

14 March 2024

Mr. Joseph T. Martella II, Senior Engineer  
Site Remediation Program  
Office of Waste Management  
RI Department of Environmental Management  
235 Promenade Street  
Providence, RI 02908

*RE: Quarterly O&M Status Report No. 66  
Alvarez High School, 333 Adelaide Avenue, Providence, Rhode Island  
Case No. 2005-029  
EA Project No. 15066.11*

Dear Mr. Martella:

On behalf of the Providence Public School Department (PPSD), EA Engineering, Science, and Technology, Inc., PBC (EA) is providing this Quarterly Operations and Maintenance (O&M) Status Report in accordance with Provision 6(f) of the Order of Approval and amendments (Amended OA) for the referenced Alvarez High School site (the Site, formerly Adelaide Avenue High School).

This O&M Report summarizes recently completed Site activities related to compliance sub-slab vapor and indoor air sampling for the period from December 2023 through February 2024.

If you have any questions or require additional information, please contact me at (401) 287-0364.

Sincerely,

EA ENGINEERING, SCIENCE,  
AND TECHNOLOGY, INC., PBC



Jonathan Alvarez, CPG  
Senior Project Manager

cc: Superintendent, Prov. Dept. of Public Schools      Director, Prov. Dept. of Public Property  
A. DeGrace, Prov. Redevelopment Agency      Knight Memorial Library Repository  
R. Dorr, Neighborhood Resident      Principal Biah, Alvarez High School  
Rep. Scott Slater

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# **Quarterly O&M Status Report No. 66**

## **Summarizing Sub-slab Depressurization and Indoor Air Monitoring and Sampling Activities**

### **Alvarez High School Site (Formerly Adelaide Avenue High School) Providence, Rhode Island**

*Prepared for*

Providence Public School Department  
797 Westminister Street  
Providence, Rhode Island 02903

*Prepared by:*

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EA Project No. 15066.11  
March 2024

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## 1. INTRODUCTION AND BACKGROUND

On behalf of the Providence Public School Department (PPSD), EA Engineering, Science, and Technology, Inc., PBC (EA) has prepared this Quarterly Operations and Maintenance (O&M) Status Report No. 66 for the Parcel B area of the former Gorham Manufacturing site in Providence, Rhode Island, formerly referred to as Adelaide Avenue High School and now referred to as Dr. Jorge Alvarez High School (the Site). A Site Location Map is provided as Figure 1. This report has been prepared to satisfy provision 6(f) of the Rhode Island Department of Environmental Management (RIDEM) Order of Approval (OA) issued in June 2006, as amended in February 2007, July 2007, and July 2009. For the purposes of this report, the original and the amended OA will collectively be referred to as the Amended OA.

The Amended OA specifies the details of the approved remedy for the Site including, but not limited to, the installation of a sub-slab depressurization (SSD) system, installation of a continuous indoor air methane monitoring system, and implementation of an associated periodic monitoring and sampling program. In August 2007, the RIDEM-approved remedy for the Site was completed and a Remedial Action Closure Report (RACR) was submitted to RIDEM. In July 2009, the periodic indoor air and sub-slab vapor sampling schedule was reduced to quarterly sampling from previously required monthly sampling.

This report summarizes the O&M, monitoring, and sampling activities completed at the Site for the three-month period from December 2023 through February 2024 (Quarterly Reporting Period No. 66). Please refer to Quarterly O&M Status Reports No. 1 through No. 65 for information regarding monitoring and sampling at the Site during the previous quarters. The RACR and previously submitted monthly correspondence contain details regarding the results of the monitoring and sampling program for the period prior to Reporting Period No. 1.

## 2. SUMMARY OF SSD SYSTEM AND INDOOR METHANE MONITORING SYSTEM PERFORMANCE

### 2.1 SSD SYSTEM AND RELATED MONITORING

The following SSD system performance parameters were inspected and/or monitored at the frequencies indicated below in accordance with the Amended OA and through discussions with RIDEM to evaluate system performance:

- Monthly indoor air monitoring of vapor-phase constituents and methane (14 December 2023, 9 January 2024, and 9 February 2024) at 12 monitoring locations, as illustrated on the Indoor Air Sampling and Methane Monitoring System Diagram provided as Figure 2.
- Monthly sub-slab monitoring of vacuum pressure, vapor-phase constituents, and methane (14 December 2023, 9 January 2024, and 9 February 2024) at 11 monitoring locations, as illustrated on the As-Built Sub-slab Monitoring and Sampling Locations provided as Figure 3.
- Monthly inspections and monitoring (air velocity and vacuum) of the three rooftop fans to verify proper operation and effluent concentrations.
- Monthly inspections of the electronic monitoring system associated with each of three SSD system extraction fans and the methane sensor system (automatic alarm notification via audible signal and phone notification).
- Monthly inspections of the RIDEM approved engineered cap.
- Quarterly sampling (9 January 2024) of eight indoor air locations, one ambient outdoor air location and six sub-slab points.
- Contingency sampling (14 December 2023, 26 January 2024, 8 February 2024, and 26 February 2024) of four indoor air locations

Copies of O&M field forms summarizing SSD System monitoring data collected during this reporting period are provided in Appendix A.

#### 2.1.1 Sub-Slab Monitoring

Vacuum measurements taken at each interior and perimeter sub-slab monitoring/sampling locations ranged from 0.247 to -0.118 in. of water column. Positive pressure points were observed at MP-3 in January and at MP-1 and MP-3 in February. A zero-pressure reading was observed at MP-6 in February. All rooftop fans were observed to be operating correctly during this reporting period; pressure and air velocity recorded at all rooftop fans were within normal ranges. During the December 2023 to February 2024 quarter, indoor sub-slab monitoring points have had higher than normal PID readings despite adequate vacuum pressures below the slab.



During the 14 December 2023, 9 January 2024 and 9 February 2024 monitoring events, IMP-3 had elevated PID readings of 15,000 parts-per-billion (ppb), 16,000 ppb and 9353 ppb, respectively. During the 14 December 2023, and 9 February 2024 monitoring events, IMP-2 had elevated readings of >2,500 ppb and 1775 ppb, respectively. IMP-3 showed elevated levels immediately prior to this reporting quarter and has continued to in this quarter, though it shows a decrease with time in this quarter. EA recognized this as a newly developed condition which may be related to increasing subslab vapors (March 2022) and the shutdown of the groundwater treatment system (March 2023) on Parcel A (Former Stop and Shop).

### **2.1.2 Rooftop Extraction Fans**

The rooftop extraction fans were replaced with upgraded models on 20 October 2023 as part of the proposed mitigation strategy to address VOCS in the sub-slab. Each fan had inspection ports installed along their position on the 1<sup>st</sup> floor to allow for measurements of pressure between the slab and the roof. Each of these three trunk lines was shown to have adequate vacuum on the 1<sup>st</sup> floor. In addition, on 7 November 2023 the SSD system was video inspected to determine if blockages existed in the PVC trunk lines below the slab. The video inspection found unobstructed trunk lines and sump pits in each line accessible by the video system, representing 50% of the installed sub-slab piping/sump pit network. These trunk lines and sump pits that were clear were SP-4, SP-5, SP-7, and SP-8.

The pressure sensors on each rooftop fan are connected to an alarm panel and autodialer system, which is triggered when a change in pressure is detected in the rooftop exhaust fans. The exhaust fan alarm system is connected to back-up battery packs in the control panel, which have sufficient capacity to operate for multiple days in the event of an electrical outage or power disruption to the system. Negative fan vacuums and fan speeds observed at the site were within normal ranges and no alarms were triggered during this reporting period. Sub-slab pressures observed at the site were mostly negative with four exceptions of zero or positive values.

### **2.1.3 Engineered Cap**

The engineered cap appeared in good condition. Previously eroded areas of the cap on Parcel B were filled with clean loam and seeded on 7 July 2022. EA will continue to monitor the cap for any future deficiencies.

EA observed the school's public garden to have been razed as PPSD indicated that they would do to preserve the integrity of the engineered cap.

In April 2020, PPSD installed two 10-foot (ft) by 20-ft by 4-in thick concrete throwing pads in the southwestern corner of Parcel C on the grassed recreation field between Dr. Jorge Alvarez High School and Mashapaug Pond. The pads were constructed in accordance with the Temporary Parcel C Cap Disturbance Notification letter submitted to RIDEM on 31 March 2020. The concrete pads remain in place as part of the engineered cap and concrete pad inspections have been incorporated into the routine monitoring events. The concrete pads appeared to be in

good condition and no cracks or chips were observed. Shotput and discus landing zones also appeared in good condition and no erosion damage to the cap were present. A site plan depicting the location of the shotput and discus throwing pads is included as Figure 4.

Any and all future landscaping work, including gardening at Alvarez High School (Parcel B), and/or the shot-put and discus throwing field (Parcel C) must adhere to the Soil Management Plan and the Amended OA to ensure the engineered cap is not damaged and the protective cover soil layer is maintained. EA will continue to inspect the pads on a monthly basis and report findings and routine maintenance in the Quarterly O&M Status Reports.

## **2.2 INDOOR METHANE MONITORING SYSTEM**

Indoor methane concentrations were monitored by an indoor methane monitoring system equipped with automatic alarm notification via audible signal and phone notification within the school at eight RIDEM-approved locations (refer to the Indoor Air Sampling and Methane Monitoring System Diagram provided as Figure 2) during this reporting period. The methane monitoring system was inspected during each monitoring event and the filters were replaced on 9 January 2024. The next filter replacement is scheduled for April 2024.

The methane monitoring units were also each calibrated on indoor ambient air in the room in which they are located. Feed tubes were blocked during this time, such that they would not interfere with calibration. The methane alarms were temporarily disabled for this process and brought back online upon calibration completion.

## **2.3 AMBIENT OUTDOOR AND INDOOR AIR SAMPLING**

Eight indoor air samples and one ambient outdoor air sample were collected at the site at RIDEM-approved sampling locations during the quarterly sampling event on 9 January 2024. The samples collected on 9 January 2024 were submitted to Pace Analytical Laboratory (Pace) for analysis of VOCs via Method TO-15 Selective Ion Monitoring (SIM). Each summa canister used during this monitoring period was individually certified to ensure that all containers were devoid of residual contamination. The typical summa canister certification process occurs in batches. However, individual certification was requested by RIDEM for this and future sampling events after residual contamination affected the 1 August 2014 sampling results.

Sample results were compared to the State of Connecticut's Draft Proposed Indoor Residential Targeted Air Concentrations (CT RTACs) and the RIDEM approved threshold level in accordance with the Amended OA. Sampling locations for the indoor air samples are illustrated on Figure 3. The 9 January 2024 ambient outdoor air sample was collected upwind (east-southeast) of the school. A data summary table is provided as Appendices B and D and a copy of the laboratory data reports associated with the sampling events are provided in Appendix F.

Three analytes were identified in indoor air above the CT RTACs and RIDEM threshold levels during the 9 January 2024 quarterly sampling event: Carbon Tetrachloride, Chloroform and 1,2-Dichloroethane.

Exceedances of carbon tetrachloride were identified in the gymnasium, Room 145, and the outdoor ambient air sample at levels between 0.5 and 0.54 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ), above the indoor limit of  $0.5 \mu\text{g}/\text{m}^3$ . Carbon tetrachloride is a documented background ambient compound in the area and can otherwise be sourced indoors from aerosol cans, lacquers, and varnishes that pertain to cleaning and upkeep of floors and furniture. The outdoor ambient presence of carbon tetrachloride is historic at this site and is not cause for concern.

An exceedance of chloroform was identified in the kitchen storage room at a level of  $0.64 \mu\text{g}/\text{m}^3$ , above the indoor limit of  $0.5 \mu\text{g}/\text{m}^3$ . Insecticides and cleaning chemicals associated with chloroform have historically been used at the school, specifically in the kitchen. The detections during the 9 January 2024 sampling event are generally consistent with historical chloroform detections in the cafeteria, though recent increases in other VOCs may be connected to the increase in chloroform.

Exceedances of 1,2-Dichloroethane (1,2-DCA) were identified in every sampling location at levels between 0.086 and  $0.11 \mu\text{g}/\text{m}^3$ , above the indoor limit of  $0.08 \mu\text{g}/\text{m}^3$ . 1,2-DCA is a clear manufactured liquid that is not found naturally in the environment. 1,2-DCA is used to make vinyl chloride, which is used to make a variety of plastic and vinyl products including polyvinyl chloride (PVC) pipes and other important construction materials, packaging materials, furniture and automobile upholstery, wall coverings, housewares, and automobile parts. The detection of 1,2-DCA in the outdoor ambient air sample is considered an ambient outdoor air contaminant. When detected historically indoors, 1,2-DCA has exceeded in the winter and spring months since 2011. This coincides with colder temperatures, and hence closed windows, and manufactured plastic items possibly contributing to this condition. We believe these exceedances to be a result of these sources.

During the last sampling event on 25 October 2023, exceedances of 1,2-Dichloropropane were detected in the Kitchen Storage Room and Room 145 at levels of 2.3 and  $0.51 \mu\text{g}/\text{m}^3$ , respectively, above the indoor limit of  $0.13 \mu\text{g}/\text{m}^3$ . 1,2-Dichloropropane is colorless flammable solvent that evaporates very quickly at room temperature and is used as a degreaser and dry-cleaning fluid. Since 2019, the EPA has tracked its continued nationwide use in commercial waxes (paste and liquid), and stone sealants. The detections during 25 October 2023, the first detections since 2019, may be associated with a fugitive source linked to a dry-cleaning use or floor wax. No exceedances of 1,2-Dichloropropane were detected during the 9 January 2024 sampling event. However, it's prudent to track this compound considering the recent increases in other VOCs in the Kitchen Storage Room and 145.

The MDLs for several VOCs reported via TO-15 analysis were greater than the respective CT RTACs/RIDEM threshold levels even though analysis was performed using the method with the lowest available detection levels (SIM procedure). The elevated MDLs occurred primarily with analytes that are not the constituents of concern (COCs) for the project. Additionally, many of these analytes have never been detected in indoor air at concentrations greater than the applicable standards. Therefore, the slightly elevated MDLs for some analytes were not considered significant and do not disqualify the dataset. Refer to Appendix F for an MDL verification letter

from Con-Test verifying that where MDLs are not able to be met, the detection limit was the lowest currently achievable.

### **2.3.1 Contingency Plan and Sampling**

Contingency sampling occurred this quarter in response to the new exceedances found in the Kitchen Storage Room, Room 145, and Room 152 during the 25 October 2023 sampling event. Sampling in these three rooms and Room 116 occurred on 14 December 2023, 9 January 2024, 26 January 2024, 9 February 2024, and 26 February 2024.

Room 116 was sampled first in June of 2023 in response to abnormally high PID readings in MP-4 and was found to be exceeding in select analytes. In accordance with the mitigation plan, Room 116 has been sampled consecutively for 6 months, from September to February in addition to being part of the bi-weekly sampling plan of Rooms 145, 152, and kitchen storage. These three rooms are being sampled in response to exceedances of select VOCs during the 25 October 2023 sampling event. Results of the contingency samplings are shown in Appendix D.

## **2.4 SUB-SLAB VAPOR SAMPLING AND EVALUATION OF POTENTIAL VOC REBOUND EFFECT**

A total of 11 RIDEM-approved sub-slab sampling locations are installed at the Site. Six sub-slab samples were collected on the rotating schedule in accordance with the Amended OA and analyzed for VOCs via US EPA Method TO-15 SIM. Two interior sub-slab vapor samples and four exterior sub-slab vapor samples were collected on 9 January 2024. The sub-slab analytical results are presented in Appendix C and a copy of the laboratory data reports associated with the sampling events are included in Appendix E. The locations for sub-slab sampling are illustrated on Figure 3.

## **2.5 SUMMARY OF ROOFTOP VOC EMISSIONS**

Previous rooftop effluent sampling rounds conducted in March 2007 (immediately after SSD system startup), June 2007, June 2008, September 2009, and annually in July thereafter (2010 – 2022) indicated compliance with all Air Pollution Control Permit Applicability Thresholds. Additionally, in October 2014 RIDEM conducted roofline and downwind outdoor air sampling to determine if rooftop fan exhaust was possibly infiltrating the building or impacting downwind air. The roofline and downwind sample concentrations were approximately the same as the upwind sample concentration and significantly lower than those concentrations observed in the rooftop fan exhaust, indicating that exhausted vapors from the rooftop fans were well dispersed and are not causing significant impacts downwind or inside the building.

The Amended OA requires that rooftop VOC sampling be completed on an annual basis. Concentrations of VOCs in rooftop fan vents continue to be evaluated based on the regulatory thresholds and their effect to background air at the school and the nearby residential neighborhood. Rooftop fan sampling was last conducted on 18 July 2023. No exceedances of the RIDEM Air Pollution Control Permit Applicability Thresholds for hourly, daily, or annual

emissions were observed. A summary of historical rooftop fan emission data is summarized in Table 1 below.

**Table 1 Annual Rooftop Fan Emissions**

<b>Annual Monitoring Date</b>	<b>Total Emissions<sup>a</sup> (lbs/year)</b>
-	RIDEM Threshold: 50,000 <sup>b</sup>
20 July 2012	4.08
9 July 2013	3.47
1 August 2014	2.45
22 October 2014	2.83
21 July 2015	2.93
20 July 2016	2.86
26 July 2017	2.07
27 July 2018	0.412
29 July 2019	3.82
23 July 2020	1.47
21 July 2021	0.690
28 July 2022	2.21
18 July 2023	2.41
<sup>a</sup> Sum of all three rooftop fan emissions; emissions based on measured flow speed and EPA Method TO15-SIM air sample analysis. <sup>b</sup> RIDEM Air Pollution Control Regulation No. 9 [Amended April 2004] RIDEM = Rhode Island Department of Environmental Management lbs/year = pounds of gas per year	

All emissions are below the RIDEM Air Pollution Control Regulations. Fluctuations in emissions since July 2021 may be indicative of abnormally high subslab concentrations of VOCs along the eastern portion of the school. One possible explanation for this variability may be fluctuating depths to the groundwater table in the vicinity of the school. As the depth to groundwater decreases, soil gas emissions to the extraction system are anticipated to increase due to increase pressure from the capillary fringe of the site and adjoining area that is largely capped with asphalt. Full analytical results of rooftop fan sampling are summarized in Appendix D and Quarterly Monitoring Reports No. 1 – No. 65. The next annual rooftop effluent VOC sampling event is scheduled for July 2024.

### 3. CONCLUSIONS

The following conclusions are made based upon the completed inspections, monitoring, and sampling performed during this reporting period:

- Measured sub-slab pressures were inconsistently negative, which would suggest the potential for soil vapor intrusion into Alvarez High School. The results of contingency indoor air testing have prompted further investigation of indoor sub-slab points.
- The 20 November 2023 replacement fans resulted in a measurable increase of flow at the roof with the goal of increasing the vacuum in the sub-slab.
- The 6 November 2023 installation of cleanout ports and subsequent inspection indicated that the SSD system is unobstructed between the rooftop fans and the sub-slab interface.
- The 7 November 2023 video inspection of the SSD system trunk lines below the slab showed clear and open piping serving five of the eight sump pits and open sump pits at 4 locations. The video inspection was limited by tight turns and could not reach the entire SSD system.
- The continuous operation of the SSD System and non-continuous sub-slab vacuum beneath the school illustrates ongoing, effective operation of the SSD System. However, continuous process improvements will continue to eliminate indoor air exposures.
- The sub-slab data was evaluated for potential rebound in accordance with the Amended OA. Evidence of increasing VOCs beneath the school has been observed since October 2023, however this recent spike has abated. Significant fluctuations in concentrations were noted during this reporting period; these variations may constitute an increasing trend. EA and the PPSD have been in close communications with RIDEM and the ownership team associated with Parcel A upon notification of increasing sub-slab vapors since March 2022 and vinyl chloride detections on the perimeter of the school in groundwater. In addition, the groundwater treatment system on Parcel A was shut down between March and December 2023 without notifications to RIDEM/PPSD. This system has since been restarted and the results of this activity on the indoor air at the school will continue to be evaluated.
- The use of certified clean summa canisters, as requested by RIDEM, yielded confidence in the samples collected throughout the December 2023 to February 2024 quarter. EA will continue to use certified clean canisters in the upcoming sampling events.
- The contingency sampling conducted in Room 116, Room 145, Room 152 and the Kitchen Storage Room showed exceedances of the indoor air standards. Follow-up began in November and continued through December, January, and February. Results are reported in Appendix D.

#### **4. FUTURE ACTIVITIES AND NEXT QUARTERLY SUMMARY REPORT**

The following activities will be completed in accordance with the Amended OA during the next quarterly status reporting period from March 2024 to May 2024:

- Continuous monitoring of the operational status of the three rooftop extraction fans;
- Monthly site inspections and monitoring using a calibrated photoionization detector with part-per-billion sensitivity and a Landtec multi-gas meter;
- Collection of air samples from nine indoor locations, one ambient outdoor location, and six sub-slab monitoring points in April 2024;
- Collection of air samples from four indoor locations as part of additional bi-weekly sampling on an as-needed basis in March 2024;
- The engineered cap on Parcel B as well as the concrete throwing pads on Parcel C will be inspected during the routine monthly sub-slab inspections and reported in future Quarterly O&M reports;
- EA will continue to work with PPSD and RIDEM to ensure that the Parcel A remedial systems are maintained and data reported in accordance with regulations.
- Any future landscaping projects and erosion repairs by PPSD must be conducted in accordance with the site-specific Soil Management Plan and the Amended OA to prevent damage to the engineered cap.
- Following receipt of 3 or more rounds of biweekly sampling with acceptable concentrations, the performance of contingency sampling is considered complete.

These activities will be summarized in the next status report (Quarterly Status Report No. 66), expected to be submitted by the end of March 2024.

##### **4.1 FUTURE CORRECTIVE ACTION AND INVESTIGATION**

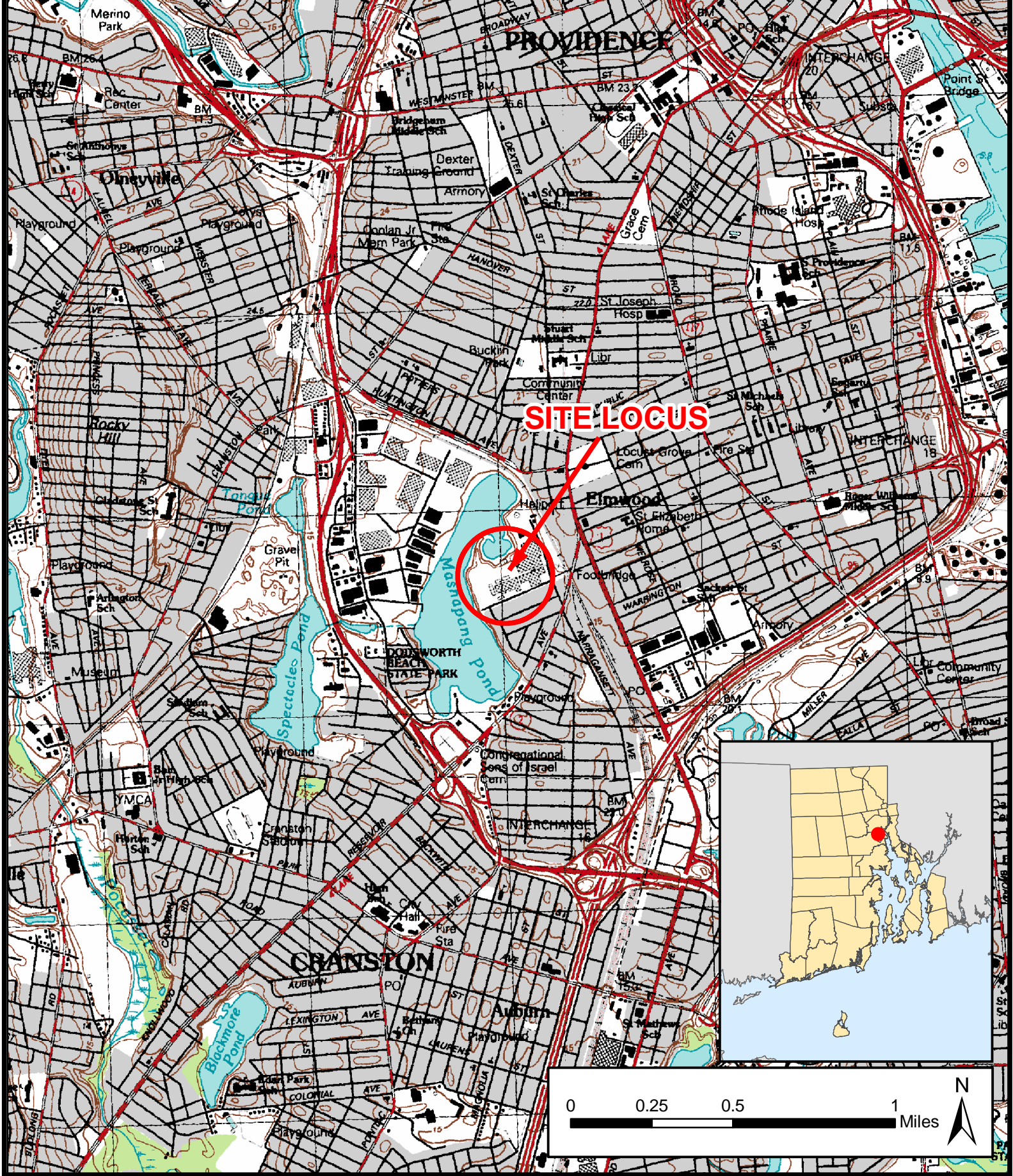
EA is developing a scope for additional perimeter exterior-mounted radon fans to further depressurize the sub-slab along the boundary with Parcel A. EA and PPSD will consult with RIDEM upon selection of this supplemental remedy.

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# **FIGURES**

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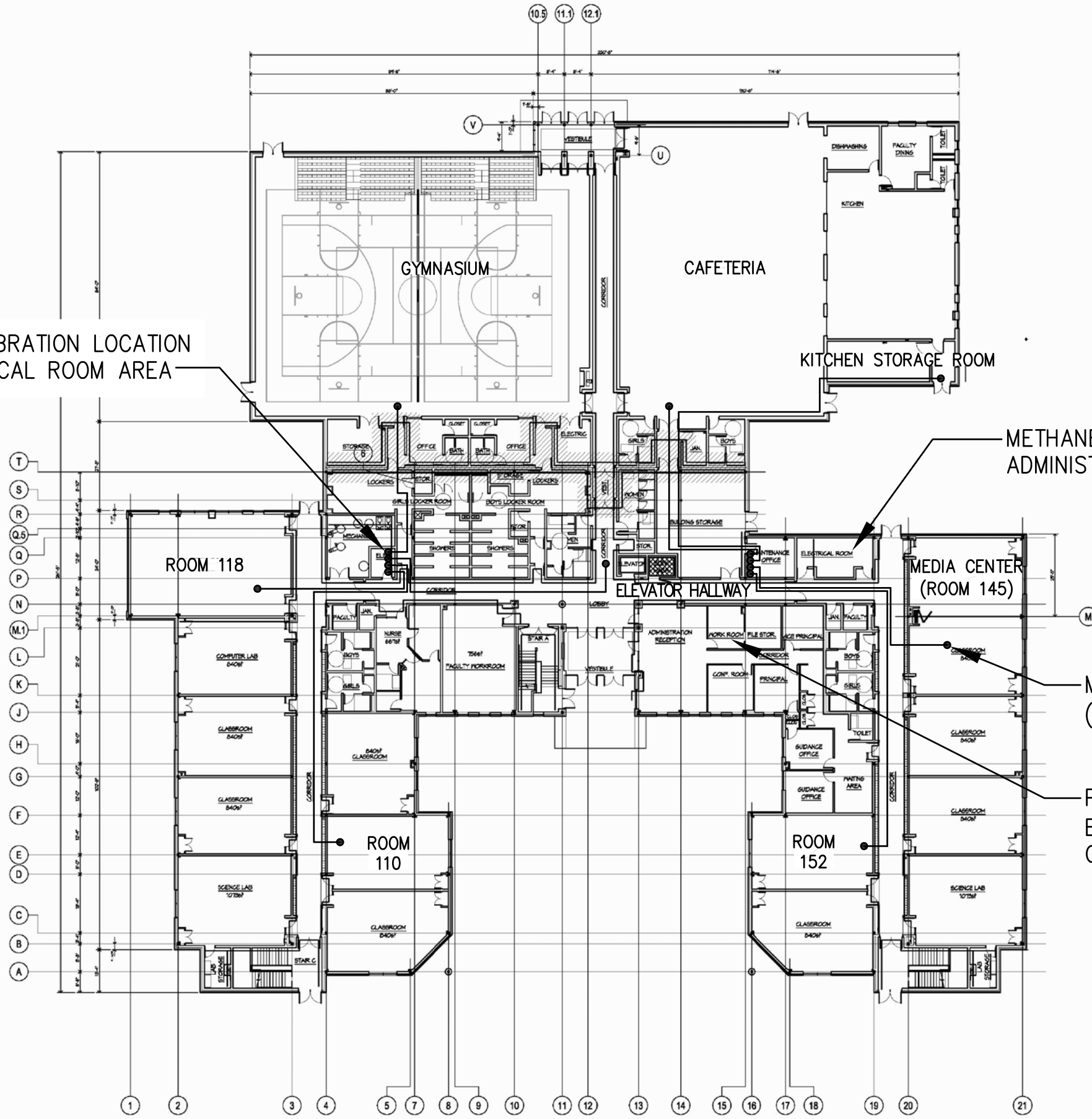
ALVAREZ HIGH SCHOOL  
 333 ADELAIDE AVENUE  
 PROVIDENCE, RHODE ISLAND

FIGURE 1  
 SITE LOCUS

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	FILE NO:
FP	PT	PT	FP	1:24,000	FEBRUARY 2010	14687.01	SITE_LOCUS.MXD

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METHANE SENSOR CALIBRATION LOCATION  
IN WEST WING; ELECTRICAL ROOM AREA

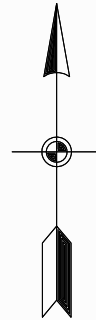


METHANE SYSTEM CONTROLLER LOCATION;  
ADMINISTRATION WORK ROOM

METHANE SENSOR LOCATION  
(TYP.)

PLC LOCATION IN EAST WING;  
ELECTRICAL ROOM/MAINTENANCE  
OFFICE AREA

PROJECT NORTH



NOTE: NOT TO SCALE



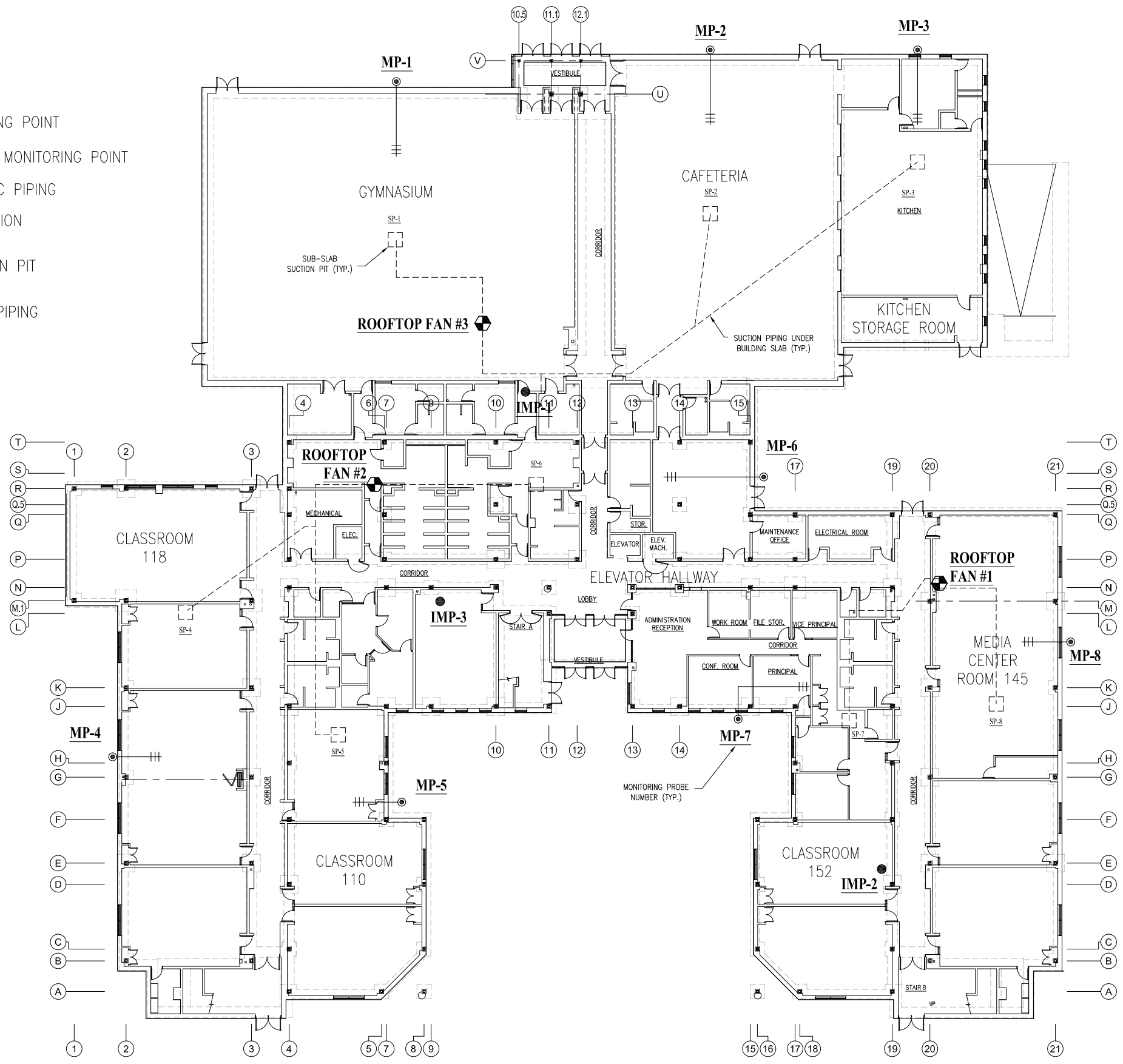
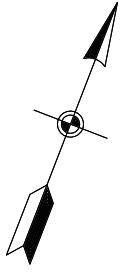
DESIGNED BY RGM	DRAWN BY DPA	DATE OCT. 16, 2013	PROJECT NO. 15066.01	FILE NAME ALVAREZ LAYOUT
CHECKED BY FBP	PROJECT MGR. FBP	SCALE NTS	DRAWING NO. -	FIGURE 2

INDOOR AIR SAMPLING AND METHANE MONITORING  
SYSTEM DIAGRAM - ALVAREZ HIGH SCHOOL  
PROVIDENCE, RHODE ISLAND

QUARTERLY STATUS REPORT  
FIGURE 2

**LEGEND :**

- SUB-SLAB MONITORING POINT
- INTERIOR SUB-SLAB MONITORING POINT
- #— SLOTTED 1 INCH PVC PIPING
- ⊕ ROOFTOP FAN LOCATION
- SP-1  
□ SUB-SLAB SUCTION PIT (TYP.)
- SOLID 4 INCH PVC PIPING

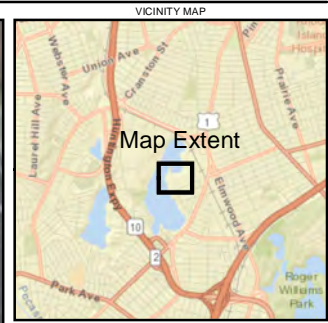
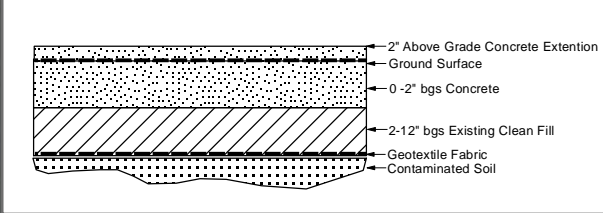


DESIGNED BY RGM	DRAWN BY DPA	DATE OCT. 16, 2013	PROJECT NO. 15066.01	FILE NAME FIG 3
CHECKED BY FBP	PROJECT MGR. FBP	SCALE NTS	DRAWING NO. N/A	FIGURE 3

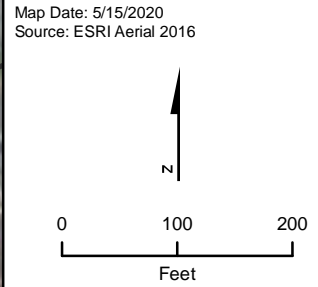
AS-BUILT  
SUB SLAB MONITORING AND SAMPLING LOCATIONS  
ALVAREZ HIGH SCHOOL  
PROVIDENCE, RHODE ISLAND

QUARTERLY STATUS REPORT  
FIGURE 3





- Legend**
- Area of 12" Soil Cap with Geofabric
  - Supplemental Loam Padding
  - 4" Thick Concrete Pad
  - Temporary Fence



**Figure 4**  
**Gorham Parcel C**  
**Temporary Cap Disturbance**  
 Alvarez High School  
 Providence, Rhode Island

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# **APPENDIX A**

## **O&M Field Forms**

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EA Engineering, Science, and Technology, Inc.,  
PBC

**Alvarez High School - SSD & Interior Methane Monitoring System O&M**

Date of O&M: 12/14/2023 Performed by: GJ  
 PID/Methane Calibration? yes (yes/no) PID Calibration Result: 0:00  
 Date of last Methane Sensor Filter Replacement: 10/25/2023 Replaced this O&M Visit? no (yes/no)  
 Auto Dialer Functioning (yes/no): did not test  
 General Status of SSD System: good  
 General Status of Methane Monitoring System: good  
 Eng. Cap/Fence Inspection Performed/Notes: \_\_\_\_\_ (take photographs of any deficiencies noted)

Monitoring/ Sampling Location	Sub-slab or gauge vacuum	Air Velocity (fpm)	VOC Monitoring	Methane Monitoring			Air/Vapor Sample Collection						Comments/Notes (Ambient weather conditions, status of HVAC, possible monitoring/sampling interferences, etc ....)	
			PID (ppb)	Indoor Sensor (ppm)	(% Gas)	(% LEL)*	Summa Can ID	Controller ID	Start Time	Start Vac (inches Hg)	End Time	End Vac (inches Hg)		
Gymnasium	NA	NA	0	0	0	0								
Cafeteria	NA	NA	0	0	0.1	2								
Kitchen Storage Room	NA	NA	260	0	0.1	2	1824	4614	1218	-30	1253	-5		
Elevator Hallway	NA	NA	0	0	0	0								
Room 145	NA	NA	0	0	0.1	2	1114	4592	1231	-30	1306	-4		
Room 152	NA	NA	12	0	0.1	2	1944	4613	1234	-29	1309	-2		
Room 118	NA	NA	192	0	0	0								
Room 110	NA	NA	150	0	0	0								
Room 116	NA	NA	0	NA	0.1	2	1057	4591	1240	-29.5	1319	0	heat on very high	
MP-1	-0.247	NA	330	NA	0	0								
MP-2	-0.225	NA	360	NA	0	0								
MP-3	-0.008	NA	0	NA	0	0								
MP-4	-0.071	NA	114	NA	0	0								
MP-5	-0.107	NA	302	NA	0	0								
MP-6	-0.02	NA	450	NA	0	0								
MP-7	-0.02	NA	18	NA	0	0								
MP-8	-0.215	NA	742	NA	0	0								
IMP-1	-0.063	NA	94	NA	0	0								
IMP-2	-0.026	NA	>2500	NA	0	0								
IMP-3	-0.014	NA	15 ppm	NA	0	0								
Roof-Top Fan 1	-3	2333	100	NA	0	0								
Roof-Top Fan 2	-2.8	2177	0	NA	0	0								
Roof-Top Fan 3	NM	NM	NM	NA	0	0								could not access
Ambient Outdoor Air	NA	NA	0	NA	0	0								

NA: not applicable.  
 NM: not monitored on this date.  
 NS : not sampled on this date.  
 \* RIDEM Action Level for methane %LEL beneath the building is 10% and within the building is 1%.  
 If these methane levels are exceeded, immediately notify EA Project Manager to initiate response protocol.



**Alvarez High School - SSD & Interior Methane Monitoring System O&M**

Date of O&M: 1-9-24 / 1-10-24 Performed by: TC/SP  
 PID/Methane Calibration? yes (yes/no) PID Calibration Result: 0:00  
 Date of last Methane Sensor Filter Replacement: 1/9/2024 Replaced this O&M Visit? Yes (yes/no)  
 Auto Dialer Functioning (yes/no): Yes  
 General Status of SSD System: good  
 General Status of Methane Monitoring System: good  
 Eng. Cap/Fence Inspection Performed/Notes: \_\_\_\_\_ (take photographs of any deficiencies noted)

Monitoring/ Sampling Location	Sub-slab or gauge vacuum	Air Velocity (fpm)	VOC Monitoring	Methane Monitoring			Air/Vapor Sample Collection						Comments/Notes (Ambient weather conditions, status of HVAC, possible monitoring/sampling interferences, etc ....)
			PID (ppb)	Indoor Sensor (ppm)	(% Gas)	(% LEL)*	Summa Can ID	Controller ID	Start Time	Start Vac (inches Hg)	End Time	End Vac (inches Hg)	
Gymnasium	NA	NA	102	0	0	0	1493	4294	1055	-30	1126	-5	
Cafeteria	NA	NA	344	0	0	0	1644	4212	1103	-28.5	1133	-5	
Kitchen Storage Room	NA	NA	187	0	0	0	2009	4075	1101	-29	1131	-5	
Elevator Hallway	NA	NA	162	0	0	0	2224	4365	1042	-30	1113	-2	
Room 145	NA	NA	71	0	0	0	4170	4304	1044	-30	1115	-4	
Room 152	NA	NA	135	0	0	0	4196	1504	1049	-30	1116	0	
Room 118	NA	NA	74	0	0.1	2	1931	4100	1037	-30	1118	-5	
Room 110	NA	NA	345	0	0.1	2	2213	4311	1035	-29	1111	-4	
Room 116	NA	NA	-	NA	-	-							
MP-1	-0.084	NA	33	NA	0	0	1886	4104	1221	0.3	1301	0	
MP-2	-0.052	NA	55	NA	0	0							
MP-3	0.011	NA	75	NA	0	0	1459	4215	1213	-30	1253	0	
MP-4	-0.023	NA	24	NA	0	0	2016	4191	915	-28	937	-5	
MP-5	-0.053	NA	15	NA	0	0							
MP-6	-0.027	NA	127	NA	0	0	1954	4076	910	-22	933	-4	
MP-7	-0.016	NA	0	NA	0	0							
MP-8	-0.079	NA	237	NA	0	0							
IMP-1	-0.065	NA	159	NA	0	0	2229	4090	1058	-30	1123	0	
IMP-2	-0.025	NA	268	NA	0	0	1853	4213	1051	-28.5	1121	-2	
IMP-3	-0.008	NA	16 ppm	NA	0	0							
Roof-Top Fan 1	-3	2121	10	NA	0.1	2							
Roof-Top Fan 2	-2.6	2117	13	NA	0.1	2							
Roof-Top Fan 3	-3.4	2028	100	NA	0	0							could not access
Ambient Outdoor Air	NA	NA	0	NA	0.1	2	2467	4366	919	-28	946	-5	

NA: not applicable.  
 NM: not monitored on this date.  
 NS : not sampled on this date.  
 \* RIDEM Action Level for methane %LEL beneath the building is 10% and within the building is 1%.  
 If these methane levels are exceeded, immediately notify EA Project Manager to initiate response protocol.



**Alvarez High School - SSD & Interior Methane Monitoring System O&M**

Date of O&M: 1/26/2024 Performed by: TC  
 PID/Methane Calibration? yes (yes/no) PID Calibration Result: 0:00  
 Date of last Methane Sensor Filter Replacement: 1/9/2024 Replaced this O&M Visit? no (yes/no)  
 Auto Dialer Functioning (yes/no): Yes  
 General Status of SSD System: good  
 General Status of Methane Monitoring System: good  
 Eng. Cap/Fence Inspection Performed/Notes: \_\_\_\_\_ (take photographs of any deficiencies noted)

Monitoring/ Sampling Location	Sub-slab or gauge vacuum	Air Velocity (fpm)	VOC Monitoring	Methane Monitoring			Air/Vapor Sample Collection						Comments/Notes (Ambient weather conditions, status of HVAC, possible monitoring/sampling interferences, etc ....)	
			PID (ppb)	Indoor Sensor (ppm)	(% Gas)	(% LEL)*	Summa Can ID	Controller ID	Start Time	Start Vac (inches Hg)	End Time	End Vac (inches Hg)		
Gymnasium	NA	NA												
Cafeteria	NA	NA												
Kitchen Storage Room	NA	NA					1130	4212	1119	-28.5	1149	0		
Elevator Hallway	NA	NA												
Room 145	NA	NA					1816	4075	1109	-29	1139	-3		
Room 152	NA	NA					1970	4315	1115	-27.5	1146	-4		
Room 118	NA	NA												
Room 110	NA	NA												
Room 116	NA	NA		NA			2130	4206	1124	-28.5	1154	0		
MP-1		NA		NA										
MP-2		NA		NA										
MP-3		NA		NA										
MP-4		NA		NA										
MP-5		NA		NA										
MP-6		NA		NA										
MP-7		NA		NA										
MP-8		NA		NA										
IMP-1		NA		NA										
IMP-2		NA		NA										
IMP-3		NA		NA										
Roof-Top Fan 1				NA										
Roof-Top Fan 2				NA										
Roof-Top Fan 3				NA										
Ambient Outdoor Air	NA	NA		NA										

NA: not applicable.  
 NM: not monitored on this date.  
 NS : not sampled on this date.  
 \* RIDEM Action Level for methane %LEL beneath the building is 10% and within the building is 1%.  
 If these methane levels are exceeded, immediately notify EA Project Manager to initiate response protocol.



EA Engineering, Science, and Technology, Inc.,  
PBC

**Alvarez High School - SSD & Interior Methane Monitoring System O&M**

Date of O&M: 2/8/24 and 2/9/24 Performed by: TC  
 PID/Methane Calibration? yes (yes/no) PID Calibration Result: 0:00  
 Date of last Methane Sensor Filter Replacement: 1/9/2024 Replaced this O&M Visit? no (yes/no)  
 Auto Dialer Functioning (yes/no): Yes  
 General Status of SSD System: good  
 General Status of Methane Monitoring System: good  
 Eng. Cap/Fence Inspection Performed/Notes: \_\_\_\_\_ (take photographs of any deficiencies noted)

Monitoring/ Sampling Location	Sub-slab or gauge vacuum	Air Velocity (fpm)	VOC Monitoring	Methane Monitoring			Air/Vapor Sample Collection						Comments/Notes (Ambient weather conditions, status of HVAC, possible monitoring/sampling interferences, etc ....)	
			PID (ppb)	Indoor Sensor (ppm)	(% Gas)	(% LEL)*	Summa Can ID	Controller ID	Start Time	Start Vac (inches Hg)	End Time	End Vac (inches Hg)		
Gymnasium	NA	NA	142	0	0.1	2								
Cafeteria	NA	NA	309	0	0.1	2								
Kitchen Storage Room	NA	NA	370	0	0.1	2	2917	4380	1230	-30	1308	-5		
Elevator Hallway	NA	NA	200	0	0.1	2								
Room 145	NA	NA	125	0	0.1	2	2470	4378	1227	-29.5	1257	-4		
Room 152	NA	NA	150	0	0.1	2	1346	4727	1237	-29	1312	-2		
Room 118	NA	NA	639	0	0.1	2								
Room 110	NA	NA	408	0	0.1	2								
Room 116	NA	NA	310	NA	0.1	2	2216	4690	1235	-30	1314	-2		
MP-1	0.018	NA	27	NA	0.1	2								
MP-2	-0.046	NA	45	NA	0.1	2								
MP-3	0.018	NA	85	NA	0.1	2								
MP-4	-0.018	NA	10	NA	0.1	2								
MP-5	-0.05	NA	75	NA	0.1	2								
MP-6	0	NA	185	NA	0.1	2								
MP-7	-0.018	NA	0	NA	0.1	2								
MP-8	-0.076	NA	57	NA	0.1	2								
IMP-1	-0.013	NA	182	NA	0.1	2								
IMP-2	-0.023	NA	1775	NA	0.1	2								
IMP-3	-0.004	NA	9353	NA	0.1	2								
Roof-Top Fan 1	-3	2452	140	NA	0.1	2								
Roof-Top Fan 2	-2.8	2211	247	NA	0.1	2								
Roof-Top Fan 3	-3.5	2050	113	NA	0.1	2								
Ambient Outdoor Air	NA	NA	68	NA	0.1	2								

NA: not applicable.  
 NM: not monitored on this date.  
 NS : not sampled on this date.  
 \* RIDEM Action Level for methane %LEL beneath the building is 10% and within the building is 1%.  
 If these methane levels are exceeded, immediately notify EA Project Manager to initiate response protocol.



**Alvarez High School - SSD & Interior Methane Monitoring System O&M**

Date of O&M: 2/23/24 and 2/26/24 Performed by: TC  
 PID/Methane Calibration? yes (yes/no) PID Calibration Result: 0:00  
 Date of last Methane Sensor Filter Replacement: 1/9/2024 Replaced this O&M Visit? no (yes/no)  
 Auto Dialer Functioning (yes/no): Yes  
 General Status of SSD System: good  
 General Status of Methane Monitoring System: good  
 Eng. Cap/Fence Inspection Performed/Notes: \_\_\_\_\_ (take photographs of any deficiencies noted)

Monitoring/ Sampling Location	Sub-slab or gauge vacuum	Air Velocity (fpm)	VOC Monitoring	Methane Monitoring			Air/Vapor Sample Collection						Comments/Notes (Ambient weather conditions, status of HVAC, possible monitoring/sampling interferences, etc .... continue on separate sheet)	
			PID (ppb)	Indoor Sensor (ppm)	(% Gas)	(% LEL)*	Summa Can ID	Controller ID	Start Time	Start Vac (inches Hg)	End Time	End Vac (inches Hg)		
Gymnasium	NA	NA												
Cafeteria	NA	NA												
Kitchen Storage Room	NA	NA					1104	4201	1102	-24	1132	0		
Elevator Hallway	NA	NA												
Room 145	NA	NA					2073	4367	937	-29.5	1007	0		
Room 152	NA	NA					1722	4210	938	-29	1008	0		
Room 118	NA	NA												
Room 110	NA	NA												
Room 116	NA	NA		NA			2202	4091	1106	-29	1133	0		
MP-1		NA		NA										
MP-2		NA		NA										
MP-3		NA		NA										
MP-4		NA		NA										
MP-5		NA		NA										
MP-6		NA		NA										
MP-7		NA		NA										
MP-8		NA		NA										
IMP-1		NA		NA										
IMP-2		NA		NA										
IMP-3		NA		NA										
Roof-Top Fan 1				NA										
Roof-Top Fan 2				NA										
Roof-Top Fan 3				NA										
Ambient Outdoor Air	NA	NA		NA										

NA: not applicable.  
 NM: not monitored on this date.  
 NS : not sampled on this date.  
 \* RIDEM Action Level for methane %LEL beneath the building is 10% and within the building is 1%.  
 If these methane levels are exceeded, immediately notify EA Project Manager to initiate response protocol.

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## **APPENDIX B**

### **Indoor and Ambient Outdoor Air Analytical Summary**

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**Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School - Volatile Organic Compounds  
February 2008 - January 2024**

Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)			
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	
Acetone	180.0	8-Feb-08		20.20		8.24		4.75		4.75	U	6.87		8.06		4.75	U	4.78						4.750	U	
		27-Mar-08		576.00		186.00		108.00		89.90		15.10		24.70		38.30		76.70		47.40					5.870	U
		25-Apr-08		61.70		12.90		19.00		15.10		14.80		18.60		12.50		18.60		12.50					17.10	U
		29-May-08		19.50		16.00		12.80		16.20		10.90		17.20		13.20		13.20		11.60					7.480	U
		27-Jun-08		87.90		20.00		20.50		27.70		28.90		29.00		26.00		29.00		29.80					19.700	U
		31-Jul-08		32.20		17.20		20.80		16.80		23.80		20.00		18.60		20.00		23.50					20.000	U
		28-Aug-08		33.10		21.10		21.50		25.80		27.00		32.40		29.10		29.10		23.80					37.000	U
		30-Sep-08		39.40		10.40		7.60		11.20		44.80		29.90		19.60		55.60		55.60					6.800	U
		27-Oct-08		56.20		23.10		14.90		24.10		15.90		26.50		34.30		25.10		10.000					109.000	U
		25-Nov-08		21.30		8.20		5.30		14.00		15.60		9.70		6.50		14.000		7.000					7.000	U
		18-Dec-08		39.30		18.50		16.90		21.50		23.10		41.90		22.00		28.80		40.000					40.000	U
		21-Jan-09		5.30		2.40		2.40		3.60		5.60		5.00		3.30		4.00		2.400					2.400	U
		25-Feb-09		2.40		2.90		2.40		NS		NS		9.60		3.80		4.10		2.400					2.400	U
		26-Mar-09		34.40	U	10.70		8.82		11.30		13.80		12.00		10.50		12.00		9.680					9.680	U
		29-Apr-09		4.75		5.70		7.23		8.24		19.20		9.42		7.57		9.61		7.700					7.700	U
		22-Jul-09		2.37	U	13.10		18.70		11.70		28.90		29.40		17.10		19.40		11.000					11.000	U
		9-Oct-09		19.50		10.10		9.22		11.00		15.50		12.00		10.60		11.60		8.570					8.570	U
		15-Jan-10		11.90		8.16		5.08		6.70		7.32		7.27		5.26		8.11		6.190					6.190	U
		21-Apr-10		26.70		22.00		23.20		23.20		19.30		19.90		21.80		20.50		4.960					4.960	U
		16-Jul-10		28.20		16.50		13.80		16.10		36.90		24.90		40.70		16.00		14.300					14.300	U
		15-Oct-10		32.70		8.18		4.75		11.50		7.36		6.01		5.53		6.69		7.630					7.630	U
		30-Nov-10		NS		13.20		13.00		NS		NS		NS		6.46		NS		NS					NS	U
		26-Jan-11		28.50		20.80		11.60		14.90		13.50		33.20		12.60		24.00		9.850		21.50		15.90	9.850	U
		26-Jan-11**		NS		17.00		15.00		NS		NS		NS		12.00		NS		NS					NS	U
		27-Apr-11		6.82		12.80		11.30		14.70		14.60		7.55		12.30		5.93		5.600					5.600	U
		26-Jul-11		51.80		48.00		22.80		82.20		28.70		7.17		25.40		39.40		8.840					8.840	U
		28-Oct-11		17.00		12.00		7.40		9.90		11.00		9.70		13.00		15.00		8.000					8.000	U
		23-Jan-12		15.00		15.00		18.00		18.00		10.00		37.00		19.00		13.000		13.000					13.000	U
		13-Apr-12		11.00		16.00		11.00		11.00		11.00		21.00		9.10		19.00		24.000					24.000	U
		2-Jul-12 resample		NS		NS		NS		NS		NS		NS		NS		9.100		9.100					9.100	U
		20-Jun-12		19.00		22.00		17.00		21.00		20.00		15.00		15.00		22.00		11.000					11.000	U
		1-Nov-12		12.00		11.00		9.50		16.00		8.30		12.00		13.00		11.00		9.000					9.000	U
		1-Feb-13		16.00		15.00		12.00		14.00		9.10		39.00		16.00		18.00		8.200					8.200	U
		29-Apr-13		26.00		23.00		22.00		21.00		28.00		32.00		27.00		35.00		18.000					18.000	U
		9-Jul-13		25.00		26.00		22.00		24.00		41.00		28.00		35.00		32.00		24.000					24.000	U
		9-Jul-13 RIDEM		NS		NS		NS		NS		18.83		NS		NS		NS		11.710					11.710	U
		18-Oct-13		34.00		32.00		30.00		42.00		29.00		29.00		46.00		34.00		20.000					20.000	U
		9-Jan-14		8.90		19.00		16.00		20.00		21.00		24.00		27.00		45.00		8.300					8.300	U
		24-Apr-14		19.00		12.00		18.00		17.00		17.000**		12.00		16.00		76.000**		6.100					6.100	U
		1-Aug-14		35.000**		12.000**		29.000**		37.000**		43.000**		38.000**		81.00062.000**		35.000**		27.000**					27.000**	U
		12-Sept-14 resample		NS		NS		NS		NS		NS		NS		NS		NS		NS					NS	U
		22-Oct-14		17.00		12.00		2.90		18.00		27.00		26.00		34.00		51.00		13.000					13.000	U
		20-Jan-15		37.00		30.00		30.00		34.00		39.00		44.00		57.00		17.00		49.000					49.000	U
		30-Mar-15 resample		NS		NS		NS		NS		NS		NS		NS		23.00		NS					NS	U
		22-Apr-15		16.00		21.00		79.000*		15.00		20.00		1.90		34.00		43.00		17.000					17.000	U
		21-Jul-15		36.00		15.000*		24.00		23.00		16.00		17.00		22.00		23.00		13.000					13.000	U
		23-Sept-15 resample		NS		NS		NS		NS		NS		NS		NS		NS		NS					NS	U
		29-Oct-15		4.80		19.00		22.00		18.00		7.70		33.00		16.00		22.00		9.200					9.200	U
		4-Dec-15 resample		NS		NS		NS		NS		NS		NS		NS		NS		NS					NS	U
		27-Jan-16		20		19		14		20		16		38		13		51		9.8					9.8	U
		20-Apr-16*		15		7.2		8.1		7.2		11		11		6.4		11		8.1					8.1	U
		20-Jul-16		19*		16*		34*		43*		18*		27*		57*		57*		12*					12*	U
		21-Oct-16		25		30		27		30		28		37		24		35		28					28	U
		31-Jan-17		10 <sup>L,V</sup>		6.1 <sup>L,V</sup>		10 <sup>L,V</sup>		17 <sup>L,V</sup>		9.1 <sup>L,V</sup>		19 <sup>L,V</sup>		17 <sup>L,V</sup>		19 <sup>L,V</sup>		5.3 <sup>L,V</sup>					5.3 <sup>L,V</sup>	U
		17-Apr-17 <sup>+</sup>		13		14		17		12		12		12		9.1		9.1		8.2					8.2	U
		26-Jul-17		19		13		16		12		13		16		19		18		15					15	U
		12-Oct-17		5.3		8.5		3.6		11		18		23		15		14		4.9					4.9	U
		10-Jan-18		10.0		15.0		13.0		14.0		14.0		16.0		16.0		21.0		7.0					7.0	U
11-Apr-18		20.0		18.0		16.0		17.0		16.0		27.0		17.0		22.0		9.5 <sup>D</sup>					9.5 <sup>D</sup>	U		
27-Jul-18		23		18		14		18		15		16		16		6.7		15					15	U		
24-Oct-18		16		16		15		25		22		35		15		1										

**Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School - Volatile Organic Compounds  
February 2008 - January 2024**

Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)				
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual		
			U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
Acrylonitrile	None	8-Feb-08	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U					1.080	U	
		27-Mar-08	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U					1.080	U	
		25-Apr-08	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U					1.080	U	
		29-May-08	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U					1.080	U	
		27-Jun-08	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U					1.080	U	
		31-Jul-08	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U					1.080	U	
		28-Aug-08	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U					1.080	U	
		30-Sep-08	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U					2.200	U	
		27-Oct-08	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U					2.200	U	
		25-Nov-08	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U					2.200	U	
		18-Dec-08	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U					2.200	U	
		21-Jan-09	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U					2.200	U	
		25-Feb-09	2.200	U	2.200	U	2.200	U	2.200	U	NS	U	2.200	U	2.200	U	2.200	U	2.200	U					2.200	U	
		26-Mar-09	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U					1.080	U	
		29-Apr-09	1.080	U	1.080	U	2.740	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U					1.080	U	
		22-Jun-09	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U					1.080	U	
		9-Oct-09	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U					1.080	U	
		15-Jan-10	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U					1.080	U	
		21-Apr-10	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U					1.080	U	
		16-Jul-10	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U					1.080	U	
		15-Oct-10	1.080	U	0.108	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U					1.080	U	
		30-Nov-10	NS	U	1.080	U	1.080	U	1.080	U	NS	U	NS	U	NS	U	1.080	U	NS	U					NS	U	
		26-Jan-11	1.850	U	1.840	U	1.850	U	1.850	U	1.850	U	1.850	U	1.840	U	1.840	U	1.850	U		1.840	U	1.850	U	1.840	U
		26-Jan-11**	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					NS	U	
		27-Apr-11	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U					1.080	U	
		26-Jul-11	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U					1.080	U	
		28-Oct-11	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U					0.250	U	
		23-Jan-12	0.440	U	0.440	U	0.440	U	0.440	U	0.440	U	0.440	U	0.440	U	0.440	U	0.440	U					0.440	U	
		13-Apr-12	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U					0.500	U	
		2-Jul-12 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					0.370	U	
		20-Jun-12	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U					0.250	U	
		1-Nov-12	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U					0.250	U	
		1-Feb-13	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U					0.250	U	
		29-Apr-13	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U					0.250	U	
		9-Jul-13	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U					0.250	U	
		9-Jul-13 RIDEM	NS	U	NS	U	NS	U	NS	U	NS	U	0.164	U	NS	U	NS	U	NS	U					0.164	U	
		18-Oct-13	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U					0.250	U	
		9-Jan-14	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U					0.250	U	
		24-Apr-14	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U					0.250	U	
		1-Aug-14	0.250	U	0.250	U	0.250	U	0.250	U	0.370	U	0.250	U	0.250	U	0.250	U	0.250	U					0.250	U	
		12-Sept-14 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.250 <sup>LV</sup>	U	NS	U					NS	U	
		22-Oct-14	0.370 <sup>L</sup>	U	0.370 <sup>L</sup>	U	0.370 <sup>L</sup>	U	0.370 <sup>L</sup>	U	0.370 <sup>L</sup>	U	0.370 <sup>L</sup>	U	0.370 <sup>L</sup>	U	0.370 <sup>L</sup>	U	0.370 <sup>L</sup>	U					0.370 <sup>L</sup>	U	
		20-Jan-15	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.370 <sup>L</sup>	U	0.250	U					0.370	U	
		30-Mar-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					NS	U	
		22-Apr-15	0.250 <sup>L</sup>	U	0.250 <sup>L</sup>	U	0.250 <sup>L</sup>	U	0.250 <sup>L</sup>	U	0.250 <sup>L</sup>	U	0.250 <sup>L</sup>	U	0.250 <sup>L</sup>	U	0.250 <sup>L</sup>	U	0.250 <sup>L</sup>	U					0.250 <sup>L</sup>	U	
		21-Jul-15	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U					0.100	U	
		23-Sept-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.100	U	NS	U					NS	U	
		29-Oct-15	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U					0.100	U	
		4-Dec-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					NS	U	
		27-Jan-16	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U					0.25	U	
		20-Apr-16 <sup>L</sup>	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U					0.25	U	
		20-Jul-16	0.30	U	0.39	U	0.27	U	0.31	U	0.30	U	0.29	U	0.33	U	0.28	U	0.28	U					0.37	U	
		21-Oct-16	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U					0.25	U	
		31-Jan-17	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U					0.25	U	
		17-Apr-17 <sup>L</sup>	0.37	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U					0.38	U	
		26-Jul-17	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U					0.25	U	
		12-Oct-17	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U					0.25	U	
		10-Jan-18	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U					0.25	U	
		11-Apr-18	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U					1.2 <sup>D</sup>	U	
		27-Jul-18	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.38	U	0.38	U	0.25	U	0.25	U					0.25	U	
		24-Oct-18	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U					0.25	U	
		16-Jan-19	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U					0.25	U	
		12-Apr-19	0.25	U	0.25																						

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Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)			
			Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
		8-Feb-08	0.910		0.840		0.730		0.780		0.810		0.800		0.750		0.790							0.870		
		27-Mar-08	1.420		1.350		1.600		1.420		0.218		2.130		1.730		1.680							0.372		
		25-Apr-08	1.360		1.300		0.638		1.400		1.150		1.270		1.130		1.120							0.413		
		29-May-08	0.370		0.430		0.300		0.400		0.300		0.450		0.410		0.310							0.230		
		27-Jun-08	0.631		0.603		0.666		0.644		0.657		0.604		0.849		0.582							0.726		
		31-Jul-08	0.568		0.477		0.419		0.451		0.528		0.465		0.378		0.390							0.405		
		28-Aug-08	1.190		1.110		1.010		0.953		0.935		1.060		1.060		1.020							1.280		
		30-Sep-08	1.600		1.600		1.600		1.600		1.600		1.600		1.600		1.600							1.600		
		27-Oct-08	2.100		1.600		1.600		1.600		1.600		1.600		1.600		1.900							3.600	U	
		25-Nov-08	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U					1.600	U		
		18-Dec-08	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U					1.600	U		
		21-Jan-09	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U					1.600	U		
		25-Feb-09	1.600	U	1.600	U	1.600	U	NS		1.600	U	1.600	U	1.600	U	1.600	U					1.600	U		
		26-Mar-09	2.330		1.840		1.740		1.650		1.540		2.210		0.316		1.880						1.600	U		
		29-Apr-09	0.594		0.358		0.332		0.332		0.303		0.358		1.460		0.335						0.351			
		22-Jul-09	0.626		0.546		0.642		0.574		0.852		1.560		1.460		1.080						4.330			
		9-Oct-09	1.130		0.954		0.903		0.978		0.919		1.050		1.070		0.996						1.100			
		15-Jan-10	1.670		1.510		1.340		1.460		1.420		1.450		1.540		1.550						1.370			
		21-Apr-10	1.020		1.320		1.080		1.380		1.270		1.210		1.230		1.240						0.335			
		16-Jul-10	0.319	U	0.319	U	0.319	U	0.319	U	0.319	U	0.319	U	0.485	U	0.319	U					0.319	U		
		15-Oct-10	0.319	U	0.319	U	0.319	U	0.319	U	0.319	U	0.319	U	0.319	U	0.319	U					0.319	U		
		30-Nov-10	NS		0.514		0.594		NS		NS		NS		0.412		NS						NS			
		26-Jan-11	2.920		2.890		2.970		3.290		2.940		3.430		2.560		3.660				2.940		2.850	3.350		
		26-Jan-11**	NS		3.600		3.800		NS		NS		NS		3.800		NS						NS			
		27-Apr-11	0.319	U	0.319	U	0.319	U	0.319	U	0.319	U	0.319	U	0.319	U	0.319	U					0.319	U		
		26-Jul-11	0.559	U	0.664	U	0.319	U	0.326	U	0.319	U	0.319	U	0.329	U	0.319	U					0.319	U		
		28-Oct-11	0.640		0.500		0.380		0.390		0.410		0.450		0.460		0.430						0.300			
		23-Jan-12	1.300		1.200		1.200		1.200		1.200		1.200		1.200		1.300						1.200			
		13-Apr-12	0.680		0.670		0.590		0.600		0.580		0.650		0.580		0.520						0.220			
		2-Jul-12 resample	NS		NS		NS		NS		NS		NS		NS		0.290						0.140			
		20-Jun-12	0.490		0.540		0.410		0.510		0.520		0.440		0.460		0.540						0.740			
		1-Nov-12	1.300		1.000		0.770		1.200		0.990		1.500		1.700		1.300						0.470			
		1-Feb-13	0.470		0.410		0.400		0.420		0.410		0.490		0.500		0.410						0.410			
		29-Apr-13	0.960		0.920		0.900		0.930		0.760		0.710		0.940		0.840						0.300			
		9-Jul-13	0.440		0.420		0.400		0.450		0.450		0.450		0.450		0.440						0.520			
		9-Jul-13 RIDEM	NS		NS		NS		NS		0.537		NS		NS		NS						0.597			
		18-Oct-13	0.240		1.000		0.880		0.660		1.100		0.830		0.800		1.000						1.000			
		9-Jan-14	1.400		1.700		0.910		0.860		0.730		0.810		0.960		0.820						0.750			
		24-Apr-14	0.300		0.240		0.300		0.230		0.240		0.210		0.240		0.300						0.210			
		1-Aug-14	0.570		0.360		0.350		0.820		0.740		0.600		0.790		0.550						0.590			
		12-Sept-14 resample	NS		NS		NS		NS		NS		NS		NS		NS						NS			
		22-Oct-14	0.560		0.340		0.270		0.350	U	0.550		0.450		0.450		0.610						0.420			
		20-Jan-15	0.450		0.440		0.440		0.430		0.500		0.500		0.580		0.480						0.510			
		30-Mar-15 resample	NS		NS		NS		NS		NS		NS		NS		NS						NS			
		22-Apr-15	0.950		1.200		0.920		0.950		1.100		0.750		0.930		0.830						0.880			
		21-Jul-15	0.580		0.500 ^		0.510		0.470		0.530		0.570		0.480		0.480						0.350			
		23-Sept-15 resample	NS		NS		NS		NS		NS		NS		0.360		NS						NS			
		29-Oct-15	0.130 ^		0.250		0.580		0.180 ^		0.140 ^		0.160 ^		0.220		0.160						0.110 ^			
		4-Dec-15 resample	NS		0.220		NS		NS		NS		NS		NS		NS						NS			
		27-Jan-16	0.87		0.8		1		0.76		0.8		0.88		0.72		0.86						0.72			
		20-Apr-16 ^	0.59		0.33		0.34		0.4		0.39		0.38		0.33		0.33						0.4			
		20-Jul-16	0.23		0.25		0.22		0.16		0.34		0.28		0.11		0.19						0.18			
		21-Oct-16	0.82		0.92		0.30		0.93		0.45		0.5		0.29		0.55						3.3			
		31-Jan-17	0.86		0.52		0.52		0.54		0.54		0.55		0.52		0.56						0.51			
		17-Apr-17 ^	0.31		0.26		0.24		0.21		0.23		0.23		0.23		0.23						0.24			
		26-Jul-17	0.43		0.39		0.37		0.46		0.5		0.51		0.48		0.51						0.2			
		12-Oct-17	0.19		0.23		0.37		0.23		0.21		0.27		0.23		0.23						0.15			
		10-Jan-18	0.58		0.74		0.68		0.71		0.48		0.53		0.85		0.58						0.37			
		11-Apr-18	0.78		0.63		0.57		0.61		0.47		0.56		0.50		0.58						0.47 <sup>D</sup>			
		27-Jul-18	3.3		0.41		0.23		0.3		0.28		1		0.32		0.32						0.27			
		24-Oct-18	0.9		0.37		0.39		0.47		0.38		0.44		0.34		0.31						0.29			
		16-Jan-19	0.87		0.64		0.61		0.61		0.67		0.72		0.7		0.62						0.55			
		12-Apr-19	0.54		0.4		0.39		0.45		0.41		0.43		0.37		0.42						0.47			
		29-Jul-19	0.30		0.21		0.17		0.19		0.2		0.26		0.22		0.2						0.22			
		29-Oct-19	NS		0.3		0.26		0.31		0.31		0.32		0.34		NS						0.27			
		1-Nov-19	0.35		NS		NS		NS		NS		NS		NS		0.26						NS			
		21-Jan-20	0.96		0.60		0.57		0.60		0.65		0.61		0.75		0.47						0.47			
		22-Apr-20	0.17		0.16		0.15		0.16		0.16		0.16		0.17		0.16						0.15			
		23-Jul-20	0.20		0.18		0.18		0.17		0.18		0.28		0.21		0.18						0.15			
		29-Oct-20	0.77		0.85		0.74		0.67		0.82		1		0.88		0.98						1			
		19-Jan-21	0.75		0.54		0.36		0.38		0.38		0.37		0.38		0.38						0.4			
		15-Apr-21	0.21		0.25		0.25		0.26		0.26		0.26		0.25		0.064				U		0.22			
		21-Jul-21	0.87		1.1		1.1		0.79																	

Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School - Volatile Organic Compounds  
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Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)			
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	
			U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
		8-Feb-08	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U				0.130	U	
		27-Mar-08	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U				0.134	U	
		25-Apr-08	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U				0.134	U	
		29-May-08	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U				0.130	U	
		27-Jun-08	0.134	U	0.134	U	0.130	U	0.130	U	0.134	U	0.130	U	0.231	U	0.134	U	0.134	U				0.134	U	
		31-Jul-08	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U				0.134	U	
		28-Aug-08	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U				0.134	U	
		30-Sep-08	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U				0.130	U	
		27-Oct-08	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U				0.130	U	
		25-Nov-08	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U				0.130	U	
		18-Dec-08	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U				0.130	U	
		21-Jan-09	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U				0.130	U	
		25-Feb-09	0.130	U	0.130	U	0.130	U	NS	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U				0.130	U	
		26-Mar-09	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U				0.134	U	
		29-Apr-09	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U				0.134	U	
		22-Jul-09	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U				0.134	U	
		9-Oct-09	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U				0.134	U	
		15-Jan-10	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U				0.134	U	
		21-Apr-10	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U				0.134	U	
		16-Jul-10	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U				0.134	U	
		15-Oct-10	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U				0.134	U	
		30-Nov-10	NS	U	0.134	U	0.134	U	NS	U	NS	U	NS	U	0.134	U	NS	U	NS	U				NS	U	
		26-Jan-11	0.228	U	0.228	U	0.228	U	0.228	U	0.227	U	0.227	U	0.228	U	0.228	U	0.228	U	0.228	U	0.228	U	0.228	U
		26-Jan-11**	NS	U	0.340	U	0.340	U	NS	U	NS	U	NS	U	0.340	U	NS	U	NS	U				NS	U	
		27-Apr-11	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U				0.134	U	
		26-Jul-11	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U				0.134	U	
		28-Oct-11	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U				0.067	U	
		23-Jan-12	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U				0.240	U	
		13-Apr-12	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U				0.130	U	
		2-Jul-12 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U				0.100	U	
		20-Jun-12	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U				0.130	U	
		1-Nov-12	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U				0.067	U	
		1-Feb-13	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U				0.067	U	
		29-Apr-13	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U				0.067	U	
		9-Jul-13	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U				0.067	U	
		18-Oct-13	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U				0.130	U	
		9-Jan-14	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U				0.130	U	
		24-Apr-14	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U				0.130	U	
		1-Aug-14	0.130	U	0.130	U	0.130	U	0.200	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U				0.130	U	
		12-Sept-14 resamp	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.067	U	NS	U	NS	U				NS	U	
		22-Oct-14	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U				0.100	U	
		20-Jan-15	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.100	U	0.067	U				0.100	U	
		30-Mar-15 resamp	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.077	U	NS	U				NS	U	
		22-Apr-15	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U				0.067	U	
		21-Jul-15	0.300	U	0.300 ^	U	0.200	U	0.300	U	0.400	U	0.300	U	0.400	U	0.300	U	0.300	U				0.400	U	
		23-Sept-15 resamp	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U				NS	U	
		29-Oct-15	0.400	U	0.300	U	0.300	U	0.400	U	0.400	U	0.400	U	0.300	U	0.300	U	0.300	U				0.400	U	
		4-Dec-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U				NS	U	
		27-Jan-16	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U				0.067	U	
		20-Apr-16 ^	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U				0.067	U	
		20-Jul-16	0.080	U	0.100	U	0.073	U	0.082	U	0.080	U	0.078	U	0.088	U	0.088	U	0.075	U				0.10	U	
		21-Oct-16	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U				0.067	U	
		31-Jan-17	0.067	U	0.067	U	0.067	U	0.067	U	0.11	U	0.067	U	0.067	U	0.067	U	0.067	U				0.067	U	
		17-Apr-17 ^	0.1	U	0.10	U	0.10	U	0.10	U	0.1	U	0.10	U	0.1	U	0.1	U	0.1	U				0.1	U	
		26-Jul-17	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U				0.067	U	
		12-Oct-17	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U				0.067	U	
		10-Jan-18	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U				0.067	U	
		11-Apr-18	0.067	U	0.067	U	0.067	U	0.067	U	0.067	U	0.130	U	0.067	U	0.067	U	0.067	U				0.67 <sup>D</sup>	U	
		27-Jul-18	0.067	U	0.067	U	0.067	U	0.067	U	0.10	U	0.10	U	0.067	U	0.067	U	0.067	U				0.067	U	
		24-Oct-18	0.067	U	0.067	U	0.067	U	0.067	U	0.07	U	0.07	U	0.067	U	0.067	U	0.067	U				0.067	U	
		16-Jan-19	0.067	U	0.067	U	0.067	U	0.067	U	0.07	U	0.07	U	0.067	U	0.067	U	0.067	U				0.067</		

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Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)		
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
			U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromoform	0.55	8-Feb-08	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U				0.210	U
		27-Mar-08	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U				0.206	U
		25-Apr-08	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.210	U				0.206	U
		29-May-08	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U				0.210	U
		27-Jun-08	0.206	U	0.210	U	0.206	U	0.206	U	0.206	U	0.210	U	0.210	U	1.300	U	0.210	U				0.206	U
		31-Jul-08	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U				0.206	U
		28-Aug-08	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U				0.206	U
		30-Sep-08	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U				0.410	U
		27-Oct-08	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U				0.410	U
		25-Nov-08	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U				0.410	U
		18-Dec-08	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U				0.410	U
		21-Jan-09	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U				0.410	U
		25-Feb-09	0.410	U	0.410	U	0.410	U	NS	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U				0.410	U
		26-Mar-09	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U				0.206	U
		29-Apr-09	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U				0.206	U
		22-Jul-09	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U				0.206	U
		9-Oct-09	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U				0.206	U
		15-Jan-10	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U				0.206	U
		21-Apr-10	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U				0.206	U
		16-Jul-10	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U				0.206	U
		15-Oct-10	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U				0.206	U
		30-Nov-10	NS	U	0.206	U	0.206	U	0.206	U	NS	U	0.410	U	0.410	U	0.410	U	0.410	U				0.410	U
		26-Jan-11	0.353	U	0.351	U	0.352	U	0.352	U	NS	U	0.353	U	0.351	U	0.351	U	NS	U		0.351	U	0.352	U
		26-Jan-11**	NS	U	0.540	U	0.520	U	NS	U	NS	U	NS	U	0.520	U	NS	U	NS	U				NS	U
		27-Apr-11	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U				0.206	U
		26-Jul-11	0.207	U	0.207	U	0.207	U	0.207	U	0.207	U	0.207	U	0.207	U	0.207	U	0.207	U				0.207	U
		28-Oct-11	0.310	U	0.310	U	0.310	U	0.310	U	0.310	U	0.310	U	0.310	U	0.310	U	0.310	U				0.210	U
		23-Jan-12	0.360	U	0.360	U	0.360	U	0.360	U	0.360	U	0.360	U	0.360	U	0.035	U	0.360	U				0.360	U
		13-Apr-12	0.310	U	0.310	U	0.310	U	0.310	U	0.310	U	0.310	U	0.310	U	0.310	U	0.310	U				0.410	U
		2-Jul-12 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U				0.310	U
		20-Jun-12	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U				0.210	U
		1-Nov-12	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U				0.210	U
		1-Feb-13	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U				0.210	U
		29-Apr-13	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U				0.210	U
		9-Jul-13	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U				0.210	U
		18-Oct-13	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U				0.210	U
		9-Jan-14	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U				0.210	U
		24-Apr-14	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U				0.210	U
		1-Aug-14	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U				0.210	U
		12-Sept-14 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U				NS	U
		22-Oct-14	0.310	U	0.310	U	0.310	U	0.310	U	0.310	U	0.310	U	0.310	U	0.310	U	0.310	U				0.310	U
		20-Jan-15	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U				0.310	U
		30-Mar-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.240	U				NS	U
		22-Apr-15	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U				0.210	U
		21-Jul-15	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U	0.600	U	0.500	U	0.700	U	0.500	U				0.600	U
		23-Sept-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.600	U	NS	U				NS	U
		29-Oct-15	0.600	U	0.500	U	0.500	U	0.600	U	0.600	U	0.600	U	0.500	U	0.500	U	0.500	U				0.600	U
		4-Dec-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U				NS	U
		27-Jan-16	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U				0.21	U
		20-Apr-16 <sup>7</sup>	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U				0.21	U
20-Jul-16	0.25	U	0.32	U	0.22	U	0.25	U	0.25	U	0.24	U	0.27	U	0.27	U	0.23	U				0.31	U		
21-Oct-16	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U				0.21	U		
31-Jan-17	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U				0.21	U		
17-Apr-17 <sup>4</sup>	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U				0.31	U		
26-Jul-17	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U				0.21	U		
12-Oct-17	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U				0.21	U		
10-Jan-18	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U				0.21	U		
11-Apr-18	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U				1.0 <sup>P</sup>	U		
27-Jul-18	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.31	U	0.31	U	0.21	U	0.21	U				0.21	U		
24-Oct-18	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U				0.21	U		
16-Jan-19	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U				0.21	U		
12-Apr-19	0.10	U	0.10	U	0.10	U	0.10	U	0.1	U	0.1	U	0.1	U	0.10	U	0.10	U				0.10	U		
29-Jul-19	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U				0.21	U		
29-Oct-19	NS	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	NS	U				0.21	U		
1-Nov-19	0.21																								

**Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School - Volatile Organic Compounds  
February 2008 - January 2024**

Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)			
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	
			Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value
2-Butanone	500.0	8-Feb-08	1.470	U	1.470	U	1.470	U	1.470	U	1.470	U	1.470	U	1.470	U	1.470	U	1.470	U					1.470	U
		27-Mar-08	8.560	U	6.540	U	5.650	U	5.140	U	3.950	U	4.440	U	0.360	U	5.680	U	1.470	U					1.470	U
		25-Apr-08	2.140	U	1.470	U	1.470	U	1.470	U	1.470	U	1.470	U	1.470	U	1.470	U	1.470	U					1.470	U
		29-May-08	1.470	U	1.470	U	2.840	U	2.240	U	1.470	U	1.470	U	1.470	U	1.470	U	1.470	U					1.470	U
		27-Jun-08	7.850	U	2.520	U	3.810	U	3.890	U	3.050	U	2.420	U	2.840	U	2.340	U	2.340	U					3.080	U
		31-Jul-08	2.080	U	1.720	U	3.080	U	1.650	U	2.080	U	2.160	U	1.470	U	1.490	U	1.470	U					1.470	U
		30-Sep-08	2.280	U	1.790	U	3.980	U	3.980	U	1.470	U	1.470	U	1.470	U	1.470	U	1.470	U					1.650	U
		30-Sep-08	1.500	U	1.500	U	1.500	U	1.500	U	1.500	U	2.200	U	1.500	U	1.500	U	1.500	U					1.500	U
		27-Oct-08	1.900	U	3.200	U	1.500	U	3.600	U	1.500	U	2.000	U	1.500	U	2.300	U	1.500	U					2.800	U
		25-Nov-08	2.600	U	1.500	U	1.500	U	1.900	U	1.500	U	1.500	U	2.900	U	1.500	U	1.500	U					1.600	U
		18-Dec-08	1.500	U	1.500	U	1.500	U	1.500	U	1.500	U	1.500	U	1.500	U	1.500	U	1.500	U					1.500	U
		21-Jan-09	1.500	U	1.500	U	1.500	U	1.500	U	1.500	U	1.500	U	1.500	U	1.500	U	1.500	U					1.500	U
		25-Feb-09	1.500	U	1.500	U	0.079	U	NS	U	1.500	U	1.500	U	1.500	U	1.500	U	1.500	U					1.500	U
		26-Mar-09	2.410	U	1.560	U	1.470	U	1.470	U	1.470	U	1.590	U	1.470	U	1.470	U	1.470	U					1.470	U
		29-Apr-09	1.470	U	1.470	U	1.470	U	1.460	U	1.470	U	1.470	U	1.470	U	1.740	U	1.470	U					1.470	U
		22-Jul-09	1.470	U	1.470	U	4.750	U	1.470	U	2.070	U	21.900	U	1.470	U	1.740	U	1.470	U					4.360	U
		9-Oct-09	1.470	U	1.470	U	1.540	U	1.640	U	1.470	U	1.470	U	1.470	U	1.470	U	1.470	U					1.470	U
		15-Jan-10	6.610	U	1.470	U	1.470	U	1.470	U	1.470	U	1.470	U	1.470	U	1.470	U	1.470	U					1.470	U
		21-Apr-10	1.850	U	1.470	U	2.770	U	1.590	U	1.470	U	1.470	U	1.470	U	1.470	U	1.470	U					1.470	U
		16-Jul-10	2.520	U	1.900	U	2.100	U	2.210	U	3.180	U	2.800	U	24.600	U	1.870	U	1.870	U					1.630	U
		15-Oct-10	4.300	U	1.470	U	1.470	U	1.470	U	1.470	U	1.470	U	1.470	U	1.470	U	1.470	U					0.021	I
		30-Nov-10	NS	U	1.470	U	1.470	U	1.470	U	NS	U	NS	U	1.470	U	NS	U	NS	U					NS	U
		26-Jan-11	2.720	U	3.190	U	2.510	U	2.510	U	2.520	U	2.500	U	2.640	U	2.710	U	NS	U			2.500	U	2.500	U
		26-Jan-11**	NS	U	2.300	U	2.100	U	NS	U	NS	U	NS	U	1.600	U	NS	U	NS	U					NS	U
		27-Apr-11	1.470	U	1.470	U	2.220	U	1.470	U	1.470	U	1.470	U	1.470	U	1.470	U	1.470	U					1.470	U
		26-Jul-11	1.600	U	1.470	U	2.320	U	1.520	U	1.470	U	1.470	U	1.470	U	1.470	U	1.470	U					1.470	U
		28-Oct-11	3.500	U	3.500	U	3.500	U	3.500	U	3.500	U	3.500	U	3.500	U	3.500	U	3.500	U					2.400	U
		23-Jan-12	4.100	U	4.100	U	4.100	U	4.100	U	4.100	U	4.100	U	4.100	U	4.100	U	4.100	U					4.100	U
		13-Apr-12	3.500	U	3.500	U	3.500	U	3.500	U	3.500	U	3.500	U	3.600	U	3.500	U	3.500	U					4.700	U
		2-Jul-12 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					3.500	U
		20-Jun-12	2.600	U	2.400	U	3.300	U	2.700	U	2.800	U	2.400	U	2.400	U	2.400	U	2.400	U					2.400	U
		1-Nov-12	2.400	U	2.400	U	2.400	U	2.400	U	2.400	U	2.400	U	2.400	U	2.400	U	2.400	U					2.400	U
		1-Feb-13	2.400	U	2.400	U	2.400	U	2.400	U	2.400	U	2.400	U	2.400	U	2.400	U	2.400	U					2.400	U
		29-Apr-13	5.100	U	3.500	U	3.500	U	3.800	U	4.800	U	3.600	U	4.100	U	3.300	U	4.500	U					4.500	U
		9-Jul-13	2.800	U	3.000	U	2.800	U	2.400	U	3.600	U	2.400	U	5.400	U	2.900	U	2.900	U					3.200	U
		9-Jul-13 RIDEM	NS	U	NS	U	NS	U	NS	U	2.525	U	NS	U	NS	U	NS	U	NS	U					1.886	U
		18-Oct-13	4.800	U	4.700	U	3.500	U	5.800	U	2.800	U	2.800	U	6.900	U	3.100	U	3.100	U					3.200	U
		9-Jan-14	2.400	U	2.400	U	2.400	U	2.400	U	2.400	U	2.400	U	2.400	U	2.400	U	2.400	U					2.400	U
		24-Apr-14	2.400	U	2.400	U	2.500	U	2.400	U	4.500	U	2.400	U	2.400	U	2.400	U	2.400	U					2.400	U
		1-Aug-14	2.600	U	2.600	U	3.100	U	3.600	U	5.900	U	2.600	U	3.700	U	2.400	U	2.400	U					5.100	U
		12-Sept-14 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	2.600	U	NS	U	NS	U					NS	U
		22-Oct-14	3.500	U	3.500	U	4.300	U	3.500	U	3.600	U	3.500	U	3.500	U	3.500	U	3.500	U					3.500	U
		20-Jan-15	5.500	U	2.400	U	2.700	U	3.600	U	5.700	U	2.400	U	3.900	U	2.400	U	2.400	U					3.600	U
		30-Mar-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	2.700	U					NS	U
		22-Apr-15	2.600	U	4.500	U	6.600 <sup>+</sup>	U	2.400	U	3.900	U	3.200	U	4.600	U	4.800	U	4.800	U					10.000	U
		21-Jul-15	3.800	U	1.500 <sup>^</sup>	U	2.800	U	2.200	U	2.000	U	1.500	U	1.700	U	2.100	U	2.100	U					1.200	U
		23-Sept-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.610	U	NS	U	NS	U					NS	U
		29-Oct-15	0.430	U	1.800	U	0.670	U	1.200	U	0.550	U	1.100	U	1.400	U	0.550	U	0.550	U					0.710	U
		4-Dec-15 resample	NS	U	0.460	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					NS	U
		27-Jan-16	3.3	U	2.4	U	4.3	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U					2.4	U
20-Apr-16 <sup>^</sup>	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U					2.4	U		
20-Jul-16	2.8	U	3.7	U	2.7	U	2.9	U	3.8	U	2.8	U	3.1	U	2.7	U	2.7	U					3.5	U		
21-Oct-16	2.4	U	2.7	U	2.4	U	2.4	U	2.5	U	2.4	U	2.4	U	2.4	U	2.4	U					5	U		
31-Jan-17	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U					2.4	U		
17-Apr-17 <sup>+</sup>	3.5	U	3.5	U	3.5	U	3.5	U	3.5	U	3.5	U	3.500	U	3.500	U	3.500	U					3.5	U		
26-Jul-17	3.6	U	2.4	U	3.2	U	2.4	U	2.4	U	2.4	U	2.6	U	2.6	U	2.6	U					3.3	U		
12-Oct-17	2.4	U	2.4	U	3.8	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U					2.4	U		
10-Jan-18	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U					2.4	U		
11-Apr-18	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U					12 <sup>D</sup>	U		
27-Jul-18	3.90	U	2.4	U	2.4	U	2.4	U	3.5	U	3.5	U	2.4	U	2.4	U	2.4	U					2.4	U		
24-Oct-18	2.40	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U					2.4	U		
16-Jan-19	2.40	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U					2.4	U		
12-Apr-19	2.40	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U					2.4	U		
29-Jul-19	2.40	U	2.9	U	2.4	U	2.4	U	2.4																	







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Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)		
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
			Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value
Carbon tetrachloride	0.5	8-Feb-08	0.500		0.480		0.440		0.450		0.460		0.470		0.470		0.470		0.470						0.470
		27-Mar-08	0.540		0.541		0.547		0.537		0.580		0.577		0.552		0.586		0.586						0.565
		25-Apr-08	0.436		0.439		0.405		0.441		0.448		0.439		0.465		0.450		0.450						0.416
		29-May-08	0.470		0.470		0.450		0.470		0.480		0.490		0.520		0.460		0.460						0.460
		27-Jun-08	0.544		0.535		0.526		0.534		0.526		0.538		0.555		0.547		0.537						0.537
		31-Jul-08	0.526		0.532		0.528		0.554		0.554		0.542		0.564		0.551		0.557						0.557
		28-Aug-08	0.552		0.548		0.551		0.545		0.566		0.559		0.556		0.572		0.551						0.551
		30-Sep-08	0.489		0.446		0.404		0.497		0.461		0.250		0.491		0.531		0.547						0.547
		27-Oct-08	0.370		0.510		0.260		0.450		0.280		0.510		0.270	U	0.480		0.460						0.460
		25-Nov-08	0.400		0.400		0.400		0.440		0.420		0.350		0.370		0.470		0.470						0.470
		18-Dec-08	0.350		0.330		0.440		0.410		0.420		0.350		0.340		0.310		0.520						0.520
		21-Jan-09	0.490		0.460		0.570		0.460		0.500		0.490		0.570		0.540		0.620						0.620
		25-Feb-09	0.360		0.190		0.380		NS		4.000		0.400		0.410		0.400		0.440						0.440
		26-Mar-09	0.568		0.592		0.542		0.561		0.584		0.561		0.566		0.542		0.604						0.604
		29-Apr-09	0.534		0.522		0.597		0.534		0.528		0.622		0.578		0.559		0.515						0.515
		22-Jul-09	0.597		0.591		0.585		0.597		0.585		0.585		0.578		0.585		0.591						0.591
		9-Oct-09	0.503		0.566		0.471		0.497		0.471		0.497		0.478		0.484		0.478						0.478
		15-Jan-10	0.585		0.603		0.578		0.597		0.585		0.610		0.616		0.610		0.635						0.635
		21-Apr-10	0.490		0.547		0.559		0.484		0.126		0.459	U	0.530		0.490		0.484						0.484
		16-Jul-10	0.497		0.503		0.484		0.528		0.465		0.547		0.484		0.484		0.541						0.541
		15-Oct-10	0.459		0.427		0.509		0.434		0.408		0.440		0.453		0.446		0.503						0.503
		30-Nov-10	NS		0.478		0.559		0.597		NS		NS		NS		NS		NS						NS
		26-Jan-11	0.558		0.502		0.504		0.567		0.472		0.566		0.481		0.558		0.481			0.481			0.481
		26-Jan-11**	NS		0.540		0.500		NS		NS		NS		0.500		NS		NS						NS
		27-Apr-11	0.371		0.358		0.364		0.408		0.352		0.364		0.358		0.358		0.434						0.434
		26-Jul-11	0.409		0.442		0.409		0.428		0.402		0.421		0.402		0.421		0.459						0.459
		28-Oct-11	0.410		0.380		0.430		0.430		0.420		0.410		0.430		0.430		0.440						0.440
		23-Jan-12	0.490		0.490		0.480		0.480		0.470		0.460		0.490		0.460		0.480						0.480
		13-Apr-12	0.480		0.490		0.420		0.460		0.450		0.460		0.470		0.460		0.300						0.300
		2-Jul-12 resample	NS		NS		NS		NS		NS		NS		NS		NS		0.400						0.400
		20-Jun-12	0.560		0.610		0.520		0.530		0.590		0.500		0.550		0.570		0.490						0.490
		1-Nov-12	0.510		0.520		0.480		0.400		0.480		0.490		0.520		0.490		0.530						0.530
		1-Feb-13	0.520		0.510		0.530		0.510		0.510		0.510		0.520		0.540		0.540						0.540
		29-Apr-13	0.540		0.530		0.530		0.510		0.490		0.470		0.480		0.500		0.500						0.500
		9-Jul-13	0.430		0.440		0.430		0.370		0.440		0.450		0.440		0.430		0.440						0.440
		9-Jul-13 RIDEM	NS		NS		NS		NS		0.516		NS		NS		NS		0.500						0.500
		18-Oct-13	0.450		0.450		0.450		0.440		0.420		0.420		0.440		0.440		0.440						0.440
		9-Jan-14	0.400		0.430		0.450		0.450		0.400		0.450		0.430		0.430		0.480						0.480
		24-Apr-14	0.430		0.270		0.410		0.430		0.400		0.440		0.350		0.430		0.430						0.430
		1-Aug-14	0.570		0.700		0.510		0.460		0.410		0.410		0.440		0.420		0.420						0.420
		12-Sept-14 resample	NS		NS		NS		NS		NS		NS		0.470		NS		NS						NS
		22-Oct-14	0.430		0.410		0.430		0.370		0.460		0.420		0.440		0.440		0.410						0.410
		20-Jan-15	0.480		0.480		0.330		0.480		0.460		0.450		0.450		0.490		0.520						0.520
		30-Mar-15 resample	NS		NS		NS		NS		NS		NS		NS		NS		NS						NS
		22-Apr-15	0.320		0.350		0.320		0.330		0.340		0.330		0.360		0.290		0.320						0.320
		21-Jul-15	0.270		0.280		0.300		0.250		0.260		0.260		0.260		0.250		0.300						0.300
		23-Sept-15 resample	NS		NS		NS		NS		NS		NS		0.290		NS		NS						NS
		29-Oct-15	0.310		0.300		0.320		0.310		0.290		0.300		0.310		0.310		0.330						0.330
		4-Dec-15 resample	NS		0.28		NS		NS		NS		NS		NS		NS		NS						NS
		27-Jan-16	0.59		0.58		0.61		0.56		0.58		0.58		0.59		0.49		0.58						0.58
		20-Apr-16	0.95		0.65		0.71		0.65		0.64		0.67		0.65		0.66		0.58						0.58
		20-Jul-16	0.47		0.48		0.41		0.46		0.38		0.42		0.43		0.45		0.44						0.44
		21-Oct-16	0.49		0.49		0.54		0.43		0.48		0.47		0.46		0.46		0.47						0.47
		31-Jan-17	0.43		0.42		0.43		0.4		0.4		0.43		0.36		0.4		0.44						0.44
		17-Apr-17	0.45		0.45		0.43		0.44		0.45		0.51		0.45		0.48		0.48						0.48
		26-Jul-17	0.4		0.38		0.38		0.37		0.39		0.38		0.39		0.37		0.39						0.39
		12-Oct-17	0.39		0.39		0.41		0.38		0.31		0.37		0.32		0.35		0.43						0.43
		10-Jan-18	0.39		0.35		0.36		0.37		0.35		0.37		0.36		0.35		0.36						0.36
		11-Apr-18	0.48		0.48		0.47		0.49		0.45		0.52		0.47		0.41		0.48						0.48
		27-Jul-18	0.43		0.50		0.43		0.46		0.48		0.47		0.44		0.45		0.44						0.42
		24-Oct-18	0.47		0.46		0.49		0.46		0.48		0.47		0.48		0.47		0.46						0.46
		16-Jan-19	0.44		0.42		0.4		0.41		0.41		0.41		0.43		0.39		0.43						0.43
		12-Apr-19	0.45		0.51		0.41		0.48		0.45		0.46		0.4		0.42		0.44						0.44
		29-Jul-19	0.47		0.44		0.39		0.46		0.46		0.46		0.46		0.44		0.44						0.44
		29-Oct-19	NS		0.45		0.46		0.45		0.45		0.45		0.45		NS		0.47						0.47
		1-Nov-19	0.43		NS		NS		NS		NS		NS		NS		0.43		NS						NS
		21-Jan-20	0.41		0.39		0.40		0.43		0.43		0.42		0.42		0.41		0.43						0.43
		22-Apr-20	0.4		0.40		0.39		0.4		0.4		0.4		0.36		0.39		0.38						0.38
		23-Jul-20	0.39		0.40		0.39		0.39		0.42		0.44		0.41		0.4		0.41						0.41
		29-Oct-20	0.43		0.45		0.48		0.46		0.49		0.45		0.44		0.43		0.43						0.43
		19-Jan-21	0.49		0.48		0.48		0.47		0.49		0.48		0.48		0.48		0.48						0.45
		15-Apr-21	0.51		0.52		0.52		0.53		0.53		0.51		0.53		0.52		0.52						0.52
		21-Jul-21	0.48		0.51		0.48		0.49		0.49		0.47		0.54		0								

Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School - Volatile Organic Compounds  
February 2008 - January 2024

Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)			
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	
			U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chlorobenzene	37.0	8-Feb-08	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U					0.090	U
		27-Mar-08	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U					0.092	U
		25-Apr-08	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U					0.092	U
		29-May-08	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U					0.090	U
		27-Jun-08	0.092	U	0.090	U	0.090	U	0.090	U	0.092	U	0.090	U	0.090	U	0.314	U	0.092	U					0.092	U
		31-Jul-08	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U					0.092	U
		28-Aug-08	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U					0.092	U
		30-Sep-08	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U					2.300	U
		27-Oct-08	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U					2.300	U
		25-Nov-08	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U					2.300	U
		18-Dec-08	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U					2.300	U
		21-Jan-09	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U					2.300	U
		25-Feb-09	2.300	U	2.300	U	2.300	U	2.300	U	NS	U	2.300	U	2.300	U	2.300	U	2.300	U					2.300	U
		26-Mar-09	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U					0.092	U
		29-Apr-09	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U					0.092	U
		22-Jul-09	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U					0.092	U
		9-Oct-09	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U					0.092	U
		15-Jan-10	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U					0.092	U
		21-Apr-10	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U					0.092	U
		16-Jul-10	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U					0.092	U
		15-Oct-10	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U					0.092	U
		30-Nov-10	NS	U	0.092	U	0.092	U	0.092	U	NS	U	NS	U	NS	U	0.092	U	NS	U					NS	U
		26-Jan-11	0.157	U	0.156	U	0.157	U	0.157	U	0.157	U	0.156	U	0.156	U	0.156	U	0.157	U	0.156	U	0.157	U	0.156	U
		26-Jan-11**	NS	U	0.230	U	0.230	U	NS	U	NS	U	NS	U	NS	U	0.230	U	NS	U					NS	U
		27-Apr-11	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U					0.092	U
		26-Jul-11	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U					0.092	U
		28-Oct-11	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U					0.069	U
		23-Jan-12	0.160	U	0.160	U	0.160	U	0.160	U	0.160	U	0.160	U	0.160	U	0.160	U	0.160	U					0.160	U
		13-Apr-12	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U					0.140	U
		2-Jul-12 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					NS	U
		20-Jun-12	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U					0.092	U
		1-Nov-12	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U					0.092	U
		1-Feb-13	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U					0.092	U
		29-Apr-13	0.046	U	0.046	U	0.046	U	0.046	U	0.046	U	0.046	U	0.046	U	0.046	U	0.046	U					0.046	U
		9-Jul-13	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U					0.092	U
		9-Jul-13 RIDEM	NS	U	NS	U	NS	U	NS	U	NS	U	0.009	J	NS	U	NS	U	NS	U					0.002	J
		18-Oct-13	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U					0.092	U
		9-Jan-14	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U					0.092	U
		24-Apr-14	0.046	U	0.046	U	0.046	U	0.046	U	0.046	U	0.046	U	0.046	U	0.046	U	0.046	U					0.046	U
		1-Aug-14	0.092	U	0.092	U	0.092	U	0.140	U	0.140	U	0.092	U	0.092	U	0.092	U	0.092	U					0.092	U
		12-Sept-14 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					NS	U
		22-Oct-14	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U					0.140	U
		20-Jan-15	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.140	U	0.092	U					0.140	U
		30-Mar-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.110	U					NS	U
		22-Apr-15	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U					0.092	U
		21-Jul-15	0.200	U	0.200 ^	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.300	U	0.200	U					0.300	U
		23-Sept-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.300	U	NS	U					NS	U
		29-Oct-15	0.300	U	0.200	U	0.200	U	0.300	U	0.300	U	0.200	U	0.200	U	0.200	U	0.200	U					0.300	U
		4-Dec-15 resample	NS	U	0.200	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					NS	U
		27-Jan-16	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U					0.092	U
20-Apr-16 ^	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U					0.092	U		
20-Jul-16	0.11	U	0.14	U	0.10	U	0.11	U	0.11	U	0.11	U	0.11	U	0.12	U	0.10	U					0.14	U		
21-Oct-16	0.092	U	0.092	U	0.09	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.09	U					0.092	U		
31-Jan-17	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U					0.092	U		
17-Apr-17 ^	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U					0.14	U		
26-Jul-17	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U					0.092	U		
12-Oct-17	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U					0.092	U		
10-Jan-18	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U					0.092	U		
11-Apr-18	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U					0.46 <sup>D</sup>	U		
27-Jul-18	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.14	U	0.14	U	0.092	U	0.092	U					0.092	U		
24-Oct-18	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U					0.092	U		
16-Jan-19	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U					0.092	U		
12-Apr-19	0.092	U	0.092	U																						

Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School - Volatile Organic Compounds  
February 2008 - January 2024

Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)				
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual		
			U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
Chloroethane	500.0	8-Feb-08	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U					0.050	U	
		27-Mar-08	0.062	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U					0.053	U	
		25-Apr-08	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U					0.053	U	
		29-May-08	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U					0.050	U	
		27-Jun-08	0.053	U	0.050	U	0.053	U	0.053	U	0.053	U	0.050	U	0.050	U	0.050	U	0.050	U					0.053	U	
		31-Jul-08	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U					0.053	U	
		28-Aug-08	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U					0.053	U	
		30-Sep-08	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U					1.300	U	
		27-Oct-08	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U					1.300	U	
		25-Nov-08	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U					1.300	U	
		18-Dec-08	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U					1.300	U	
		21-Jan-09	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U					1.300	U	
		25-Feb-09	1.300	U	1.300	U	1.300	U	NS	U	NS	U	1.300	U	1.300	U	1.300	U	1.300	U					1.300	U	
		26-Mar-09	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U					0.053	U	
		29-Apr-09	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U					0.053	U	
		22-Jul-09	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U					0.053	U	
		9-Oct-09	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U					0.053	U	
		15-Jan-10	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U					0.053	U	
		21-Apr-10	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U					0.053	U	
		16-Jul-10	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U					0.053	U	
		15-Oct-10	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U					0.053	U	
		30-Nov-10	NS	U	0.053	U	0.053	U	NS	U	NS	U	NS	U	NS	U	0.053	U	NS	U					NS	U	
		26-Jan-11	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U		0.090	U	0.090	U	0.090	U
		26-Jan-11**	NS	U	0.130	U	0.130	U	NS	U	NS	U	NS	U	NS	U	0.130	U	NS	U					NS	U	
		27-Apr-11	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U					0.053	U	
		26-Jul-11	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U					0.053	U	
		28-Oct-11	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U	
		23-Jan-12	0.093	U	0.093	U	0.093	U	0.093	U	0.093	U	0.093	U	0.093	U	0.093	U	0.093	U					0.093	U	
		13-Apr-12	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.110	U	
		2-Jul-12 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					0.079	U	
		20-Jun-12	0.072	U	0.150	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U					0.053	U	
		1-Nov-12	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.061	U	0.053	U	0.053	U					0.053	U	
		1-Feb-13	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U					0.053	U	
		29-Apr-13	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U					0.110	U	
		9-Jul-13	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.092	U	0.053	U	0.053	U	0.053	U					0.053	U	
		18-Oct-13	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U					0.053	U	
		9-Jan-14	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U					0.053	U	
		24-Apr-14	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.053	U	0.026	U	0.026	U	0.053	U					0.026	U	
		1-Aug-14	0.053	U	0.053	U	0.053	U	0.079	U	0.079	U	0.053	U	0.062	U	0.059	U	0.053	U					0.053	U	
		12-Sept-14 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.053	U	NS	U					NS	U	
		22-Oct-14	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.095	U	
		20-Jan-15	0.053 <sup>+</sup>	U	0.053 <sup>+</sup>	U	0.053 <sup>+</sup>	U	0.060 <sup>+</sup>	U	0.053 <sup>+</sup>	U	0.053 <sup>+</sup>	U	0.053 <sup>+</sup>	U	0.079 <sup>+</sup>	U	0.053 <sup>+</sup>	U					0.079 <sup>+</sup>	U	
		30-Mar-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.061	U					NS	U	
		22-Apr-15	0.053	U	0.053	U	0.110 <sup>+</sup>	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U					0.061	U	
		21-Jul-15	0.100	U	0.100 <sup>+</sup>	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.200	U	0.100	U					0.100	U	
		23-Sept-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					NS	U	
		29-Oct-15	0.200	U	0.100	U	0.100	U	0.200	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U					0.200	U	
		4-Dec-15 resample	NS	U	0.100	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					NS	U	
		27-Jan-16	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U					0.053	U	
		20-Apr-16 <sup>+</sup>	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U					0.053	U	
20-Jul-16	0.063 <sup>+</sup>	U	0.082 <sup>+</sup>	U	0.057 <sup>+</sup>	U	0.065 <sup>+</sup>	U	0.063 <sup>+</sup>	U	0.063 <sup>+</sup>	U	0.062 <sup>+</sup>	U	0.070 <sup>+</sup>	U	0.059 <sup>+</sup>	U					0.079 <sup>+</sup>	U			
21-Oct-16	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U					0.053	U			
31-Jan-17	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U					0.053	U			
17-Apr-17 <sup>+</sup>	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U			
26-Jul-17	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U					0.053	U			
12-Oct-17	0.053	U	0.053	U	0.27	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U					0.053	U			
10-Jan-18	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U					0.053	U			
11-Apr-18	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U					0.26 <sup>0</sup>	U			
27-Jul-18	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.079	U	0.053	U	0.053	U	0.053	U					0.053	U			
24-Oct-18	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U					0.053	U			
16-Jan-19	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U					0.053	U			
12-Apr-19	0.053	U	0.053	U	0.053	U	0																				

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Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)			
			Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
		8-Feb-08	0.110		0.110		0.100		0.100		0.100		0.100		0.100		0.100		0.100					0.100	U	
		27-Mar-08	0.840		0.690		0.593	U	0.523	U	0.410	U	0.337	U	0.605	U	0.503	U					0.098	U		
		25-Apr-08	0.186		0.210		0.193		0.122		0.125		0.110		0.110		0.130						0.098	U		
		29-May-08	0.110		0.110		0.100		0.110		0.100	U	0.100	U	0.100	U	0.100	U					0.100	U		
		27-Jun-08	0.238		0.257		0.202		0.207		0.196		0.200		0.245		0.223						0.167	U		
		31-Jul-08	0.230		0.151		0.136		0.194		0.204		0.227		0.098	U	0.106						0.098	U		
		28-Aug-08	0.342		0.373		0.298		0.312		0.269		0.602		0.269		0.271						0.295	U		
		30-Sep-08	0.490	U	0.490	U	0.490	U	0.490	U	0.490	U	0.490	U	0.490	U	0.490	U					0.490	U		
		27-Oct-08	0.490	U	0.490	U	0.490	U	0.490	U	0.490	U	0.490	U	0.490	U	0.490	U					0.490	U		
		25-Nov-08	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U					0.240	U		
		18-Dec-08	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U					0.240	U		
		21-Jan-09	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U					0.240	U		
		25-Feb-09	0.240	U	0.240	U	0.240	U	NS		0.240	U	0.240	U	0.240	U	0.240	U					0.240	U		
		26-Mar-09	0.236		0.142		0.110		0.115		0.133		0.119		0.098	U	0.109						0.108	U		
		29-Apr-09	0.190		0.122		0.098	U	0.102		0.102		0.098	U	0.146		0.098						0.098	U		
		22-Jul-09	0.229		0.151		0.166		0.205		0.180		0.146		0.171		0.171						0.439	U		
		9-Oct-09	0.576		0.098	U	0.283		0.302		0.283		0.307		0.322		0.302						0.171	U		
		15-Jan-10	0.527		0.473		0.122		0.132		0.112		0.117		0.117		0.180						1.070	U		
		21-Apr-10	0.156		0.790		0.205		0.771		0.136		0.141		1.460		0.224						0.098	U		
		16-Jul-10	0.317		0.249		0.141		0.161		0.190		0.141		0.258		0.156						0.132	U		
		15-Oct-10	0.263		0.195		0.098	U	0.102		0.098	U	0.107	U	0.098	U	0.107	U					0.098	U		
		30-Nov-10	NS		0.234		0.112		NS		NS		NS		0.098	U	NS						NS	U		
		26-Jan-11	0.350		0.340		0.166	U	0.241	U	0.166	U	0.182	U	0.166	U	0.166	U		0.166	U		0.166	U		
		26-Jan-11**	NS		0.380		0.240	U	NS		NS		NS		0.240	U	NS						NS	U		
		27-Apr-11	0.098	U	0.220		0.098	U	0.141		0.098	U	0.098	U	0.098	U	0.098	U					0.098	U		
		26-Jul-11	0.230		0.249		0.166		0.986		0.166		0.127		0.244		0.156						0.146	U		
		28-Oct-11	0.120		0.110		0.085		0.097		0.079		0.082		0.082		0.082						0.049	U		
		23-Jan-12	0.170	U	0.240		0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U					0.170	U		
		13-Apr-12	0.270		0.420		0.140		0.270		0.130		0.130		0.130		0.280						0.098	U		
		2-Jul-12 resample	NS		NS		NS		NS		NS		NS		NS		0.100						0.094	U		
		20-Jun-12	0.210		0.520		0.140		0.220		0.180		0.140		0.140		0.580						0.110	U		
		1-Nov-12	0.098		0.140		0.082		0.100		0.088		0.110		0.110		0.100						0.072	U		
		1-Feb-13	0.390		0.240		0.088		0.120		0.088		0.092		0.092		0.088						0.098	U		
		29-Apr-13	0.180		0.140		0.140		0.160		0.140		0.120		0.140		0.140						0.082	U		
		9-Jul-13	0.260		0.240		0.170		0.300		0.310		0.200		0.200		0.200						0.200	U		
		9-Jul-13 RIDEM	NS		NS		NS		NS		0.217		NS		NS		NS						0.175	U		
		18-Oct-13	0.098	U	0.300		0.098	U	0.130		0.098	U	0.110	U	0.110	U	0.120	U					0.098	U		
		9-Jan-14	0.120		0.140		0.098	U	0.120		0.098	U	0.120	U	0.120	U	0.140	U					0.140	U		
		24-Apr-14	0.670		0.160		0.310		0.120		0.098	U	0.120	U	0.049	U	0.120	U					0.049	U		
		1-Aug-14	3.400		5.100		1.400		1.200		0.450		0.530		0.870		0.410						6.000	U		
		12-Sept-14 resample	NS		NS		NS		NS		NS		NS		0.110		NS						NS	U		
		22-Oct-14	0.073	U	0.073	U	0.073	U	0.190	U	0.073	U	0.150	U	0.073	U	0.073	U					0.160	U		
		20-Jan-15	0.120		0.120		0.049	U	0.100	U	0.110	U	0.130	U	0.073	U	0.140	U					0.073	U		
		30-Mar-15 resample	NS		NS		NS		NS		NS		NS		NS		0.088						NS	U		
		22-Apr-15	0.170		0.220		0.270	U	0.220	U	0.190	U	0.120	U	0.180	U	0.200	U					0.049	U		
		21-Jul-15	0.250		0.200		0.170	U	0.260	U	0.210	U	0.270	U	11.000	U	0.170	U					0.160	U		
		23-Sept-15 resample	NS		NS		NS		NS		NS		NS		0.300		NS						NS	U		
		29-Oct-15	0.300	U	0.370		0.300	U	0.300	U	0.300	U	0.220	U	0.590	U	0.200	U					0.300	U		
		4-Dec-15 resample	NS		0.520		NS		NS		NS		NS		NS		NS						NS	U		
		27-Jan-16	0.16		0.15		0.11		0.11		0.16		0.10		0.12		0.11						0.19	U		
		20-Apr-16	3.8		0.086		0.049	U	0.12		0.11		0.09		0.049	U	0.094	U					0.086	U		
		20-Jul-16	0.96		0.63		0.07		0.25		0.20		0.31		0.20		0.20						0.079	U		
		21-Oct-16	1.5		0.58		0.11		0.19		0.13		0.13		0.09		0.13						0.18	U		
		31-Jan-17	0.5		0.28		0.092		0.15		0.11		2.7		0.1		0.1						0.11	U		
		17-Apr-17	0.83		0.12		0.11		0.1		0.11		0.15		0.2		0.073						0.11	U		
		26-Jul-17	0.42		0.29		0.13		0.44		0.22		0.45		0.25		0.26						0.092	U		
		12-Oct-17	0.12		0.28		0.15		0.17		0.13		0.15		0.18		0.2						0.11	U		
		10-Jan-18	0.79		0.35		0.13		0.16		0.13		0.31		0.17		0.15						0.049	U		
		11-Apr-18	0.92		0.31		0.13		0.18		0.13		0.18		0.12		0.13						0.49 <sup>D</sup>	U		
		27-Jul-18	0.12		0.8		0.12		0.49		0.2		0.23		0.19		0.18						0.13	U		
		24-Oct-18	0.47		0.12		0.049	U	0.19	U	0.11		0.41		0.049	U	0.049	U					0.049	U		
		16-Jan-19	0.99		0.16		0.049	U	0.12	U	0.1		0.17		0.049	U	0.049	U					0.049	U		
		12-Apr-19	0.65		0.37		0.11		0.25		0.17		0.18		0.11		0.15						0.049	U		
		29-Jul-19	0.38		0.21		0.096		0.21		0.21		0.22		0.34		0.17						0.16	U		
		29-Oct-19	NS		0.14		0.11		0.24		0.19		0.2		0.1		NS						0.11	U		
		1-Nov-19	0.81		NS		NS		NS		NS		NS		NS		0.18						NS	U		
		21-Jan-20	0.05	U	0.18		0.10		0.11		0.13		0.14		0.10		0.09						0.10	U		
		22-Apr-20	0.1		0.049	U	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U					0.049	U		
		23-Jul-20	0.59		0.2		0.12		0.16		0.16		0.14		0.17		0.12						0.12	U		
		29-Oct-20	0.57		0.47		0.29		0.28		0.35		0.049	U	0.42		0.28						0.3	U		
		19-Jan-21	0.32		0.049		0.049	U	0.049	U</																

Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School - Volatile Organic Compounds  
February 2008 - January 2024

Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)			
			Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual	
		8-Feb-08	2.440		2.440		2.440		2.440		2.440		2.460		2.440		2.440		2.440						2.440	U
		27-Mar-08	2.830	U	3.070	U	2.680	U	2.440	U	2.830	U	2.440	U	2.480	U	2.440	U	2.440	U					2.440	U
		25-Apr-08	2.820		2.440		2.440	U	2.440	U	2.440	U	3.000	U	2.440	U	2.440	U	2.440	U					2.440	U
		29-May-08	2.790		3.000		7.100		11.000		2.940		6.280		6.420		2.770		2.770						2.440	U
		27-Jun-08	2.650		2.440	U	2.440	U	2.830	U	3.260	U	2.620	U	2.440	U	2.500	U	2.500	U					2.440	U
		31-Jul-08	3.580		3.880		3.330		4.370		3.440		3.740		2.440	U	2.440	U	2.440	U					2.440	U
		28-Aug-08	2.440		3.140		5.310		6.880		3.150		2.440	U	2.540	U	2.540	U	2.540	U					2.440	U
		30-Sep-08	1.400		1.300		1.100		1.400		1.000	U	1.700	U	1.600	U	1.000	U	1.000	U					1.200	U
		27-Oct-08	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	1.200	U	1.000	U	1.000	U	1.000	U					1.000	U
		25-Nov-08	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U					1.000	U
		18-Dec-08	1.000	U	1.000	U	1.000	U	1.400	U	1.000	U	1.000	U	1.000	U	1.300	U	1.300	U					1.000	U
		21-Jan-09	1.000	U	1.000	U	1.000	U	1.500	U	1.000	U	1.000	U	1.400	U	1.100	U	1.100	U					1.200	U
		25-Feb-09	1.000	U	1.000	U	1.000	U	NS		1.000	U	1.000	U	1.000	U	1.100	U	1.100	U					1.000	U
		26-Mar-09	2.490		2.680		2.550		2.920		2.910		2.440	U	2.440	U	2.440	U	2.440	U					2.440	U
		29-Apr-09	2.710		2.910		3.600		3.730		3.130		2.660	U	3.390	U	2.960	U	2.960	U					2.510	U
		22-Jul-09	2.670		2.520		2.660		2.540		2.440	U	2.780	U	3.390	U	3.320	U	3.320	U					2.440	U
		9-Oct-09	3.450		2.740		2.440	U	2.440	U	2.440	U	2.440	U	2.440	U	2.440	U	2.440	U					2.440	U
		15-Jan-10	3.850		3.690		2.820		3.180		3.240		3.630		3.120		3.750		3.750						2.600	U
		21-Apr-10	2.550		2.440	U	2.440	U	2.440	U	2.440	U	2.400	U	2.520	U	2.440	U	2.440	U					2.460	U
		16-Jul-10	1.510		1.660		1.050		1.090		1.680		1.110		1.300		1.100		1.100						1.510	U
		15-Oct-10	1.080		1.080		1.030	U	1.030	U	1.030	U	1.030	U	1.030	U	1.030	U	1.030	U					1.030	U
		30-Nov-10	NS		1.030	U	1.030	U	NS		NS		NS		1.030	U	NS		NS						NS	U
		26-Jan-11	1.760	U	1.750	U	1.760	U	1.760	U	1.760	U	1.750	U	1.750	U	1.760	U	1.760	U	1.750	U	1.760	U	1.750	U
		26-Jan-11**	NS		1.100		1.000		NS		NS		NS		NS		NS		NS						NS	U
		27-Apr-11	1.050		1.660		1.400		2.160		1.440		1.510		1.740		1.460		1.460						1.270	U
		26-Jul-11	1.160		1.600		1.030	U	1.120	U	1.030	U	1.030	U	1.030	U	1.030	U	1.030	U					1.030	U
		28-Oct-11	1.400		1.000		1.300		1.500		1.300		0.960		1.000		1.100		1.100						1.300	U
		23-Jan-12	1.300		1.100		1.100		1.200		1.400		1.900		1.400		1.500		1.500						1.100	U
		13-Apr-12	1.300		1.400		1.400		1.500		1.100		1.000		1.000		1.200		1.200						0.840	U
		2-Jul-12 resample	NS		NS		NS		NS		NS		NS		NS		NS		NS						1.100	U
		20-Jun-12	1.700		0.041	U	0.041	U	0.041	U	0.041	U	0.041	U	1.500	U	0.041	U	0.041	U					1.300	U
		1-Nov-12	1.100		1.100		0.910		1.200		1.000		1.200		1.100		1.100		1.100						0.990	U
		1-Feb-13	1.200		1.300		1.200		1.200		1.300		1.400		1.300		1.100		1.100						1.100	U
		29-Apr-13	1.300		1.300		1.300		1.200		1.800		1.100		1.300		1.300		1.300						1.100	U
		9-Jul-13	1.100		1.100		0.900		1.100		1.000		1.000		0.980		1.100		1.100						1.000	U
		9-Jul-13 RIDEM	NS		NS		NS		NS		1.142		NS		NS		NS		NS						1.164	U
		18-Oct-13	0.880		1.100		1.200		1.100		1.200		1.200		1.300		1.300		1.300						1.100	U
		9-Jan-14	0.900		0.950		1.000		1.100		1.000		1.100		1.100		1.200		1.200						1.100	U
		24-Apr-14	1.100		1.300		1.100		1.100		1.100		1.400		1.400		1.600		1.600						0.940	U
		1-Aug-14	0.083	U	0.083	U	0.083	U	0.120	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U					0.083	U
		12-Sept-14 resample	NS		NS		NS		NS		NS		NS		NS		NS		NS						NS	U
		22-Oct-14	0.780 <sup>+</sup>		0.810 <sup>+</sup>		1.100 <sup>+</sup>		0.880 <sup>+</sup>		1.000 <sup>+</sup>		1.300 <sup>+</sup>		1.500 <sup>+</sup>		1.200 <sup>+</sup>		1.200 <sup>+</sup>						0.890 <sup>+</sup>	U
		20-Jan-15	0.820 <sup>+</sup>		0.970 <sup>+</sup>		0.072 <sup>+</sup>		0.081 <sup>+</sup>		0.089 <sup>+</sup>		1.100 <sup>+</sup>		1.000 <sup>+</sup>		0.083 <sup>+</sup>		0.083 <sup>+</sup>						0.820 <sup>+</sup>	U
		30-Mar-15 resample	NS		NS		NS		NS		NS		NS		NS		NS		NS						NS	U
		22-Apr-15	1.200		1.300		4.600 <sup>+</sup>		1.400		1.400		1.200		2.700		3.400		3.400						1.100	U
		21-Jul-15	1.200		1.200		1.200		1.200		1.500		1.500		0.970		1.200		1.200						0.770	U
		23-Sept-15 resample	NS		NS		NS		NS		NS		NS		0.100		NS		NS						NS	U
		29-Oct-15	1.100		1.400		1.200		1.300		1.200		1.700		1.700		1.200		1.200						1.100	U
		4-Dec-15 resample	NS		1.000		NS		NS		NS		NS		NS		NS		NS						NS	U
		27-Jan-16	1.2		1.2		1		1.2		1.2		1.5		2.4		1.6		1.6						1.3	U
		20-Apr-16 <sup>+</sup>	1.4		1.1		1.1		1.1		1.2		1.2		1.2		1.2		1.2						1.6	U
		20-Jul-16	0.94		0.99		0.71		0.93		1.2		1.3		1.4		1.2		1.2						0.78	U
		21-Oct-16	1.1		1		0.9		1.1		1.1		1.1		1.1		1.3		1.3						0.93	U
		31-Jan-17	1.2		1.2		1.1		1.2		1.2		1.3		1.3		1.4		1.4						1.1	U
		17-Apr-17 <sup>+</sup>	1.2		1.3		1.3		1.3		1.3		1.4		1.4		1.3		1.3						1.2	U
		26-Jul-17	0.86		0.78		0.083	U	0.81	U	0.96	U	0.93	U	0.95	U	0.98	U	0.98	U					0.87	U
		12-Oct-17	0.94		1		1.5		1.1		1.1		1.3		1.2		1.1		1.1						1.1	U
		10-Jan-18	1.10		1.10		0.99		1.10		1.20		1.30		1.20		1.30		1.30						0.98	U
		11-Apr-18	1.60		1.50		1.30		1.30		1.50		1.80		1.50		1.70		1.70						1.3	U
		27-Jul-18	1.4		1.2		1		1.3		1.4		1.3		1.6		1.9		1.9						1.1	U
		24-Oct-18	0.99		1		0.94		1.1		1.1		1.4		1.1		1.1		1.1						0.95	U
		16-Jan-19	1.4		1.0		0.93		1		1		1.1		1.1		1.3		1.3						1.3	U
		12-Apr-19	1.3 <sup>v</sup>		1.2 <sup>v</sup>		1.4 <sup>v</sup>		1.3 <sup>v</sup>		1.2 <sup>v</sup>		1.3 <sup>v</sup>		1.3 <sup>v</sup>		1.6 <sup>v</sup>		1.6 <sup>v</sup>						1.2 <sup>v</sup>	U
		29-Jul-19	0.083	U	0.1	U	0.98	U	1.1	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U					1.2	U
		29-Oct-19	NS		1.1		0.94		0.083	U	0.083	U	0.083	U	0.99	U	NS	U	NS							

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			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual			
			U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U		
Dibromochloromethane	None	8-Feb-08	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U					0.100	U		
		27-Mar-08	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U					0.096	U		
		25-Apr-08	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U					0.096	U		
		29-May-08	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U					0.100	U		
		27-Jun-08	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.096	U	0.100	U	0.308	U	0.100	U					0.096	U		
		31-Jul-08	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U					0.096	U		
		28-Aug-08	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U					0.096	U		
		30-Sep-08	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U					4.200	U		
		27-Oct-08	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U					4.200	U		
		25-Nov-08	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U					4.200	U		
		18-Dec-08	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U					4.200	U		
		21-Jan-09	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U					4.200	U		
		25-Feb-09	4.200	U	4.200	U	4.200	U	4.200	U	NS	U	4.200	U	4.200	U	4.200	U	4.200	U					4.200	U		
		26-Mar-09	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U					0.096	U		
		29-Apr-09	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U					0.096	U		
		22-Jul-09	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U					0.096	U		
		9-Oct-09	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U					0.096	U		
		15-Jan-10	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U					0.096	U		
		21-Apr-10	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U					0.096	U		
		16-Jul-10	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U					0.170	U		
		15-Oct-10	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U					0.170	U		
		30-Nov-10	NS	U	0.170	U	0.170	U	0.170	U	NS	U	NS	U	NS	U	0.170	U	NS	U					NS	U		
		26-Jan-11	0.291	U	0.289	U	0.290	U	0.290	U	0.290	U	0.291	U	0.289	U	0.289	U	0.289	U		0.289	U		0.290	U	0.289	U
		26-Jan-11**	NS	U	0.430	U	0.430	U	NS	U	NS	U	NS	U	NS	U	0.430	U	NS	U					NS	U	NS	U
		27-Apr-11	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U					0.170	U	0.170	U
		26-Jul-11	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U					0.170	U	0.170	U
		28-Oct-11	0.260	U	0.260	U	0.260	U	0.260	U	0.260	U	0.260	U	0.260	U	0.260	U	0.260	U					0.170	U	0.170	U
		23-Jan-12	0.300	U	0.300	U	0.300	U	0.300	U	0.300	U	0.300	U	0.300	U	0.300	U	0.300	U					0.300	U	0.300	U
		13-Apr-12	0.260	U	0.260	U	0.260	U	0.260	U	0.260	U	0.260	U	0.260	U	0.260	U	0.260	U					0.340	U	0.340	U
		2-Jul-12 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					0.130	U	0.130	U
		20-Jun-12	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U					0.170	U	0.170	U
		1-Nov-12	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U					0.085	U	0.085	U
		1-Feb-13	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U					0.170	U	0.170	U
		29-Apr-13	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U					0.085	U	0.085	U
		9-Jul-13	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U					0.170	U	0.170	U
		18-Oct-13	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U					0.170	U	0.170	U
		9-Jan-14	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U					0.170	U	0.170	U
		24-Apr-14	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.170	U	0.085	U	0.085	U	0.085	U					0.085	U	0.085	U
		1-Aug-14	0.170	U	0.170	U	0.170	U	0.170	U	0.260	U	0.170	U	0.170	U	0.170	U	0.170	U					0.170	U	0.170	U
		12-Sept-14 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.085	U	NS	U					NS	U	NS	U
		22-Oct-14	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U					0.130	U	0.130	U
		20-Jan-15	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.130	U					0.085	U	0.085	U
		30-Mar-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.098	U					NS	U	NS	U
		22-Apr-15	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U					0.085	U	0.085	U
		21-Jul-15	0.400	U	0.400	U	0.400	U	0.400	U	0.400	U	0.500	U	0.400	U	0.500	U	0.400	U					0.500	U	0.500	U
		23-Sept-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.500	U	NS	U					NS	U	NS	U
		29-Oct-15	0.500	U	0.400	U	0.400	U	0.500	U	0.500	U	0.500	U	0.500	U	0.400	U	0.400	U					0.500	U	0.500	U
		4-Dec-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					NS	U	NS	U
		27-Jan-16	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U					0.085	U	0.085	U
		20-Apr-16	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U					0.085	U	0.085	U
		20-Jul-16	0.10	U	0.13	U	0.092	U	0.10	U	0.10	U	0.10	U	0.10	U	0.11	U	0.096	U					0.13	U	0.13	U
		21-Oct-16	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U					0.085	U	0.085	U
		31-Jan-17	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U					0.085	U	0.085	U
		17-Apr-17	0.13 <sup>v</sup>	U	0.13 <sup>v</sup>	U	0.13 <sup>v</sup>	U	0.13 <sup>v</sup>	U	0.13 <sup>v</sup>	U	0.13 <sup>v</sup>	U	0.13 <sup>v</sup>	U	0.13 <sup>v</sup>	U	0.13 <sup>v</sup>	U					0.13 <sup>v</sup>	U	0.13 <sup>v</sup>	U
		26-Jul-17	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U					0.085	U	0.085	U
		12-Oct-17	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U					0.085	U	0.085	U
		10-Jan-18	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U					0.085	U	0.085	U
		11-Apr-18	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.170	U	0.085	U	0.085	U					0.85 <sup>D</sup>	U	0.85 <sup>D</sup>	U
		27-Jul-18	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.13	U	0.13	U	0.085	U	0.085	U								





Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School - Volatile Organic Compounds  
February 2008 - January 2024

Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)			
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	
			U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
		8-Feb-08	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U				0.120	U	
		27-Mar-08	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U				0.120	U	
		25-Apr-08	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U				0.120	U	
		29-May-08	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U				0.120	U	
		27-Jun-08	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.822	U	0.120	U				0.120	U	
		31-Jul-08	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U				0.120	U	
		28-Aug-08	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U				0.120	U	
		30-Sep-08	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U				3.000	U	
		27-Oct-08	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U				3.000	U	
		25-Nov-08	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U				3.000	U	
		18-Dec-08	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U				3.000	U	
		21-Jan-09	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U				3.000	U	
		25-Feb-09	3.000	U	3.000	U	3.000	U	NS	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U				3.000	U	
		26-Mar-09	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U				0.120	U	
		29-Apr-09	0.120	U	0.120	U	0.100	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U				0.120	U	
		22-Jul-09	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U				0.120	U	
		9-Oct-09	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U				0.120	U	
		15-Jan-10	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U				0.120	U	
		21-Apr-10	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U				0.120	U	
		16-Jul-10	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U				0.120	U	
		15-Oct-10	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U				0.120	U	
		30-Nov-10	NS	U	0.120	U	0.120	U	NS	U	NS	U	NS	U	0.120	U	NS	U	NS	U				NS	U	
		26-Jan-11	0.205	U	0.204	U	0.205	U	0.205	U	0.205	U	0.204	U	0.204	U	0.205	U	0.205	U	0.204	U	0.205	U	0.204	U
		26-Jan-11**	NS	U	0.300	U	0.300	U	NS	U	NS	U	NS	U	0.300	U	NS	U	NS	U				NS	U	
		27-Apr-11	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U				0.120	U	
		26-Jul-11	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U				0.120	U	
		28-Oct-11	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U				0.120	U	
		23-Jan-12	0.220	U	0.210	U	0.400	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U				0.210	U	
		13-Apr-12	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U				0.240	U	
		2-Jul-12 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.180	U				0.180	U	
		20-Jun-12	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U				0.120	U	
		1-Nov-12	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U				0.120	U	
		1-Feb-13	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U				0.120	U	
		29-Apr-13	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U				0.120	U	
		9-Jul-13	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U				0.120	U	
		18-Oct-13	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U				0.120	U	
		9-Jan-14	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U				0.120	U	
		24-Apr-14	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U				0.120	U	
		1-Aug-14	0.120	U	0.120	U	0.120	U	0.180	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U				0.120	U	
		12-Sept-14 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.120	U	NS	U	NS	U				NS	U	
		22-Oct-14	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U				0.180	U	
		20-Jan-15	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.180	U	0.120	U				0.180	U	
		30-Mar-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.140	U	NS	U				NS	U	
		22-Apr-15	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U				0.120	U	
		21-Jul-15	0.300	U	0.300 ^	U	0.300	U	0.300	U	0.300	U	0.300	U	0.400	U	0.300	U	0.300	U				0.300	U	
		23-Sept-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.300	U	NS	U	NS	U				NS	U	
		29-Oct-15	0.300	U	0.300	U	0.300	U	0.300	U	0.300	U	0.300	U	0.300	U	0.440	U	0.440	U				0.400	U	
		4-Dec-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U				NS	U	
		27-Jan-16	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U				0.12	U	
		20-Apr-16 ^	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U				0.12	U	
		20-Jul-16	0.14	U	0.19	U	0.13	U	0.15	U	0.14	U	0.14	U	0.16	U	0.14	U	0.14	U				0.18	U	
		21-Oct-16	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U				0.12	U	
		31-Jan-17	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U				0.12	U	
		17-Apr-17 ^	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U				0.18	U	
		26-Jul-17	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U				0.12	U	
		12-Oct-17	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U				0.12	U	
		10-Jan-18	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U				0.12	U	
		11-Apr-18	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U				0.6 <sup>0</sup>	U	
		27-Jul-18	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.18	U	0.12	U	0.12	U	0.12	U				0.12	U	
		24-Oct-18	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U				0.12	U	
		16-Jan-19	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U				0.12	U	
		12-Apr-19	0.12	U	0.12	U	0.12	U	0.12	U	0.1															



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Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)			
			Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
1,4-Dichlorobenzene	24.0	8-Feb-08	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
		27-Mar-08	0.292	U	0.272	U	0.206	U	0.596	U	0.728	U	0.793	U	0.228	U	0.237	U	0.237	U	0.237	U	0.237	U	0.237	U
		25-Apr-08	0.415	U	0.287	U	0.126	U	0.245	U	0.261	U	0.245	U	0.205	U	0.205	U	0.205	U	0.205	U	0.205	U	0.222	U
		29-May-08	0.230	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
		27-Jun-08	0.506	U	0.176	U	0.391	U	0.315	U	0.130	U	0.273	U	1.340	U	0.582	U	0.582	U	0.582	U	0.582	U	0.120	U
		31-Jul-08	0.309	U	0.524	U	0.254	U	0.323	U	0.458	U	0.669	U	0.272	U	0.320	U	0.320	U	0.320	U	0.320	U	0.259	U
		28-Aug-08	0.198	U	0.252	U	0.216	U	0.262	U	0.205	U	0.211	U	0.202	U	0.222	U	0.222	U	0.222	U	0.222	U	0.213	U
		30-Sep-08	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U
		27-Oct-08	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U
		25-Nov-08	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U
		18-Dec-08	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U
		21-Jan-09	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U
		25-Feb-09	3.000	U	3.000	U	3.000	U	NS	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U
		26-Mar-09	0.149	U	0.129	U	0.120	U	0.120	U	0.193	U	0.146	U	0.204	U	0.150	U	0.150	U	0.150	U	0.150	U	0.120	U
		29-Apr-09	0.246	U	0.144	U	0.180	U	1.740	U	0.210	U	0.168	U	0.144	U	0.168	U	0.168	U	0.168	U	0.168	U	0.366	U
		22-Jul-09	0.198	U	0.120	U	0.553	U	0.120	U	0.174	U	0.204	U	0.144	U	0.270	U	0.270	U	0.270	U	0.270	U	0.444	U
		9-Oct-09	0.360	U	0.402	U	0.336	U	0.360	U	0.354	U	0.360	U	0.487	U	0.366	U	0.366	U	0.366	U	0.366	U	0.186	U
		15-Jan-10	0.156	U	0.186	U	0.120	U	0.432	U	0.150	U	0.198	U	0.144	U	0.120	U	0.120	U	0.120	U	0.120	U	0.138	U
		21-Apr-10	0.120	U	0.180	U	0.120	U	0.156	U	0.150	U	0.126	U	0.126	U	0.126	U	0.126	U	0.126	U	0.126	U	1.200	U
		16-Jul-10	1.580	U	0.493	U	0.637	U	0.306	U	0.499	U	0.655	U	11.400	U	0.553	U	0.553	U	0.553	U	0.553	U	0.384	U
		15-Oct-10	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
		30-Nov-10	NS	U	0.282	U	0.318	U	NS	U	NS	U	NS	U	0.120	U	NS	U	0.205	U	0.205	U	0.205	U	NS	U
		26-Jan-11	0.205	U	0.470	U	0.205	U	0.205	U	0.205	U	0.316	U	0.204	U	0.205	U	0.205	U	0.205	U	0.205	U	0.204	U
		26-Jan-11**	NS	U	0.740	U	0.300	U	NS	U	NS	U	NS	U	0.300	U	NS	U	NS	U	NS	U	NS	U	NS	U
		27-Apr-11	0.120	U	0.174	U	0.120	U	0.222	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
		26-Jul-11	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
		28-Oct-11	0.190	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.120	U
		23-Jan-12	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U
		13-Apr-12	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.240	U
		2-Jul-12 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.180	U
		20-Jun-12	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
		1-Nov-12	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
		1-Feb-13	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
		29-Apr-13	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
		9-Jul-13	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
		9-Jul-13 RIDEM	NS	U	NS	U	NS	U	NS	U	0.038	J	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.030	J
		18-Oct-13	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
		9-Jan-14	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
		24-Apr-14	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
		1-Aug-14	0.120	U	0.120	U	0.120	U	0.180	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
		12-Sept-14 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U
		22-Oct-14	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U
		20-Jan-15	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.180	U	0.120	U	0.120	U	0.120	U	0.180	U
		30-Mar-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.140	U	0.140	U	0.140	U	NS	U
		22-Apr-15	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
		21-Jul-15	0.300	U	0.300	U	0.300	U	0.300	U	0.300	U	0.300	U	0.400	U	0.300	U	0.300	U	0.300	U	0.300	U	0.300	U
		23-Sept-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.300	U	NS	U	NS	U	NS	U	NS	U	NS	U
		29-Oct-15	0.300	U	0.300	U	0.170	U	0.300	U	0.300	U	0.210	U	0.300	U	0.300	U	0.300	U	0.300	U	0.300	U	0.400	U
		4-Dec-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U
		27-Jan-16	0.12	U	0.13	U	0.12	U	0.14	U	0.12	U	0.61	U	0.12	U	10	U	0.12	U	0.12	U	0.12	U	0.12	U
20-Apr-16 <sup>3</sup>	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U		
20-Jul-16	0.14	U	0.19	U	0.13	U	0.15	U	0.14	U	0.14	U	0.24	U	0.17	U	0.17	U	0.17	U	0.17	U	0.18	U		
21-Oct-16	0.12	U	0.14	U	0.12	U	0.16	U	0.12	U	0.13	U	0.14	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U		
31-Jan-17	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U		
17-Apr-17 <sup>4</sup>	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	1.1	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U		
26-Jul-17	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	2.4	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U		
12-Oct-17	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.36	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U		
10-Jan-18	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.13	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U		
11-Apr-18	0.21	U	0.37	U	0.24	U	0.31</																			

Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School - Volatile Organic Compounds  
February 2008 - January 2024

Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)		
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
		27-Mar-08	2.420		2.380		2.280		2.110		2.600		2.560		2.700		2.070							2.210	
		25-Apr-08	2.060		2.100		2.010		2.170		2.030		1.990		2.080		2.030							1.860	
		29-May-08	1.700		1.630		1.540		1.760		1.630		1.610		1.780		1.600							1.560	
		27-Jun-08	2.280		2.280		2.370		2.330		2.240		2.220		2.250		2.250							2.220	
		31-Jul-08	2.030		2.020		1.970		1.970		1.910		1.920		1.920		1.900							1.850	
		28-Aug-08	3.600		2.870		2.920		2.870		2.920		2.800		2.800		2.980							2.770	
		30-Sep-08	2.500		2.700		2.500	U	2.500	U	2.500	U	2.900	U	2.800	U	2.500	U					2.500	U	
		27-Oct-08	2.500		2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U					2.500	U	
		25-Nov-08	2.500	U	2.500	U	2.500	U	2.500	U	3.400	U	2.500	U	2.500	U	2.500	U					2.500	U	
		18-Dec-08	2.700		2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U					2.500	U	
		21-Jan-09	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	3.000	U	2.500	U					2.500	U	
		25-Feb-09	2.500	U	2.500	U	2.500	U	NS	U	2.500	U	2.500	U	2.500	U	2.500	U					2.500	U	
		26-Mar-09	2.220		2.190	U	2.120		2.090		2.220		2.180		2.080		2.120							2.130	
		29-Apr-09	2.500		2.260		2.460		2.320		2.260		2.320		2.380		2.360							2.160	
		22-Jul-09	3.140		3.120		2.920		3.090		2.780		3.170		2.690		2.960							3.130	
		9-Oct-09	2.290		2.560		2.300		2.320		2.300		2.280		2.300		2.290							2.210	
		15-Jan-10	27.800		2.550		2.480		2.590		2.410		2.450		2.450		2.410							2.430	
		21-Apr-10	2.340		2.320		2.520		2.330		2.330		2.260		2.320		2.330							2.240	
		16-Jul-10	2.480		2.560		2.430		2.520		3.690		2.480		2.550		2.480							2.740	
		15-Oct-10	2.460		2.410		2.560		2.400		2.470		2.410		2.450		2.450							2.630	
		30-Nov-10	NS		2.480		2.550		NS		NS		NS		2.390		NS							NS	
		26-Jan-11	2.680		2.640		2.340		2.660		2.150		2.580		2.370		2.560				2.230		2.480	2.440	
		26-Jan-11**	NS		2.800		2.700		NS		NS		NS		2.600		NS							NS	
		27-Apr-11	2.070		2.820		2.200		2.450		2.160		2.210		2.220		2.210							2.460	
		26-Jul-11	2.290		2.270		2.270		2.270		2.260		2.260		2.350		2.260							2.350	
		28-Oct-11	2.700		2.400		2.800		2.600		2.800		2.500		2.600		2.800							2.500	
		23-Jan-12	1.700		1.800		1.600		1.500		2.000		2.000		1.800		1.900							2.000	
		13-Apr-12	2.100		2.100		2.000		2.000		1.800		1.700		1.700		1.700							1.300	
		2-Jul-12 resample	NS		NS		NS		NS		NS		NS		NS		NS						2.500		
		20-Jun-12	2.500		2.600		2.500		2.400		2.700		2.300		2.500		2.500							2.300	
		1-Nov-12	2.000		2.200		2.100		2.000		2.000		2.100		2.000		2.000							2.100	
		1-Feb-13	1.600		1.600		1.600		1.600		1.600		1.600		1.600		1.700							1.600	
		29-Apr-13	2.490		2.600		2.600		2.400		2.400		2.400		2.400		2.400							2.400	
		9-Jul-13	0.950		0.980		0.930		0.960		0.990		1.000		0.980		0.970							1.000	
		18-Oct-13	2.000		2.200		1.900		2.000		1.900		2.000		1.900		2.000							2.000	
		9-Jan-14	1.400		1.500		1.400		1.400		1.500		1.500		1.500		1.600							1.600	
		24-Apr-14	2.300		2.400		2.300		2.400		2.800		2.400		2.500		4.100							2.500	
		1-Aug-14	1.500		1.600		1.500		1.600		1.500		1.600		2.300/1.500		1.500							1.700	
		12-Sept-14 resample	NS		NS		NS		NS		NS		NS		NS		NS							NS	
		22-Oct-14	1.400		1.400		1.400		1.500		1.400		1.500		1.400		1.300							1.500	
		20-Jan-15	1.400		1.500		1.300		1.400		1.500		1.400		1.500		1.500							1.500	
		30-Mar-15 resample	NS		NS		NS		NS		NS		NS		NS		NS							NS	
		22-Apr-15	1.800		1.800		4.200 <sup>V</sup>		1.800		1.700		1.700		1.900		1.700							1.600	
		21-Jul-15	0.870		0.940 <sup>^</sup>		0.890		0.840		0.910		0.880		0.930		0.840							0.980	
		23-Sept-15 resample	NS		NS		NS		NS		NS		NS		0.920		NS							NS	
		29-Oct-15	1.100		1.000		1.100		1.000		0.930		0.970		1.000		1.000							1.100	
		27-Jan-16	2.1 <sup>**</sup>		2 <sup>**</sup>		1.9 <sup>**</sup>		2 <sup>**</sup>		2.1 <sup>**</sup>		2.1 <sup>**</sup>		2 <sup>**</sup>		2 <sup>**</sup>							2.1 <sup>**</sup>	
		20-Apr-16 <sup>^</sup>	1.5		1.7		1.5		1.6		1.8		1.6		1.5		1.6							1.8	
		20-Jul-16	1.2		1.3		1		1.2		1.3		1.2		1.2		1.2							1.2	
		21-Oct-16	0.5		0.5		0.48		0.48		0.54		0.51		0.51		0.49							0.55	
		31-Jan-17	0.8		0.8		0.75		0.76		0.77		0.78		0.76		0.71							0.74	
		17-Apr-17 <sup>^</sup>	0.86		1.2		0.99		1.1		1		1		1		1.1							1	
		26-Jul-17	1.8		1.8		0.099		1.8		1.8		1.8		1.8		1.9							1.8	
		12-Oct-17	0.73		0.75		0.84	U	0.72		0.75		0.76		0.76		0.73							0.89	
		10-Jan-18	0.67		0.69		0.65		0.69		0.69		0.72		0.69		0.70							0.65	
		11-Apr-18	1.1		1.1		1.2		1.0		1.30		1.1		1.4		1.1							2.2	
		27-Jul-18	0.8		0.78		0.78		0.97		1		0.96		0.99		0.93							0.79	
		24-Oct-18	0.66		0.61		0.62		0.68		0.63		0.67		0.75		0.69							0.6	
		16-Jan-19	0.89		0.74		0.73		0.76		0.83		0.84		0.85		0.82							0.94	
		12-Apr-19	0.84 <sup>LV</sup>		0.75 <sup>LV</sup>		0.95		0.89 <sup>LV</sup>		0.81 <sup>LV</sup>		0.77 <sup>LV</sup>		0.89 <sup>LV</sup>		0.88 <sup>LV</sup>							0.81 <sup>LV</sup>	
		29-Jul-19	1.5		1.5		1.2		1.4		1.4		1.5		1.3		1.3				U			1.40	
		29-Oct-19	NS		1.4		1.4		1.4		0.099	U	0.099	U	1.4		NS							1.40	
		1-Nov-19	0.099	U	NS		NS		NS		NS		NS		NS		NS							NS	
		21-Jan-20	2.3		2.60		2.40		2.40		2.60		2.50		2.40		2.30							2.50	
		22-Apr-20	1.2		1.2		1.2		1.2		1.2		1.2		1.2		1.2							1.20	
		23-Jul-20	1.2		1.1		1.1		1.2		1.2		1.1		1.2		1.2							1.20	
		29-Oct-20	0.099	U	0.099	U	0.099	U	2.7		0.099	U	0.099	U	0.099	U	0.099	U						2.70	
		19-Jan-21	1		1.1		1		0.89		1		0.98		0.93		0.96							0.94	
		15-Apr-21	1.8		1.8		1.9		1.8		1.8		1.8		1.7		1.8							1.80	
		21-Jul-21	1.9		2		1.9		1.9		1.8		2		2		2							2.10	
		20-Oct-21	2.6		2.5		2.4		2.5		2.5		2.4		2.6		2.6							2.50	
		31-Jan-22	0.86		0.78		0.87		0.79		0.84		0.73		0.88		0.88							0.84	
		7-Apr-22	2.2		2.2		2.2		2.1		2.2		2.2		2.2		2.2					</			

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Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)				
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual		
			U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
1,1-Dichloroethane	77.0	8-Feb-08	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U					0.080	U	
		27-Mar-08	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U					0.081	U	
		25-Apr-08	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U					0.081	U	
		29-May-08	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U					0.080	U	
		27-Jun-08	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U					0.080	U	
		31-Jul-08	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U					0.081	U	
		28-Aug-08	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U					0.081	U	
		30-Sep-08	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U					2.000	U	
		27-Oct-08	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U					2.000	U	
		25-Nov-08	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U					2.000	U	
		18-Dec-08	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U					2.000	U	
		21-Jan-09	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U					2.000	U	
		25-Feb-09	2.000	U	2.000	U	2.000	U	2.000	U	NS	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U					2.000	U
		26-Mar-09	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U					0.081	U	
		29-Apr-09	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U					0.081	U	
		22-Jul-09	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U					0.081	U	
		9-Oct-09	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U					0.081	U	
		15-Jan-10	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U					0.081	U	
		21-Apr-10	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U					0.081	U	
		16-Jul-10	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U					0.081	U	
		15-Oct-10	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U					0.081	U	
		30-Nov-10	NS		0.081	U	0.081	U	0.081	U	NS		NS		NS		0.081	U	NS						NS		
		26-Jan-11	0.138	U	0.138	U	0.138	U	0.138	U	0.138	U	0.138	U	0.137	U	0.138	U	NS		0.138	U	0.138	U	0.138	U	
		26-Jan-11**	NS		0.200	U	0.200	U	NS		NS		NS		NS		0.200	U	NS						NS		
		27-Apr-11	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U					0.081	U	
		26-Jul-11	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U					0.081	U	
		28-Oct-11	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U					0.061	U	
		23-Jan-12	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U					0.140	U	
		13-Apr-12	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U					0.061	U	
		2-Jul-12 resample	NS		NS		NS		NS		NS		NS		NS		NS		NS						NS		
		20-Jun-12	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U					0.081	U	
		1-Nov-12	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.040	U	
		1-Feb-13	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.040	U	
		29-Apr-13	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U					0.081	U	
		9-Jul-13	0.040	U	0.040	U	0.400	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.040	U	
		9-Jul-13 RIDEM	NS		NS		NS		NS		NS		0.006	J	NS		NS		NS						0.006	J	
		18-Oct-13	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U					0.081	U	
		9-Jan-14	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U					0.081	U	
		24-Apr-14	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.040	U	
		1-Aug-14	0.081	U	0.081	U	0.081	U	0.081	U	0.120	U	0.081	U	0.081	U	0.081	U	0.081	U					0.081	U	
		12-Sept-14 resample	NS		NS		NS		NS		NS		NS		NS		NS		NS						NS		
		22-Oct-14	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U					0.061	U	
		20-Jan-15	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.061	U					0.061	U	
		30-Mar-15 resample	NS		NS		NS		NS		NS		NS		NS		NS		NS						NS		
		22-Apr-15	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.040	U	
		21-Jul-15	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.300	U	0.200	U					0.200	U	
		23-Sept-15 resample	NS		NS		NS		NS		NS		NS		NS		0.200	U	NS						NS		
		29-Oct-15	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U					0.200	U	
		4-Dec-15 resample	NS		NS		NS		NS		NS		NS		NS		NS		NS						NS		
		27-Jan-16	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U					0.04	U	
		20-Apr-16	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.040	U	
		20-Jul-16	0.048	U	0.063	U	0.044	U	0.050	U	0.048	U	0.047	U	0.053	U	0.053	U	0.046	U					0.060	U	
		21-Oct-16	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.040	U	
		31-Jan-17	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.04	U	
		17-Apr-17	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U					0.061	U	
		26-Jul-17	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U					0.04	U	
		12-Oct-17	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U					0.04	U	
		10-Jan-18	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U					0.04	U	
		11-Apr-18	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.081	U	0.040	U	0.040	U					0.4 <sup>D</sup>	U	
		27-Jul-18	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.061	U	0.061	U	0.040	U	0.040	U					0.040	U	
		24-Oct-18	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.04	U	0.04	U	0.040	U	0.040	U					0.040	U	
		16-Jan-19	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.04	U	0.04	U	0.040	U	0.040	U					0.040	U	
		12-Apr-19	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.04	U	0.04	U	0.040	U	0.040	U					0.040	U	
		29-Jul-19	0.040																								

Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School - Volatile Organic Compounds  
February 2008 - January 2024

Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)			
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	
			U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloroethane	0.07/0.08	8-Feb-08	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U					0.080	U
		27-Mar-08	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U					0.081	U
		25-Apr-08	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U					0.081	U
		29-May-08	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U					0.080	U
		27-Jun-08	0.080	U	0.081	U	0.080	U	0.080	U	0.084	U	0.080	U	0.080	U	0.178	U	0.080	U					0.081	U
		31-Jul-08	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U					0.081	U
		28-Aug-08	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U					0.081	U
		30-Sep-08	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U					0.080	U
		27-Oct-08	0.080	U	0.150	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U					0.080	U
		25-Nov-08	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U					0.080	U
		18-Dec-08	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U					0.080	U
		21-Jan-09	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U					0.080	U
		25-Feb-09	0.080	U	0.080	U	0.080	U	0.080	U	NS	U	0.080	U	0.080	U	0.080	U	0.080	U					0.080	U
		26-Mar-09	0.102	U	0.084	U	0.087	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U					0.081	U
		29-Apr-09	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.089	U	0.081	U	0.081	U	0.081	U					0.081	U
		22-Jul-09	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U					0.081	U
		9-Oct-09	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U					0.081	U
		15-Jan-10	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U					0.081	U
		21-Apr-10	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.162	U					0.081	U
		16-Jul-10	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.087	U	0.081	U					0.081	U
		15-Oct-10	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U					0.081	U
		30-Nov-10	NS	U	0.081	U	0.081	U	0.081	U	NS	U	NS	U	NS	U	0.081	U	NS	U					NS	U
		26-Jan-11	0.138	U	0.138	U	0.138	U	0.138	U	0.138	U	0.138	U	0.137	U	0.138	U	0.138	U	0.138	U			0.138	U
		26-Jan-11**	NS	U	0.200	U	0.200	U	0.200	U	NS	U	NS	U	NS	U	0.200	U	NS	U					NS	U
		27-Apr-11	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.089	U			0.081	U
		26-Jul-11	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U					0.081	U
		28-Oct-11	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U					0.040	U
		23-Jan-12	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.091	U	0.071	U	0.071	U					0.071	U
		13-Apr-12	0.066	U	0.068	U	0.061	U	0.061	U	0.061	U	0.063	U	0.063	U	0.061	U	0.061	U					0.081	U
		2-Jul-12 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.061	U					0.061	U
		20-Jun-12	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.080	U	0.081	U	0.081	U					0.081	U
		1-Nov-12	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.040	U
		1-Feb-13	0.076	U	0.084	U	0.083	U	0.086	U	0.089	U	0.089	U	0.079	U	0.099	U	0.079	U					0.110	U
		29-Apr-13	0.094	U	0.099	U	0.099	U	0.096	U	0.096	U	0.160	U	0.099	U	0.091	U	0.092	U					0.084	U
		9-Jul-13	0.058	U	0.060	U	0.047	U	0.052	U	0.049	U	0.081	U	0.053	U	0.053	U	0.047	U					0.047	U
		9-Jul-13 RIDEM	NS	U	NS	U	NS	U	NS	U	NS	U	0.084	U	NS	U	NS	U	NS	U					0.051	U
		18-Oct-13	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U					0.081	U
		9-Jan-14	0.040	U	0.097	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.040	U
		24-Apr-14	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.150	U					0.040	U
		1-Aug-14	0.040	U	0.040	U	0.040	U	0.040	U	0.060	U	0.100	U	0.040	U	0.040	U	0.040	U					0.040	U
		12-Sept-14 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					NS	U
		22-Oct-14	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U					0.061	U
		20-Jan-15	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.061	U	0.040	U					0.061	U
		30-Mar-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.047	U					NS	U
		22-Apr-15	0.040	U	0.040	U	0.170	U	0.040	U	0.040	U	0.096	U	0.040	U	0.086	U	0.040	U					0.040	U
		21-Jul-15	0.100	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.300	U	0.200	U					0.200	U
		23-Sept-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					NS	U
		29-Oct-15	0.200	U	0.890	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.430	U	0.200	U					0.200	U
		4-Dec-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					NS	U
		27-Jan-16	0.06	U	0.063	U	0.063	U	0.065	U	0.065	U	0.068	U	0.063	U	0.068	U	0.076	U					0.057	U
20-Apr-16	0.057	U	0.055	U	0.040	U	0.068	U	0.068	U	0.060	U	0.060	U	0.040	U	0.058	U					0.062	U		
20-Jul-16	0.048	U	0.063	U	0.044	U	0.050	U	0.050	U	0.058	U	0.047	U	0.053	U	0.049	U					0.060	U		
21-Oct-16	0.040	U	0.062	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.049	U					0.040	U		
31-Jan-17	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.04	U		
17-Apr-17	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U					0.061	U		
26-Jul-17	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U					0.04	U		
12-Oct-17	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U					0.04	U		
10-Jan-18	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U					0.04	U		
11-Apr-18	0.040	U	0.040	U	0.040	U	0.071	U	0.040	U	0.040	U	0.081	U	0.040	U	0.040	U					0.4 <sup>P</sup>	U		
27-Jul-18	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.061	U	0.061	U	0.040	U	0.040	U					0.040	U		
24-Oct-18	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.04	U	0.04	U	0.040	U	0.040	U					0.040	U		
16-Jan-19	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.04	U	0.04	U	0.040	U	0.040	U					0.040	U		
12-Apr-19	0.040	U	0.040	U	0																					

Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School - Volatile Organic Compounds  
February 2008 - January 2024

Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)			
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	
			U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethylene	10.0	8-Feb-08	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U					0.080	U
		27-Mar-08	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		25-Apr-08	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		29-May-08	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U					0.080	U
		27-Jun-08	0.079	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U					0.080	U
		31-Jul-08	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		28-Aug-08	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		30-Sep-08	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U					2.000	U
		27-Oct-08	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U					2.000	U
		25-Nov-08	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U					2.000	U
		18-Dec-08	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U					2.000	U
		21-Jan-09	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U					2.000	U
		25-Feb-09	2.000	U	2.000	U	2.000	U	NS	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U					2.000	U
		26-Mar-09	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		29-Apr-09	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		22-Jul-09	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.111	U	0.079	U	0.079	U					0.079	U
		9-Oct-09	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		15-Jan-10	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		21-Apr-10	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		16-Jul-10	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		15-Oct-10	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		30-Nov-10	NS	U	0.079	U	0.079	U	NS	U	NS	U	NS	U	NS	U	0.079	U	NS	U					NS	U
		26-Jan-11	0.135	U	0.135	U	0.135	U	0.135	U	0.135	U	0.135	U	0.134	U	0.135	U	NS	U	0.135	U	0.135	U	0.135	U
		26-Jan-11**	NS	U	0.200	U	0.200	U	NS	U	NS	U	NS	U	NS	U	0.200	U	NS	U					NS	U
		27-Apr-11	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		26-Jul-11	0.079	U	0.079	U	0.790	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		28-Oct-11	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U					0.040	U
		23-Jan-12	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U					0.140	U
		13-Apr-12	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U					0.079	U
		2-Jul-12 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					0.059	U
		20-Jun-12	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		1-Nov-12	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.040	U
		1-Feb-13	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.040	U
		29-Apr-13	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.040	U
		9-Jul-13	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.040	U
		9-Jul-13 RIDEM	NS	U	NS	U	NS	U	NS	U	0.029	U	NS	U	NS	U	NS	U	NS	U					0.029	U
		18-Oct-13	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		9-Jan-14	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		24-Apr-14	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.040	U
		1-Aug-14	0.079	U	0.079	U	0.079	U	0.120	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		12-Sept-14 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					NS	U
		22-Oct-14	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U					0.059	U
		20-Jan-15	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.098	U	0.059	U	0.040	U					0.059	U
		30-Mar-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.046	U					NS	U
		22-Apr-15	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.040	U
		21-Jul-15	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.300	U	0.200	U					0.200	U
		23-Sept-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.200	U	NS	U					NS	U
		29-Oct-15	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U					0.200	U
		4-Dec-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					NS	U
		27-Jan-16	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U					0.04	U
		20-Apr-16	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.040	U
		20-Jul-16	0.047	U	0.061	U	0.043	U	0.049	U	0.047	U	0.046	U	0.052	U	0.045	U	0.045	U					0.059	U
		21-Oct-16	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.040	U
		31-Jan-17	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.04	U
		17-Apr-17	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U					0.059	U
		26-Jul-17	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U					0.04	U
		12-Oct-17	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U					0.04	U
		10-Jan-18	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U					0.04	U
		11-Apr-18	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.079	U	0.040	U	0.040	U	0.040	U					0.4 <sup>D</sup>	U
		27-Jul-18	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.059	U	0.059	U	0.040	U	0.040	U					0.040	U
		24-Oct-18	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.04	U	0.04	U	0.040	U	0.040	U					0.040	U
		16-Jan-19	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.04	U	0.04	U	0.040	U	0.040	U					0.040	U
		12-Apr-19	0.040	U	0.040	U	0.040	U	0.040	U</																



Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School - Volatile Organic Compounds  
February 2008 - January 2024

Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)			
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	
			U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
		8-Feb-08	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U					0.080	U
		27-Mar-08	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U					0.080	U
		25-Apr-08	0.080	U	0.080	U	0.080	U	0.100	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U					0.080	U
		29-May-08	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U					0.080	U
		27-Jun-08	0.080	U	0.079	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U					0.079	U
		31-Jul-08	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		28-Aug-08	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.092	U	0.092	U	0.079	U					0.090	U
		30-Sep-08	5.900	U	5.900	U	5.900	U	5.900	U	5.900	U	5.900	U	5.900	U	5.900	U	5.900	U					5.900	U
		27-Oct-08	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U					2.000	U
		25-Nov-08	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U					2.000	U
		18-Dec-08	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U					2.000	U
		21-Jan-09	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U					2.000	U
		25-Feb-09	2.000	U	2.000	U	2.000	U	NS	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U					2.000	U
		26-Mar-09	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		29-Apr-09	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		22-Jul-09	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.127	U	0.079	U	0.079	U					0.079	U
		9-Oct-09	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		15-Jan-10	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		21-Apr-10	0.079	U	0.780	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		16-Jul-10	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		15-Oct-10	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		30-Nov-10	NS	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		26-Jan-11	0.135	U	0.135	U	0.135	U	0.135	U	0.135	U	0.134	U	0.135	U	0.135	U	0.135	U	0.135	U	0.135	U	0.135	U
		26-Jan-11**	NS	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U					0.200	U
		27-Apr-11	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		26-Jul-11	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		28-Oct-11	0.069	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U					0.040	U
		23-Jan-12	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U					0.140	U
		13-Apr-12	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U					0.079	U
		2-Jul-12 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					0.059	U
		20-Jun-12	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		1-Nov-12	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.040	U
		1-Feb-13	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.040	U
		29-Apr-13	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		9-Jul-13	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.040	U
		18-Oct-13	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		9-Jan-14	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		24-Apr-14	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.040	U
		1-Aug-14	0.079	U	0.079	U	0.079	U	0.120	U	0.500	U	0.079	U	0.079	U	0.079	U	0.079	U					0.160	U
		12-Sept-14 resamp	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					NS	U
		22-Oct-14	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U					0.240	U
		20-Jan-15	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.059	U	0.040	U					0.059	U
		30-Mar-15 resamp	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.046	U					NS	U
		22-Apr-15	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.040	U
		21-Jul-15	0.200	U	0.200	U	0.110	U	0.200	U	0.200	U	0.200	U	0.300	U	0.200	U	0.200	U					0.200	U
		23-Sept-15 resamp	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					NS	U
		29-Oct-15	0.200	U	0.510	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U					0.200	U
		4-Dec-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					NS	U
		27-Jan-16	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U					0.04	U
		20-Apr-16	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.040	U
		20-Jul-16	0.047	U	0.061	U	0.043	U	0.049	U	0.047	U	0.046	U	0.052	U	0.045	U	0.045	U					0.059	U
		21-Oct-16	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.040	U
		31-Jan-17	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.04	U
		17-Apr-17 <sup>4</sup>	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U					0.059	U
		26-Jul-17	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U					0.04	U
		12-Oct-17	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U					0.04	U
		10-Jan-18	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U					0.04	U
		11-Apr-18	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.079	U	0.040	U	0.040	U	0.040	U					0.040 <sup>P</sup>	U
		27-Jul-18	0.040	U	0.040	U	0.040	U	0.040	U	0.059	U	0.059	U	0.040	U	0.040	U	0.040	U					0.040	U
		24-Oct-18	0.040	U	0.040	U	0.040	U	0.040	U	0.04	U	0.04	U	0											

Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School - Volatile Organic Compounds  
February 2008 - January 2024

Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)			
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	
			U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	37.0	8-Feb-08	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U					0.080	U
		27-Mar-08	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		25-Apr-08	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		29-May-08	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U					0.080	U
		27-Jun-08	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.079	U	0.080	U	0.080	U					0.079	U
		31-Jul-08	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		28-Aug-08	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		30-Sep-08	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U					2.000	U
		27-Oct-08	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U					2.000	U
		25-Nov-08	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U					2.000	U
		18-Dec-08	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U					2.000	U
		21-Jan-09	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U					2.000	U
		25-Feb-09	2.000	U	2.000	U	2.000	U	NS	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U					2.000	U
		26-Mar-09	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		29-Apr-09	0.079	U	0.079	U	0.091	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		22-Jul-09	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		9-Oct-09	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		15-Jan-10	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		21-Apr-10	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		16-Jul-10	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		15-Oct-10	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		30-Nov-10	NS	U	0.079	U	0.079	U	NS	U	NS	U	NS	U	NS	U	0.079	U	NS	U					NS	U
		26-Jan-11	0.135	U	0.135	U	0.135	U	0.135	U	0.135	U	0.134	U	0.135	U	0.135	U	NS	U	0.135	U	0.135	U	0.135	U
		26-Jan-11**	NS	U	0.200	U	0.200	U	NS	U	NS	U	NS	U	NS	U	0.200	U	NS	U					NS	U
		27-Apr-11	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		26-Jul-11	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		28-Oct-11	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U					0.040	U
		23-Jan-12	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U					0.140	U
		13-Apr-12	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U					0.079	U
		2-Jul-12 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					0.059	U
		20-Jun-12	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		1-Nov-12	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.040	U
		1-Feb-13	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.040	U
		29-Apr-13	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.040	U
		9-Jul-13	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.040	U
		18-Oct-13	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		9-Jan-14	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					0.079	U
		24-Apr-14	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.079	U	0.040	U	0.040	U	0.079	U					0.040	U
		1-Aug-14	0.079	U	0.079	U	0.079	U	0.120	U	0.250	U	0.079	U	0.079	U	0.079	U	0.079	U					0.090	U
		12-Sept-14 resamp	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.040	U	NS	U					NS	U
		22-Oct-14	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U					0.059	U
		20-Jan-15	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.059	U	0.059	U					0.040	U
		30-Mar-15 resamp	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.046	U					NS	U
		22-Apr-15	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.040	U
		21-Jul-15	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.300	U	0.200	U					0.200	U
		23-Sept-15 resamp	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.200	U	NS	U					NS	U
		29-Oct-15	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U					0.200	U
		4-Dec-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					NS	U
		27-Jan-16	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U					0.04	U
		20-Apr-16	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.040	U
		20-Jul-16	0.047	U	0.061	U	0.043	U	0.049	U	0.047	U	0.046	U	0.046	U	0.052	U	0.045	U					0.059	U
		21-Oct-16	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.040	U
		31-Jan-17	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U					0.04	U
		17-Apr-17	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U					0.059	U
		26-Jul-17	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U					0.04	U
		12-Oct-17	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U					0.04	U
		10-Jan-18	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U					0.04	U
		11-Apr-18	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.079	U	0.040	U	0.040	U					0.4 <sup>D</sup>	U
		27-Jul-18	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.059	U	0.059	U	0.040	U	0.040	U					0.040	U
		24-Oct-18	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.04	U	0.04	U	0.040	U	0.040	U					0.040	U
		16-Jan-19	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.04	U	0.04	U	0.040	U	0.040	U					0.040	U
		12-Apr-19	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.04	U	0.04	U	0.040	U	0.040	U					0.040	U
		29-Jul-19	0.056	U	0.040																					



Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School - Volatile Organic Compounds  
February 2008 - January 2024

Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)				
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual		
			U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
cis-1,3-Dichloropropene	None	8-Feb-08	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U					0.090	U	
		27-Mar-08	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U					0.091	U	
		25-Apr-08	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U					0.091	U	
		29-May-08	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U					0.090	U	
		27-Jun-08	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.185	U	0.090	U					0.091	U	
		31-Jul-08	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U					0.091	U	
		28-Aug-08	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U					0.091	U	
		30-Sep-08	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U					0.180	U	
		27-Oct-08	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U					0.180	U	
		25-Nov-08	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U					0.180	U	
		18-Dec-08	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U					0.180	U	
		21-Jan-09	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U					0.180	U	
		25-Feb-09	0.180	U	0.180	U	0.180	U	0.180	U	NS	U	0.180	U	0.180	U	0.180	U	0.180	U					0.180	U	
		26-Mar-09	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U					0.091	U	
		29-Apr-09	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U					0.091	U	
		22-Jul-09	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U					0.091	U	
		9-Oct-09	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U					0.091	U	
		15-Jan-10	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U					0.091	U	
		21-Apr-10	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U					0.091	U	
		16-Jul-10	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U					0.091	U	
		15-Oct-10	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U					0.091	U	
		30-Nov-10	NS	U	0.091	U	0.091	U	0.091	U	NS	U	NS	U	NS	U	0.091	U	NS	U					NS	U	
		26-Jan-11	0.155	U	0.154	U	0.155	U	0.154	U	0.154	U	0.155	U	0.154	U	0.154	U	0.155	U		0.154	U	0.155	U	0.154	U
		26-Jan-11**	NS	U	0.230	U	0.230	U	0.230	U	NS	U	NS	U	NS	U	0.230	U	NS	U					NS	U	
		27-Apr-11	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U					0.091	U	
		26-Jul-11	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U					0.091	U	
		28-Oct-11	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U					0.091	U	
		23-Jan-12	0.160	U	0.160	U	0.160	U	0.160	U	0.160	U	0.160	U	0.160	U	0.160	U	0.160	U					0.160	U	
		13-Apr-12	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U					0.091	U	
		2-Jul-12 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					0.068	U	
		20-Jun-12	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U					0.091	U	
		1-Nov-12	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U					0.045	U	
		1-Feb-13	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U					0.045	U	
		29-Apr-13	0.045	U	0.250	U	0.045	U	0.045	U	0.045	U	0.250	U	0.045	U	0.450	U	0.045	U					0.045	U	
		9-Jul-13	0.045	U	0.250	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U					0.045	U	
		9-Jul-13 RIDEM	NS	U	NS	U	NS	U	NS	U	NS	U	0.026	U	NS	U	NS	U	NS	U					0.026	U	
		18-Oct-13	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U					0.091	U	
		9-Jan-14	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U					0.091	U	
		24-Apr-14	0.045	U	0.045	U	0.045	U	0.045	U	0.040	U	0.091	U	0.045	U	0.045	U	0.045	U					0.045	U	
		1-Aug-14	0.091	U	0.091	U	0.091	U	0.091	U	0.140	U	1.000	U	0.091	U	0.091	U	0.091	U					0.091	U	
		12-Sept-14 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					NS	U	
		22-Oct-14	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U					0.068	U	
		20-Jan-15	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.068	U	0.046	U					0.068	U	
		30-Mar-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					NS	U	
		22-Apr-15	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U					0.045	U	
		21-Jul-15	0.200	U	0.200 ^	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U					0.300	U	
		23-Sept-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					NS	U	
		29-Oct-15	0.300	U	0.200	U	0.200	U	0.300	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U					0.300	U	
		4-Dec-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					NS	U	
		27-Jan-16	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U					0.045	U	
		20-Apr-16 ^	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U					0.045	U	
		20-Jul-16	0.054	U	0.07	U	0.049	U	0.056	U	0.054	U	0.053	U	0.060	U	0.051	U	0.051	U					0.068	U	
		21-Oct-16	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U					0.045	U	
		31-Jan-17	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U					0.045	U	
		17-Apr-17 ^	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U					0.068	U	
		26-Jul-17	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U					0.045	U	
		12-Oct-17	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U					0.045	U	
		10-Jan-18	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U					0.045	U	
		11-Apr-18	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.091	U	0.045	U	0.045	U					0.45 <sup>D</sup>	U	
		27-Jul-18	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.068	U	0.068	U	0.045	U	0.045	U					0.045	U	
24-Oct-18	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U					0.045	U			
16-Jan-19	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U					0.045	U			
12-Apr-19	0.04																										

Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School - Volatile Organic Compounds  
February 2008 - January 2024

Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)				
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual		
			U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
trans-1,3-Dichloropropene	None	8-Feb-08	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U					0.090	U	
		27-Mar-08	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U					0.091	U	
		25-Apr-08	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U					0.091	U	
		29-May-08	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U					0.090	U	
		27-Jun-08	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.340	U	0.090	U					0.091	U	
		31-Jul-08	0.090	U	0.090	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U					0.091	U	
		28-Aug-08	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U					0.091	U	
		27-Oct-08	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U					0.180	U	
		27-Oct-08	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U					0.180	U	
		25-Nov-08	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U					0.180	U	
		18-Dec-08	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U					0.180	U	
		21-Jan-09	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U					0.180	U	
		25-Feb-09	0.180	U	0.180	U	0.180	U	0.180	U	NS	U	0.180	U	0.180	U	0.180	U	0.180	U					0.180	U	
		26-Mar-09	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U					0.091	U	
		29-Apr-09	0.091	U	0.091	U	0.107	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U					0.091	U	
		22-Jul-09	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U					0.091	U	
		9-Oct-09	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U					0.091	U	
		15-Jan-10	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U					0.091	U	
		21-Apr-10	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U					0.091	U	
		16-Jul-10	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U					0.091	U	
		15-Oct-10	0.091	U	0.092	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U					0.091	U	
		30-Nov-10	NS	U	0.091	U	0.091	U	0.091	U	NS	U	NS	U	NS	U	0.091	U	NS	U					NS	U	
		26-Jan-11	0.155	U	0.154	U	0.155	U	0.154	U	0.154	U	0.155	U	0.154	U	0.154	U	0.155	U		0.154	U	0.155	U	0.154	U
		26-Jan-11**	NS	U	0.230	U	0.230	U	0.230	U	NS	U	NS	U	NS	U	0.230	U	NS	U					NS	U	
		27-Apr-11	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U					0.091	U	
		26-Jul-11	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U					0.091	U	
		28-Oct-11	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U					0.045	U	
		23-Jan-12	0.160	U	0.160	U	0.160	U	0.160	U	0.160	U	0.160	U	0.160	U	0.160	U	0.160	U					0.160	U	
		13-Apr-12	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U					0.091	U	
		2-Jul-12 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					0.068	U	
		20-Jun-12	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U					0.091	U	
		1-Nov-12	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U					0.045	U	
		1-Feb-13	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U					0.045	U	
		29-Apr-13	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U					0.045	U	
		9-Jul-13	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U					0.045	U	
		9-Jul-13 RIDEM	NS	U	NS	U	NS	U	NS	U	NS	U	0.049	U	NS	U	NS	U	NS	U					0.049	U	
		18-Oct-13	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U					0.091	U	
		9-Jan-14	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U					0.091	U	
		24-Apr-14	0.045	U	0.045	U	0.045	U	0.045	U	0.040	U	0.091	U	0.045	U	0.045	U	0.045	U					0.045	U	
		1-Aug-14	0.091	U	0.091	U	0.091	U	0.140	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U					0.091	U	
		12-Sept-14 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					NS	U	
		22-Oct-14	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U					0.068	U	
		20-Jan-15	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U					0.045	U	
		30-Mar-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					NS	U	
		22-Apr-15	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U					0.045	U	
		21-Jul-15	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U					0.300	U	
		23-Sept-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					NS	U	
		29-Oct-15	0.300	U	0.200	U	0.200	U	0.300	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U					0.300	U	
		4-Dec-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					NS	U	
		27-Jan-16	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U					0.045	U	
		20-Apr-16 <sup>6</sup>	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U					0.045	U	
		20-Jul-16	0.054	U	0.07	U	0.049	U	0.056	U	0.054	U	0.053	U	0.060	U	0.051	U	0.051	U					0.068	U	
		21-Oct-16	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U					0.045	U	
		31-Jan-17	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U					0.045	U	
		17-Apr-17 <sup>4</sup>	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U					0.068	U	
		26-Jul-17	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U					0.045	U	
		12-Oct-17	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U					0.045	U	
		10-Jan-18	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U					0.045	U	
		11-Apr-18	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.091	U	0.045	U	0.045	U					0.45 <sup>D</sup>	U	
		27-Jul-18	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.068	U	0.068	U	0.045	U	0.045	U					0.045	U	
		24-Oct-18	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U					0.045	U	
		16-Jan-19	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U					0.045	U	
		12-Apr-19																									

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Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)			
			Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
		8-Feb-08	0.260		0.230		0.620		0.450		0.250		0.170		0.160		0.180							0.220		
		27-Mar-08	0.841		0.669		1.020		0.869		0.894		1.000		0.628		0.619							0.096		
		25-Apr-08	0.770		0.637		2.200		0.711		0.678		0.712		0.705		0.650							0.087	U	
		29-May-08	0.140		0.120		1.310		0.620		0.120		0.160		0.150		0.110							0.090	U	
		27-Jun-08	0.555		0.412		1.080		0.987		0.478		0.400		0.802		0.360							0.369		
		31-Jul-08	0.553		0.449		1.140		0.424		0.426		0.491		0.262		0.216							0.255		
		28-Aug-08	0.868		1.150		3.010		2.820		0.761		0.854		0.870		0.783							0.944		
		30-Sep-08	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	15.500	U					2.200	U		
		27-Oct-08	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U					2.200	U		
		25-Nov-08	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U					2.200	U		
		18-Dec-08	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U					2.200	U		
		21-Jan-09	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U					2.200	U		
		25-Feb-09	2.200	U	2.200	U	3.600	U	NS	U	2.200	U	2.200	U	2.200	U	2.200	U					2.200	U		
		26-Mar-09	0.932		0.803		1.120		1.060		0.511		0.648		0.738		0.589						0.727			
		29-Apr-09	0.195		0.234		0.633		0.538		0.195		0.139		0.139		0.152						0.178			
		22-Jul-09	0.442		0.212		1.090		0.291		0.551		0.625		0.807		0.542						1.180			
		9-Oct-09	0.859		0.759		1.090		1.030		0.794		0.668		0.681		0.633						0.746			
		15-Jan-10	0.447		0.334		0.386		0.351		0.321		0.256		0.273		0.252						0.286			
		21-Apr-10	0.468		0.716		1.280		0.612		0.681		0.603		0.542		0.538						0.087	U		
		16-Jul-10	0.334		0.226		0.416		0.408		0.573		0.286		0.872		0.260						0.143			
		15-Oct-10	0.252		0.308		0.412		0.152		0.126		0.087	U	0.200		0.087						0.121			
		30-Nov-10	NS		0.217		0.338		NS		NS		NS		0.108		NS						NS			
		26-Jan-11	1.040		1.000		1.100		1.220		1.000		1.100		0.951		1.320				0.988	0.466	1.300			
		26-Jan-11**	NS		1.600		1.800		NS		NS		NS		1.800		NS						NS			
		27-Apr-11	0.108		0.139		0.625		0.221		0.837		0.087		0.200		0.087						0.091			
		26-Jul-11	0.473		1.020		0.873		0.417		0.300		0.191		0.356		0.178						0.161			
		28-Oct-11	0.600		0.320		0.400		0.230		0.480		0.490		0.490		0.420						0.130			
		23-Jan-12	0.610		0.480		0.470		0.660		0.580		0.560		0.560		0.540						0.540			
		13-Apr-12	0.300		0.250		0.300		0.240		0.250		0.280		0.240		0.200						0.170	U		
		2-Jul-12 resample	NS		NS		NS		NS		NS		NS		NS		0.130						0.130	U		
		20-Jun-12	0.490		0.500		0.490		0.560		0.550		0.460		0.530		0.470						0.470			
		1-Nov-12	0.760		0.440		0.330		0.530		0.450		0.730		0.810		0.630						0.130			
		1-Feb-13	0.130		0.087		0.087		0.087		0.110		0.089		0.190		0.087						0.130			
		29-Apr-13	0.760		0.540	U	0.540	U	0.540	U	0.670	U	0.430	U	1.600	U	0.530	U					0.150			
		9-Jul-13	0.340		0.320		0.310		0.330		0.390		0.310		0.350		0.320						0.310			
		9-Jul-13 RIDEM	NS		NS		NS		NS		0.464		NS		NS		NS						0.330			
		18-Oct-13	0.710		0.096		0.110		0.540		0.770		0.120		1.400		0.900						0.430			
		9-Jan-14	3.100		4.500		0.160		0.170		0.170		0.160		0.570		0.210						0.140			
		24-Apr-14	0.110		0.096		0.087		0.087	U	0.087	U	0.087	U	0.150		0.120						0.087	U		
		1-Aug-14	0.190		0.150		0.360		0.400		0.470		0.200		0.650		0.460						0.280			
		12-Sept-14 resample	NS		NS		NS		NS		NS		NS		0.150		NS						NS			
		22-Oct-14	0.160		0.140		0.130		0.130	U	0.130	U	0.130	U	0.130	U	0.130	U					0.210			
		20-Jan-15	0.130		0.130		0.110		0.170		0.130		0.160		0.230		0.240						0.210			
		30-Mar-15 resample	NS		NS		NS		NS		NS		NS		NS		NS						NS			
		22-Apr-15	0.520		0.560		0.560		0.460		0.710		0.420		0.610		0.620						0.180			
		21-Jul-15	0.590		0.260 ^		0.270		0.260		0.290		0.320		0.380		0.230						0.160 ^			
		23-Sept-15 resample	NS		NS		NS		NS		NS		NS		0.140 ^		NS						NS			
		29-Oct-15	0.300	U	0.590	U	1.800	U	0.150 ^	U	0.200	U	0.180 ^	U	0.340	U	0.110 ^	U					0.300	U		
		4-Dec-15 resample	NS		0.200		NS		NS		NS		NS		NS		NS						NS			
		27-Jan-16	0.21		0.087	U	0.13	U	0.087	U	0.087	U	0.17	U	0.13	U	0.1	U					0.1			
		20-Apr-16 ^	0.1		0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U					0.087	U		
		20-Jul-16	0.41		0.33		0.49		0.49		0.34		0.39		0.48		0.27						0.13	U		
		21-Oct-16	0.44		0.56		0.32		0.69		0.29		0.31		0.15		0.30						2.4			
		31-Jan-17	0.14		0.11		0.13		0.12		0.13		0.11		0.11		0.12						0.13			
		17-Apr-17 ^	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U					0.13	U		
		26-Jul-17	0.29		0.3		0.36		0.35		0.34		0.33		0.32		0.32						0.089			
		12-Oct-17	0.087	U	0.14	U	0.26	U	0.23	U	0.14	U	0.17	U	0.13	U	0.15	U					0.087	U		
		10-Jan-18	0.29		0.56		0.47		0.53		0.24		0.25		0.58		0.30						0.087	U		
		11-Apr-18	0.26		0.20		0.17		0.19		0.15		0.16		0.14		0.19						0.43 <sup>D</sup>	U		
		27-Jul-18	0.12		0.16		0.17		0.17		0.13		1.1		0.17		0.15						0.11			
		24-Oct-18	0.43		0.15		0.19		0.2		0.13		0.22		0.11		0.087						0.11			
		16-Jan-19	0.26		0.2		0.2		0.19		0.21		0.24		0.22		0.13						0.094			
		12-Apr-19	0.18		0.1		0.087	U	0.11	U	0.097	U	0.092	U	0.12	U	0.12	U					0.099			
		29-Jul-19	0.29		0.14		0.13		0.17		0.19		0.22		0.24		0.14						0.14			
		29-Oct-19	NS		0.11		0.13		0.13		0.13		0.14		0.14		NS						0.11			
		1-Nov-19	0.17		NS		NS		NS		NS		NS		NS		0.21						NS			
		21-Jan-20	0.19		0.15		0.18		0.16		0.17		0.19		0.15		0.12						0.14			
		22-Apr-20	0.087		0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U					0.087	U		
		23-Jul-20	0.14	U	0.09	U	0.11	U	0.1	U	0.13	U	0.1	U	0.15	U	0.14	U					0.087	U		
		29-Oct-20	0.39		0.39		0.34		0.44		0.45		0.44		0.5		0.59						0.44	U		
		19-Jan-21	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U					0.087	U		
		15-Apr-21	0.0																							



**Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School - Volatile Organic Compounds  
February 2008 - January 2024**

Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)			
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	
			U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
		8-Feb-08	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U				2.740	U	
		27-Mar-08	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U				2.740	U	
		25-Apr-08	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U				2.740	U	
		29-May-08	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U				2.740	U	
		27-Jun-08	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U				2.740	U	
		31-Jul-08	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U				2.740	U	
		28-Aug-08	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U				2.740	U	
		30-Sep-08	5.500	U	5.500	U	5.5	U	5.500	U	6.400	U	5.500	U	5.500	U	67.000	U	5.500	U				5.500	U	
		25-Nov-08	5.500	U	5.500	U	5.500	U	5.500	U	5.5	U	5.500	U	5.500	U	5.500	U	5.500	U				5.500	U	
		25-Nov-08	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U				5.500	U	
		18-Dec-08	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U				5.500	U	
		21-Jan-09	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U				5.500	U	
		25-Feb-09	5.500	U	5.500	U	5.500	U	NS	U	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U				5.500	U	
		26-Mar-09	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U				2.740	U	
		29-Apr-09	2.740	U	2.740	U	0.274	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U				2.740	U	
		22-Jul-09	2.740	U	2.740	U	3.890	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U				2.740	U	
		9-Oct-09	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U				2.740	U	
		15-Jan-10	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U				2.740	U	
		21-Apr-10	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U				2.740	U	
		16-Jul-10	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U				2.740	U	
		15-Oct-10	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U				2.740	U	
		30-Nov-10	NS	U	2.740	U	2.740	U	NS	U	NS	U	NS	U	2.740	U	NS	U	NS	U				NS	U	
		26-Jan-11	4.668	U	4.660	U	4.680	U	4.670	U	4.680	U	4.660	U	4.660	U	4.680	U	4.660	U	4.660	U	4.680	U	4.660	U
		26-Jan-11**	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U				NS	U	
		27-Apr-11	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U				2.740	U	
		26-Jul-11	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U				2.740	U	
		28-Oct-11	0.380	U	0.380	U	0.380	U	0.380	U	0.380	U	0.380	U	0.380	U	0.380	U	0.380	U				0.380	U	
		23-Jan-12	0.080	U	0.440	U	0.440	U	0.440	U	0.440	U	0.440	U	0.440	U	0.440	U	0.440	U				0.440	U	
		13-Apr-12	0.380	U	0.380	U	0.380	U	0.380	U	0.380	U	0.380	U	0.380	U	0.380	U	0.380	U				0.380	U	
		2-Jul-12 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U				0.380	U	
		20-Jun-12	0.250	U	2.000	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U				0.250	U	
		1-Nov-12	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U				0.250	U	
		1-Feb-13	0.290	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U				0.250	U	
		29-Apr-13	0.480	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U				0.250	U	
		9-Jul-13	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U				0.250	U	
		18-Oct-13	0.250	U	0.250	U	0.250	U	0.250	U	0.320	U	0.250	U	0.250	U	0.250	U	0.370	U				0.250	U	
		9-Jan-14	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U				0.250	U	
		24-Apr-14	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U				0.250	U	
		1-Aug-14	0.250	U	0.250	U	0.250	U	0.380	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U				0.250	U	
		12-Sept-14 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.250	U	NS	U				NS	U	
		22-Oct-14	0.380 <sup>+</sup>	U	0.380 <sup>+</sup>	U	0.380 <sup>+</sup>	U	0.380 <sup>+</sup>	U	0.380 <sup>+</sup>	U	0.380 <sup>+</sup>	U	0.380 <sup>+</sup>	U	0.380 <sup>+</sup>	U	0.380 <sup>+</sup>	U				0.380 <sup>+</sup>	U	
		20-Jan-15	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U				0.380	U	
		30-Mar-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.290	U				NS	U	
		22-Apr-15	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U				0.250	U	
		21-Jul-15	0.170 <sup>+</sup>	U	0.300 <sup>+</sup>	U	0.300	U	0.300	U	0.300	U	0.300	U	0.400	U	0.300	U	0.300	U				-	U	
		23-Sept-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.300	U	NS	U	NS	U				NS	U	
		29-Oct-15	0.300	U	0.250 <sup>+</sup>	U	0.300	U	0.300	U	0.300	U	0.300	U	0.160 <sup>+</sup>	U	0.300	U	0.300	U				0.300	U	
		4-Dec-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U				NS	U	
		27-Jan-16	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U				0.25	U	
		20-Apr-16 <sup>+</sup>	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U				0.25	U	
		20-Jul-16	0.30	U	0.39	U	0.27	U	0.31	U	0.30	U	0.29	U	0.33	U	0.28 <sup>NS</sup>	U	0.37	U				0.37	U	
		21-Oct-16	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U				0.25	U	
		31-Jan-17	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U				0.25	U	
		17-Apr-17 <sup>+</sup>	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U				0.38	U	
		26-Jul-17	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U				0.25	U	
		12-Oct-17	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U				0.25	U	
		10-Jan-18	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.27	U	0.25	U	0.25	U	0.25	U				0.25	U	
		11-Apr-18	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U				1.3 <sup>D</sup>	U	
		27-Jul-18	0.25	U	0.25	U	0.25	U	0.25	U	0.38	U	1.1	U	0.25	U	0.25	U	0.25	U				0.25	U	
		24-Oct-18	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U				0.25	U	
		16-Jan-19	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U				0.25	U	
		12-Apr-19	0.																							



Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School - Volatile Organic Compounds  
February 2008 - January 2024

Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)			
			Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
		8-Feb-08	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U					0.070	U
		27-Mar-08	0.440	U	0.102	U	0.102	U	0.091	U	0.095	U	0.098	U	0.102	U	0.090	U							0.072	U
		25-Apr-08	0.116	U	0.107	U	0.107	U	0.127	U	0.126	U	0.131	U	0.131	U	0.113	U							0.072	U
		29-May-08	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U							0.070	U
		27-Jun-08	0.072	U	0.070	U	0.070	U	0.074	U	0.070	U	0.070	U	0.070	U	0.070	U							0.072	U
		31-Jul-08	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U							0.072	U
		28-Aug-08	0.095	U	0.130	U	0.123	U	0.123	U	0.091	U	0.106	U	0.115	U	0.089	U							0.094	U
		30-Sep-08	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U							1.800	U
		27-Oct-08	1.800	U	1.800	U	1.800	U	1.800	U	2.600	U	2.300	U	1.800	U	1.800	U							1.800	U
		25-Nov-08	2.100	U	1.800	U	1.800	U	1.800	U	2.800	U	1.800	U	1.800	U	1.800	U							1.800	U
		18-Dec-08	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U							1.800	U
		21-Jan-09	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U							1.800	U
		25-Feb-09	1.800	U	2.700	U	1.800	U	NS	U	1.800	U	2.700	U	1.800	U	1.800	U							1.800	U
		26-Mar-09	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U							0.072	U
		29-Apr-09	0.072	U	0.072	U	2.350	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U							0.072	U
		22-Jul-09	0.072	U	0.072	U	0.223	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U							0.169	U
		9-Oct-09	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U							0.072	U
		15-Jan-10	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U							0.072	U
		21-Apr-10	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U							0.072	U
		16-Jul-10	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U							0.072	U
		15-Oct-10	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U							0.072	U
		30-Nov-10	NS	U	0.072	U	0.072	U	NS	U	NS	U	NS	U	0.072	U	NS	U							NS	U
		26-Jan-11	0.123	U	0.122	U	0.123	U	0.123	U	0.123	U	0.122	U	0.122	U	NS	U			0.122	U			0.122	U
		26-Jan-11**	NS	U	0.180	U	0.180	U	NS	U	NS	U	NS	U	0.180	U	NS	U							NS	U
		27-Apr-11	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U							0.072	U
		26-Jul-11	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U							0.072	U
		28-Oct-11	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U							0.072	U
		23-Jan-12	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U							0.130	U
		13-Apr-12	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U							0.140	U
		2-Jul-12 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U							0.110	U
		20-Jun-12	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U							0.072	U
		1-Nov-12	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U							0.072	U
		1-Feb-13	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U							0.072	U
		29-Apr-13	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U							0.072	U
		9-Jul-13	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U							0.072	U
		9-Jul-13 RIDEM	NS	U	NS	U	NS	U	NS	U	0.041	U	NS	U	NS	U	NS	U							0.200	U
		18-Oct-13	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U							0.072	U
		9-Jan-14	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U							0.072	U
		24-Apr-14	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U							0.072	U
		1-Aug-14	0.072	U	0.072	U	0.072	U	0.110	U	0.072	U	0.072	U	0.072	U	0.072	U							0.072	U
		12-Sept-14 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U							NS	U
		22-Oct-14	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U							0.110	U
		20-Jan-15	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.110	U	0.072	U							0.110	U
		30-Mar-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U							NS	U
		22-Apr-15	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U							0.072	U
		21-Jul-15	0.180	U	0.200	U	0.200	U	0.550	U	0.200	U	0.200	U	0.200	U	0.200	U							0.200	U
		23-Sept-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.200	U	NS	U							NS	U
		29-Oct-15	0.200	U	0.230	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U							0.200	U
		4-Dec-15 resample	NS	U	0.200	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U							NS	U
		27-Jan-16	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U							0.072	U
		20-Apr-16	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U							0.072	U
		20-Jul-16	0.086	U	0.11	U	0.078	U	0.088	U	0.086	U	0.084	U	0.095	U	0.081	U							0.11	U
		21-Oct-16	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U							0.072	U
		31-Jan-17	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U							0.072	U
		17-Apr-17	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U							0.11	U
		26-Jul-17	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U							0.072	U
		12-Oct-17	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U							0.072	U
		10-Jan-18	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U							0.072	U
		11-Apr-18	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U							0.36 <sup>D</sup>	U
		27-Jul-18	0.072	U	0.072	U	0.072	U	0.072	U	0.11	U	0.95	U	0.072	U	0.072	U							0.072	U
		24-Oct-18	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U							0.072	U
		16-Jan-19	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U							0.072	U
		12-Apr-19	0.072	U	0.072	U	0.072	U	0.072																	

Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School - Volatile Organic Compounds  
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Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)			
			Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Methylene chloride	3.0	8-Feb-08	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U					1.740	U
		27-Mar-08	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U					1.740	U
		25-Apr-08	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U					1.740	U
		29-May-08	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U					1.740	U
		27-Jun-08	1.740	U	1.740	U	1.740	U	1.740	U	3.210	U	1.740	U	6.940	U	1.740	U	1.740	U					19.000	U
		31-Jul-08	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U					1.740	U
		28-Aug-08	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U					1.740	U
		30-Sep-08	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U					1.700	U
		27-Oct-08	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U					1.700	U
		25-Nov-08	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U					1.700	U
		18-Dec-08	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U					1.700	U
		21-Jan-09	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U					1.700	U
		25-Feb-09	1.700	U	1.700	U	1.700	U	1.700	U	NS	U	1.700	U	1.700	U	1.700	U	1.700	U					1.700	U
		26-Mar-09	7.540	U	1.870	U	4.010	U	2.100	U	2.100	U	1.850	U	3.230	U	4.060	U	1.990	U					11.600	U
		29-Apr-09	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	0.147	U	1.740	U	1.740	U					1.740	U
		22-Jul-09	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U					1.740	U
		9-Oct-09	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U					1.740	U
		15-Jan-10	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U					1.740	U
		21-Apr-10	5.410	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U					1.740	U
		16-Jul-10	18.400	U	23.300	U	16.900	U	13.900	U	19.900	U	48.200	U	46.700	U	22.200	U							20.600	U
		15-Oct-10	3.470	U	4.440	U	4.510	U	3.470	U	3.470	U	3.470	U	5.840	U	3.470	U							3.470	U
		30-Nov-10	NS	U	3.570	U	11.600	U	NS	U	NS	U	NS	U	5.770	U	NS	U							NS	U
		26-Jan-11	4.530	U	2.950	U	2.960	U	2.960	U	2.960	U	2.950	U	5.290	U	2.960	U			4.880		2.960	U	2.950	U
		26-Jan-11**	NS	U	2.500	U	1.700	U	NS	U	NS	U	NS	U	1.600	U	NS	U							NS	U
		27-Apr-11	3.470	U	3.470	U	3.470	U	3.470	U	3.470	U	3.470	U	5.040	U	3.470	U							3.470	U
		26-Jul-11	3.470	U	5.800	U	4.240	U	NS	U	3.470	U	3.470	U	3.470	U	3.510	U	10.200	U					5.380	U
		28-Oct-11	1.900	U	1.900	U	1.800	U	1.900	U	1.000	U	1.200	U	5.700	U	5.500	U							0.690	U
		23-Jan-12	2.500	U	1.200	U	2.300	U	2.200	U	2.500	U	6.300	U	1.900	U	1.200	U							1.900	U
		13-Apr-12	5.800	U	4.600	U	3.100	U	1.100	U	1.000	U	1.700	U	1.000	U	50.000	U							53.000	U
		2-Jul-12 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U							1.000	U
		20-Jun-12	0.920	U	1.600	U	0.880	U	1.300	U	1.200	U	1.400	U	1.100	U	1.400	U							1.700	U
		1-Nov-12	0.690	U	1.200	U	0.750	U	0.690	U	0.690	U	0.760	U	1.200	U	0.690	U							1.200	U
		1-Feb-13	0.800	U	0.690	U	0.690	U	0.690	U	0.810	U	2.200	U	0.810	U	0.760	U							0.690	U
		29-Apr-13	1.400	U	0.950	U	0.950	U	1.200	U	1.200	U	1.100	U	1.400	U	1.100	U							1.500	U
		9-Jul-13	1.100	U	0.730	U	0.990	U	1.800	U	0.890	U	1.300	U	1.800	U	0.850	U							1.200	U
		9-Jul-13 RIDEM	NS	U	NS	U	NS	U	NS	U	0.298	U	NS	U	NS	U	NS	U							0.477	U
		18-Oct-13	0.730	U	0.690	U	0.780	U	0.760	U	0.690	U	0.740	U	0.840	U	0.690	U							0.710	U
		9-Jan-14	0.690	U	0.880	U	0.690	U	2.000	U	0.690	U	1.100	U	1.400	U	0.810	U							3.700	U
		24-Apr-14	0.690	U	0.690	U	3.000	U	0.690	U	3.000	U	0.690	U	0.690	U	260 <sup>F</sup>	U							0.690	U
		1-Aug-14	2.800	U	1.500	U	1.300	U	1.900	U	4.300	U	1.800	U	1.600	U	2.000	U							2.200	U
		12-Sept-14 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	1.000	U	NS	U							NS	U
		22-Oct-14	1.800	U	2.600	U	1.500	U	1.200	U	1.200	U	1.700	U	1.400	U	3.100	U							1.300	U
		20-Jan-15	28.000	U	27.000	U	2.900	U	29.000	U	25.000	U	30.000	U	37.000	U	0.690	U							40.000	U
		30-Mar-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	1.300	U							NS	U
		22-Apr-15	1.800	U	1.400	U	1.100	U	1.500	U	1.200	U	1.100	U	1.000	U	0.890	U							0.870	U
		21-Jul-15	4.800	U	1.100	U	1.600	U	20.000	U	1.500	U	1.500	U	1.700	U	1.900	U							1.600	U
		23-Sept-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U							NS	U
		29-Oct-15	2.100	U	12.000	U	1.500	U	1.800	U	1.400	U	1.400	U	23.000	U	1.200	U							5.000	U
		4-Dec-15 resample	NS	U	0.840	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U							NS	U
		27-Jan-16	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U							0.69	U
20-Apr-16	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U							0.69	U		
20-Jul-16	1.2	U	1.1	U	0.75	U	1.2	U	0.83	U	0.81	U	0.92	U	0.78	U							2.4	U		
21-Oct-16	1.4	U	0.95	U	1.1	U	0.72	U	1.1	U	0.69	U	1.2	U	4.6	U							0.69	U		
31-Jan-17	0.7	U	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U							0.69	U		
17-Apr-17	1.0	U	1.8	U	1	U	1	U	1	U	1	U	1	U	1	U							1.3	U		
26-Jul-17	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U	0.77	U							0.69	U		
12-Oct-17	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U	1.3	U	0.69	U	0.69	U							1.2	U		
10-Jan-18	0.69	U	0.69	U	0.69	U	0.76	U	1.0	U	0.69	U	0.74	U	0.70	U							0.69	U		
11-Apr-18	1.30	U	0.70	U	0.92	U	0.90	U	4.8	U	0.69	U	0.69	U	1.00	U							3.5 <sup>D</sup>	U		
27-Jul-18	1.2	U	1.3	U	0.85	U	0.69	U	1	U	1	U	0.69	U	0.9	U							0.69	U		
24-Oct-18	0.69	U	0.69	U	0.69	U	0.69	U	1.3	U	0.69	U	0.69	U	0.69	U							0.69	U		
16-Jan-19	0.69	U	0.69	U	0.69	U	0.69	U	0.87	U	0.69	U	0.69	U	0.72	U							0.69	U		
12-Apr-19	1.5	U	1.4	U	2	U	1.6	U	1.2	U	1.5	U	1.5	U	1.3	U							1.2	U		
29-Jul-19	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U							5.4	U		
29-Oct-19	NS	U	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U	NS	U							0.69	U		

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			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	
			U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
		8-Feb-08	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U				2.050	U	
		27-Mar-08	2.050	U	2.105	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U				2.050	U	
		25-Apr-08	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U				2.050	U	
		29-May-08	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U				2.050	U	
		27-Jun-08	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U				2.050	U	
		31-Jul-08	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U				2.050	U	
		28-Aug-08	2.050	U	2.050	U	2.050	U	2.540	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U				2.050	U	
		30-Sep-08	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U				2.000	U	
		27-Oct-08	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U				2.000	U	
		25-Nov-08	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U				2.000	U	
		18-Dec-08	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U				2.000	U	
		21-Jan-09	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U				2.000	U	
		25-Feb-09	2.000	U	2.000	U	2.000	U	NS		2.600	U	2.000	U	2.000	U	2.000	U	2.000	U				2.000	U	
		26-Mar-09	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U				2.050	U	
		29-Apr-09	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U				2.050	U	
		22-Jul-09	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U				2.050	U	
		9-Oct-09	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U				2.050	U	
		15-Jan-10	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U				2.050	U	
		21-Apr-10	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.250	U	2.250	U				2.050	U	
		16-Jul-10	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U				2.050	U	
		15-Oct-10	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U				2.050	U	
		30-Nov-10	NS		2.050	U	2.050	U	NS		NS		NS		NS		NS		NS					NS		
		26-Jan-11	3.490	U	3.480	U	3.490	U	3.480	U	3.490	U	59.500	U	3.480	U	3.480	U	6.760	U	3.480	U	3.490	U	3.480	U
		26-Jan-11**	NS		0.200	U	0.200	U	NS		NS		NS		0.200	U	NS		NS					NS		
		27-Apr-11	2.050	U	2.050	U	2.050	U	2.050	U	2.930	U	2.050	U	2.050	U	2.050	U	2.050	U				2.050	U	
		26-Jul-11	11.700	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U				2.050	U	
		28-Oct-11	2.100	U	0.490	U	0.840	U	0.560	U	0.800	U	0.930	U	1.500	U	1.200	U	1.200	U				0.390	U	
		23-Jan-12	0.140	U	0.140	U	0.210	U	0.190	U	26.000	U	2.900	U	0.230	U	270.000	U	0.230	U				0.540	U	
		13-Apr-12	0.120	U	0.120	U	0.200	U	0.120	U	0.150	U	0.230	U	0.120	U	0.140	U	0.140	U				0.160	U	
		2-Jul-12 resample	NS		NS		NS		NS		NS		NS		NS		NS		NS					0.120	U	
		20-Jun-12	0.230	U	0.082	U	0.460	U	0.250	U	0.320	U	0.270	U	0.190	U	0.320	U	0.320	U				0.120	U	
		1-Nov-12	0.082	U	0.260	U	0.180	U	0.420	U	0.500	U	0.650	U	0.082	U	0.220	U	0.220	U				0.170	U	
		1-Feb-13	0.093	U	0.100	U	0.130	U	0.082	U	0.190	U	0.280	U	0.082	U	0.082	U	0.082	U				0.095	U	
		29-Apr-13	2.900	U	0.290	U	0.290	U	0.420	U	0.510	U	0.320	U	0.450	U	0.400	U	0.400	U				0.390	U	
		9-Jul-13	0.250	U	0.320	U	0.300	U	0.320	U	0.350	U	0.400	U	0.270	U	0.280	U	0.280	U				0.220	U	
		18-Oct-13	1.800	U	0.220	U	0.190	U	1.500	U	2.200	U	0.850	U	3.300	U	2.400	U	2.400	U				1.500	U	
		9-Jan-14	0.082	U	0.082	U	0.110	U	0.130	U	0.150	U	0.360	U	0.110	U	1.400	U	1.400	U				0.082	U	
		24-Apr-14	0.240	U	0.120	U	0.300	U	0.130	U	0.082	U	0.140	U	0.120	U	0.082	U	0.082	U				0.082	U	
		1-Aug-14	0.082 <sup>L</sup>	U	0.082 <sup>L</sup>	U	0.560 <sup>L</sup>	U	0.380 <sup>L</sup>	U	0.082 <sup>L</sup>	U	0.380	U	0.082 <sup>L</sup>	U	0.280	U	0.280	U				0.620	U	
		12-Sept-14 resample	NS		NS		NS		NS		NS		NS		NS		NS		NS					NS		
		22-Oct-14	0.120	U	0.120	U	0.170	U	0.140	U	0.280	U	1.200	U	0.120	U	0.250	U	0.250	U				0.120	U	
		20-Jan-15	0.500	U	0.570	U	0.610	U	0.800	U	0.560	U	0.800	U	0.550	U	0.310	U	0.310	U				1.700	U	
		30-Mar-15 resample	NS		NS		NS		NS		NS		NS		NS		0.440	U	0.440	U				NS		
		22-Apr-15	0.350	U	0.450	U	0.710	U	0.260	U	0.290	U	0.260	U	0.460	U	0.860	U	0.860	U				0.490	U	
		21-Jul-15	0.370	U	0.100 <sup>L</sup>	U	0.250	U	2.100	U	0.340	U	0.340	U	2.300	U	78.000	U	78.000	U				0.200	U	
		23-Sept-15 resample	NS		NS		NS		NS		NS		NS		NS		NS		NS					NS		
		29-Oct-15	0.200	U	0.310	U	0.110 <sup>L</sup>	U	0.280	U	0.200	U	2.100	U	0.220	U	1.400	U	1.400	U				0.200	U	
		4-Dec-15 resample	NS		NS		NS		NS		NS		NS		NS		NS		NS					NS		
		27-Jan-16	0.11	U	0.097	U	0.17	U	0.17	U	0.082	U	0.8	U	0.11	U	0.16	U	0.16	U				0.088	U	
		20-Apr-16 <sup>L</sup>	0.35	U	0.082	U	0.082	U	0.17	U	0.12	U	0.19	U	0.082	U	0.11	U	0.11	U				0.11	U	
		20-Jul-16	0.16	U	0.13	U	0.24	U	0.20	U	0.27	U	0.39	U	0.35	U	3.2	U	3.2	U				0.38	U	
		21-Oct-16	0.2	U	0.32	U	0.14	U	0.45	U	0.58	U	0.28	U	0.11	U	0.99	U	0.99	U				1.1	U	
		31-Jan-17	0.082	U	0.082	U	0.082	U	0.095	U	0.082	U	0.14	U	0.082	U	0.3	U	0.3	U				0.1	U	
		17-Apr-17 <sup>L</sup>	0.12	U	0.15	U	0.12	U	0.12	U	0.12	U	0.15	U	0.12	U	0.12	U	0.12	U				0.12	U	
		26-Jul-17	0.31	U	0.29	U	0.23	U	0.21	U	0.17	U	0.38	U	0.33	U	0.19	U	0.19	U				0.25	U	
		12-Oct-17	0.082	U	0.082	U	0.24	U	0.082	U	0.47	U	0.12	U	0.18	U	0.082	U	0.082	U				0.082	U	
		10-Jan-18	0.082	U	0.09	U	0.820	U	0.082	U	0.082	U	0.12	U	0.11	U	0.14	U	0.14	U				0.082	U	
		11-Apr-18	0.082	U	0.08	U	0.082	U	0.082	U	0.082	U	0.08	U	0.082	U	0.082	U	0.082	U				0.41 <sup>D</sup>	U	
		27-Jul-18	0.082	U	0.082	U	0.082	U	0.082	U	0.12	U	0.12	U	0.082	U	0.082	U	0.082	U				0.082	U	
		24-Oct-18	0.082	U	0.082	U	0.082	U	0.170	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U				0.082	U	
		16-Jan-19	0.082	U	0.082	U	0.082	U	0.08	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U				0.082	U	
		12-Apr-19	0.082	U	0.082	U	0.140	U	0.08	U	0.082	U	0.082	U	0.0											

Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School - Volatile Organic Compounds  
February 2008 - January 2024

Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)				
			Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	
Styrene	52.0	8-Feb-08	0.710		0.130		0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U					0.090	U	
		27-Mar-08	1.200		0.118		0.120		0.165	U	0.140	U	0.175	U	0.114	U	0.139	U							0.085	U	
		25-Apr-08	0.856		0.156		0.180		0.184		0.137		0.158		0.158		0.124								0.085	U	
		29-May-08	0.550		0.085	U	0.130		0.260		0.090	U	0.110	U	0.090	U	0.090	U							0.090	U	
		27-Jun-08	1.830		0.085	U	0.112		0.186		0.191		0.085	U	0.481		0.090	U							0.085	U	
		31-Jul-08	1.890		0.254		0.153		0.266		0.285		0.288		0.109		0.090	U							0.085	U	
		28-Aug-08	0.654		0.368		0.262		0.392		0.203		0.165		0.169		0.140								0.108	U	
		30-Sep-08	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U							2.100	U	
		27-Oct-08	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U							2.100	U	
		25-Nov-08	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U							2.100	U	
		18-Dec-08	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U							2.100	U	
		21-Jan-09	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U							2.100	U	
		25-Feb-09	2.100	U	2.100	U	2.100	U	NS		2.100	U	2.100	U	2.100	U	2.100	U							2.100	U	
		26-Mar-09	0.814		0.113		0.110		0.110		0.110		0.125		0.111		0.128								0.122	U	
		29-Apr-09	0.515		0.085		0.136		0.085	U	0.085	U	0.136		0.085	U	0.085	U							0.085	U	
		22-Jul-09	1.280		0.085	U	0.153		0.085	U	0.085	U	0.285		0.272		0.213								0.187	U	
		9-Oct-09	0.838		0.153		0.149		0.174		0.566		0.179		0.140		0.149								0.140	U	
		15-Jan-10	1.100		0.221		0.085	U	0.089		0.196		0.098		0.085	U	0.085	U							0.085	U	
		21-Apr-10	0.281		0.204		0.289		0.187		0.328		0.174		0.145		0.140								0.085	U	
		16-Jul-10	0.702		0.085	U	0.085	U	0.085	U	0.779		0.085	U	0.085	U	0.085	U							0.085	U	
		15-Oct-10	0.549		0.085	U	0.085	U	0.085	U	0.098		0.805	U	0.085	U	0.085	U							0.085	U	
		30-Nov-10	NS		0.149		0.119		0.119		NS		NS		0.085	U	NS								NS	U	
		26-Jan-11	0.327		0.224		0.174		0.217		0.182		0.202		0.145		0.182						0.174		0.145	U	NS
		26-Jan-11**	NS		0.510		0.370		NS		NS		NS		0.370		NS								NS	U	
		27-Apr-11	0.166		0.166		0.170		0.192		0.170		0.277		0.145	U	0.085	U							0.085	U	
		26-Jul-11	0.677		2.460		0.132		11.700		0.315		1.320		0.200		0.085	U							0.085	U	
		28-Oct-11	0.300		0.130	U	0.130	U	0.130	U	0.330		0.130	U	0.130	U	0.130	U							0.085	U	
		23-Jan-12	0.820		0.250		0.410		0.480		0.270		0.510		0.150		0.150								0.150	U	
		13-Apr-12	0.560		0.140		0.130	U	0.130	U	0.550		0.280		0.130	U	0.130	U							0.170	U	
		2-Jul-12 resample	NS		NS		NS		NS		NS		NS		NS		NS								0.130	U	
		20-Jun-12	0.720		0.300		0.240		1.200		0.430		0.150		0.085	U	0.200								0.200	U	
		1-Nov-12	0.280		0.140		0.085	U	0.130		0.150		0.160		0.180		0.160								0.085	U	
		1-Feb-13	0.870		0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U							0.085	U	
		29-Apr-13	1.600		0.230		0.230		0.200		0.740		0.150		0.520		0.210								0.085	U	
		9-Jul-13	0.410		0.120		0.085	U	0.140		0.410		0.085	U	0.110		0.085	U							0.085	U	
		9-Jul-13 RIDEM	NS		NS		NS		NS		0.420		NS		NS		NS								0.039	J	
		18-Oct-13	0.200		0.085	U	0.085	U	0.130		0.270		0.110		0.340		0.290								0.130	U	
		9-Jan-14	0.260		0.260		0.085	U	0.085	U	0.085	U	0.085	U	0.120		0.085	U							0.085	U	
		24-Apr-14	1.100		0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.160		4.500								0.085	U	
		1-Aug-14	0.880		0.260		0.260		0.210		0.560		0.350		0.680		0.430								0.085	U	
		12-Sept-14 resample	NS		NS		NS		NS		NS		NS		NS		NS								NS	U	
		22-Oct-14	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U							0.130	U	
		20-Jan-15	0.120		0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.130	U	0.230								0.130	U	
		30-Mar-15 resample	NS		NS		NS		NS		NS		NS		NS		NS								NS	U	
		22-Apr-15	0.670		0.220		0.085	U	0.120		0.190		0.085	U	0.200		0.360								0.085	U	
		21-Jul-15	0.300		0.200 ^		0.200	U	0.380		0.150 ^		0.380	U	0.270		0.200	U							0.200	U	
		23-Sept-15 resample	NS		NS		NS		NS		NS		NS		NS		NS								NS	U	
		29-Oct-15	0.200	U	0.530		0.200	U	0.200	U	0.200	U	0.200	U	0.350		0.200	U							0.300	U	
		4-Dec-15 resample	NS		0.200		NS		NS		NS		NS		NS		NS								NS	U	
		27-Jan-16	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.12		0.085	U							0.085	U	
20-Apr-16 ^	0.15		0.085	U	0.085	U	0.12		0.085	U	0.085	U	0.085	U	0.085	U							0.085	U			
20-Jul-16	0.36		0.25		0.16		0.22		0.58		0.43		0.40		0.37								0.2	U			
21-Oct-16	0.89		0.15		0.085	U	0.24		0.14		0.11		0.09		0.18								0.37	U			
31-Jan-17	0.25		0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U							0.085	U			
17-Apr-17 ^	0.2		0.13		0.13		0.13		0.13		0.13		0.13		0.13								0.13	U			
26-Jul-17	0.19		0.085	U	0.085	U	0.085	U	0.13		0.11		0.11		0.16								0.085	U			
12-Oct-17	0.1		0.085	U	0.085	U	0.085	U	0.1		0.085	U	0.085	U	0.13								0.085	U			
10-Jan-18	0.21		0.09		0.09		0.09		0.09		0.09		0.09		0.09								0.085	U			
11-Apr-18	1.3 <sup>1</sup>		0.085 <sup>1</sup>	U	0.085 <sup>1</sup>	U	0.085 <sup>1</sup>	U	0.085 <sup>1</sup>	U	0.085	U	0.085 <sup>1</sup>	U	0.085 <sup>1</sup>	U							0.43 <sup>20</sup>	U			
27-Jul-18	0.085	U	0.085	U	0.085	U	0.085	U	0.13		0.13	U	0.085	U	0.085	U							0.085	U			
24-Oct-18	0.370		0.085	U	0.085	U	0.085	U	0.085	U	0.26		0.085	U	0.085	U							0.085	U			
16-Jan-19	0.25 <sup>W</sup>		0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U							0.085	U			
12-Apr-19	0.77		0.085	U	0.085	U	0.100		0.085	U	0.085	U	0.085	U	0.085	U							0.085	U			
29-Jul-19	0.34		0.085	U	0.085	U	0.085	U	0.1		0.085	U	0.150		0.085	U							0.085	U			
29-Oct-19	NS		0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	NS								0.085	U			
1-Nov-19	0.6		NS		NS		NS		NS		NS		NS		0.085	U							NS	U			
21-Jan-20	0.21		0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U							0.09	U			
22-Apr-20	0.11		0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U							0.085	U			
23-Jul-20	0.71		0.085	U	0.085	U	0.085	U	0.099																		

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Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)			
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	
			U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
		8-Feb-08	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U				0.140	U	
		27-Mar-08	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U				0.137	U	
		25-Apr-08	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U				0.137	U	
		29-May-08	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U				0.140	U	
		27-Jun-08	0.137	U	0.140	U	0.140	U	0.137	U	0.140	U	0.140	U	0.179	U	0.140	U	0.140	U				0.140	U	
		31-Jul-08	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U				0.137	U	
		28-Aug-08	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U				0.137	U	
		30-Sep-08	0.140	U	0.140	U	0.140	U	0.140	U	0.137	U	0.140	U	0.140	U	0.140	U	0.140	U				0.140	U	
		27-Oct-08	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U				0.140	U	
		25-Nov-08	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U				0.140	U	
		18-Dec-08	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U				0.140	U	
		21-Jan-09	0.140	U	0.140	U	5,000	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U				0.140	U	
		25-Feb-09	0.140	U	0.140	U	0.320	U	NS	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U				0.140	U	
		26-Mar-09	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U				0.137	U	
		29-Apr-09	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U				0.137	U	
		22-Jul-09	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U				0.137	U	
		9-Oct-09	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U				0.137	U	
		15-Jan-10	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U				0.137	U	
		21-Apr-10	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U				0.137	U	
		16-Jul-10	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U				0.137	U	
		15-Oct-10	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U				0.137	U	
		30-Nov-10	NS	U	0.137	U	0.137	U	NS	U	NS	U	NS	U	0.137	U	NS	U	NS	U				NS	U	
		26-Jan-11	0.234	U	0.233	U	0.234	U	0.234	U	0.234	U	0.233	U	0.233	U	0.234	U	0.234	U	0.233	U	0.234	U	0.233	U
		26-Jan-11**	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U				NS	U	
		27-Apr-11	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U			0.234	U	0.137	U
		26-Jul-11	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U				0.137	U	
		28-Oct-11	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U				0.250	U	
		23-Jan-12	0.440	U	0.440	U	0.440	U	0.440	U	0.440	U	0.440	U	0.440	U	0.440	U	0.440	U				0.440	U	
		13-Apr-12	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U				0.500	U	
		2-Jul-12 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U				0.370	U	
		20-Jun-12	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U				0.250	U	
		1-Nov-12	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U				0.250	U	
		1-Feb-13	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U				0.250	U	
		29-Apr-13	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U				0.025	U	
		9-Jul-13	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U				0.250	U	
		18-Oct-13	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U				0.250	U	
		9-Jan-14	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U				0.250	U	
		24-Apr-14	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U				0.250	U	
		1-Aug-14	0.250	U	0.250	U	0.250	U	0.370	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U				0.250	U	
		12-Sept-14 resamp	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.250	U	NS	U	NS	U				NS	U	
		22-Oct-14	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U				0.370	U	
		20-Jan-15	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.370	U	0.250	U				0.370	U	
		30-Mar-15 resamp	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.290	U	0.290	U				NS	U	
		22-Apr-15	0.250	U	0.250 ^	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U				0.250	U	
		27-Jan-16	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U				0.25	U	
		20-Apr-16 ^	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U				0.25	U	
		20-Jul-16	0.30	U	0.39	U	0.27	U	0.31	U	0.30	U	0.29	U	0.33	U	0.28	U	0.28	U				0.37	U	
		21-Oct-16	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U				0.25	U	
		31-Jan-17	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U				0.25	U	
		17-Apr-17 ^	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U				0.37	U	
		26-Jul-17	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U				0.25	U	
		12-Oct-17	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U				0.25	U	
		10-Jan-18	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U				0.25	U	
		11-Apr-18	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U				1.2 <sup>D</sup>	U	
		27-Jul-18	0.25	U	0.25	U	0.25	U	0.25	U	0.37	U	0.37	U	0.25	U	0.25	U	0.25	U				0.25	U	
		24-Oct-18	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U				0.25	U	
		16-Jan-19	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U				0.25	U	
		12-Apr-19	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U				0.25	U	
		29-Jul-19	0.25 <sup>L</sup>	U	0.25 <sup>L</sup>	U	0.25 <sup>L</sup>	U	0.25 <sup>L</sup>	U	0.25 <sup>L</sup>	U	0.25 <sup>L</sup>	U	0.25 <sup>L</sup>	U	0.25 <sup>L</sup>	U	0.25 <sup>L</sup>	U				0.25 <sup>L</sup>	U	
		29-Oct-19	NS	U	0.25 <sup>L</sup>	U	0.25 <sup>L</sup>	U	0.25 <sup>L</sup>	U	0.25 <sup>L</sup>	U	0.25 <sup>L</sup>	U	0.25 <sup>L</sup>	U	NS	U	NS	U				0.25 <sup>L</sup>	U	
		1-Nov-19	0.25 <sup>L</sup>	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.25 <sup>L</sup>	U	0.25 <sup>L</sup>	U						

Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School - Volatile Organic Compounds  
February 2008 - January 2024

Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)		
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
			U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
		8-Feb-08	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U				0.140	U
		27-Mar-08	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U				0.137	U
		25-Apr-08	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U				0.137	U
		29-May-08	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U				0.140	U
		27-Jun-08	0.140	U	0.140	U	0.140	U	0.137	U	0.140	U	0.140	U	0.140	U	0.992	U	0.140	U				0.140	U
		31-Jul-08	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U				0.137	U
		28-Aug-08	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U				0.137	U
		30-Sep-08	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U				0.140	U
		27-Oct-08	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U				0.140	U
		25-Nov-08	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U				0.140	U
		18-Dec-08	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U				0.140	U
		21-Jan-09	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U				0.140	U
		25-Feb-09	0.140	U	0.140	U	0.140	U	NS	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U				0.140	U
		26-Mar-09	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U				0.137	U
		29-Apr-09	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U				0.137	U
		22-Jul-09	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U				0.137	U
		9-Oct-09	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U				0.137	U
		15-Jan-10	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U				0.137	U
		21-Apr-10	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U				0.137	U
		16-Jul-10	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U				0.137	U
		15-Oct-10	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U				0.137	U
		30-Nov-10	NS	U	0.137	U	0.137	U	NS	U	NS	U	NS	U	0.137	U	NS	U	NS	U				NS	U
		26-Jan-11	0.234	U	0.233	U	0.234	U	0.234	U	0.234	U	0.233	U	0.233	U	0.234	U	0.234	U	0.233	U	0.234	U	U
		26-Jan-11**	NS	U	0.340	U	0.340	U	NS	U	NS	U	NS	U	0.340	U	NS	U	NS	U				NS	U
		27-Apr-11	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U				0.137	U
		26-Jul-11	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U				0.137	U
		28-Oct-11	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U				0.069	U
		23-Jan-12	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U				0.240	U
		13-Apr-12	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U				0.140	U
		2-Jul-12 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U				0.100	U
		20-Jun-12	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U				0.140	U
		1-Nov-12	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U				0.069	U
		1-Feb-13	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U				0.069	U
		29-Apr-13	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U				0.069	U
		9-Jul-13	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U				0.140	U
		9-Jul-13 RIDEM	NS	U	NS	U	NS	U	NS	U	0.093	U	NS	U	NS	U	NS	U	NS	U				0.093	U
		18-Oct-13	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U				0.140	U
		9-Jan-14	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U				0.140	U
		24-Apr-14	0.069	U	0.069 <sup>h-v</sup>	U	0.069	U	0.069 <sup>h-v</sup>	U	0.069	U	0.069 <sup>h-v</sup>	U	0.069 <sup>h-v</sup>	U	0.069 <sup>h-v</sup>	U	0.069 <sup>h-v</sup>	U				0.069	U
		1-Aug-14	0.140	U	0.140	U	0.140	U	0.210	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U				0.140	U
		12-Sept-14 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U				NS	U
		22-Oct-14	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U				0.100	U
		20-Jan-15	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.100	U	0.069	U				0.100	U
		30-Mar-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U				NS	U
		22-Apr-15	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U				0.069	U
		21-Jul-15	0.300	U	0.300 <sup>h</sup>	U	0.300	U	0.400	U	0.400	U	0.400	U	0.400	U	0.400	U	0.400	U				0.400	U
		23-Sept-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U				NS	U
		29-Oct-15	0.400	U	0.400	U	0.400	U	0.400	U	0.400	U	0.400	U	0.300	U	0.300	U	0.300	U				0.400	U
		4-Dec-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U				NS	U
		27-Jan-16	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U				0.069	U
		20-Apr-16 <sup>h</sup>	0.069	U	0.069	U	0.069	U	0.096	U	0.069	U	0.069	U	0.36	U	0.069	U	0.069	U				0.069	U
		20-Jul-16	0.082	U	0.11	U	0.074	U	0.084	U	0.082	U	0.080	U	0.091	U	0.077	U	0.077	U				0.10	U
		21-Oct-16	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U				0.069	U
		31-Jan-17	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U				0.069	U
		17-Apr-17 <sup>h</sup>	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U				0.1	U
		26-Jul-17	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U				0.069	U
		12-Oct-17	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U				0.069	U
		10-Jan-18	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U				0.069	U
		11-Apr-18	0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.140	U	0.069	U	0.069	U	0.069	U				0.69 <sup>h</sup>	U
		27-Jul-18	0.069	U	0.069	U	0.069	U	0.069	U	0.10	U	0.10	U	0.069	U	0.069	U	0.069	U				0.069	U
		24-Oct-18	0.069	U	0.069	U	0.069	U	0.069	U	0.07	U	0.07	U	0.069	U	0.069	U	0.069	U					

Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School - Volatile Organic Compounds  
February 2008 - January 2024

Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)		
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
			Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value
		8-Feb-08		0.140		0.140		0.140		0.150		0.140		0.140		0.140		0.140		0.140					0.350
		27-Mar-08 <sup>2</sup>		12.500		6.680		13.300		16.100		26.000		7.730		23.300		4.310							0.153
		25-Apr-08		0.180		0.254		0.179		0.282		0.231		0.276		0.228		0.298							0.136
		29-May-08		0.140		0.140		0.140		0.140		0.140		0.140		0.140		0.140							0.140
		27-Jun-08		0.249		0.449		0.397		0.459		0.424		0.243		0.460		0.246							0.216
		31-Jul-08		1.030		1.000		0.877		0.880		0.795		0.872		0.252		0.287							0.154
		28-Aug-08		0.321		0.367		0.283		0.323		0.274		0.434		0.294		0.282							0.445
		30-Sep-08		3.400		3.400		3.400		3.400		3.400		3.400		3.400		3.400							3.400
		27-Oct-08		4.200		4.200		4.200		4.200		4.200		4.200		4.200		4.200							4.200
		25-Nov-08		3.400		3.400		3.400		3.400		3.400		3.400		3.400		3.400							3.400
		18-Dec-08		3.400		3.400		3.400		3.400		3.400		3.400		3.400		3.400							3.400
		21-Jan-09		3.400		3.400		3.400		3.400		3.400		3.400		3.400		3.400							3.400
		25-Feb-09		3.400		3.400		3.400		NS		3.400		3.400		3.400		3.400							3.400
		26-Mar-09		1.530		1.210		1.170		0.980		1.080		1.320		1.420		1.890							1.580
		29-Apr-09		0.136		0.136		0.697		0.136		0.136		0.136		0.136		0.136							0.136
		22-Jul-09		0.291		0.190		0.224		0.196		0.196		0.196		0.183		0.210							0.535
		9-Oct-09		2.250		1.550		1.580		1.580		1.380		1.700		2.080		1.960							0.779
		15-Jan-10		0.359		0.346		0.339		0.373		0.312		3.460		0.346		0.312							2.450
		21-Apr-10		0.637		0.752		0.440		0.650		0.508		0.447		0.407		0.474							0.562
		16-Jul-10		0.318		0.420		0.420		0.427		0.501		0.230		0.447		0.474							0.230
		15-Oct-10		0.136		0.136		0.136		0.136		0.136		0.136		0.136		0.136							0.142
		30-Nov-10		NS		0.461		0.291		NS		NS		NS		0.169		NS							NS
		26-Jan-11		0.636		0.484		0.370		0.566		0.440		0.725		0.346		0.578			0.472		0.428		0.426
		26-Jan-11**		NS		0.580		0.490		NS		NS		NS		0.480		NS							NS
		27-Apr-11		0.142		0.176		0.176		0.352		0.176		0.136		0.149		0.136							0.285
		26-Jul-11		0.529		0.563		0.522		0.631		0.549		0.325		0.739		0.461							0.224
		28-Oct-11		0.100		0.140		0.100		0.100		0.100		0.110		0.100		0.100							0.068
		23-Jan-12		0.240		0.240		0.240		0.590		0.320		0.510		0.260		0.410							0.260
		13-Apr-12		0.150		0.110		0.120		0.250		0.150		0.160		0.190		0.190							0.140
		2-Jul-12 resample		NS		NS		NS		NS		NS		NS		NS		NS							0.130
		20-Jun-12		0.390		0.800		0.310		0.370		0.390		0.400		0.410		0.440							0.240
		1-Nov-12		0.360		0.460		0.400		0.730		0.470		0.770		0.600		0.560							0.120
		1-Feb-13		0.130		0.095		0.073		0.120		0.090		0.210		0.440		0.092							0.140
		29-Apr-13		0.610		0.560		0.560		0.630		0.880		0.046		0.650		0.580							0.320
		9-Jul-13		0.270		0.240		0.230		0.260		0.250		0.320		0.440		0.280							0.280
		9-Jul-13 RIDEM		NS		NS		NS		NS		0.279		NS		NS		NS							0.281
		18-Oct-13		0.140		0.150		0.150		0.140		0.180		0.210		0.170		0.180							0.140
		9-Jan-14		0.140		0.190		0.140		0.160		0.190		0.190		0.160		0.520							0.190
		24-Apr-14		0.068		0.068		0.068		0.068		0.140		0.068		0.068		0.140							0.068
		1-Aug-14		0.590		0.510		0.240		0.970		3.800		0.360		10.000/14.000		0.810							15.000
		12-Sept-14 resample		NS		NS		NS		NS		NS		NS		0.084		NS							NS
		22-Oct-14		0.420		0.360		0.100		0.100		0.100		0.100		0.100		0.100							0.500
		20-Jan-15		0.068		0.160		0.150		0.170		0.068		0.280		0.100		4.200							0.100
		30-Mar-15 resample		NS		NS		NS		NS		NS		NS		NS		NS							0.094
		22-Apr-15		0.620		0.790		1.300		1.200		2.000		0.790		1.500		1.300							0.190
		21-Jul-15		1.300		0.410 ^		2.700		0.350 ^		0.390		0.390		26.000		0.740							0.350 ^
		23-Sept-15 resample		NS		NS		NS		NS		NS		NS		0.400		NS							NS
		29-Oct-15		0.400		0.240 ^		0.400		0.400		0.400		0.400		0.300		0.180 ^							0.400
		4-Dec-15 resample		NS		0.300		NS		NS		NS		NS		NS		NS							NS
		27-Jan-16		0.17		0.9		0.16		0.14		0.095		0.2		0.16		0.18							0.17
		20-Apr-16 ^		0.16		0.068		0.068		0.09		0.084		0.068		0.068		0.071							0.068
		20-Jul-16		0.081		0.11		0.074		0.083		0.081		0.079		0.089		0.076							0.10
		21-Oct-16		0.59		0.89		0.3		0.72		1.4		0.46		0.21		0.46							0.75
		31-Jan-17		0.12		0.11		0.068		0.12		0.068		0.12		0.12		0.17							0.25
		17-Apr-17 ^		0.10		0.17		0.19		0.19		0.17		0.19		0.2		0.1							0.1
		26-Jul-17		0.21		0.17		0.18		0.16		0.18		0.18		0.18		0.23							0.12
		12-Oct-17		0.25		0.068		0.068		0.068		0.068		0.068		0.068		0.068							0.068
		10-Jan-18		0.27		0.59		0.45		0.50		0.20		0.23		0.61		0.29							0.068
		11-Apr-18		0.21		0.14		0.14		0.14		0.14		0.14		0.14		0.14							0.68 <sup>D</sup>
		27-Jul-18		0.14		0.18		0.16		0.24		0.26		0.2		0.17		0.14							0.14
		24-Oct-18		0.26		0.22		0.22		0.27		0.2		0.23		0.14		0.14							0.14
		16-Jan-19		0.22		0.15		0.14		0.14		0.16		0.17		0.18		0.14							0.27
		12-Apr-19		0.17		0.14		0.14		0.14		0.14		0.14		0.14		0.14							0.14
		29-Jul-19		0.23		0.19		0.14		0.18		0.21		0.22		0.2		0.17							0.17
		29-Oct-19		NS		0.2		0.2		0.23		0.28		0.14		NS		NS							0.18
		1-Nov-19		0.16		NS		NS		NS		NS		NS		NS		0.14							NS
		21-Jan-20		0.14		0.14		0.14		0.14		0.14		0.14		0.14		0.14							0.14
		22-Apr-20		0.14		0.14		0.14		0.14		0.14		0.14		0.14		0.14							0.14
		23-Jul-20		0.16		0.15		0.14		0.14		0.14		0.16		0.14		0.14							0.14
		29-Oct-20		0.44		0.33		0.3		0.34		0.29		0.32		0.33		0.39							1.7
		19-Jan-21		0.14		0.14		0.14		0.14		0.14		0.14		0.14		0.14							0.14
		15-Apr-21		0.2	</																				











Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School - Volatile Organic Compounds  
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Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)		
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
		8-Feb-08	1.140		1.020		1.110		1.010		0.990		1.050		1.040		1.020							1.080	
		27-Mar-08	1.740		1.520		1.540		1.250		2.320		2.120		2.140		1.210							1.380	
		25-Apr-08	1.740		1.660		1.240		1.620		1.480		1.520		1.660		1.500							1.030	
		29-May-08	1.020		0.930		0.870		1.060		0.930		0.930		0.990		0.910							0.880	
		27-Jun-08	1.240		1.220		1.290		1.300		1.160		1.150		1.170		1.160							1.180	
		31-Jul-08	1.080		1.100		1.010		1.010		1.010		1.010		1.000		0.973							0.926	
		28-Aug-08	2.740		3.360		3.470		3.260		3.660		3.420		3.380		3.860							2.310	
		30-Sep-08	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U					2.800	U	
		27-Oct-08	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U					2.800	U	
		25-Nov-08	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U					2.800	U	
		18-Dec-08	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U					2.800	U	
		21-Jan-09	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U					2.800	U	
		25-Feb-09	2.800	U	2.800	U	2.800	U	NS		2.800	U	2.800	U	2.800	U	2.800	U					2.800	U	
		26-Mar-09	1.220		1.160		1.180		1.140		1.190		1.190		1.120		1.130							1.160	
		29-Apr-09	1.490		1.170		0.051	U	1.270		1.180		1.190		1.270		1.290							1.190	
		22-Jul-09	1.950		1.920		1.62		1.900		1.630		2.050		1.540		1.900							2.120	
		9-Oct-09	1.520		1.850		1.510		0.019		1.620		1.310		1.410		1.430							1.180	
		15-Jan-10	11.900		1.260		1.210		1.290		1.210		1.290		1.220		1.270							1.240	
		21-Apr-10	4.170		3.780		2.540		3.200		3.500		3.400		2.500		3.190							1.260	
		16-Jul-10	1.470		1.470		1.480		1.470		2.160		1.470	U	1.470		1.470							1.560	
		15-Oct-10	1.410		1.360		1.380		1.350		1.360		1.300		1.320		1.340							1.490	
		30-Nov-10	NS		1.520		1.490		NS		NS		NS		1.340		NS							NS	
		26-Jan-11	1.780		1.960		1.720		1.740		1.620		1.960		1.630		1.950				1.490		1.930	1.780	
		26-Jan-11**	NS		2.300		2.100		NS		NS		NS		2.100		NS							NS	
		27-Apr-11	1.200		1.250		1.110		1.240		1.080		1.140		1.280		1.120							1.250	
		26-Jul-11	1.210		1.210		1.300		1.250		1.220		1.290		1.180		1.170							1.210	
		28-Oct-11	2.500		1.400		1.600		1.600		1.900		1.900		1.900		1.800							1.500	
		23-Jan-12	1.500		1.500		1.500		1.500		1.500		1.500		1.500		1.500							1.400	
		13-Apr-12	2.200		2.000		1.700		2.000		2.300		2.400		2.300		2.400							1.200	
		2-Jul-12 resample	NS		NS		NS		NS		NS		NS		NS		NS							1.800	
		20-Jun-12	1.200		1.400		1.300		1.200		1.500		1.100		1.400		1.400							1.100	
		1-Nov-12	1.200		1.200		1.300		1.200		1.200		1.200		1.300		1.200							1.300	
		1-Feb-13	1.690		1.690		1.700		1.600		1.700		1.600		1.600		1.600							1.600	
		29-Apr-13	1.400		1.600		1.600		1.400		1.400		1.300		1.400		1.300							1.400	
		9-Jul-13	1.200		1.200		1.200		1.300		1.300		1.200		1.200		1.200							1.500	
		18-Oct-13	1.100		2.100		1.300		1.800		1.300		1.200		1.900		1.200							1.100	
		9-Jan-14	1.500		2.200		1.800		1.700		1.600		1.700		1.700		1.900							2.000	
		24-Apr-14	1.500		1.700		1.700		1.600		1.800		1.700		1.700		3.200							1.500	
		1-Aug-14	1.900		1.700		0.110	U	1.600		1.900		1.700		1.800/1.600		1.800							1.500	
		12-Sept-14 resample	NS		NS		NS		NS		NS		NS		1.300		NS							NS	
		22-Oct-14	1.500		1.300		1.500		1.500		1.500		1.500		1.500		1.500							1.300	
		20-Jan-15	1.300		1.300		1.200		1.300		1.300		1.300		1.400		4.500							1.400	
		30-Mar-15 resample	NS		NS		NS		NS		NS		NS		NS		1.100							NS	
		22-Apr-15	1.700		2.000		4.900 <sup>†</sup>		1.800		1.900		1.700		2.200		1.600							1.600	
		21-Jul-15	0.770		0.830 <sup>^</sup>		0.850		0.750		0.790		0.780		0.790		0.740							1.200	
		23-Sept-15 resample	NS		NS		NS		NS		NS		NS		0.820		NS							NS	
		29-Oct-15	0.900		0.900		0.950		0.890		0.810		0.830		0.900		0.880							0.960	
		4-Dec-15 resample	NS		0.850		NS		NS		NS		NS		NS		NS							NS	
		27-Jan-16	1.9 <sup>NS</sup>		1.8 <sup>NS</sup>		1.9 <sup>NS</sup>		1.9 <sup>NS</sup>		1.8 <sup>NS</sup>		2.2 <sup>NS</sup>		1.9 <sup>NS</sup>	U	1.8 <sup>NS</sup>							1.7 <sup>NS</sup>	
		20-Apr-16 <sup>†</sup>	1.3		1.7		1.5		1.5		1.5		1.3		1.3		1.6							1.7	
		20-Jul-16	1.2		1.2		1.0		1.2		1.2		1.1		1.1		1.1							1.3	
		21-Oct-16	1.2		1.3		1.2		1.1		1.2		1.2		1.1		1.3							1.2	
		31-Jan-17	1.3		1.3		1.3		1.3		1.3		1.3		1.3		1.2							1.3	
		17-Apr-17 <sup>†</sup>	1.5		1.6		1.5		1.6		1.5		1.5		1.5		1.5							1.5	
		26-Jul-17	0.97		0.96		0.98		0.96		0.95		0.97		0.96		0.97							0.97	
		12-Oct-17	1.2		1.2		1.3		1.2		1.2		1.2		1.3		1.2							1.4	
		10-Jan-18	1.10		1.10		1.10		1.20		1.20		1.20		1.20		1.10							1.1	
		11-Apr-18	1.4		1.4		1.4		1.4		1.4		1.4		1.4		1.4							2.2 <sup>D</sup>	U
		27-Jul-18	1.1		1.1		1.1		1.2		1.2		1.2		1.2		1.2							1.1	
		24-Oct-18	1.3		1.2		1.3		1.3		1.2		1.3		1.3		1.3							1.2	
		16-Jan-19	1.2		1.1		1.1		1.2		1.2		1.2		1.2		1.2							1.3	
		12-Apr-19	1.1		1.2		1.1		1		1.1		1		1		1							1	
		29-Jul-19	1.2		1.2		1.1		1.2		1.2		1.3		1.2		1.2							1.3	
		29-Oct-19	NS		1.4		1.4		1.4		1.4		1.5		1.4		NS							1.4	
		1-Nov-19	1.5		NS		NS		NS		NS		NS		NS		NS							NS	
		21-Jan-20	1.2		1.20		0.45	U	1.10		1.30		1.20		0.45	U	1.20							1.30	
		22-Apr-20	1.5		1.5		1.5		1.5		1.5		1.5		1.5		1.5							1.5	
		23-Jul-20	1.4		1.5		1.4		1.5		1.4		1.3		1.4		1.4							1.4	
		29-Oct-20	1.4		1.4		1.4		1.4		1.4		1.4		1.4		1.4							1.4	
		19-Jan-21	1.1		1.1		1.1		1.1		1.1		1.1		1.1		1.1							1.1	
		15-Apr-21	1.3		1.3		1.3		1.3		1.3		1.3		1.3		1.3							1.3	
		21-Jul-21	1.2		1.2		1.2		1.3		1.2		1.3		1.2		1								

Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School - Volatile Organic Compounds  
February 2008 - January 2024

Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)			
			Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
		8-Feb-08	0.900		0.970		2.520		1.890		0.210		0.210		0.210		0.310							0.210		
		27-Mar-08	1.330		1.590		3.390		3.240		0.920		1.390		0.828		0.989							0.098	U	
		25-Apr-08	0.998		1.760		11.700		1.640		0.909		0.839		0.911		0.750							0.098	U	
		29-May-08	0.300		0.470		8.320		6.680		0.270		0.960		0.690		0.110							0.100	U	
		27-Jun-08	1.560		0.443		2.120		3.040		0.634		0.246		0.722		0.206							0.175		
		31-Jul-08	1.650		1.360		1.380		2.080		0.959		1.940		0.207		0.142							0.157		
		28-Aug-08	0.438		1.430		3.690		5.340		0.642		0.461		0.455		0.464							0.354		
		30-Sep-08	2.500	U	2.500	U	2.500	U	2.000	U	6.800	U	2.500	U	2.500	U	2.500	U	2.500	U				2.500	U	
		27-Oct-08	2.500	U	2.500	U	2.500	U	3.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U				2.500	U	
		25-Nov-08	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U				2.500	U	
		18-Dec-08	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U				2.500	U	
		21-Jan-09	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U				2.500	U	
		25-Feb-09	2.500	U	2.500	U	3.900	U	NS	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U				2.500	U	
		26-Mar-09	0.942		0.859		1.500		1.300		0.526		0.563		0.737		1.564							0.739		
		29-Apr-09	1.520		0.368		1.340		1.200		0.192		0.098		0.108		0.098							0.142		
		22-Jul-09	1.010		0.216		1.140		1.039		0.594		0.791		0.889		0.673							0.894		
		9-Oct-09	1.240		1.080		1.250		1.460		0.712		0.796		0.702		0.069							0.069		
		15-Jan-09	0.609		0.550		0.452		0.521		0.206		0.196		0.216		0.196							0.196		
		21-Apr-10	0.393		0.845		4.590		0.643		0.570		0.545		0.427		0.476							0.098	U	
		16-Jul-10	0.354		0.216		0.388		0.344		0.250		0.138		0.511		0.187							0.108		
		15-Oct-10	0.319		0.408		0.329		0.211		0.098	U	0.098	U	0.319	U	0.098	U						0.098	U	
		30-Nov-10	NS		0.334		0.560		NS		NS		NS		0.098		NS							NS		
		26-Jan-11	1.010		1.120		1.100		1.200		0.780		0.917		0.868		1.030				1.000		0.168	U	0.994	
		26-Jan-11**	NS		1.900		2.100		NS		NS		NS		2.000		NS							NS		
		27-Apr-11	0.138		0.280		2.080		0.255		0.147		0.113		0.172		0.113							0.128		
		26-Jul-11	0.575		2.160		1.120		0.285		0.236		0.157		0.290		0.177							0.123		
		28-Oct-11	0.340		0.220		0.300		0.290		0.230		0.260		0.310		0.330							0.098	U	
		23-Jan-12	0.660		0.580		0.580		0.710		0.380		1.000		0.520		0.650							0.470		
		13-Apr-12	0.400		0.410		0.760		0.480		0.340		0.340		0.290		0.360							0.240		
		2-Jul-12 resample	NS		NS		NS		NS		NS		NS		NS		0.150							0.150	U	
		20-Jun-12	0.560		1.200		0.910		0.680		0.600		0.470		0.560		0.610							0.310		
		1-Nov-12	0.720		0.480		0.310		0.300		0.460		0.650		0.750		0.660							0.120		
		1-Feb-13	0.330		0.180		0.170		0.160		0.150		0.120		0.220		0.150							0.098	U	
		29-Apr-13	0.990		0.540		0.540		0.510		0.700		0.320		0.580		0.440							0.130		
		9-Jul-13	0.480		0.410		0.280		0.340		0.440		0.230		0.300		0.240							0.190		
		9-Jul-13 RIDEM	NS		NS		NS		NS		0.470		NS		NS		NS							0.230		
		18-Oct-13	2.600		0.098		0.120	U	2.400		3.200		0.140		3.600		3.200							2.300		
		9-Jan-14	4.500		8.900		0.220		0.180		0.180		0.180		0.290		0.240							0.120		
		24-Apr-14	0.120		0.098		0.210	U	0.098	U	0.098	U	0.098	U	0.098	U	0.130							0.098	U	
		1-Aug-14	0.520		0.270		0.630		1.300		1.500		0.220		1.100		1.200							1.200		
		12-Sept-14 resample	NS		NS		NS		NS		NS		NS		NS		NS							NS		
		22-Oct-14	0.150	U	0.170		0.160		0.150	U	0.150	U	0.150	U	0.160	U	0.150	U						0.160		
		20-Jan-15	0.150		0.560		0.098	U	0.160	U	0.098	U	0.370	U	0.170	U	0.490	U						0.150	U	
		30-Mar-15 resample	NS		NS		NS		NS		NS		NS		NS		NS							NS		
		22-Apr-15	0.380		0.510		0.570		0.450		0.630		0.350		0.480		0.510							0.190		
		21-Jul-15	0.750		0.250		0.360	^	0.190	^	0.200	^	0.290	^	0.180	^	0.150	^						0.300	U	
		23-Sept-15 resample	NS		NS		NS		NS		NS		NS		NS		NS							NS		
		29-Oct-15	0.300	U	0.780		0.420		0.160	^	0.300	U	0.180	^	0.410	U	0.320	U						0.300	U	
		4-Dec-15 resample	NS		0.200		NS		NS		NS		NS		NS		NS							NS		
		27-Jan-16	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.15	U	0.15	U	0.11	U						0.11		
		20-Apr-16 ^	0.1		0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U						0.098	U	
		20-Jul-16	0.67		0.77		0.6		0.69		0.72		0.75		0.74		0.68							0.6		
		21-Oct-16	0.48		0.58		0.25		1		0.34		0.36		0.21		0.43							2.6		
		31-Jan-17	0.14		0.14		0.38		0.098	U	0.11		0.098	U	0.12		0.16							0.14		
		17-Apr-17 ^	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U						0.15	U	
		26-Jul-17	0.12		0.19		0.2		0.25		0.27		0.27		0.25		0.26							0.098	U	
		12-Oct-17	0.098	U	0.13		0.098	U	0.18		0.15		0.3		0.13		0.18							0.098	U	
		10-Jan-18	0.33		0.56		0.51		0.59		0.27		0.29		0.61		0.46							0.098	U	
		11-Apr-18	0.31		0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U						0.49 <sup>D</sup>		
		27-Jul-18	0.098	U	0.098	U	0.098	U	0.098	U	0.15	U	0.15	U	0.098	U	0.098	U						0.098	U	
		24-Oct-18	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U						0.098	U	
		16-Jan-19	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U						0.098	U	
		12-Apr-19	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U						0.098	U	
		29-Jul-19	0.19		0.13		0.098	U	0.14		0.16		0.21		0.19		0.11							0.15		
		29-Oct-19	NS		0.098	U	0.14		0.15		0.15		0.19		0.17		NS							0.2		
		1-Nov-19	0.098	U	NS		NS		NS		NS		NS		NS		0.43							NS		
		21-Jan-20	0.19		0.13		0.15		0.10	U	0.16	U	0.15	U	0.14	U	0.10	U						0.11		
		22-Apr-20	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U						0.098	U	
		23-Jul-20	0.15		0.098	U	0.098	U	0.098	U	0.098	U	0													

Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School - Volatile Organic Compounds  
February 2008 - January 2024

Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)						
			Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual			
1,3,5-Trimethylbenzene	9.3	8-Feb-08	0.460		0.450		1.300		0.980		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U					0.100	U			
		27-Mar-08	0.535		0.652		1.620		1.530		0.292		0.438		0.256		0.334								0.098	U			
		25-Apr-08	0.367		0.816		7.170		0.802		0.342		0.293		0.375		0.280								0.098	U			
		29-May-08	0.170		0.220		4.710		4.050		0.140		0.640		0.470		0.100	U							0.100	U			
		27-Jun-08	0.942		0.232		1.100		1.580		0.385		0.102		0.387		0.100	U							0.098	U			
		31-Jul-08	1.040		0.782		0.671		1.360		0.570		1.190		0.098		0.098	U							0.098	U			
		28-Aug-08	0.170		0.732		1.950		2.990		0.270		0.181		0.181		0.155								0.100	U			
		30-Sep-08	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U			2.500	U			
		27-Oct-08	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U			2.500	U			
		25-Nov-08	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U			2.500	U			
		18-Dec-08	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U			2.500	U			
		21-Jan-09	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U			2.500	U			
		25-Feb-09	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U			2.500	U			
		26-Mar-09	0.330		0.315		0.678		0.540		0.194		0.185		0.246		0.198								0.238	U			
		29-Apr-09	0.098		0.192		0.678		0.629		0.098		0.098		0.098		0.098	U							0.098	U			
		22-Jul-09	0.378	U	0.098		0.427		0.138		0.246		0.270		0.295		0.241								0.241	U			
		9-Oct-09	0.550		0.452		0.476		0.599		0.255		0.265		0.221		0.241								0.226	U			
		15-Jan-10	0.265		0.260		0.192		0.206		0.098		0.098	U	0.098	U	0.098	U							0.098	U			
		21-Apr-10	0.118		0.368		2.100		2.600		0.206		0.187		0.162		0.177								0.098	U			
		16-Jul-10	0.113		0.098		0.138		0.118		0.098		0.098	U	0.098	U	0.147								0.098	U			
		15-Oct-10	0.128		0.172		0.123		0.098		0.098	U	0.098	U	0.098	U	0.098	U							0.098	U			
		30-Nov-10	NS		0.133		0.177		NS		NS		NS		NS		NS	U							NS	U			
		26-Jan-11	0.293		0.326		0.360		0.410		0.260		0.267		0.292		0.302						0.334		0.168	U	0.342	U	
		26-Jan-11**	NS		0.590		0.700		NS		NS		NS		0.630		NS								NS	U	NS	U	
		27-Apr-11	0.098		0.128		0.820		0.113		0.098		0.098	U	0.098	U	0.098	U							0.098	U	0.098	U	
		26-Jul-11	0.206		0.737		0.393		0.108		0.098		0.098	U	0.098	U	0.098	U							0.098	U	0.098	U	
		28-Oct-11	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U							0.098	U	0.098	U	
		23-Jan-12	0.220		0.170		0.200		0.230		0.170		0.220		0.180		0.170									0.170	U	0.170	U
		13-Apr-12	0.150	U	0.150	U	0.270		0.170		0.150		0.150	U	0.150	U	0.150	U							0.270	U	0.150	U	
		2-Jul-12 resample	NS		NS		NS		NS		NS		NS		NS		NS	U							0.150	U	0.150	U	
		20-Jun-12	0.180		0.450		0.340		0.250		0.220		0.150		0.140		0.200									0.110	U	0.110	U
		1-Nov-12	0.220		0.140		0.098		0.120		0.140		0.190		0.220		0.170									0.098	U	0.098	U
		1-Feb-13	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U							0.098	U	0.098	U	
		29-Apr-13	0.250		0.180		0.180		0.180		0.250		0.130		0.190		0.150									0.098	U	0.098	U
		9-Jul-13	0.180		0.150		0.098		0.110		0.160		0.098	U	0.098	U	0.098	U							0.098	U	0.098	U	
		9-Jul-13 RIDEM	NS		NS		NS		NS		0.143		NS		NS		NS									0.037	J	0.037	J
		18-Oct-13	0.170		0.098		0.098	U	0.180	U	0.290		0.098	U	0.420		0.280									0.180	U	0.180	U
		9-Jan-14	1.100		2.100		0.098		0.098		0.098	U	0.098	U	0.098	U	0.098	U							0.098	U	0.098	U	
		24-Apr-14	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U							0.098	U	0.098	U	
		1-Aug-14	0.130		0.120		0.220		0.290		0.310		0.098		0.290		0.280									0.230	U	0.230	U
		12-Sept-14 resample	NS		NS		NS		NS		NS		NS		NS		NS	U							NS	U	NS	U	
		22-Oct-14	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U							0.150	U	0.150	U	
		20-Jan-15	0.098	U	0.110	U	0.098	U	0.098	U	0.098	U	0.098	U	0.150	U	0.098	U							0.150	U	0.150	U	
		30-Mar-15 resample	NS		NS		NS		NS		NS		NS		NS		NS	U							NS	U	NS	U	
		22-Apr-15	0.130		0.150		0.170		0.140		0.190		0.100		0.160		0.140									0.098	U	0.098	U
		21-Jul-15	0.230	^	0.200	^	0.200	^	0.300	^	0.300	^	0.300	^	0.300	^	0.200	^							0.300	U	0.300	U	
		23-Sept-15 resample	NS		NS		NS		NS		NS		NS		NS		NS	U							NS	U	NS	U	
		29-Oct-15	0.300	U	0.220	^	0.200	^	0.300	^	0.300	^	0.300	^	0.200	^	0.200	^								0.300	U	0.300	U
		4-Dec-15 resample	NS		0.200		NS		NS		NS		NS		NS		NS	U							NS	U	NS	U	
		27-Jan-16	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U							0.098	U	0.098	U	
		20-Apr-16 ^	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U							0.098	U	0.098	U	
		20-Jul-16	0.21		0.25		0.20		0.23		0.24		0.24		0.24		0.23									0.15	U	0.15	U
		21-Oct-16	0.13		0.16		0.10		0.18		0.098		0.098	U	0.098	U	0.098	U							0.098	U	0.098	U	
		31-Jan-17	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U							0.098	U	0.098	U	
		17-Apr-17 ^	0.15		0.15		0.15		0.15		0.15		0.15		0.15		0.15									0.15	U	0.15	U
		26-Jul-17	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U							0.098	U	0.098	U	
		12-Oct-17	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U							0.098	U	0.098	U	
		10-Jan-18	0.098	U	0.18		0.14		0.18		0.098		0.098	U	0.19		0.10									0.098	U	0.098	U
		11-Apr-18	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U							0.49 <sup>D</sup>	U	0.49 <sup>D</sup>	U	
		27-Jul-18	0.098	U	0.098	U	0.098	U	0.098	U	0.15		0.97		0.098	U	0.098	U							0.098	U	0.098	U	
		24-Oct-18	0.11		0.098		0.098		0.098		0.098		0.098		0.098		0.098								0.098	U	0.098	U	
		16-Jan-19	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U							0.098	U	0.098	U	
		12-Apr-19	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U							0.098	U	0.098	U	
		29-Jul-19	0.1		0.098		0.098		0.098		0.098		0.1		0.098		0.098								0.098				

Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School - Volatile Organic Compounds  
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Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)			
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	
			U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl chloride*	0.1	8-Feb-08	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U					0.050	U
		27-Mar-08	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.050	U					0.051	U
		25-Apr-08	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U					0.051	U
		29-May-08	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U					0.050	U
		27-Jun-08	0.050	U	0.050	U	0.050	U	0.050	U	0.051	U	0.050	U	0.050	U	0.051	U	0.050	U					0.051	U
		31-Jul-08	0.050	U	0.050	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U					0.051	U
		28-Aug-08	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U					0.051	U
		30-Sep-08	0.100	U	0.100	U	0.130	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U					0.100	U
		27-Oct-08	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U					0.100	U
		25-Nov-08	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U					0.100	U
		18-Dec-08	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U					0.100	U
		21-Jan-09	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U					0.100	U
		25-Feb-09	0.100	U	0.100	U	0.100	U	NS		NS		0.100	U	0.100	U	0.100	U	0.100	U					0.100	U
		26-Mar-09	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U					0.051	U
		29-Apr-09	0.051	U	0.051	U	1.080	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U					0.051	U
		22-Jul-09	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U					0.051	U
		9-Oct-09	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U					0.051	U
		15-Jan-10	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U					0.051	U
		21-Apr-10	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U					0.051	U
		16-Jul-10	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U					0.051	U
		15-Oct-10	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U					0.051	U
		30-Nov-10	NS		0.051	U	0.051	U	NS		NS		NS		NS		0.051	U	NS						NS	
		26-Jan-11	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U		0.087	U		0.087	U
		26-Jan-11**	NS		0.130	U	0.130	U	NS		NS		NS		NS		0.130	U	NS						NS	
		27-Apr-11	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U					0.051	U
		26-Jul-11	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U					0.051	U
		28-Oct-11	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U					0.026	U
		23-Jan-12	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U					0.090	U
		13-Apr-12	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U					0.100	U
		2-Jul-12 resample	NS		NS		NS		NS		NS		NS		NS		NS		NS						0.038	U
		20-Jun-12	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U					0.051	U
		1-Nov-12	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U					0.026	U
		1-Feb-13	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U					0.026	U
		29-Apr-13	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U					0.026	U
		9-Jul-13	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U					0.026	U
		9-Jul-13 RIDEM	NS		NS		NS		NS		NS		0.001	J	NS		NS		NS						0.002	J
		18-Oct-13	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U					0.051	U
		9-Jan-14	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U					0.051	U
		24-Apr-14	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U					0.026	U
		1-Aug-14	0.051	U	0.051	U	0.051	U	0.077	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U					0.051	U
		12-Sept-14 resample	NS		NS		NS		NS		NS		NS		NS		NS		NS						NS	
		22-Oct-14	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U					0.038	U
		20-Jan-15	0.026 <sup>+</sup>	U	0.026 <sup>+</sup>	U	0.026 <sup>+</sup>	U	0.026 <sup>+</sup>	U	0.026 <sup>+</sup>	U	0.026 <sup>+</sup>	U	0.026 <sup>+</sup>	U	0.038 <sup>+</sup>	U	0.026 <sup>+</sup>	U					0.038 <sup>+</sup>	U
		30-Mar-15 resample	NS		NS		NS		NS		NS		NS		NS		NS		NS						NS	
		22-Apr-15	0.026	U	0.026	U	0.026 <sup>+</sup>	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U					0.026	U
		21-Jul-15	0.100	U	0.100 <sup>^</sup>	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.200	U	0.100	U					0.100	U
		23-Sept-15 resample	NS		NS		NS		NS		NS		NS		NS		0.100	U	NS						NS	
		29-Oct-15	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U					0.200	U
		4-Dec-15 resample	NS		0.100	U	NS		NS		NS		NS		NS		NS		NS						NS	
		27-Jan-16	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U					0.026	U
		20-Apr-16 <sup>^</sup>	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U					0.026	U
		20-Jul-16	0.030 <sup>^+.</sup>	U	0.040 <sup>^+.</sup>	U	0.028 <sup>^+.</sup>	U	0.031 <sup>^+.</sup>	U	0.031 <sup>^+.</sup>	U	0.030 <sup>^+.</sup>	U	0.034 <sup>^+.</sup>	U	0.029 <sup>^+.</sup>	U	0.029 <sup>^+.</sup>	U					0.038 <sup>^+.</sup>	U
		21-Oct-16	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U					0.026	U
		31-Jan-17	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U					0.026	U
		17-Apr-17 <sup>+</sup>	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U					0.038	U
		26-Jul-17	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U					0.026	U
		12-Oct-17	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U					0.026	U
		10-Jan-18	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U					0.026	U
		11-Apr-18	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U					0.26 <sup>0</sup>	U
		27-Jul-18	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.077	U	0.077	U	0.051	U	0.051	U					0.051	U
		24-Oct-18	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U					0.051	U
		16-Jan-19	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U					0.051	U
		12-Apr-19	0.051	U	0.051	U																				

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Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)			
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	
p/m-Xylene	220.0	8-Feb-08	0.710		0.660		2.110		1.460		0.550		0.450		0.390		0.420								0.580	
		27-Mar-08	2.460		2.080		3.510		2.960		2.620		2.890		1.810		1.910								0.269	
		25-Apr-08	2.220		1.870		8.240		2.170		1.960		2.080		2.150		1.850								0.205	
		29-May-08	0.350		0.290		5.110		2.260		0.290		0.410		0.340		0.250								0.170	U
		27-Jun-08	1.060		1.080		3.280		3.000		1.250		0.994		2.160		0.926								0.795	
		31-Jul-08	1.360		3.330		1.140		1.140		1.370		0.656		0.488		1.960								0.656	
		28-Aug-08	2.130		3.220		8.690		8.200		1.910		2.280		4.300		4.300		22.000						4.300	U
		30-Sep-08	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U					4.300	U
		27-Oct-08	4.300	U	4.300	U	4.300	U	5.000	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U					4.700	U
		25-Nov-08	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U					4.300	U
		18-Dec-08	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U					4.300	U
		21-Jan-09	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U					4.300	U
		25-Feb-09	4.300	U	4.300	U	15.000		NS		4.300	U	4.300	U	4.300	U	4.300	U	4.300	U					4.300	U
		26-Mar-09	3.080		2.850		4.530		4.340		1.580		1.990		2.340		1.870								2.310	
		29-Apr-09	0.456		0.733		0.534		1.950		0.477		0.308		0.312		0.347								0.442	
		22-Jul-09	0.920		0.577		2.680		0.824		1.560		2.070		2.510		1.720								3.510	
		9-Oct-09	2.610		2.240		3.360		3.190		3.190		2.200		1.960		1.910								2.290	
		15-Jan-10	1.080		0.915		1.040		0.946		0.724		0.603		0.672		0.607								0.672	
		21-Apr-10	1.200		2.000		4.380		1.610		1.800		1.670		1.430		1.350								0.174	U
		16-Jul-10	0.868		0.568		1.290		1.120		1.290		0.729		1.890		0.694								0.330	
		15-Oct-10	0.642		0.972		1.340		0.408		0.299		0.174		0.468		0.174								0.317	
		30-Nov-10	NS		0.620		1.000		NS		NS		NS		0.230		NS								NS	
		26-Jan-11	2.810		2.600		2.910		3.320		2.590		2.790		2.540		3.450								3.480	
		26-Jan-11**	NS		4.300		5.100		NS		NS		NS		4.900		NS								NS	
		27-Apr-11	0.295		0.412		2.030		0.642		3.020		0.260		0.412		0.191								0.256	
		26-Jul-11	1.240		3.650		2.630		3.670		0.799		0.816		0.864		0.486								0.404	
		28-Oct-11	2.400		1.100		1.400		0.750		1.300		1.700		1.900		1.500								0.480	
		23-Jan-12	1.600		1.300		1.300		1.500		1.300		1.400		1.500		1.500								1.500	
		13-Apr-12	0.810		0.690		0.810		0.660		0.670		0.740		0.640		0.520								0.350	U
		2-Jul-12 resample	NS		NS		NS		NS		NS		NS		NS		0.260								0.260	U
		20-Jun-12	1.200		1.300		1.200		1.400		1.300		1.200		1.400		1.400								0.770	
		1-Nov-12	2.300		1.300		0.960		1.400		1.300		2.100		2.500		1.800								0.340	
		1-Feb-13	0.270		0.210		0.230		0.230		0.210		0.210		0.510		0.210								0.400	
		29-Apr-13	1.700		1.300		1.300		1.300		1.200		0.920		2.400		1.200								0.320	
		9-Jul-13	0.910		0.850		0.810		0.890		0.830		0.770		0.860		0.820								0.650	
		9-Jul-13 RIDEM	NS		NS		NS		NS		0.929		NS		NS		NS								0.669	
		18-Oct-13	2.200		0.300		0.300		1.600		2.300		0.310		4.200		1.300								1.300	
		9-Jan-14	10.000		15.000		0.380		0.400		0.420		0.360		0.820		0.430								0.330	
		24-Apr-14	0.220		0.170	U	0.250		0.170	U	0.170	U	0.170	U	0.260	U	0.280								0.170	U
		1-Aug-14	0.470		0.410		0.980		1.200		1.300		0.550		1.700		1.400								0.990	
		12-Sept-14 resample	NS		NS		NS		NS		NS		NS		0.330		NS								NS	
		22-Oct-14	0.590		0.420		0.310		0.260	U	0.330	U	0.270		0.300		0.380								0.690	
		20-Jan-15	0.390		0.440		0.360		0.530		0.400		0.550		0.720		0.770								0.800	
		30-Mar-15 resample	NS		NS		NS		NS		NS		NS		NS		NS								NS	
		22-Apr-15	1.800		1.900		1.800		1.600		2.300		1.400		1.900		1.800								0.560	
		21-Jul-15	1.800		0.720 ^		0.770		0.800		0.740		0.750		0.720		0.620								0.170 ^	
		23-Sept-15 resample	NS		NS		NS		NS		NS		NS		0.150 ^		NS								NS	
		29-Oct-15	0.500	U	1.900		3.600		0.470 ^	U	0.500	U	0.480		0.990		0.320 ^								0.500	U
		4-Dec-15 resample	NS		0.400	U	NS		NS		NS		NS		NS	U	NS								NS	
		27-Jan-16	0.75		0.24		0.25		0.31		0.25		0.38		0.55		0.46								0.26	
20-Apr-16 ^	0.26		0.17	U	0.17		0.17	U	0.17	U	0.17	U	0.17	U	0.17								0.17	U		
20-Jul-16	1.5		1.3		1.9		1.8		0.85		1.4		1.6		1								0.29			
21-Oct-16	1.4		1.9		1.1		2		0.93		0.98		0.44		0.98								8.3			
31-Jan-17	0.4		0.33		0.45		0.31		0.37		0.34		0.33		0.36								0.38			
17-Apr-17 ^	0.3		0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U							0.26	U		
26-Jul-17	1		1.1		1.3		1.2		1.1		1		1		1								0.19			
12-Oct-17	0.17	U	0.47		0.76		0.41		0.51		0.41		0.43		0.46								0.17	U		
10-Jan-18	0.86		1.90		1.60		1.80		0.73		0.77		2.0		0.94								0.17	U		
11-Apr-18	0.68		0.54		0.49		0.55		0.40		0.49		0.4		0.55								0.87^D	U		
27-Jul-18	0.27		0.37		0.46		0.42		0.3		1.2		0.41		0.36								0.23			
24-Oct-18	1.1		0.44		0.57		0.54		0.36		0.65		0.28		0.21								0.34			
16-Jan-19	0.85		0.7		0.68		0.73		0.71		0.8		0.76		0.35								0.26			
12-Apr-19	0.37		0.23		0.19		0.28		0.24		0.29		0.26		0.29								0.31			
29-Jul-19	0.98		0.34		0.46		0.49		0.55		0.64		0.69		0.34								0.39			
29-Oct-19	NS		0.37		0.4		0.41		0.43		0.43		0.44		NS								0.35			
1-Nov-19	0.58		NS		NS		NS		NS		NS		NS		0.88								NS			
21-Jan-20	0.57		0.44		0.49		0.45		0.51		0.46		0.44		0.33								0.34			
22-Apr-20	0.22		0.17		0.2		0.21		0.17	U	0.17	U	0.17	U	0.17	U							0.17	U		
23-Jul-20	0.39		0.24		0.27		0.26		0.35		0.28		0.41		0.35								0.17	U		
29-Oct-20	1.2		1.2		0.97		1.3		1.4		1.2		1.6		1.7								1.3			
19-Jan-21	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.21	U							0.18			
15-Apr-21	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.18	U	0.21	U	0.21	U							0.17	U		
21-Jul-21	0.53		0.61		0.63		0.47		0.89		0.81		0.87		0.78											



Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School - Volatile Organic Compounds  
February 2008 - January 2024

Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)		
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
			Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value
		8-Feb-08	0.280		0.270		0.870		0.610		0.210		0.170		0.150		0.160							0.200	
		27-Mar-08	0.762		0.718		1.340		1.120		0.920		1.060		0.640		0.668							0.087	U
		25-Apr-08	0.824		0.724		3.480		0.821		0.750		0.770		0.786		0.680							0.087	U
		29-May-08	0.130		0.120		2.080		1.000		0.110		0.180		0.150		0.090		U					0.090	U
		27-Jun-08	0.463		0.393		1.030		1.030		0.485		0.833		0.358		0.339							0.332	
		31-Jul-08	0.476		0.375		0.822		0.371		0.420		0.583		0.240		0.207							0.246	
		28-Aug-08	0.779		1.020		2.210		2.160		0.683		0.787		0.812		0.702							0.852	
		30-Sep-08	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U					2.200	U	
		27-Oct-08	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U					2.200	U	
		25-Nov-08	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U					2.200	U	
		18-Dec-08	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U					2.200	U	
		21-Jan-09	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U					2.200	U	
		25-Feb-09	2.200	U	2.200	U	2.600	NS	NS	U	2.200	U	2.200	U	2.200	U	2.200	U					2.200	U	
		26-Mar-09	1.080		0.798		1.090		1.020		0.551		0.718		0.824		0.651							0.826	
		29-Apr-09	0.143		0.186		0.085		0.442	U	0.165		0.100		0.104		0.108							0.156	
		22-Jul-09	0.347		0.195		0.690		0.247		0.555		0.742		0.911		0.590							1.240	
		9-Oct-09	0.850		0.724		0.954		0.920		0.764		0.764		0.720		0.698							0.759	
		15-Jan-10	0.404		0.321		0.356		0.338		0.273		0.230		0.256		0.230							0.273	
		21-Apr-10	0.425		0.686		1.260		0.577		0.629		0.603		0.564		0.482							0.087	U
		16-Jul-10	0.273		0.186		0.312		0.304		.503		0.200		0.703		0.230							0.126	
		15-Oct-10	0.186		0.265		0.347	U	0.130	U	0.139	U	0.087	U	2.000	U	0.087	U					0.104		
		30-Nov-10	NS		0.226		0.325		NS		NS		NS		0.091		NS						NS		
		26-Jan-11	1.000		0.981		1.020		1.150		0.948		1.030		0.922		1.270				1.000		0.392	1.280	
		26-Jan-11**	NS		1.600		1.900		NS		NS		NS		1.900		NS						NS		
		27-Apr-11	0.133		0.134		0.616		0.208		0.824		0.091		0.152		0.080		U					0.095	
		26-Jul-11	0.439		1.520		0.643		2.210		0.295		0.395		0.308		0.165							0.139	
		28-Oct-11	0.810		0.360		0.440		0.260		0.450		0.550		0.660		0.470							0.180	
		23-Jan-12	0.630		0.530		0.530		0.620		0.530		0.580		0.580		0.600							0.590	
		13-Apr-12	0.320		0.270		0.320		0.270		0.280		0.300		0.270		0.220							0.200	
		2-Jul-12 resample	NS		NS		NS		NS		NS		NS		NS		0.130		U				0.130	U	
		20-Jun-12	0.470		0.056		0.430		0.580		0.490		0.460		0.530		0.510							0.280	
		1-Nov-12	0.860		0.480		0.350		0.510		0.780		0.480		0.930		0.710							0.140	
		1-Feb-13	0.110		0.089		0.087	U	0.087	U	0.092	U	0.090	U	0.220	U	0.087	U					0.140		
		29-Apr-13	0.590		0.460		0.460		0.450		0.450		0.330		0.910		0.430		U					0.120	
		9-Jul-13	0.350		0.320		0.300		0.350		0.340		0.300		0.330		0.290							0.290	
		9-Jul-13 RIDEM	NS		NS		NS		NS		0.405		NS		NS		NS							0.330	
		18-Oct-13	0.660		0.100		0.100		0.500		0.770		0.110		1.300		0.850							0.460	
		9-Jan-14	4.000		6.100		0.160		0.160		0.160		0.160		0.330		0.190							0.140	
		24-Apr-14	0.087	U	0.087	U	0.094		0.087	U	0.087	U	0.087	U	0.099	U	0.120	U					0.087	U	
		1-Aug-14	0.200		0.160		0.310		0.700		0.690		0.230		0.940		0.770							0.560	
		12-Sept-14 resample	NS		NS		NS		NS		NS		NS		0.130		NS						NS		
		22-Oct-14	0.220		0.160		0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.160	U					0.250		
		20-Jan-15	0.130		0.180		0.140		0.200		0.150		0.200		0.260		0.260							0.260	
		30-Mar-15 resample	NS		NS		NS		NS		NS		NS		NS		0.140						NS		
		22-Apr-15	0.560		0.640		0.590		0.560		0.810		0.460		0.630		0.620							0.200	
		21-Jul-15	0.660		0.260 <sup>h</sup>		0.290		0.330		0.290		0.280		0.300		0.220							0.390 <sup>h</sup>	
		23-Sept-15 resample	NS		NS		NS		NS		NS		NS		0.360 <sup>h</sup>		NS						NS		
		29-Oct-15	0.300	U	0.840		0.390		0.130 <sup>h</sup>		0.200	U	0.150 <sup>h</sup>		0.420		0.130 <sup>h</sup>						0.300	U	
		4-Dec-15 resample	NS		0.200	U	NS		NS		NS		NS		NS	U	NS						NS		
		27-Jan-16	0.17		0.087	U	0.13		0.087	U	0.1		0.12		0.15		0.11						0.11		
		20-Apr-16 <sup>h</sup>	0.11		0.087	U	0.087	U	0.087	U	0.092	U	0.087	U	0.087	U	0.087	U					0.087	U	
		20-Jul-16	0.44 <sup>ns,w</sup>		0.37 <sup>ns,w</sup>		0.50 <sup>ns,w</sup>		0.50 <sup>ns,w</sup>		0.37 <sup>ns,w</sup>		0.48 <sup>ns,w</sup>		0.65 <sup>ns,w</sup>		0.36 <sup>ns,w</sup>						0.13 <sup>ns,w</sup>	U	
		21-Oct-16	0.49		0.64		0.36		0.66		0.34		0.35		0.17		0.33						2.9		
		31-Jan-17	0.17		0.15		0.2		0.13		0.15		0.13		0.14		0.12						0.16		
		17-Apr-17 <sup>h</sup>	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U					0.13	U	
		26-Jul-17	0.35		0.37		0.44		0.41		0.38		0.36		0.35		0.35						0.09		
		12-Oct-17	0.09	U	0.14		0.21		0.23		0.14		0.19		0.14		0.16						0.087	U	
		10-Jan-18	0.32		0.67		0.58		0.64		0.29		0.29		0.68		0.37						0.087	U	
		11-Apr-18	0.24		0.20		0.19		0.22		0.16		0.18		0.16		0.21						0.43 <sup>h</sup>	U	
		27-Jul-18	0.12		0.087	U	0.17		0.17		0.13	U	0.17		0.16		0.16						0.12		
		24-Oct-18	0.4		0.16		0.2		0.22		0.15		0.28		0.12		0.087		U				0.13		
		16-Jan-19	0.28		0.22		0.23		0.24		0.24		0.29		0.26		0.13						0.099		
		12-Apr-19	0.14		0.087		0.089		0.11		0.11		0.12		0.13		0.12						0.14		
		29-Jul-19	0.35		0.14		0.15		0.19		0.21		0.25		0.28		0.15						0.15		
		29-Oct-19	NS		0.14		0.15		0.16		0.18		0.17		0.17		NS						NS		
		1-Nov-19	0.2		NS		NS		NS		NS		NS		NS		0.38						0.15		
		22-Jan-20	0.24		0.18		0.24		0.22		0.19		0.2		0.18		0.15						0.15		
		21-Apr-20	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U					0.087	U	
		23-Jul-20	0.15		0.096		0.11		0.11		0.15		0.11		0.17		0.16						0.087	U	
		29-Oct-20	0.48		0.46		0.38		0.46		0.53		0.48		0.55		0.67						0.55		

**Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School - Volatile Organic Compounds  
February 2008 - January 2024**

Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Sample Date	Kitchen Storage Room	Cafeteria	Gymnasium	Elevator Hallway	Room 118	Room 110	Media Center (Rm 145)	Room 152	Room 149	Room 234	Ambient Outdoor (AOA-1)
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
<p>* = Site Specific Compound of Concern per ATSDR Health Consultation, December 4, 2006.            ** = Analyzed by Con-Test Analytical Laboratory            † Elevated Data is a result of inadvertent cross-contamination at the laboratory, and not resultant from soil vapor intrusion. Media Center/Room 145 was resampled on 28 January 2008 with Tetrachloroethylene concentration not detected by the laboratory (MDL = 0.14 ug/m<sup>3</sup>).            ‡ Elevated Tetrachloroethylene and Acetone data detected on 27 March 2008 was determined to be the result of cleaning products (e.g., graffiti remover, stainless steel polish, etc.) introduced to the school in February and March, and not the result of soil vapor intrusion.            § All samples collected on 20 April 2016 except for the Kitchen Storage Room, which was collected on 25 April 2016 due to inaccessibility of the room during spring break.            ¶ All samples collected on 17 April 2017 except for the Kitchen Storage Room, which was collected on 25 April 2017 due to inaccessibility of the room during spring break.            †† Summa canister had low pressure upon beginning sample collection, possible interference. Re-sampling effort on 25 April 2008 indicates no exceedences of applicable Acetone and Tetrachloroethylene Action Levels.            ††† Analyte found in associated blank as well as the sample but not expected to affect data due to sample concentration &gt;10x concentration found in blank.            †††† Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.            ††††† Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.            †††††† Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.            ††††††† Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.            †††††††† Estimated result as the result was between the MDL and the RDL.            ††††††††† Initial calibration verification did not meet standard. Reported value is likely to be biased on the high side.            †††††††††† Initial calibration did not meet standard and was biased on the low side. Reported result is estimated.            ††††††††††† Elevated method detection limits due to failure of Con-test internal standards. Applies to Ambient Outdoor Air sample.</p> <p>NOTES:            All data presented in micrograms per cubic meter (ug/m<sup>3</sup>).            Two values displayed with a slash indicates dilutions resulting in two different concentrations            U = Designation indicates that the compound was not detected by the laboratory. Reporting limit shown in the data column.            NS = Not sampled.            None = No Draft Proposed CT Residential TAC for this compound.            = exceedence of interim RIDEM-approved action level</p>													

## **APPENDIX C**

### **Subslab Vapor Analytical Summary**

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Summary of Subslab Air Sampling Data  
 Alvarez School  
 Volatile Organic Compounds  
 February 2008 - January 2024

Volatile Organic Compounds via TO-15	Sample Date	MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3	
		Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
	17-2																						
	27-Mar-08	NS		NS		NS		NS		4.75		NS		NS		NS		5.62		NS		11.4	NS
	28-Mar-08	NS		28.7		NS		NS		NS		NS		NS		NS		217		NS		217	12.4
	25-Apr-08	NS		NS		188		NS		NS		NS		513		NS		34		NS		NS	33.9
	29-May-08	NS		NS		NS		40.9		NS		NS		NS		92		16.4		NS		16.4	NS
	27-Jun-08	107		NS		NS		NS		145		NS		NS		NS		20.4		NS		20.4	9.73
	31-Jul-08	NS		101		NS		NS		NS		NS		NS		NS		14.4		NS		14.4	18.1
	28-Aug-08	NS		NS		1130		NS		NS		NS		30.9		NS		46		NS		46	47.8
	30-Sep-08	NS		NS		NS		32.8		NS		NS		NS		44.1		NS		NS		9.4	12.8
	27-Oct-08	19.6		NS		NS		15		NS		NS		NS		NS		17.9		NS		NS	33.3
	25-Nov-08	NS		148		NS		NS		NS		183		NS		NS		13		NS		24.7	NS
	18-Dec-08	NS		NS		856		NS		NS		NS		10.4		NS		NS		NS		37.2	22
	21-Jan-09	NS		NS		19.1		NS		NS		NS		6.1		NS		2.4		NS		NS	4.8
	25-Feb-09	28.6		NS		NS		NS		60.9		NS		NS		NS		9.5		U		8.3	NS
	26-Mar-09	NS		102		NS		NS		NS		47.5		NS		NS		NS		NS		50.6	64.8
	29-Apr-09	NS		1980		NS		NS		NS		NS		23.3		NS		5.15		NS		NS	22.1
	22-Jul-09	58.5		NS		58.5		148		NS		87.8		NS		NS		96		NS		88.1	NS
	9-Oct-09	NS		25.7		NS		NS		49.7		NS		9.2		11100		6.51		NS		16.8	NS
	15-Jan-10	33.6		NS		90.9		22.8		NS		26.3		NS		NS		12.5		NS		11.2	NS
	21-Apr-10	NS		21.9		NS		206		NS		263		NS		2870		72.8		NS		NS	73.4
	16-Jul-10	654		NS		4800		202		NS		11400		NS		NS		8.34		NS		21.1	NS
	15-Oct-10	NS		11.3		NS		NS		26		NS		10.2		NS		18.3		NS		NS	21.2
	26-Jan-11	114		26.8		NS		54.4		NS		34.4		NS		35.4		25.3		NS		33.3	NS
	28-Feb-11	NS		80.8		NS		NS		NS		NS		NS		NS		NS		NS		NS	NS
	27-Apr-11	NS		106		NS		NS		255		NS		220		NS		227		NS		17.8	NS
	26-Jul-11	76.2		NS		120		154		NS		2730		NS		NS		12.8		NS		23.8	NS
	28-Oct-11	NS		48		U		NS		48		NS		48		U		48		U		51	NS
	23-Jan-12	37		NS		36		19		NS		NS		28		NS		38		NS		29	NS
	13-Apr-12	NS		NS		32		NS		70		NS		32		NS		83		NS		NS	43
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	NS
	23-Jan-12	21		NS		30		370		NS		1600		NS		NS		43		U		21	NS
	1-Nov-12	NS		41		NS		NS		52		NS		75		NS		35		NS		NS	43
	1-Feb-13	17		NS		12		NS		NS		36		NS		NS		16		NS		12	NS
	29-Apr-13	NS		45		NS		NS		100		NS		68		NS		62		NS		NS	43
	9-Jul-13	100		NS		130		NS		130		NS		260		NS		80		NS		15	NS
	18-Oct-13	NS		43		NS		NS		61		NS		47		NS		57		NS		NS	42
	9-Jan-14	250		NS		16		25		NS		NS		11		NS		24		NS		33	NS
	24-Apr-14	NS		18		NS		NS		13		NS		41		NS		15		NS		24	NS
	1-Aug-14	NS		NS		110/99 <sup>ME</sup>		110/100 <sup>ME</sup>		NS		NS		NS		NS		31 <sup>M</sup>		57/50 <sup>ME</sup>		30	NS
	27-Aug-14	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	NS
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		210 <sup>F</sup> /130		NS		NS		NS		NS		NS	NS
	22-Oct-14	NS		31		NS		NS		14		NS		17		NS		3.8		NS		19	NS
	20-Jan-15	14		NS		23		NS		23		NS		NS		NS		39		NS		72	NS
	30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		45	NS
	22-Apr-15	NS		87 <sup>F</sup>		NS		NS		1.9 <sup>V</sup>		U		NS		43		55 <sup>V</sup> /68		NS		42	NS
	21-Jul-15	NS		NS		22		NS		20		NS		9.2		NS		42 <sup>V</sup>		NS		NS	49
	23-Sept-15 resample	NS		NS		NS		NS		NS		NS		NS		NS		5.0		NS		NS	NS
	29-Oct-15	NS		4.5		NS		NS		20		NS		11		NS		9.2		NS		11	NS
	4-Dec-15 resample	NS		1.9		NS		NS		NS		NS		NS		NS		NS		NS		NS	22
	27-Jan-16	8.4		NS		9.2		7.2		NS		8.6		NS		NS		49		NS		22	NS
	20-Apr-16	NS		7.3		NS		NS		8.4		NS		11		NS		35		NS		NS	21
	20-Jul-16	37		NS		56		44		NS		35		NS		NS		70		NS		51	NS
	21-Oct-16	NS		17		NS		NS		25		NS		22		NS		12		NS		29	NS
	31-Jan-17	7.4 <sup>V</sup>		NS <sup>L,V</sup>		8.9 <sup>L,V</sup>		5.9 <sup>L,V</sup>		NS		6.7 <sup>L,V</sup>		NS		NS		21 <sup>L,V</sup>		NS		20 <sup>L,V</sup>	NS
	17-Apr-17	NS		7		NS		NS		17		NS		13		NS		7.5		NS		33	NS
	26-Jul-17	19		NS		15		NS		17		NS		11		NS		NS		NS		16	NS
	12-Oct-17	NS		22		NS		NS		20		NS		52		NS		29		NS		NS	33
	10-Jan-18	39		NS		17		8.1		NS		NS		14		NS		NS		NS		26	NS
	11-Apr-18	NS		34		NS		NS		26		NS		36		NS		63		NS		NS	40
	23-May-18	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		19	NS
	27-Jul-18	73		NS		110		NS		130		NS		77		NS		83		NS		63	NS
	24-Oct-18	NS		13		NS		NS		13		NS		16		NS		21		NS		30	NS
	16-Jan-19	33		NS		6.9		6.1		NS		6.8		NS		NS		14		NS		21	NS
	12-Apr-19	NS		NS		NS		NS		17		NS		9.2		NS		7.7		NS		NS	51
	29-Jul-19	130 <sup>F</sup>		NS		92 <sup>F</sup>		130 <sup>F</sup>		NS		110 <sup>F</sup>		NS		NS		NS		NS		72 <sup>F</sup>	65 <sup>F</sup>
	26-Sep-19	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		68	NS
	29-Oct-19	NS		9.8		NS		NS		12		NS		6		NS		12		NS		35 <sup>F</sup>	24 <sup>F</sup>
	21-Jan-20	NS		9.20		NS		8.40		NS		3.10		NS		NS		NS		NS		9.50	11.00
	22-Apr-20	NS		15		NS		NS		25		NS		38		NS		60 <sup>F</sup>		NS		NS	40
	23-Jul-20	150 <sup>F</sup>		NS		260 <sup>F</sup>		130 <sup>F</sup>		NS		210 <sup>F</sup>		NS		NS		120 <sup>F</sup>		NS		92	NS
	29-Oct-20	NS		5.1		NS		NS		11		NS		6.6		NS		7.4		NS		25	NS
	19-Jan-21	7.4		NS		8.6		5.7		NS		5.4		NS		NS		26		NS		10 <sup>F</sup>	NS
	15-Apr-21	NS		14		NS		NS		11		NS		4.4		NS		13		NS		NS	15
	21-Jul-21	48		NS		50		61		NS		71		NS		NS		66		NS		25	NS
	20-Oct-21	NS		16		NS		NS		36		NS		60 <sup>F</sup>		NS		33		NS		NS	29
	9-Feb-22	6.7		NS		6.2		NS		45		NS		13		NS		NS		NS		16	NS
	7-Apr-22	NS		7.4		NS		NS		4		NS		5		NS		8.6		NS		10	NS
	28-Jul-22	8.5		NS		19		NS		23		NS		37		NS		NS		NS		37	NS
	18-Oct-22	NS		16		NS		NS		15		NS		8.9		NS		12		NS		18	NS
	24-Jan-23	NS		NS		5.2		NS		13		NS		13		NS		NS		NS		13	NS
	19-Apr-23	NS		6.4		NS		NS		11		NS		11		NS		16		NS		NS	22
	5-Jul-23	NS		NS		NS		19		NS		NS		NS		NS		NS		NS		NS	NS
	18-Jul-23	20		NS		34		NS		NS		NS		42		NS		NS		NS		30	NS
	25-Oct-23	NS		15		NS		NS		17		NS		32		NS		33		NS		NS	42
	9-Jan-24	8.4		NS		7																	

Summary of Subslab Air Sampling Data  
 Alvarez School  
 Volatile Organic Compounds  
 February 2008 - January 2024

Volatile Organic Compounds via TO-15		MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3	
Sample Date	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	
8-Feb-08	1.08	U	NS	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
27-Mar-08	NS	U	1.08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
25-Apr-08	NS	U	NS	NS	1.08	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
29-May-08	NS	U	NS	NS	NS	U	NS	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
27-Jun-08	1.69	U	NS	NS	NS	U	NS	NS	NS	1.08	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
31-Jul-08	1.08	U	NS	NS	NS	U	NS	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
28-Aug-08	NS	U	NS	NS	1.08	U	NS	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
30-Sep-08	NS	U	NS	NS	NS	U	NS	NS	NS	2.2	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
27-Oct-08	2.2	U	NS	NS	NS	U	NS	NS	NS	2.2	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
25-Nov-08	NS	U	2.2	NS	NS	U	NS	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
19-Dec-08	NS	U	NS	NS	NS	U	NS	NS	NS	2.2	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
21-Jan-09	NS	U	NS	NS	NS	U	NS	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
25-Feb-09	2.2	U	NS	NS	NS	U	NS	NS	NS	2.2	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
26-Mar-09	NS	U	5.42	NS	NS	U	NS	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
29-Apr-09	NS	U	NS	NS	NS	U	NS	NS	NS	1.08	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
22-Jul-09	5.42	U	NS	NS	5.42	U	NS	NS	NS	5.42	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
9-Oct-09	NS	U	0.051	U	NS	U	NS	NS	NS	1.08	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
15-Jan-10	1.08	U	NS	NS	1.08	U	NS	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
21-Apr-10	NS	U	1.08	U	NS	U	NS	NS	NS	5.42	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
16-Jul-10	1.08	U	NS	NS	1.08	U	NS	NS	NS	8.19	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
15-Oct-10	NS	U	0.108	U	NS	U	NS	NS	NS	1.08	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
26-Jan-11	1.08	U	NS	NS	NS	U	NS	NS	NS	5.42	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
28-Feb-11	NS	U	NS	NS	1.08	U	NS	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
27-Apr-11	1.08	U	NS	NS	NS	U	NS	NS	NS	1.08	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
26-Jul-11	3.62	U	NS	NS	3.62	U	NS	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
28-Oct-11	NS	U	6.2	U	NS	U	NS	NS	NS	6.2	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
23-Jan-12	1.2	U	NS	NS	1.2	U	NS	NS	NS	1.2	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
13-Apr-12	NS	U	1.2	U	NS	U	NS	NS	NS	1.2	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
24-Jul-12 (resample)	NS	U	NS	NS	NS	U	NS	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
23-Jan-12	1.2	U	NS	NS	1.2	U	NS	NS	NS	1.2	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
1-Nov-12	NS	U	0.25	U	NS	U	NS	NS	NS	0.25	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
1-Feb-13	0.25	U	NS	NS	0.25	U	NS	NS	NS	0.25	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
29-Apr-13	NS	U	0.62	U	NS	U	NS	NS	NS	0.25	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
9-Jul-13	0.37	U	NS	NS	0.25	U	NS	NS	NS	0.25	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
18-Oct-13	NS	U	0.25	U	NS	U	NS	NS	NS	0.25	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
9-Jan-14	0.25	U	NS	NS	0.25	U	NS	NS	NS	0.25	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
24-Apr-14	NS	U	0.25	U	NS	U	NS	NS	NS	0.25	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
1-Aug-14	0.25	U	NS	NS	0.37	U	NS	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
27-Aug-14	NS	U	NS	NS	NS	U	NS	NS	NS	0.25	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
12-Sept-14 (resample)	NS	U	NS	NS	NS	U	NS	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
22-Oct-14	NS	U	0.37 <sup>+</sup>	U	NS	U	NS	NS	NS	0.37 <sup>+</sup>	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
20-Jan-15	0.25	U	NS	NS	0.25	U	NS	NS	NS	0.25	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
30-Mar-15 (resample)	NS	U	NS	NS	NS	U	NS	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
22-Apr-15	NS	U	0.26 <sup>+</sup>	U	NS	U	NS	NS	NS	0.25 <sup>+</sup>	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
21-Jul-15	0.1	U	NS	NS	0.4	U	NS	NS	NS	2	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
23-Sept-15 resample	NS	U	NS	NS	NS	U	NS	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
29-Oct-15	NS	U	0.1	U	NS	U	NS	NS	NS	0.1	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
4-Dec-15 resample	NS	U	NS	NS	NS	U	NS	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
27-Jan-16	0.25	U	NS	NS	0.25	U	NS	NS	NS	0.25	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
20-Apr-16	NS	U	0.25	U	NS	U	NS	NS	NS	0.25	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
20-Jul-16	1.3	U	NS	NS	1.3 <sup>***</sup>	U	NS	NS	NS	1.3	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
21-Oct-16	NS	U	0.25	U	NS	U	NS	NS	NS	0.25	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
31-Jan-17	0.25	U	NS	NS	0.25	U	NS	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
17-Apr-17	NS	U	0.38	U	NS	U	NS	NS	NS	0.38	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
26-Jul-17	0.25	U	NS	NS	0.25	U	NS	NS	NS	0.25	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
12-Oct-17	NS	U	0.25	U	NS	U	NS	NS	NS	0.25	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
10-Jan-18	0.25	U	NS	NS	0.25	U	NS	NS	NS	0.25	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
11-Apr-18	NS	U	0.25	U	NS	U	NS	NS	NS	2.5	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
23-May-18	NS	U	NS	NS	NS	U	NS	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
27-Jul-18	1.3	U	NS	NS	1.3	U	NS	NS	NS	1.3	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
24-Oct-18	NS	U	1.2	U	NS	U	NS	NS	NS	1.2	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
16-Jan-19	0.25	U	NS	NS	0.25	U	NS	NS	NS	0.25	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
12-Apr-19	NS	U	0.25	U	NS	U	NS	NS	NS	0.25	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
29-Jul-19	0.38	U	NS	NS	0.38	U	NS	NS	NS	0.25	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
26-Sep-19	NS	U	NS	NS	NS	U	NS	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
29-Oct-19	NS	U	0.25	U	NS	U	NS	NS	NS	0.25	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
21-Jan-20	0.25 <sup>w</sup>	U	NS	NS	0.25 <sup>w</sup>	U	NS	NS	NS	0.25 <sup>w</sup>	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
22-Apr-20	NS	U	0.25	U	NS	U	NS	NS	NS	0.25	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
23-Jul-20	0.25	U	NS	NS	0.25	U	NS	NS	NS	0.5	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
29-Oct-20	NS	U	0.25	U	NS	U	NS	NS	NS	0.25	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
19-Jan-21	0.25	U	NS	NS	0.25	U	NS	NS	NS	0.25	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
15-Apr-21	NS	U	0.25	U	NS	U	NS	NS	NS	0.25	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
21-Jul-21	0.25	U	NS	NS	0.25	U	NS	NS	NS	0.25	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
20-Oct-21	NS	U	0.25	U	NS	U	NS	NS	NS	0.25	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
9-Feb-22	0.25	U	NS	NS	0.25	U	NS	NS	NS	0.25	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
7-Apr-22	NS	U	0.25	U	NS	U	NS	NS	NS	0.25	U	NS	NS	NS	NS	NS	NS	1.08	U	NS	NS	NS	
28-Jul																							

Summary of Subslab Air Sampling Data  
 Alvarez School  
 Volatile Organic Compounds  
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Volatile Organic Compounds via TO-15	Sample Date	MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3	
		Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
	8-Feb-08		0.92		NS		NS		NS		0.98		NS		NS		NS		0.54		0.85		NS
	27-Mar-08		NS		0.54		NS		NS		NS		0.462		NS		NS		NS		0.788		0.635
	25-Apr-08		NS		NS		NS		NS		0.584		NS		0.745		NS		0.428		NS		0.536
	29-May-08		NS		NS		NS		NS		0.73		NS		NS		1.03		NS		1.12		0.61
	27-Jun-08		0.626		NS		NS		NS		0.468		NS		NS		NS		NS		0.499		0.399
	31-Jul-08		NS		0.418		NS		NS		NS		NS		NS		NS		0.558		NS		0.265
	28-Aug-08		NS		NS		1.02		NS		NS		NS		0.537		NS		0.815		NS		0.692
	30-Sep-08		NS		NS		NS		1.6	U	NS		NS		NS		1.6	U	NS		1.6	U	1.6
	27-Oct-08		NS	U	NS		1.6	U	NS		1.6	U	NS		1.6	U	NS	U	1.6	U	NS	U	1.6
	25-Nov-08		NS		1.6		NS		NS		NS		1.6	U	NS		NS		1.6	U	NS	U	1.6
	18-Dec-08		NS		NS		1.6	U	NS		NS		NS		1.6	U	NS		1.6	U	NS	U	1.6
	21-Jan-09		NS		NS		NS		1.6	U	NS		NS		NS		1.6	U	NS		1.6	U	1.6
	25-Feb-09		NS	U	NS		NS		1.6	U	NS		NS		NS		1.6	U	NS		1.6	U	NS
	26-Mar-09		NS		2.1		NS		NS		NS		2.23	U	NS		NS		NS		0.945		1.48
	29-Apr-09		NS	U	NS		0.603		NS		NS		NS		0.246		NS		0.223	U	NS		0.367
	22-Jul-09		NS		NS		2.23		NS	U	NS		1.45		NS		NS		4.27		NS		0.629
	9-Oct-09		NS		1.15		NS		NS		0.974		NS		0.431		NS	U	46.6	U	NS		0.824
	15-Jan-10		0.763		NS		0.887		NS		0.98		NS		1.26		NS		0.964		0.964		NS
	21-Apr-10		NS		0.373		NS		NS		0.16		NS		1.61		NS	U	0.625		NS		1.26
	16-Jul-10		0.332		NS		1.53		0.689		NS		2.41	U	NS		NS		0.319	U	NS		NS
	15-Oct-10		NS		0.319		NS	U	NS		0.319		NS		0.319		NS	U	0.319	U	NS	U	0.319
	26-Jan-11		3.19	U	NS		2.49		NS		2.46		NS		1.6		NS		1.85		1.8		NS
	28-Feb-11		NS		NS		3.19		NS		NS		NS		NS		NS		NS		NS		NS
	27-Apr-11		NS		NS		0.319		NS		0.319		NS	U	NS		NS	U	0.354		NS		0.319
	26-Jul-11		1.06	U	NS		1.06	U	0.434		NS		1.6	U	NS		NS		0.319	U	1.6	U	NS
	28-Oct-11		NS		1.6		NS		1.6		NS		1.6	U	NS		NS	U	1.6	U	NS	U	1.6
	23-Jan-12		0.84		NS		1.2		0.98		NS		0.81		NS		NS		NS		1.4		NS
	13-Apr-12		NS		0.32		NS	U	NS		0.32		NS	U	NS		0.32	U	0.32	U	NS	U	0.32
	2-Jul-12 (resample)		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
	23-Jan-12		0.45		NS		0.61		0.88		NS		0.43		NS		NS		0.42		0.4		NS
	1-Nov-12		NS		0.45		NS		NS		0.43		NS		0.49		NS		0.61		NS		1
	1-Feb-13		0.33		NS		0.45		0.47		NS		0.35		NS		NS		0.45		0.46		NS
	29-Apr-13		NS		0.41		NS		NS		0.38		NS		0.41		0.63		NS		0.67		NS
	9-Jul-13		0.64		NS		0.93		NS		0.76		NS		0.70		NS		NS		NS		NS
	18-Oct-13		NS		0.66		NS		NS		0.63		NS		0.86		NS		1.0		0.28		NS
	9-Jan-14		NS		NS		1.1		0.97		NS		NS		1.1		NS		1.5		NS		NS
	24-Apr-14		NS		0.3		NS		NS		0.22		NS		0.32		NS		0.39		0.34		0.35
	1-Aug-14		0.49		NS		0.790/0.76		0.68/0.69		NS		NS		NS		NS		0.34		0.43		NS
	27-Aug-14		NS		NS		NS		NS		NS		0.69		NS		NS		NS		NS		NS
	12-Sept-14 (resample)		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U	NS
	22-Oct-14		NS		0.28		NS		NS		0.21		0.19		0.34		0.14		0.36		0.32		NS
	20-Jan-15		0.42		NS		0.33		0.45		NS		0.31		NS		NS		0.63		0.46		NS
	30-Mar-15 (resample)		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
	22-Apr-15		NS		0.48		NS		NS		0.35		NS		NS		0.46		NS		0.84		0.93
	21-Jul-15		0.35		NS		0.520		3	U	NS		0.29		NS		NS		0.29		0.41		NS
	23-Sept-15 resample		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
	29-Oct-15		NS		0.15		NS		NS		0.19		NS		0.26		NS		0.27		NS		0.23
	4-Dec-15 resample		NS		0.11		NS		NS		NS		NS		NS		NS		NS		NS		NS
	27-Jan-16		0.32		NS		0.5		0.53		NS		0.43		NS		NS		0.72		0.69		NS
	20-Apr-16		NS		NS		NS		NS		NS		0.27		NS		0.32		NS		NS		0.47
	20-Jul-16		0.32	U	NS		0.41		NS		0.41		0.68		NS		NS		NS		NS		NS
	21-Oct-16		NS		NS		NS		NS		0.84		NS		0.58		1.3		0.39		NS		0.064
	31-Jan-17		0.24		NS		0.43		0.27		NS		0.37		NS		NS		0.66		NS		NS
	17-Apr-17		NS		NS		NS		NS		0.26		NS		NS		0.24		NS		0.29		0.39
	26-Jul-17		0.2		NS		0.41		0.36		NS		0.37		NS		NS		0.4		0.5		NS
	12-Oct-17		NS		0.18		NS		NS		0.17		NS		0.23		0.4		0.37		NS		0.32
	10-Jan-18		0.26		NS		0.46		NS		0.46		NS		0.44		NS		NS		0.73		0.35
	11-Apr-18		NS		0.36		NS		NS		0.64		NS	U	NS		0.64	U	0.99		NS		0.81
	23-May-18		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
	27-Jul-18		0.32	U	NS		0.6		0.39		NS		0.43		NS		NS		NS		0.37	U	NS
	24-Oct-18		NS		0.32		NS		NS		0.32		NS	U	NS		0.32	U	NS		NS		0.47
	16-Jan-19		0.55		NS		0.5		0.64		NS		0.48		NS		NS		NS		1		NS
	12-Apr-19		NS		0.44		NS		NS		0.37		NS		0.18		0.71		NS		NS		0.54
	29-Jul-19		0.6		NS		0.88		NS		NS		1.3		NS		NS		0.67		NS		NS
	26-Sep-19		NS		NS		NS		NS		NS		NS		NS		NS		NS		0.58		NS
	29-Oct-19		NS		0.29		NS		NS		0.28		NS		0.25		0.37		0.42		0.54		0.47
	21-Jan-20		0.20		NS		0.34		NS		NS		NS		NS		NS		NS		0.69		NS
	22-Apr-20		NS		0.12		NS		NS		0.18		NS		0.064		U	0.14		0.21		NS	0.21
	23-Jul-20		0.66		NS		0.66		0.49		NS		0.91		NS		NS		NS		0.43		NS
	29-Oct-20		NS		0.48		NS		NS		0.6		NS		NS		0.35		0.77		NS	U	0.064
	19-Jan-21		0.31		NS		0.38		NS		0.37		NS		0.36		NS		NS		NS		NS
	15-Apr-21		NS		NS		NS		NS		0.29		NS		0.2		NS		NS		0.49		NS
	21-Jul-21		1		NS		1.6		0.73		NS		1.1		NS		NS		NS		1.1		NS
	20-Oct-21		NS		0.34		NS		NS		0.47		NS		NS		0.34		NS		NS		0.46
	9-Feb-22		0.22		NS		0.32		NS		0.4		NS		0.23		NS		NS		0.94		NS
	7-Apr-22		NS		0.29		NS		NS		0.19		NS		0.34		NS		0.32		NS		0.57
	28-Jul-22		0.39		NS		0.48		NS		0.45		NS		0.89		NS		NS		NS		NS
	18-Oct-22		NS		0.28		NS		NS		0.39		NS		0.28		NS		0.3		NS		0.47
	24-Jan-23		0.59		NS		0.45		NS		0.74		NS		0.64		NS		NS		0.93		NS
	19-Apr-23		NS		0.23		NS		NS		NS		0.23		NS		0.12		0.24		NS		0.29
	5-Jul-23		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
	18-Jul-23		0.38		NS		0.42		NS		0.48		NS		0.48		NS		NS		0.38		NS
	25-Oct-23		NS		NS		NS		NS		0.51		NS		NS		0.39						

Summary of Subslab Air Sampling Data  
 Alvarez School  
 Volatile Organic Compounds  
 February 2008 - January 2024

Volatile Organic Compounds via TO-15	Sample Date	MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3	
		Qual	Val	Qual	Val	Qual	Val	Qual	Val	Qual	Val	Qual	Val	Qual	Val	Qual	Val	Qual	Val	Qual	Val	Qual	Val
	8-Feb-08		0.13	U	NS		NS		NS		NS		NS		NS		NS		0.13		0.13		NS
	27-Mar-08		NS		0.134		NS		NS		NS		0.134		NS		NS		NS		0.134		U
	25-Apr-08		NS		NS		0.134		U		NS		NS		0.134		U		NS		NS		U
	29-May-08		NS		NS		NS		0.13		U		NS		NS		NS		0.13		U		NS
	27-Jun-08		0.209		NS		NS		NS		NS		0.134		U		NS		NS		NS		U
	31-Jul-08		NS		0.134		NS		NS		NS		NS		NS		NS		0.134		U		U
	28-Aug-08		NS		NS		0.134		U		NS		NS		0.134		U		NS		0.134		U
	30-Sep-08		NS		NS		NS		0.52		NS		NS		NS		NS		NS		0.23		U
	27-Oct-08		0.13		U		NS		NS		NS		1.07		NS		NS		NS		NS		U
	25-Nov-08		NS		0.13		NS		NS		NS		0.13		NS		NS		NS		0.13		U
	19-Dec-08		NS		NS		0.13		U		NS		NS		NS		NS		NS		0.13		U
	21-Jan-09		NS		NS		NS		0.13		U		NS		NS		NS		0.13		U		U
	25-Feb-09		0.13		U		NS		NS		0.13		U		NS		NS		NS		0.13		U
	26-Mar-09		NS		0.67		U		NS		NS		1.34		U		NS		NS		0.134		U
	29-Apr-09		NS		NS		0.134		U		NS		NS		0.134		U		NS		NS		U
	22-Jul-09		0.67		U		NS		27.3		U		1.34		U		NS		NS		0.134		U
	9-Oct-09		NS		0.134		U		NS		NS		0.134		U		NS		28		0.134		U
	15-Jan-10		0.134		U		NS		0.134		U		NS		0.134		U		NS		0.134		U
	21-Apr-10		NS		0.134		U		NS		NS		0.67		U		NS		0.67		0.134		U
	16-Jul-10		0.134		U		0.134		U		0.134		1.01		NS		NS		NS		0.134		U
	15-Oct-10		NS		0.134		U		NS		NS		0.134		U		0.134		U		NS		U
	26-Jan-11		1.34		U		NS		0.134		U		NS		0.67		NS		0.67		U		NS
	28-Feb-11		NS		NS		1.34		U		NS		NS		NS		NS		NS		NS		U
	27-Apr-11		NS		0.134		NS		0.134		U		0.134		U		0.134		U		0.134		U
	26-Jul-11		0.447		U		NS		0.447		U		0.134		U		NS		0.134		U		U
	28-Oct-11		NS		3.4		U		NS		NS		3.4		U		3.4		U		NS		U
	23-Jan-12		0.67		U		NS		0.67		U		NS		0.67		U		NS		0.67		U
	13-Apr-12		NS		0.34		U		NS		NS		0.34		U		NS		0.34		U		U
	24-Jul-12 (resample)		NS		NS		NS		NS		NS		NS		NS		NS		NS		1.7		U
	23-Jan-12		0.67		U		NS		0.67		U		NS		0.67		U		NS		0.67		U
	1-Nov-12		NS		0.067		U		NS		NS		0.067		U		0.067		U		0.067		U
	1-Feb-13		0.067		U		NS		0.067		U		NS		0.067		U		NS		0.067		U
	29-Apr-13		NS		0.16		NS		NS		0.067		U		0.067		U		0.067		NS		U
	9-Jul-13		0.1		U		NS		0.067		U		NS		0.067		U		NS		0.23		U
	18-Oct-13		NS		0.13		U		NS		0.13		U		NS		0.13		U		NS		U
	9-Jan-14		0.13		U		NS		0.13		U		NS		0.13		U		NS		0.13		U
	24-Apr-14		NS		0.13		U		NS		NS		0.13		U		NS		0.13		U		U
	1-Aug-14		0.13		U		NS		0.20		U		NS		0.13		U		NS		0.13		U
	27-Aug-14		NS		NS		NS		NS		NS		0.067		U		NS		NS		NS		U
	12-Sept-14 (resample)		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		U
	22-Oct-14		NS		0.10		NS		0.10		U		0.10		U		0.10		U		0.10		U
	20-Jan-15		0.067		U		NS		0.067		U		NS		NS		NS		0.1		0.067		U
	30-Mar-15 (resample)		NS		NS		NS		NS		NS		NS		NS		NS		NS		0.075		U
	22-Apr-15		NS		0.069		U		NS		NS		0.067		U		0.097		U		0.067		U
	21-Jul-15		0.3		U		NS		7		U		NS		0.4		U		NS		0.40 <sup>U</sup>		U
	23-Sept-15 resample		NS		NS		NS		NS		NS		NS		NS		NS		0.3		NS		U
	29-Oct-15		NS		0.4		U		NS		0.4		NS		0.6		U		0.3		NS		U
	4-Dec-15 resample		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		U
	27-Jan-16		0.067		U		NS		0.067		U		NS		0.067		U		NS		0.42		U
	20-Apr-16		NS		0.067		NS		NS		0.83		NS		0.067		U		0.067		U		NS
	20-Jul-16		0.34		U		NS		0.34		U		NS		0.38		NS		0.43		0.34		U
	21-Oct-16		NS		0.067		NS		NS		0.067		U		NS		0.067		U		NS		U
	31-Jan-17		0.067		U		NS		0.067		U		NS		0.067		U		NS		0.067		U
	17-Apr-17		NS		0.10		U		NS		0.10		U		NS		0.10		U		NS		U
	26-Jul-17		0.067		U		NS		0.067		U		NS		0.067		U		NS		0.067		U
	12-Oct-17		NS		0.067		NS		NS		0.067		U		NS		0.17		U		NS		U
	10-Jan-18		0.067		U		NS		0.067		U		NS		0.067		U		NS		0.067		U
	11-Apr-18		NS		0.13		U		NS		1.3		NS		1.3		U		1.3		NS		U
	23-May-18		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		U
	27-Jul-18		0.34		U		NS		0.34		U		NS		0.34		U		NS		0.34		U
	24-Oct-18		NS		0.34		U		NS		0.34		NS		0.34		U		NS		0.34		U
	16-Jan-19		0.067		U		NS		0.067		U		NS		0.067		U		NS		0.067		U
	12-Apr-19		NS		0.067		U		NS		NS		0.067		U		0.084		U		NS		U
	29-Jul-19		0.1		U		NS		0.1		U		NS		0.067		U		NS		0.067		U
	26-Sep-19		NS		NS		NS		NS		NS		NS		NS		NS		NS		0.1		U
	29-Oct-19		NS		0.067		U		NS		0.067		U		NS		0.067		U		0.34 <sup>U</sup>		U
	21-Jan-20		0.07		U		NS		0.07		U		NS		0.07		U		NS		0.07		U
	22-Apr-20		NS		0.067		NS		NS		0.067		U		NS		0.067		U		NS		U
	23-Jul-20		0.067		U		NS		0.067		U		NS		0.13		U		NS		0.13		U
	29-Oct-20		NS		0.067		U		NS		0.067		U		NS		0.067		U		NS		U
	19-Jan-21		0.067		U		NS		0.067		U		NS		0.067		U		NS		0.1 <sup>U</sup>		U
	15-Apr-21		NS		0.067		U		NS		NS		0.067		U		NS		0.067		U		U
	21-Jul-21		0.067		U		NS		0.067		U		NS		0.067		U		NS		0.067		U
	20-Oct-21		NS		0.067		U		NS		0.067		U		NS		0.067		U		NS		U
	9-Feb-22		0.067		U		NS		0.067		U		NS		0.067		U		NS		0.067		U
	7-Apr-22		NS		0.067		U		NS		0.067		U		NS		0.067		U		NS		U
	28-Jul-22		0.067		U		NS		0.067		U		NS		0.067		U		NS		0.067		U
	18-Oct-22		NS		0.067		U		NS		NS		0.067		U		NS		0.067		U		U
	24-Jan-23		0.067		U		NS		0.067		U		NS		0.067		U		NS		0.067		U
	19-Apr-23		NS		0.067		U		NS		NS		0.067		U		NS		0.067		U		U
	5-Jul-23		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		U
	18-Jul-23		0.067		U		NS		0.067		U		NS		0.067		U		NS		0.067		U
	25-Oct-23		NS		0.067		U		NS		NS		NS		0.1		U		NS		0.067		U
	9-Jan-24		0.067		U		NS		0.067		U		NS		0.067		U		NS		0.067		U



Summary of Subslab Air Sampling Data  
 Alvarez School  
 Volatile Organic Compounds  
 February 2008 - January 2024

Volatile Organic Compounds via TO-15		MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual	
Sample Date																								
8-Feb-08	0.21	NS	U	NS	NS	NS	NS	NS	NS	0.21	NS	NS	NS	NS	NS	NS	NS	0.21	NS	0.21	NS	NS	NS	
27-Mar-08	NS	0.206	U	NS	NS	NS	NS	NS	NS	NS	0.206	NS	NS	NS	NS	NS	NS	NS	0.206	NS	0.206	NS	0.206	
25-Apr-08	NS	NS	U	NS	0.206	U	NS	NS	NS	NS	NS	U	NS	0.206	U	NS	NS	0.206	U	NS	NS	0.206	U	
29-May-08	NS	NS	U	NS	NS	NS	NS	0.21	U	NS	NS	NS	NS	0.21	U	NS	NS	0.21	U	NS	NS	0.21	U	
27-Jun-08	0.322	NS	U	NS	NS	NS	NS	NS	NS	0.206	NS	NS	NS	NS	NS	NS	NS	NS	0.206	U	NS	0.206	U	
31-Jul-08	0.206	NS	U	NS	0.206	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.206	U	NS	0.206	U	
28-Aug-08	NS	NS	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	z	U	NS	NS	0.206	U	NS	0.206	NS	U	
30-Sep-08	NS	NS	U	NS	NS	NS	NS	0.41	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.41	U	NS	0.41	U	
27-Oct-08	0.41	NS	U	NS	NS	NS	NS	NS	NS	0.41	U	NS	NS	NS	NS	NS	NS	NS	0.41	U	NS	0.41	U	
25-Nov-08	NS	0.14	NS	NS	NS	NS	NS	NS	NS	NS	0.41	NS	NS	NS	NS	NS	NS	NS	0.41	U	NS	0.41	U	
19-Dec-08	NS	NS	U	NS	0.41	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.41	U	NS	0.41	U	
21-Jan-09	NS	NS	U	NS	NS	NS	NS	0.41	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.41	U	NS	0.41	U	
25-Feb-09	0.41	NS	U	NS	NS	NS	NS	0.14	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.41	U	NS	0.41	U	
26-Mar-09	NS	1.03	NS	NS	NS	NS	NS	NS	NS	NS	2.06	NS	NS	NS	NS	NS	NS	NS	NS	0.206	U	NS	0.206	
29-Apr-09	NS	NS	U	NS	0.206	U	NS	NS	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.206	U	NS	0.206	U	
22-Jul-09	1.03	U	NS	NS	42	U	NS	2.06	U	NS	1.03	U	NS	NS	NS	NS	NS	NS	0.206	U	NS	0.206	U	
9-Oct-09	NS	0.206	U	NS	NS	NS	NS	NS	NS	0.206	U	NS	NS	NS	NS	NS	NS	NS	0.206	U	NS	0.206	U	
15-Jan-10	0.206	NS	U	NS	0.206	U	NS	0.206	U	NS	0.206	NS	NS	NS	NS	NS	NS	NS	0.206	U	NS	0.206	U	
21-Apr-10	NS	0.206	U	NS	NS	NS	NS	NS	NS	1.03	U	NS	NS	1.03	U	NS	NS	NS	0.206	U	NS	0.206	U	
16-Jul-10	0.206	U	NS	NS	0.206	U	NS	0.206	U	NS	1.56	NS	NS	NS	NS	NS	NS	NS	0.206	U	NS	0.206	U	
15-Oct-10	NS	0.206	U	NS	NS	NS	NS	NS	NS	0.206	U	NS	NS	0.206	U	NS	NS	NS	0.206	U	NS	0.206	U	
26-Jan-11	0.206	NS	U	NS	NS	NS	NS	0.206	U	NS	1.03	NS	NS	1.03	U	NS	NS	NS	1.03	U	NS	1.03	U	
28-Feb-11	NS	NS	U	NS	2.06	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
27-Apr-11	NS	0.206	U	NS	NS	NS	NS	NS	NS	0.206	U	NS	NS	0.206	U	NS	NS	NS	0.206	U	NS	0.206	U	
26-Jul-11	0.69	U	NS	NS	0.69	U	NS	0.207	U	NS	1.03	U	NS	NS	NS	NS	NS	NS	0.207	U	NS	1.03	U	
28-Oct-11	NS	5.2	U	NS	NS	NS	NS	NS	NS	5.2	U	NS	NS	5.2	U	NS	NS	NS	5.2	U	NS	5.2	U	
23-Jan-12	1	U	NS	1	NS	1	U	NS	1	NS	1	U	NS	1	U	NS	NS	1	NS	1	U	NS	1	
13-Apr-12	NS	NS	U	NS	NS	NS	NS	NS	NS	1	U	NS	NS	1	U	NS	NS	NS	NS	NS	NS	NS	NS	
24-Jul-12 (resample)	NS	NS	U	NS	NS	NS	NS	1	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
23-Jan-12	1	U	NS	1	NS	1	U	NS	1	NS	1	U	NS	1	U	NS	NS	1	NS	1	U	NS	1	
1-Nov-12	NS	0.21	U	NS	NS	NS	NS	NS	NS	0.21	U	NS	NS	0.21	U	NS	NS	NS	0.21	U	NS	0.21	U	
1-Feb-13	0.21	NS	U	NS	0.21	U	NS	0.21	U	NS	0.21	U	NS	0.21	U	NS	NS	NS	0.21	U	NS	0.21	U	
29-Apr-13	NS	0.52	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
9-Jul-13	0.31	U	NS	0.21	NS	0.21	U	NS	0.21	U	NS	0.21	U	NS	0.21	U	NS	NS	0.21	U	NS	0.21	U	
18-Oct-13	NS	0.21	U	NS	NS	NS	NS	NS	NS	0.21	U	NS	NS	0.21	U	NS	NS	NS	0.21	U	NS	0.21	U	
9-Jan-14	0.21	U	NS	0.21	NS	0.21	U	NS	0.21	U	NS	0.21	U	NS	0.21	U	NS	NS	0.21	U	NS	0.21	U	
24-Apr-14	NS	0.21	U	NS	NS	NS	NS	NS	NS	0.21	U	NS	NS	0.21	U	NS	NS	NS	0.21	U	NS	0.31	U	
1-Aug-14	0.21	U	NS	0.21	NS	0.21	U	NS	0.21	U	NS	0.21	U	NS	0.21	U	NS	NS	0.21	U	NS	0.21	U	
27-Aug-14	NS	NS	U	NS	NS	NS	NS	NS	NS	NS	0.21	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
12-Sept-14 (resample)	NS	NS	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
22-Oct-14	NS	0.31	NS	NS	NS	NS	NS	NS	NS	0.31	U	NS	0.31	U	NS	0.31	U	NS	NS	NS	NS	NS	NS	
20-Jan-15	0.21	U	NS	0.21	NS	0.21	U	NS	0.21	U	NS	0.21	U	NS	0.21	U	NS	NS	0.21	U	NS	0.21	U	
30-Mar-15 (resample)	NS	NS	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
22-Apr-15	NS	0.21	U	NS	NS	NS	NS	NS	NS	0.21	U	NS	NS	0.21	U	NS	0.03	U	NS	0.21	U	NS	0.24	U
21-Jul-15	0.5	U	NS	2	U	NS	10	U	NS	0.6	U	NS	NS	NS	NS	NS	NS	NS	0.50 <sup>19</sup>	U	NS	0.60 <sup>19</sup>	U	
23-Sept-15 resample	NS	NS	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
29-Oct-15	NS	0.6	U	NS	NS	NS	NS	NS	NS	0.6	U	NS	NS	NS	NS	NS	NS	NS	0.5	U	NS	0.5	U	
4-Dec-15 resample	NS	NS	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
27-Jan-16	0.21	U	NS	0.21	NS	0.21	U	NS	0.21	U	NS	0.21	U	NS	0.21	U	NS	NS	0.21	U	NS	0.21	U	
20-Apr-16	NS	0.21	U	NS	NS	NS	NS	NS	NS	0.21	U	NS	NS	0.21	U	NS	NS	NS	0.21	U	NS	0.21	U	
20-Jul-16	1.0	U	NS	1.0	NS	1.0	U	NS	1.0	U	NS	1.0	U	NS	1.0	U	NS	NS	1.0	U	NS	1.0	U	
21-Oct-16	NS	0.21	U	NS	NS	NS	NS	NS	NS	0.21	U	NS	NS	0.21	U	NS	NS	NS	0.21	U	NS	0.21	U	
31-Jan-17	0.21	NS	U	NS	0.21	NS	0.21	U	NS	NS	0.21	U	NS	NS	0.21	U	NS	NS	0.21	U	NS	0.21	U	
17-Apr-17	NS	0.310	U	NS	NS	NS	NS	NS	NS	0.310	U	NS	NS	0.310	U	NS	0.310	U	NS	NS	NS	0.310	U	
26-Jul-17	0.21	U	NS	0.21	NS	0.21	U	NS	0.21	U	NS	0.21	U	NS	0.21	U	NS	NS	0.21	U	NS	0.21	U	
12-Oct-17	NS	0.21	NS	NS	NS	NS	NS	NS	NS	0.63	U	NS	0.52	U	NS	0.590	U	NS	NS	NS	NS	0.52	U	
10-Jan-18	0.21	U	NS	0.21	NS	0.21	U	NS	0.21	U	NS	0.21	U	NS	0.21	U	NS	NS	0.21	U	NS	0.21	U	
11-Apr-18	NS	0.21	U	NS	NS	NS	NS	NS	NS	2.1 <sup>19</sup>	U	NS	NS	2.1 <sup>19</sup>	U	NS	NS	NS	2.1 <sup>19</sup>	U	NS	2.1 <sup>19</sup>	U	
23-May-18	NS	NS	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
27-Jul-18	1.0	U	NS	1.0	NS	1.0	U	NS	1.0	U	NS	1.0	U	NS	1.0	U	NS	NS	1.0	U	NS	1.0	U	
24-Oct-18	NS	1	U	NS	NS	NS	NS	NS	NS	1	U	NS	NS	1	U	NS	NS	NS	1	U	NS	1	U	
16-Jan-19	0.2	U	NS	0.2	NS	0.2	U	NS	0.2	U	NS	0.2	U	NS	0.2	U	NS	NS	0.2	U	NS	0.2	U	
12-Apr-19	NS	0.1	U	NS	NS	NS	NS	NS	NS	0.1	U	NS	NS	0.13	U	NS	0.16	U	NS	NS	NS	0.16	U	
29-Jul-19	0.31	U	NS	0.31	NS	0.31	U	NS	0.31	U	NS	0.31	U	NS	0.31	U	NS	NS	0.31	U	NS	0.31	U	
26-Sep-19	NS	NS	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
29-Oct-19	NS	0.21	U	NS	NS	NS	NS	NS	NS	0.21	U	NS	NS	0.21	U	NS	NS	NS	0.21	U	NS	0.21	U	
21-Jan-20	0.21	U	NS	0.21	NS	0.21	U	NS	0.21	U	NS	0.21	U	NS	0.21	U	NS	NS	0.21	U	NS	0.21	U	
22-Apr-20	NS	0.21	U	NS	NS	NS	NS	NS	NS	0.21	U	NS	NS	0.21	U	NS	NS	NS	0.21	U	NS	0.21	U	
23-Jul-20	0.21	U	NS	0.21	NS	0.21	U	NS	0.21	U	NS	0.41	U	NS	NS	NS	NS	NS	0.41	U	NS	0.41	U	
29-Oct-20	NS	0.21	U	NS	NS	NS	NS	NS	NS	0.21	U	NS	NS	0.21	U	NS	NS	NS	0.21	U	NS	0.21	U	
19-Jan-21	0.21	NS	U	NS	0.21	NS	0.21	U	NS	NS	0.21	U	NS	NS	0.21	U	NS	NS	0.21	U</				



Summary of Subslab Air Sampling Data  
 Alvarez School  
 Volatile Organic Compounds  
 February 2008 - January 2024

Volatile Organic Compounds via TO-15	Sample Date	MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3	
		MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual
	8-Feb-08	2.74	U	NS		NS		NS		2.74		NS		NS		NS		2.74	U	2.74	U	NS	
	27-Mar-08	NS		2.74	U	NS		NS		NS		NS		NS		NS		NS		NS	U	2.74	U
	25-Apr-08	NS		NS		2.74	U	NS		2.74		NS		NS		NS		2.74	U	NS		2.74	U
	29-May-08	NS		NS		NS		NS		NS		NS		NS		2.74	U	2.74	U	2.74	U	NS	
	27-Jun-08	4.27	U	NS		NS		NS		2.74		NS		NS		NS		NS		2.74	U	2.74	U
	31-Jul-08	NS		2.74	U	NS		NS		NS		NS		NS		NS		2.74	U	NS		2.74	U
	28-Aug-08	NS		NS		2.74	U	NS		NS		NS		2.74	U	NS		2.74	U	2.74	U	NS	
	30-Sep-08	NS		NS		NS		5.5	U	NS		NS		NS		NS		NS		5.5	U	5.5	U
	27-Oct-08	22.1		NS		NS		NS		5.5		U		NS		NS		12.8		NS		5.5	U
	25-Nov-08	NS		5.5	U	NS		NS		NS		5.5	U	NS		NS		NS		11.5	U	NS	
	18-Dec-08	NS		NS		5.5	U	NS		NS		NS		NS		NS		NS		NS		5.5	U
	21-Jan-09	NS		NS		NS		5.5	U	NS		NS		NS		NS		5.5	U	NS		5.5	U
	25-Feb-09	5.5	U	NS		NS		NS		5.5		U		NS		NS		5.5	U	5.5	U	NS	
	26-Mar-09	NS		13.7	U	NS		NS		NS		27.4	U	NS		NS		NS		2.74	U	2.74	U
	29-Apr-09	NS		NS		2.74	U	NS		NS		NS		2.74	U	NS		NS		2.74	U	NS	
	22-Jul-09	13.7	U	NS		13.7	U	27.4		13.7		U		NS		NS		2.74	U	2.74	U	NS	
	9-Oct-09	NS		1.08	U	NS		NS		2.74		U		NS		2.74	U	573	U	2.74	U	NS	
	15-Jan-10	2.74	U	NS		2.74	U	2.74		2.74		U		NS		NS		2.74	U	2.74	U	NS	
	21-Apr-10	NS		2.74	U	NS		NS		13.7		U		13.7		2.74	U	NS		2.74	U	NS	
	16-Jul-10	2.74	U	NS		2.74	U	2.74		NS		U		NS		NS		2.74	U	2.74	U	NS	
	15-Oct-10	NS		2.74	U	NS		NS		2.74		U		NS		2.74	U	2.74	U	2.74	U	NS	
	26-Jan-11	27.4	U	2.74	U	NS		2.74		NS		U		13.7		NS		13.7	U	13.7	U	NS	
	28-Feb-11	NS		NS		NS		NS		NS		U		NS		NS		NS		NS		NS	
	27-Apr-11	NS		2.745	U	NS		NS		2.74		U		NS		NS		2.74	U	2.74	U	NS	
	26-Jul-11	9.17	U	NS		9.17		2.74		NS		U		NS		NS		2.74	U	13.7	U	NS	
	28-Oct-11	NS		7.9	U	NS		NS		7.9		U		7.9		NS		7.9	U	7.9	U	NS	
	23-Jan-12	1.6	U	NS		1.6	U	1.6		1.6		U		NS		1.6		1.6	U	1.6	U	NS	
	13-Apr-12	NS		NS		NS		NS		NS		U		NS		NS		NS		NS		NS	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		U		NS		NS		NS		7.9	U	NS	
	23-Jun-12	1.6	U	NS		1.6	U	1.6		NS		U		NS		NS		1.6	U	1.6	U	NS	
	1-Nov-12	NS		0.32	U	NS		NS		0.32		U		NS		0.44		0.35		0.38		NS	
	1-Feb-13	0.32	U	NS		0.32	U	0.32		NS		U		NS		NS		NS		0.32	U	NS	
	29-Apr-13	NS		0.79	U	NS		NS		0.32		U		NS		0.32		0.32	U	0.32	U	NS	
	9-Jul-13	0.47	U	NS		0.32	U	0.32		NS		U		NS		NS		0.32	U	NS		NS	
	18-Oct-13	NS		0.54	U	NS		NS		0.52		U		NS		0.74		0.65		0.68		NS	
	9-Jan-14	0.32	U	NS		0.32	U	0.32		NS		U		NS		0.32		0.32	U	0.32	U	NS	
	24-Apr-14	NS		0.32	U	NS		NS		0.32		U		NS		0.32		0.32	U	0.32	U	0.47	U
	1-Aug-14	0.32	U	NS		0.63		0.47 <sup>h</sup>		NS		U		NS		NS		NS		0.32	U	0.56	U
	27-Aug-14	NS		NS		NS		NS		NS		U		NS		NS		NS		NS		NS	
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		U		NS		NS		NS		NS		NS	
	22-Oct-14	NS		0.47	U	NS		NS		0.47		U		0.47		NS		NS		0.47	U	0.63	U
	20-Jan-15	0.32	U	NS		0.32	U	0.32		NS		U		NS		NS		NS		0.47	U	0.032	U
	30-Mar-15 (resample)	NS		NS		NS		NS		NS		U		NS		NS		NS		NS		0.36	U
	22-Apr-15	NS		0.32	U	NS		NS		0.32		U		NS		0.46		NS		NS		0.36	U
	27-Jan-16	0.32	U	NS		0.32	U	0.32		NS		U		NS		NS		NS		0.32	U	NS	
	20-Apr-16	NS		0.32	U	NS		NS		0.32		U		NS		0.32		0.32	U	0.32	U	NS	
	20-Jul-16	1.6	U	NS		1.6 <sup>30V</sup>	U	1.6		NS		U		NS		NS		1.6	U	1.6	U	NS	
	21-Oct-16	NS		0.32	U	NS		NS		0.32		U		NS		0.32		0.32	U	0.32	U	NS	
	31-Jan-17	0.32	U	NS		0.32	U	NS		0.32		U		NS		NS		NS		0.32	U	NS	
	17-Apr-17	NS		0.47	U	NS		NS		0.47		U		NS		0.47		0.47	U	0.47	U	NS	
	26-Jul-17	0.32	U	NS		0.32	U	NS		NS		U		NS		NS		NS		0.32	U	NS	
	12-Oct-17	NS		0.32	U	NS		NS		0.32		U		NS		0.96		0.79		0.9		NS	
	10-Jan-18	0.32	U	NS		0.32	U	NS		0.32		U		NS		NS		NS		NS		NS	
	11-Apr-18	NS		0.32	U	NS		NS		3.2		U		NS		3.2		3.2		0.32	U	NS	
	23-May-18	NS		NS		NS		NS		NS		U		NS		NS		NS		NS		0.47	U
	27-Jul-18	1.6	U	NS		1.6	U	1.6		NS		U		NS		NS		1.6	U	1.6	U	NS	
	24-Oct-18	NS		1.6	U	NS		NS		1.6		U		NS		1.6		1.6	U	1.6	U	NS	
	16-Jan-19	0.32	U	NS		0.32	U	0.32		NS		U		NS		NS		NS		0.32	U	NS	
	12-Apr-19	NS		0.32	U	NS		NS		0.32		U		NS		0.4		0.47		NS		0.47	U
	29-Jul-19	0.47	U	NS		0.32	U	NS		0.32		U		NS		NS		NS		0.32	U	NS	
	26-Sep-19	NS		NS		NS		NS		NS		U		NS		NS		NS		NS		0.47	U
	29-Oct-19	NS		0.32	U	NS		NS		0.32		U		NS		NS		NS		NS		NS	
	21-Jan-20	0.32	U	NS		0.32	U	0.32		NS		U		NS		NS		NS		0.32	U	NS	
	22-Apr-20	NS		0.32	U	NS		NS		0.32		U		NS		NS		NS		NS		0.32	U
	23-Jul-20	0.32	U	NS		0.32	U	NS		0.63		U		NS		NS		NS		0.63	U	NS	
	29-Oct-20	NS		0.32	U	NS		NS		0.32		U		NS		NS		NS		NS		0.32	U
	19-Jan-21	0.32	U	NS		0.32	U	NS		0.32		U		NS		NS		NS		NS		0.47 <sup>h</sup>	U
	15-Apr-21	NS		0.32	U	NS		NS		0.32		U		NS		NS		NS		NS		NS	
	21-Jul-21	0.63	U	NS		0.63	U	NS		NS		U		NS		NS		NS		0.63	U	NS	
	20-Oct-21	NS		0.32	U	NS		NS		0.32		U		NS		NS		NS		NS		NS	
	9-Feb-22	0.32	U	NS		0.32	U	NS		0.32		U		NS		NS		NS		NS		NS	
	7-Apr-22	NS		0.32	U	NS		NS		0.32		U		NS		NS		NS		NS		NS	
	28-Jul-22	0.32	U	NS		0.63	U	NS		0.63		U		NS		NS		NS		NS		NS	
	18-Oct-22	NS		0.32	U	NS		NS		0.32		U		NS		NS		NS		NS		NS	
	24-Jan-23	0.32	U	NS		0.32	U	NS		0.32		U		NS		NS		NS		NS		NS	
	19-Apr-23	NS		0.32	U	NS		NS		0.32		U		NS		NS		NS		NS		NS	
	5-Jul-23	NS		NS		NS		NS		NS		U		NS		NS		NS		NS		NS	
	18-Jul-23	0.32	U	NS		0.32	U	NS		0.32		U		NS		NS		NS		NS		NS	
	25-Oct-23	NS		0.32	U	NS		NS		0.32		U		NS		NS		NS		NS		NS	
	9-Jan-24	0.32	U	NS		0.32	U	NS		0.32		U		NS		NS		NS		NS		NS	

Summary of Subslab Air Sampling Data  
 Alvarez School  
 Volatile Organic Compounds  
 February 2008 - January 2024

Volatile Organic Compounds via		MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3	
TO-15	Sample Date	MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual
	8-Feb-08	2.74	U	NS		NS		NS		2.74		NS		NS		NS		2.74	U	2.74	U	NS	U
	27-Mar-08	NS		2.74	U	NS		NS		NS		NS		NS		NS		NS		2.74	U	2.74	U
	25-Apr-08	NS		NS		2.74	U	NS		2.74		NS		NS		NS		2.74	U	NS		2.74	U
	29-May-08	NS		NS		NS		2.74	U	NS		NS		NS		2.74	U	2.74	U	2.74	U	2.74	U
	27-Jun-08	4.27	U	NS		NS		NS		2.74	U	NS		NS		NS		NS		2.74	U	2.74	U
	31-Jul-08	NS		2.74	U	NS		NS		NS		NS		NS		NS		2.74	U	NS		2.74	U
	28-Aug-08	NS		NS		2.74	U	NS		NS		NS		2.74	U	NS		2.74	U	2.74	U	NS	U
	27-Oct-08	NS		NS		NS		5.5	U	NS		NS		NS		5.5	U	NS		5.5	U	5.5	U
	27-Oct-08	5.5	U	NS		NS		NS		5.5	U	NS		NS		NS		5.5	U	NS		5.5	U
	25-Nov-08	NS		5.5	U	NS		NS		NS		5.5	U	NS		NS		NS		5.5	U	5.5	U
	18-Dec-08	NS		NS		5.5	U	NS		NS		NS		NS		NS		NS		5.5	U	5.5	U
	21-Jan-09	NS		NS		NS		5.5	U	NS		NS		NS		NS		5.5	U	NS		5.5	U
	25-Feb-09	5.5	U	NS		NS		NS		5.5	U	NS		NS		NS		5.5	U	NS		5.5	U
	26-Mar-09	NS		13.7	U	NS		NS		NS		27.4	U	NS		NS		NS		2.74	U	2.74	U
	29-Apr-09	NS		NS		2.74	U	NS		NS		NS		NS		NS		2.74	U	NS		2.74	U
	22-Jul-09	13.7	U	NS		13.7	U	27.4		13.7		NS		NS		NS		2.74	U	2.74	U	NS	U
	9-Oct-09	NS		2.74	U	NS		NS		2.74		NS		2.74	U	573	U	2.74	U	NS		2.74	U
	15-Jan-10	2.74	U	NS		2.74	U	2.74		2.74	U	NS		NS		NS		2.74	U	2.74	U	NS	U
	21-Apr-10	NS		2.74	U	NS		NS		13.7	U	NS		13.7	U	2.74	U	NS		2.74	U	2.74	U
	16-Jul-10	2.74	U	NS		2.74	U	2.74		NS		20.7	U	2.74	U	NS		2.74	U	2.74	U	NS	U
	15-Oct-10	NS		2.74	U	NS		NS		2.74	U	NS		NS		2.74	U	2.74	U	NS		2.74	U
	26-Jan-11	27.4	U	2.74	U	NS		2.74		NS		13.7	U	NS		13.7	U	13.7	U	13.7	U	NS	U
	28-Feb-11	NS		NS		27.4	U	NS		NS		NS		NS		NS		NS		NS		NS	U
	27-Apr-11	NS		2.74	U	NS		NS		2.74	U	NS		NS		2.74	U	2.74	U	NS		2.47	U
	26-Jul-11	9.17	U	NS		9.17	U	2.74		NS		13.7	U	NS		NS		2.74	U	13.7	U	NS	U
	28-Oct-11	NS		6.3	U	NS		NS		6.3	U	NS		6.3	U	6.3	U	6.3	U	NS		6.3	U
	23-Jan-12	1.3	U	NS		1.3	U	NS		1.3	U	NS		1.3	U	NS		1.3	U	NS		1.3	U
	13-Apr-12	NS		1.3	U	NS		NS		1.3	U	NS		1.3	U	NS		NS		1.3	U	NS	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		6.3	U	NS	U
	23-Jun-12	1.3	U	NS		1.3	U	1.3		NS		1.3	U	NS		NS		1.3	U	1.3	U	NS	U
	1-Nov-12	NS		0.25	U	NS		NS		0.25	U	NS		0.25	U	NS		0.25	U	NS		0.25	U
	1-Feb-13	0.25	U	NS		0.25	U	0.25		NS		0.25	U	NS		NS		0.25	U	NS		0.25	U
	29-Apr-13	NS		0.63	U	NS		NS		NS		0.25	U	NS		0.25	U	0.25	U	NS		0.25	U
	9-Jul-13	0.38	U	NS		0.25	U	0.25		NS		0.25	U	NS		NS		0.25	U	NS		0.25	U
	18-Oct-13	NS		0.25	U	NS		0.25		NS		0.25	U	NS		0.25	U	0.25	U	NS		0.25	U
	9-Jan-14	NS		0.25	U	NS		0.25		NS		0.25	U	NS		0.25	U	0.25	U	NS		0.25	U
	24-Apr-14	NS		0.25	U	NS		NS		0.25	U	NS		0.25	U	0.25	U	0.25	U	0.25	U	0.38	U
	1-Aug-14	0.25	U	NS		0.38	U	NS		NS		NS		NS		NS		0.25	U	0.25	U	NS	U
	27-Aug-14	NS		NS		NS		NS		NS		0.25	U	NS		NS		NS		NS		NS	U
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
	22-Oct-14	NS		0.38	U	NS		NS		0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U	0.50	U
	20-Jan-15	0.25	U	NS		0.25	U	0.25		NS		0.25	U	NS		NS		0.38	U	NS		0.25	U
	30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		0.28	U
	22-Apr-15	NS		0.26	U	NS		NS		0.25	U	NS		0.25	U	0.36	U	0.25	U	NS		0.29	U
	27-Jan-16	0.25	U	NS		0.25	U	0.25		NS		0.25	U	NS		NS		0.25	U	NS		NS	U
	20-Apr-16	NS		0.25	U	NS		NS		0.25	U	NS		0.25	U	0.25	U	0.25	U	NS		0.25	U
	20-Jul-16	1.3	U	NS		1.3 <sup>MP</sup>	U	1.3		NS		1.3	U	NS		NS		1.3	U	1.3	U	NS	U
	21-Oct-16	NS		0.25	U	NS		NS		0.25	U	NS		0.25	U	NS		0.25	U	NS		0.25	U
	31-Jan-17	0.25	U	NS		0.25	U	0.25		NS		0.25	U	NS		NS		0.25	U	NS		0.25	U
	17-Apr-17	NS		0.38	U	NS		NS		0.38	U	NS		0.38	U	0.38	U	0.38	U	NS		0.38	U
	26-Jul-17	0.25	U	NS		0.25	U	NS		NS		0.25	U	NS		NS		0.25	U	NS		NS	U
	12-Oct-17	NS		0.25	U	NS		NS		0.25	U	NS		0.76	U	0.63	U	0.71	U	NS		0.63	U
	10-Jan-18	0.25	U	NS		0.25	U	NS		NS		NS		NS		NS		0.25	U	NS		0.25	U
	11-Apr-18	NS		0.25	U	NS		NS		2.5	U	NS		2.5	U	2.5	U	0.25	U	NS		2.5	U
	23-May-18	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		0.38	U
	27-Jul-18	1.3	U	NS		1.3	U	1.3		NS		1.3	U	NS		NS		1.3	U	1.3	U	NS	U
	24-Oct-18	NS		1.3	U	NS		NS		1.3	U	NS		1.3	U	1.3	U	1.3	U	NS		1.3	U
	16-Jan-19	0.25	U	NS		0.25	U	0.25		NS		0.25	U	NS		NS		0.25	U	NS		NS	U
	12-Apr-19	NS		0.25	U	NS		NS		0.25	U	NS		0.31	U	0.38	U	0.38	U	NS		0.38	U
	29-Jul-19	0.38	U	NS		0.38	U	0.25		NS		NS		NS		NS		0.25	U	NS		NS	U
	26-Sep-19	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		0.38	U
	29-Oct-19	NS		0.25	U	NS		NS		0.25	U	NS		NS		NS		NS		NS		1.3 <sup>D</sup>	U
	21-Jan-20	0.25	U	NS		0.25	U	0.25		NS		0.25	U	NS		NS		0.25	U	NS		NS	U
	22-Apr-20	NS		0.25	U	NS		NS		0.25	U	NS		0.25	U	NS		0.25	U	NS		0.25	U
	23-Jul-20	0.25	U	NS		0.25	U	0.25		NS		0.5	U	NS		NS		0.5	U	NS		NS	U
	29-Oct-20	NS		0.25	U	NS		NS		NS		NS		NS		NS		NS		NS		0.25	U
	19-Jan-21	0.25	U	NS		0.25	U	0.25		NS		0.25	U	NS		NS		NS		NS		0.38 <sup>D</sup>	U
	15-Apr-21	NS		0.25	U	NS		NS		0.25	U	NS		0.25	U	NS		0.25	U	NS		NS	U
	21-Jul-21	0.25	U	NS		0.25	U	0.25		NS		NS		NS		NS		NS		NS		NS	U
	20-Oct-21	NS		0.25	U	NS		NS		NS		NS		NS		NS		NS		NS		NS	U
	9-Feb-22	0.25	U	NS		NS		0.25		NS		NS		NS		NS		NS		NS		NS	U
	7-Apr-22	NS		0.25	U	NS		NS		NS		NS		NS		NS		NS		NS		NS	U
	28-Jul-22	0.25	U	NS		0.5	U	NS		NS		NS		NS		NS		NS		NS		0.5	U
	18-Oct-22	NS		0.25	U	NS		NS		0.25	U	NS		0.25	U	NS		NS		NS		NS	U
	24-Jan-23	0.25	U	NS		0.25	U	NS		NS		NS		NS		NS		NS		NS		NS	U
	19-Apr-23	NS		0.25	U	NS		NS		NS		NS		NS		NS		NS		NS		NS	U
	5-Jul-23	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
	18-Jul-23	0.25	U	NS		0.25	U	NS		NS		NS		NS		NS		NS		NS		NS	U
	25-Oct-23	NS		0.25	U	NS		NS		NS		NS		0.38	U	0.38	U	NS		NS		NS	U



Summary of Subslab Air Sampling Data  
 Alvarez School  
 Volatile Organic Compounds  
 February 2008 - January 2024

Volatile Organic Compounds via TO-15	Sample Date	MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3			
		Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual		
	8-Feb-08	0.09	U	NS	NS	NS	NS	NS	NS	0.09	U	NS	NS	NS	NS	NS	NS	0.09	U	NS	NS	NS	NS		
	27-Mar-08	NS	U	0.052	U	NS	NS	NS	NS	NS	0.092	U	NS	NS	NS	NS	NS	NS	NS	0.092	U	NS	0.092	U	
	25-Apr-08	NS	U	NS	U	0.092	U	NS	NS	NS	NS	U	NS	NS	0.092	U	NS	NS	0.092	U	NS	NS	0.092	U	
	29-May-08	NS	U	NS	U	NS	U	0.09	U	NS	NS	U	NS	NS	NS	NS	0.09	U	NS	NS	NS	NS	0.09	U	
	27-Jun-08	0.207	U	NS	U	NS	U	NS	NS	0.092	U	NS	NS	NS	NS	NS	NS	NS	0.092	U	NS	NS	0.092	U	
	31-Jul-08	0.092	U	NS	U	NS	U	NS	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	0.092	U	NS	NS	0.092	U	
	28-Aug-08	NS	U	NS	U	0.092	U	NS	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	0.092	U	NS	NS	0.092	U	
	30-Sep-08	NS	U	NS	U	NS	U	2.3	U	NS	NS	U	NS	NS	NS	2.3	U	NS	NS	2.3	U	NS	2.3	U	
	27-Oct-08	2.3	U	NS	U	NS	U	NS	NS	2.3	U	NS	NS	NS	NS	2.3	U	NS	NS	2.3	U	NS	2.3	U	
	25-Nov-08	NS	U	2.3	U	NS	U	NS	NS	NS	NS	U	NS	NS	NS	2.3	U	NS	NS	2.3	U	NS	2.3	U	
	19-Dec-08	NS	U	NS	U	2.3	U	NS	NS	NS	NS	U	NS	NS	NS	2.3	U	NS	NS	2.3	U	NS	2.3	U	
	21-Jan-09	NS	U	NS	U	NS	U	2.3	U	NS	NS	U	NS	NS	NS	2.3	U	NS	NS	2.3	U	NS	2.3	U	
	25-Feb-09	2.3	U	NS	U	NS	U	2.3	U	NS	NS	U	NS	NS	NS	2.3	U	NS	NS	2.3	U	NS	2.3	U	
	26-Mar-09	NS	U	0.46	U	NS	U	NS	NS	NS	NS	U	0.92	U	NS	NS	NS	NS	NS	0.092	U	NS	0.092	U	
	29-Apr-09	NS	U	0.092	U	NS	U	0.092	U	NS	NS	U	NS	NS	NS	NS	NS	NS	0.092	U	NS	NS	0.092	U	
	22-Jul-09	0.46	U	NS	U	18.8	U	0.92	U	NS	NS	U	0.46	U	NS	NS	NS	NS	0.092	U	NS	NS	0.092	U	
	9-Oct-09	NS	U	0.092	U	NS	U	NS	NS	0.092	U	NS	NS	NS	NS	19.2	U	NS	NS	0.092	U	NS	0.092	U	
	15-Jan-10	0.092	U	NS	U	0.092	U	0.092	U	NS	NS	U	0.092	U	NS	NS	NS	NS	NS	0.092	U	NS	NS	0.092	U
	21-Apr-10	NS	U	0.092	U	NS	U	NS	NS	0.46	U	NS	NS	NS	NS	0.46	U	NS	NS	0.092	U	NS	NS	0.092	U
	16-Jul-10	0.092	U	NS	U	0.092	U	0.212	U	NS	NS	U	0.092	U	NS	NS	NS	NS	NS	0.092	U	NS	NS	0.092	U
	15-Oct-10	NS	U	0.092	U	NS	U	NS	NS	0.129	U	NS	NS	NS	NS	0.106	U	NS	NS	0.092	U	NS	NS	0.101	U
	26-Jan-11	0.92	U	NS	U	NS	U	0.092	U	NS	NS	U	0.46	U	NS	NS	NS	NS	NS	0.46	U	NS	NS	0.46	U
	28-Feb-11	NS	U	NS	U	0.92	U	NS	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U
	27-Apr-11	0.092	U	NS	U	0.092	U	NS	NS	0.092	U	NS	NS	NS	NS	0.092	U	NS	NS	0.092	U	NS	NS	0.092	U
	26-Jul-11	0.307	U	NS	U	0.307	U	NS	NS	NS	NS	U	0.46	U	NS	NS	NS	NS	NS	0.46	U	NS	NS	0.46	U
	28-Oct-11	NS	U	2.3	U	NS	U	NS	NS	2.3	U	NS	NS	NS	NS	2.3	U	NS	NS	2.3	U	NS	2.3	U	
	23-Jan-12	0.46	U	NS	U	0.46	U	NS	NS	0.46	U	NS	NS	NS	NS	0.46	U	NS	NS	0.46	U	NS	NS	0.46	U
	13-Apr-12	NS	U	0.46	U	NS	U	NS	NS	0.46	U	NS	NS	NS	NS	0.46	U	NS	NS	0.46	U	NS	NS	0.46	U
	24-Jul-12 (resample)	NS	U	NS	U	NS	U	NS	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U
	23-Jan-12	0.46	U	NS	U	0.46	U	NS	NS	0.46	U	NS	NS	NS	NS	0.46	U	NS	NS	0.46	U	NS	NS	0.46	U
	1-Nov-12	NS	U	0.092	U	NS	U	NS	NS	0.092	U	NS	NS	NS	NS	0.16	U	NS	NS	0.092	U	NS	NS	0.092	U
	1-Feb-13	0.092	U	NS	U	0.092	U	NS	NS	0.092	U	NS	NS	NS	NS	0.092	U	NS	NS	0.092	U	NS	NS	0.092	U
	29-Apr-13	NS	U	0.12	U	NS	U	NS	NS	0.046	U	NS	NS	NS	NS	0.046	U	NS	NS	0.046	U	NS	NS	0.046	U
	9-Jul-13	0.18	U	NS	U	0.14	U	NS	NS	0.15	U	NS	NS	NS	NS	NS	NS	NS	NS	0.092	U	NS	NS	0.092	U
	18-Oct-13	NS	U	NS	U	NS	U	NS	NS	0.092	U	NS	NS	NS	NS	0.092	U	NS	NS	0.092	U	NS	NS	0.092	U
	9-Jan-14	0.092	U	NS	U	0.092	U	NS	NS	0.092	U	NS	NS	NS	NS	0.092	U	NS	NS	0.092	U	NS	NS	0.092	U
	24-Apr-14	NS	U	0.046	U	NS	U	NS	NS	0.046	U	NS	NS	NS	NS	0.046	U	NS	NS	0.046	U	NS	NS	0.046	U
	1-Aug-14	0.092	U	NS	U	0.14	U	NS	NS	0.25	U	NS	NS	NS	NS	0.092	U	NS	NS	0.092	U	NS	NS	0.092	U
	27-Aug-14	NS	U	NS	U	NS	U	NS	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U
	12-Sept-14 (resample)	NS	U	NS	U	NS	U	NS	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U
	22-Oct-14	NS	U	0.14	U	NS	U	NS	NS	0.14	U	NS	NS	NS	NS	0.14	U	NS	NS	0.14	U	NS	NS	0.14	U
	20-Jan-15	0.092	U	NS	U	0.092	U	NS	NS	0.092	U	NS	NS	NS	NS	0.14	U	NS	NS	0.092	U	NS	NS	0.092	U
	30-Mar-15 (resample)	NS	U	NS	U	NS	U	NS	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U
	22-Apr-15	NS	U	0.094	U	NS	U	NS	NS	0.092	U	NS	NS	NS	NS	0.092	U	NS	NS	0.092	U	NS	NS	0.11	U
	21-Jul-15	0.2	U	NS	U	0.9	U	NS	NS	5	U	NS	NS	NS	NS	0.3	U	NS	NS	0.2	U	NS	NS	0.2	U
	23-Sept-15 resample	NS	U	NS	U	NS	U	NS	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U
	29-Oct-15	NS	U	0.3	U	NS	U	NS	NS	0.3	U	NS	NS	NS	NS	0.4	U	NS	NS	0.2	U	NS	NS	0.2	U
	4-Dec-15 resample	NS	U	NS	U	NS	U	NS	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U
	27-Jan-16	0.092	U	NS	U	0.092	U	NS	NS	0.092	U	NS	NS	NS	NS	NS	NS	NS	NS	0.092	U	NS	NS	0.092	U
	20-Apr-16	NS	U	0.092	U	NS	U	NS	NS	0.092	U	NS	NS	NS	NS	0.092	U	NS	NS	0.092	U	NS	NS	0.092	U
	20-Jul-16	0.46	U	NS	U	0.46	U	NS	NS	0.46	U	NS	NS	NS	NS	0.46	U	NS	NS	0.46	U	NS	NS	0.46	U
	21-Oct-16	NS	U	0.092	U	NS	U	NS	NS	0.092	U	NS	NS	NS	NS	0.092	U	NS	NS	0.092	U	NS	NS	0.092	U
	31-Jan-17	0.092	U	NS	U	0.092	U	NS	NS	0.092	U	NS	NS	NS	NS	NS	NS	NS	NS	0.092	U	NS	NS	0.092	U
	17-Apr-17	NS	U	0.14	U	NS	U	NS	NS	0.14	U	NS	NS	NS	NS	0.14	U	NS	NS	0.14	U	NS	NS	0.14	U
	26-Jul-17	0.092	U	NS	U	0.092	U	NS	NS	0.092	U	NS	NS	NS	NS	0.092	U	NS	NS	0.092	U	NS	NS	0.092	U
	12-Oct-17	NS	U	0.092	U	NS	U	NS	NS	0.092	U	NS	NS	NS	NS	0.28	U	NS	NS	0.23	U	NS	NS	0.23	U
	10-Jan-18	0.092	U	NS	U	0.092	U	NS	NS	0.092	U	NS	NS	NS	NS	NS	NS	NS	NS	0.092	U	NS	NS	0.092	U
	11-Apr-18	NS	U	NS	U	NS	U	NS	NS	0.92	U	NS	NS	NS	NS	0.92	U	NS	NS	0.92	U	NS	NS	0.92	U
	23-May-18	NS	U	NS	U	NS	U	NS	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U
	27-Jul-18	0.46	U	NS	U	0.46	U	NS	NS	0.46	U	NS	NS	NS	NS	0.46	U	NS	NS	0.46	U	NS	NS	0.46	U
	24-Oct-18	NS	U	0.46	U	NS	U	NS	NS	0.46	U	NS	NS	NS	NS	0.46	U	NS	NS	0.46	U	NS	NS	0.46	U
	16-Jan-19	0.092	U	NS	U	0.092	U	NS	NS	0.092	U	NS	NS	NS	NS	NS	NS	NS	NS	0.092	U	NS	NS	0.092	U
	12-Apr-19	NS	U	0.092	U	NS	U	NS	NS	0.092	U	NS	NS	NS	NS	0.12	U	NS	NS	0.14	U	NS	NS	0.14	U
	29-Jul-19	0.14	U	NS	U	0.14	U	NS	NS	0.092	U	NS	NS	NS	NS	NS	NS	NS	NS	0.092	U	NS	NS	0.092	U
	26-Sep-19	NS	U	NS	U	NS	U	NS	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	NS	0.14	U	NS	NS	0.14	U
	29-Oct-19	NS	U	0.092	U	NS	U	NS	NS	0.092	U	NS	NS	NS	NS	0.092	U	NS	NS	0.092	U	NS	NS	0.092	U
	21-Jan-20	0.09	U	NS	U	0.09	U	NS	NS	0.09	U	NS	NS	NS	NS	NS	NS	NS	NS	0.09	U	NS	NS	0.09	U
	22-Apr-20	NS	U	0.092	U	NS	U	NS	NS	0.09															

Summary of Subslab Air Sampling Data  
 Alvarez School  
 Volatile Organic Compounds  
 February 2008 - January 2024

Volatile Organic Compounds via TO-15		MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3	
Sample Date	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
8-Feb-08	0.05	U	NS	NS	NS	NS	NS	NS	NS	0.05	U	NS	NS	NS	NS	NS	NS	0.05	U	NS	NS	NS	NS
27-Mar-08	NS		0.053	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
25-Apr-08	NS		NS	U	NS	0.053	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.053	U	NS	NS	NS	NS
29-May-08	NS		NS		NS	NS		NS	0.11	NS	NS	NS	NS	NS	NS	NS	NS	0.07	NS	NS	NS	NS	NS
27-Jun-08	0.082	U	NS		NS	NS		NS	NS	0.132	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.053	U	NS
31-Jul-08	NS		0.053	U	NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
28-Aug-08	NS		NS		NS	0.053	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.053	U	NS	NS	NS	NS
30-Sep-08	NS		NS		NS	NS		NS	1.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
27-Oct-08	1.3	U	NS		NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
25-Nov-08	NS		NS		NS	1.3		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
19-Dec-08	NS		NS		NS	1.3	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
21-Jan-09	NS		NS		NS	NS		NS	1.3	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
25-Feb-09	1.3	U	NS		NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
26-Mar-09	NS		0.264	U	NS	NS		NS	NS	NS	NS	0.527	U	NS	NS	NS	NS	NS	NS	NS	0.1212	U	NS
29-Apr-09	NS		NS		NS	0.137		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
22-Jul-09	0.264	U	NS		NS	10.8	U	NS	0.527	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.061	U	NS
9-Oct-09	NS		0.053	U	NS	NS		NS	NS	0.058	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
15-Jan-10	0.053	U	NS		NS	0.066		NS	NS	NS	NS	0.053	NS	NS	NS	NS	NS	NS	NS	NS	0.053	U	NS
21-Apr-10	NS		0.074		NS	NS		NS	NS	NS	0.264	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
16-Jul-10	0.11		NS		NS	2.55		NS	0.166	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
15-Oct-10	NS		0.053	U	NS	NS		NS	NS	0.082	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
26-Jan-11	0.527	U	0.053		NS	NS		NS	0.077	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
28-Feb-11	NS		NS		NS	0.527	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
27-Apr-11	NS		0.053		NS	0.079		NS	NS	0.079	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
26-Jul-11	0.176	U	NS		NS	0.176	U	NS	0.116	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
28-Oct-11	NS		NS		NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
23-Jan-12	NS		NS		NS	0.26	U	NS	0.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
13-Apr-12	NS		NS		NS	0.26		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Jul-12 (resample)	NS		NS		NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
23-Jan-12	0.26	U	NS		NS	0.26	U	NS	0.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1-Nov-12	NS		NS		NS	0.053	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1-Feb-13	NS		NS		NS	0.053	U	NS	0.11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
29-Apr-13	NS		NS		NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
9-Jul-13	0.11		NS		NS	0.12		NS	0.31	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
18-Oct-13	NS		NS		NS	0.053	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
9-Jan-14	0.084		NS		NS	0.053		NS	0.11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
24-Apr-14	NS		0.026	U	NS	NS		NS	NS	0.026	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1-Aug-14	NS		0.23		NS	0.43		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
27-Aug-14	NS		NS		NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
12-Sept-14 (resample)	NS		NS		NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
22-Oct-14	NS		NS		NS	NS		NS	NS	0.079	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
30-Jan-15	0.069 <sup>v</sup>		NS		NS	0.094		NS	0.062	NS	NS	0.24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
30-Mar-15 (resample)	NS		NS		NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
22-Apr-15	NS		NS		NS	0.20 <sup>v</sup>		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
21-Jul-15	0.1	U	NS		NS	0.5	U	NS	3	U	NS	0.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
23-Sept-15 resample	NS		NS		NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
29-Oct-15	NS		NS		NS	0.1	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Dec-15 resample	NS		NS		NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
27-Jan-16	0.11		NS		NS	0.12		NS	0.11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
20-Apr-16	NS		NS		NS	NS		NS	NS	0.053	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
20-Jul-16	0.26 <sup>v</sup>	U	NS		NS	0.26 <sup>v</sup>	U	NS	0.26 <sup>v</sup>	U	NS	0.77 <sup>v</sup>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
21-Oct-16	NS		NS		NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
31-Jan-17	0.053		NS		NS	0.14		NS	0.053	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
17-Apr-17	NS		NS		NS	0.16		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
26-Jul-17	0.053	U	NS		NS	0.18		NS	0.12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
12-Oct-17	NS		NS		NS	0.15		NS	0.066	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
10-Jan-18	0.13		NS		NS	0.17		NS	0.07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
11-Apr-18	NS		NS		NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
23-May-18	NS		NS		NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
27-Jul-18	0.26	U	NS		NS	0.26	U	NS	0.26	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
24-Oct-18	NS		NS		NS	0.26		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
16-Jan-19	0.053	U	NS		NS	0.053	U	NS	0.053	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
12-Apr-19	NS		NS		NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
29-Jul-19	0.079	U	NS		NS	0.079	U	NS	0.053	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
26-Sep-19	NS		NS		NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
29-Oct-19	NS		NS		NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
21-Jan-20	0.05	U	NS		NS	0.05	U	NS	0.05	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
22-Apr-20	NS		NS		NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
23-Jul-20	0.053	U	NS		NS	0.053	U	NS	0.053	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
29-Oct-20	NS		NS		NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
19-Jan-21	0.053		NS		NS	0.053	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
15-Apr-21	NS		NS		NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
21-Jul-21	NS		NS		NS	0.28		NS	0.06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
20-Oct-21	NS		NS		NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
9-Feb-22	0.053	U	NS		NS	0.053	U	NS	0.053	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
7-Apr-22	NS		NS		NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
28-Jul-22	0.053	U	NS		NS	0.053	U	NS	0.053	U	NS	NS	NS	NS	NS								





Summary of Subslab Air Sampling Data  
 Alvarez School  
 Volatile Organic Compounds  
 February 2008 - January 2024

Volatile Organic Compounds via TO-15	Sample Date	MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3	
		Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value
	4-Feb-08		2.44		NS		NS		NS		2.44		NS		NS		NS		2.44		NS		NS
	27-Mar-08		2.67		NS		NS		NS		NS		3.24		NS		NS		NS		2.44		NS
	25-Apr-08		NS		NS		2.44		U		NS		NS		2.44		U		NS		NS		2.44
	29-May-08		NS		NS		NS		NS		2.44		NS		NS		2.44		U		NS		2.44
	27-Jun-08		3.8		NS		NS		NS		2.44		NS		NS		NS		NS		2.44		NS
	31-Jul-08		NS		4.64		NS		NS		NS		NS		NS		NS		NS		2.44		NS
	28-Aug-08		NS		NS		2.44		U		NS		NS		NS		2.44		U		NS		2.44
	30-Sep-08		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		1
	27-Oct-08		1		NS		NS		NS		1		U		NS		NS		NS		NS		3.5
	25-Nov-08		NS		1		U		NS		NS		NS		NS		NS		NS		1		NS
	18-Dec-08		NS		NS		NS		NS		NS		NS		NS		NS		NS		1.4		NS
	21-Jan-09		NS		NS		NS		U		NS		NS		NS		NS		NS		NS		NS
	25-Feb-09		1		NS		NS		NS		NS		NS		NS		NS		NS		1.2		NS
	26-Mar-09		NS		12.2		NS		NS		NS		24.4		NS		NS		NS		NS		4.58
	29-Apr-09		NS		NS		22.4		NS		NS		NS		NS		NS		NS		2.44		2.44
	22-Jul-09		18.5		NS		497		U		32		NS		NS		NS		NS		2.44		6.29
	9-Oct-09		NS		2.44		NS		NS		NS		2.44		NS		2.44		U		NS		2.44
	15-Jan-10		2.44		NS		2.78		NS		2.44		NS		NS		NS		NS		2.44		NS
	21-Apr-10		NS		3.25		NS		NS		12.2		U		NS		NS		NS		NS		2.44
	16-Jul-10		1.32		NS		62.8		NS		1.48		NS		NS		NS		NS		1.03		NS
	15-Oct-10		NS		1.03		NS		NS		1.03		NS		NS		NS		NS		1.03		NS
	26-Jan-11		10.3		1.03		NS		NS		1.03		U		NS		NS		NS		5.16		NS
	28-Feb-11		NS		10.3		NS		U		NS		NS		NS		NS		NS		NS		NS
	27-Apr-11		NS		1.23		NS		NS		1.03		U		NS		NS		NS		NS		1.29
	26-Jul-11		3.45		U		3.45		NS		1.03		U		NS		NS		NS		NS		5.16
	28-Oct-11		NS		1		U		NS		NS		1		U		NS		NS		NS		1.2
	23-Jan-12		0.21		NS		0.21		NS		0.21		NS		NS		NS		NS		1.2		0.21
	13-Apr-12		NS		NS		NS		NS		NS		U		NS		NS		NS		NS		0.97
	2-Jul-12 (resample)		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		1.1
	23-Jan-12		0.21		NS		0.21		U		0.21		NS		NS		NS		NS		0.21		0.21
	13-Nov-12		NS		0.041		NS		NS		0.041		U		NS		NS		NS		0.37		1.1
	1-Feb-13		0.5		NS		1.8		NS		2.1		U		NS		NS		NS		0.71		NS
	29-Apr-13		NS		0.21		NS		NS		0.083		NS		NS		NS		NS		0.73		1.2
	9-Jul-13		0.12		U		0.083		U		0.083		U		NS		NS		NS		1.0		0.083
	18-Oct-13		NS		0.083		NS		NS		0.083		U		NS		NS		NS		NS		1.1
	9-Jan-14		3.2		NS		0.083		NS		0.053		U		NS		NS		NS		0.64		NS
	24-Apr-14		NS		4.6		NS		NS		4.5		NS		3.5		1.2		0.47		1.0		1.0
	1-Aug-14		0.083		U		0.12		U		NS		NS		NS		NS		NS		0.083		NS
	27-Aug-14		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
	12-Sept-14 (resample)		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
	22-Oct-14		NS		1.3		NS		NS		0.12		U		0.74		0.12		U		NS		1.3
	20-Jan-15		0.083		U		3 *		NS		0.083		U		NS		0.69 *		NS		1.2 *		NS
	30-Mar-15 (resample)		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		0.093
	22-Apr-15		NS		0.083		U		NS		0.083		U		NS		NS		NS		0.72		NS
	21-Jul-15		0.69		NS		6.9		U		NS		2.6		NS		NS		NS		0.11 *		NS
	23-Sept-15 resample		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
	29-Oct-15		NS		11		NS		NS		6.5		NS		3.6		1.5		0.73		NS		0.84
	4-Dec-15 resample		NS		0.1		NS		NS		NS		NS		NS		NS		NS		NS		NS
	27-Jan-16		0.083		U		NS		0.083		NS		2.1		NS		NS		NS		1.4		NS
	20-Apr-16		NS		NS		NS		NS		0.083		NS		2.4		1.4		1.1		NS		1
	20-Jul-16		0.41		NS		4.3		U		NS		5		NS		NS		NS		1.1		1.6
	21-Oct-16		NS		0.083		U		NS		NS		0.083		NS		0.083		U		1.4		NS
	31-Jan-17		0.083		NS		3.8		NS		0.96		NS		1.4		NS		NS		1.1		NS
	17-Apr-17		NS		0.12		NS		NS		0.12		U		NS		NS		NS		1.2		NS
	26-Jul-17		0.083		U		0.083		U		0.083		U		0.083		NS		NS		0.71		NS
	12-Oct-17		NS		0.083		NS		NS		NS		0.083		NS		0.25		NS		NS		1.2
	10-Jan-18		NS		NS		3.8		NS		1.4		NS		NS		NS		NS		0.99		NS
	11-Apr-18		NS		0.083		U		NS		0.83		U		NS		3.4		1.8		NS		0.83
	23-May-18		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
	27-Jul-18		4.5		NS		3.4		NS		5.5		NS		2.6		NS		NS		0.41		NS
	24-Oct-18		NS		0.41		NS		NS		0.41		U		NS		NS		NS		1		NS
	16-Jan-19		0.083		U		NS		2		NS		0.083		U		NS		NS		0.083		NS
	12-Apr-19		NS		0.083		NS		NS		NS		0.083		U		NS		NS		1.1		0.12 *
	29-Jul-19		0.12		U		0.12		U		0.083		U		NS		NS		NS		NS		NS
	26-Sep-19		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
	29-Oct-19		NS		0.083		U		NS		NS		0.083		U		NS		NS		NS		NS
	21-Jan-20		0.08		U		NS		0.08		NS		U		NS		NS		NS		0.08		NS
	22-Apr-20		NS		0.083		NS		NS		0.083		NS		NS		NS		NS		NS		NS
	23-Jul-20		0.083		U		0.083		U		NS		NS		0.17		NS		NS		NS		NS
	29-Oct-20		NS		0.083		U		NS		0.083		U		NS		NS		NS		0.083		NS
	19-Jan-21		0.083		U		NS		1		0.083		NS		NS		NS		NS		0.083		NS
	15-Apr-21		NS		0.083		U		NS		NS		0.083		U		NS		NS		NS		NS
	21-Jul-21		1.7		NS		NS		NS		3.1		NS		NS		NS		NS		1.1		NS
	20-Oct-21		NS		0.083		U		NS		NS		0.083		U		NS		NS		NS		NS
	9-Feb-22		0.083		U		0.083		U		0.083		U		NS		NS		NS		1		0.083
	7-Apr-22		NS		0.083		U		NS		NS		U		NS		NS		NS		NS		1.1
	28-Jul-22		0.083		U		1.4		NS		1.3		NS		0.083		NS		NS		0.73		NS
	18-Oct-22		NS		0.92		NS		NS		NS		U		NS		NS		NS		1.3		NS
	24-Jan-23		1.2		NS		0.083		U		NS		2		NS		NS		NS		NS		NS
	19-Apr-23		NS		NS		NS		NS		NS		NS		NS		1.2		0.92		NS		0.96
	5-Jul-23		NS		NS		NS		NS		1.2		NS		NS		NS		NS		NS		NS
	18-Jul-23		2.8		NS		NS		NS		4.3		NS		NS		NS		NS		NS		NS
	25-Oct-23		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
	9-Jan-24		1.8		NS		NS		NS		1.9		NS		NS		NS		NS		1.2		NS



Summary of Subslab Air Sampling Data  
 Alvarez School  
 Volatile Organic Compounds  
 February 2008 - January 2024

Volatile Organic Compounds via TO-15	Sample Date	MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3	
		MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual
	8-Feb-08	0.15	U	NS		NS		NS		0.15		NS		NS		NS		0.15		0.15		NS	
	27-Mar-08	NS		0.154	U	NS		NS		NS		0.154	U	NS		NS		NS		0.154	U	NS	
	25-Apr-08	NS		NS		0.154	U	NS		NS		NS		0.154	U	NS		0.154	U	NS		0.154	U
	29-May-08	NS		NS		NS		0.15	U	NS		NS		NS		0.15	U	NS		0.15	U	NS	
	27-Jun-08	0.239	U	NS		NS		NS		0.154	U	NS		NS		NS		NS		0.154	U	0.154	U
	31-Jul-08	0.154		NS		NS		NS		NS		NS		0.154	U	NS		NS		0.154	U	0.154	U
	28-Aug-08	NS		NS		0.154	U	NS		NS		NS		0.154	U	NS		0.154	U	NS		0.154	U
	30-Sep-08	NS		NS		NS		0.15	U	NS		NS		NS		0.15	U	NS		0.15	U	0.15	U
	27-Oct-08	0.15	U	NS		NS		NS		0.15	U	NS		NS		0.15	U	NS		0.15	U	0.15	U
	25-Nov-08	NS		0.15	U	NS		NS		NS		0.15	U	NS		NS		NS		0.15	U	NS	
	19-Dec-08	NS		NS		0.15	U	NS		NS		NS		0.15	U	NS		NS		0.15	U	0.15	U
	21-Jan-09	NS		NS		NS		0.15	U	NS		NS		NS		0.15	U	NS		0.15	U	0.15	U
	25-Feb-09	0.15	U	NS		NS		NS		0.15	U	NS		NS		0.15	U	NS		0.15	U	NS	
	26-Mar-09	NS		0.768	U	NS		NS		NS		1.54	U	NS		NS		NS		0.154	U	0.154	U
	29-Apr-09	NS		NS		0.154	U	NS		NS		NS		0.154	U	NS		NS		0.154	U	0.154	U
	22-Jul-09	0.768	U	NS		31.3	U	1.54	U	NS		0.768	U	NS		NS		0.154	U	0.154	U	NS	
	9-Oct-09	NS		0.154	U	NS		NS		0.154	U	NS		0.154	U	32	U	0.154	U	NS		0.154	U
	15-Jan-10	0.154	U	NS		0.154	U	0.154	U	NS		0.154	U	NS		NS		0.154	U	0.154	U	0.154	U
	21-Apr-10	NS		0.154	U	NS		NS		NS		0.768	U	NS		0.768	U	0.154	U	NS		0.154	U
	16-Jul-10	0.154	U	NS		0.154	U	0.154	U	NS		1.16	U	NS		NS		0.154	U	0.154	U	NS	
	15-Oct-10	NS		0.154	U	NS		NS		0.154	U	NS		0.154	U	0.154	U	0.154	U	NS		0.154	U
	26-Jan-11	1.54	U	0.154	U	NS		0.154	U	NS		0.768	U	NS		0.768	U	0.768	U	NS		NS	
	28-Feb-11	NS		NS		1.54	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.154	U	NS		0.154	U	NS		0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U
	26-Jul-11	0.512	U	NS		0.512	U	0.154	U	NS		0.768	U	NS		NS		0.768	U	0.768	U	NS	
	28-Oct-11	NS		3.8	U	NS		NS		3.8	U	NS		3.8	U	3.8	U	3.8	U	NS		3.8	U
	23-Jan-12	0.77	U	NS		0.77	U	0.77	U	NS		0.77	U	NS		0.77	U	0.77	U	NS		0.77	U
	13-Apr-12	NS		0.38	U	NS		NS		0.38	U	NS		0.38	U	0.38	U	0.38	U	NS		0.38	U
	24-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		1.9	U	NS	
	23-Jan-12	0.77	U	NS		0.77	U	0.77	U	NS		0.77	U	NS		NS		0.77	U	0.77	U	NS	
	1-Nov-12	NS		0.077	U	NS		NS		0.077	U	NS		0.077	U	0.077	U	0.077	U	NS		0.077	U
	1-Feb-13	0.077	U	NS		0.077	U	0.077	U	NS		0.077	U	NS		NS		0.077	U	0.077	U	NS	
	29-Apr-13	NS		0.19	U	NS		NS		0.077	U	NS		0.077	U	0.077	U	0.077	U	NS		0.077	U
	9-Jul-13	0.12	U	NS		NS		0.077	U	0.077	U	NS		0.077	U	NS		0.077	U	0.077	U	NS	
	18-Oct-13	NS		0.15	U	NS		NS		0.15	U	NS		0.15	U	0.15	U	0.15	U	NS		0.15	U
	9-Jan-14	0.15	U	NS		0.15	U	0.15	U	NS		0.15	U	NS		0.15	U	0.15	U	NS		0.15	U
	24-Apr-14	NS		0.077	U	NS		NS		0.077	U	NS		0.077	U	0.077	U	0.077	U	0.077	U	0.23	U
	1-Aug-14	0.15	U	NS		0.23	U	NS		NS		0.15	U	NS		0.15	U	0.15	U	0.15	U	0.15	U
	27-Aug-14	NS		NS		NS		NS		NS		0.077	U	NS		NS		NS		NS		NS	
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
	22-Oct-14	NS		0.12	U	NS		NS		0.12	U	0.12	U	NS		0.12	U	0.12	U	0.12	U	0.15	U
	20-Jan-15	0.077	U	NS		0.077	U	0.077	U	NS		0.077	U	NS		NS		0.12	U	0.077	U	NS	
	30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		0.086	U	NS	
	22-Apr-15	NS		0.079	U	NS		NS		0.077	U	NS		0.077	U	0.11	U	0.077	U	NS		0.088	U
	21-Jul-15	0.4	U	NS		2	U	8	U	NS		0.4	U	NS		NS		0.4 <sup>U</sup>	U	0.4 <sup>U</sup>	U	NS	
	23-Sept-15 resample	NS		NS		NS		NS		NS		NS		NS		0.4	U	NS		NS		NS	
	29-Oct-15	NS		0.4	U	NS		NS		0.4	U	NS		0.4	U	0.4	U	0.4	U	NS		0.4	U
	4-Dec-15 resample	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
	27-Jan-16	0.077	U	NS		0.077	U	0.077	U	NS		0.077	U	NS		NS		0.077	U	0.077	U	NS	
	20-Apr-16	NS		0.077	U	NS		NS		0.077	U	NS		0.077	U	NS		0.077	U	0.077	U	NS	
	20-Jul-16	0.38	U	NS		0.38	U	0.38	U	NS		0.38	U	NS		NS		0.38	U	0.38	U	NS	
	21-Oct-16	NS		0.077	U	NS		NS		0.077	U	NS		0.077	U	NS		0.077	U	0.077	U	NS	
	31-Jan-17	0.077	U	NS		0.077	U	0.077	U	NS		0.077	U	NS		NS		0.077	U	0.077	U	NS	
	17-Apr-17	NS		0.12	U	NS		NS		0.12	U	NS		0.12	U	NS		0.12	U	NS		0.12	U
	26-Jul-17	0.077	U	NS		0.077	U	0.077	U	NS		0.077	U	NS		NS		0.077	U	0.077	U	NS	
	12-Oct-17	NS		0.077	U	NS		NS		0.23	U	NS		0.19	U	0.22	U	NS		NS		0.19	U
	10-Jan-18	0.077	U	NS		0.077	U	0.077	U	NS		0.077	U	NS		NS		0.077	U	NS		0.077	U
	11-Apr-18	NS		0.15	U	NS		NS		1.5	U	NS		1.5	U	1.5	U	1.5	U	NS		1.5	U
	23-May-18	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
	27-Jul-18	0.38	U	NS		0.38	U	0.38	U	NS		0.38	U	NS		NS		0.38	U	0.38	U	NS	
	24-Oct-18	NS		0.38	U	NS		NS		0.38	U	NS		0.38	U	NS		0.38	U	NS		0.38	U
	16-Jan-19	0.077	U	NS		0.077	U	0.077	U	NS		0.077	U	NS		NS		0.077	U	0.077	U	NS	
	12-Apr-19	NS		0.077	U	NS		NS		0.077	U	NS		0.096	U	NS		0.12	U	NS		0.12	U
	29-Jul-19	0.12	U	NS		0.12	U	0.077	U	NS		0.077	U	NS		NS		0.077	U	2.1	U	NS	
	26-Sep-19	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		0.12	U
	29-Oct-19	NS		0.077	U	NS		NS		0.077	U	NS		0.077	U	NS		0.38 <sup>U</sup>	U	0.38 <sup>U</sup>	U	0.38 <sup>U</sup>	U
	21-Jan-20	0.08	U	NS		0.08	U	0.08	U	NS		0.08	U	NS		NS		0.08	U	NS		NS	
	22-Apr-20	NS		0.077	U	NS		NS		0.077	U	NS		0.077	U	NS		0.077	U	NS		0.077	U
	23-Jul-20	0.077	U	NS		0.077	U	0.077	U	NS		0.15	U	NS		NS		0.15	U	0.15	U	NS	
	29-Oct-20	NS		0.077	U	NS		NS		0.077	U	NS		0.077	U	NS		NS		NS		0.077	U
	19-Jan-21	0.077	U	NS		0.077	U	0.077	U	NS		0.077	U	NS		NS		0.077	U	0.12 <sup>U</sup>	U	NS	
	15-Apr-21	NS		0.077	U	NS		NS		0.077	U	NS		0.077	U	NS		0.077	U	NS		0.077	U
	21-Jul-21	0.077	U	NS		0.077	U	0.077	U	NS		0.077	U	NS		NS		0.077	U	NS		0.077	U
	20-Oct-21	NS		0.077	U	NS		NS		0.077	U	NS		0.077	U	NS		0.077	U	NS		0.077	U
	9-Feb-22	0.077	U	NS		0.077	U	0.077	U	NS		0.077	U	NS		NS		0.077	U	0.077	U	NS	
	7-Apr-22	NS		0.077	U	NS		NS		0.077	U	NS		0.077	U	NS		0.077</					

Summary of Subslab Air Sampling Data  
 Alvarez School  
 Volatile Organic Compounds  
 February 2008 - January 2024

Volatile Organic Compounds via		MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3	
TO-15	Sample Date	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
	8-Feb-08	0.12	U	NS	NS	NS	NS	NS	NS	0.12	U	NS	NS	NS	NS	NS	NS	0.12	U	0.55	U	NS	NS
	27-Mar-08	NS		0.12	U	NS	NS	NS	NS	NS	NS	0.12	U	NS	NS	NS	NS	NS	0.12	U	NS	0.12	U
	25-Apr-08	NS		NS	U	0.12	U	NS	NS	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	NS	NS	0.12	U
	29-May-08	NS		NS		NS		0.12	U	NS		NS		NS		0.12	U	NS		0.12	U	NS	U
	27-Jun-08	0.187	U	NS		NS		NS		0.12		NS		NS		NS		NS		NS		0.12	U
	31-Jul-08	0.12		NS	U	NS		NS		NS		NS		NS		NS		NS		NS		0.12	U
	28-Aug-08	NS		NS		0.12	U	NS		NS		NS		0.12	U	NS		NS		0.12	U	NS	U
	30-Sep-08	NS		NS		NS		3	U	NS		NS		NS		3	U	NS		3	U	3	U
	27-Oct-08	3	U	NS		NS		NS		3	U	NS		NS		NS		3	U	NS		3	U
	25-Nov-08	NS		3		NS		NS		NS		NS		3	U	NS		NS		3	U	NS	U
	19-Dec-08	NS		NS		NS		3	U	NS		NS		NS		NS		NS		3	U	3	U
	21-Jan-09	NS		NS		NS		NS		NS		NS		NS		3	U	NS		NS		3	U
	25-Feb-09	3	U	NS		NS		NS		3	U	NS		NS		NS		3	U	NS		3	U
	26-Mar-09	NS		0.601	U	NS		NS		NS		1.2	U	NS		NS		NS		NS		0.12	U
	29-Apr-09	NS		0.12		NS		0.12	U	NS		NS		NS		NS		NS		NS		0.12	U
	22-Jul-09	0.601	U	NS		24	U	1.2	U	NS		0.601	U	NS		NS		NS		0.12	U	NS	U
	9-Oct-09	NS		0.12	U	NS		NS		0.12	U	NS		0.12	U	25.1	U	NS		NS		0.12	U
	15-Jan-10	0.12	U	NS		0.12	U	0.12	U	NS		0.12	U	NS		0.12	U	NS		0.12	U	NS	U
	21-Apr-10	NS		0.12	U	NS		NS		NS		0.601	U	NS		0.601	U	NS		0.12	U	NS	U
	16-Jul-10	0.12	U	NS		0.12	U	NS		NS		0.907	U	NS		NS		NS		NS		NS	U
	15-Oct-10	NS		0.12	U	NS		NS		0.12	U	NS		NS		0.12	U	NS		NS		0.12	U
	26-Jan-11	1.2	U	NS		NS		0.12	U	NS		0.601	U	NS		0.601	U	NS		0.601	U	NS	U
	28-Feb-11	NS		NS		1.2	U	NS		NS		NS		NS		NS		NS		NS		NS	U
	27-Apr-11	0.12	U	NS		NS		NS		0.12	U	NS		0.12	U	NS		NS		NS		0.12	U
	26-Jul-11	0.401	U	NS		0.401	U	0.12	U	NS		0.601	U	NS		NS		NS		0.12	U	0.601	U
	28-Oct-11	NS		3	U	NS		NS		3	U	NS		3	U	3	U	NS		3	U	NS	U
	23-Jan-12	0.6	U	NS		0.6	U	0.1	U	NS		0.6	U	NS		NS		0.6	U	NS		0.6	U
	13-Apr-12	NS		0.6		NS		NS		0.6	U	NS		0.6	U	0.6	U	NS		0.6	U	NS	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
	23-Jan-12	0.6	U	NS		0.6	U	0.6	U	NS		0.6	U	NS		NS		0.6	U	NS		0.6	U
	1-Nov-12	NS		0.12	U	NS		NS		0.12	U	NS		NS		NS		NS		NS		NS	U
	1-Feb-13	0.12	U	NS		0.12	U	0.12	U	NS		0.12	U	NS		NS		NS		NS		0.12	U
	29-Apr-13	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
	9-Jul-13	0.18	U	NS		0.12	U	0.12	U	NS		0.12	U	NS		NS		NS		NS		0.12	U
	18-Oct-13	NS		0.12	U	NS		NS		0.12	U	NS		NS		NS		NS		NS		0.12	U
	9-Jan-14	0.12	U	NS		0.12	U	NS		0.12	U	NS		NS		NS		NS		NS		NS	U
	24-Apr-14	NS		0.12	U	NS		NS		0.12	U	NS		NS		NS		NS		NS		0.12	U
	1-Aug-14	0.12	U	NS		0.18	U	0.69	U	NS		NS		NS		NS		NS		NS		0.12	U
	27-Aug-14	NS		NS		NS		NS		NS		0.12	U	NS		NS		NS		NS		NS	U
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
	22-Oct-14	NS		0.18	U	NS		NS		0.18	U	NS		0.18	U	NS		NS		NS		NS	U
	20-Jan-15	0.12	U	NS		0.12	U	0.12	U	NS		0.12	U	NS		NS		NS		NS		0.12	U
	30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
	22-Apr-15	NS		0.12	U	NS		NS		0.12	U	NS		NS		0.17	U	NS		NS		0.14	U
	21-Jul-15	0.3	U	NS		0.900 <sup>4</sup>	U	6	U	NS		0.3	U	NS		NS		0.3 <sup>10</sup>	U	NS		0.84 <sup>10</sup>	U
	23-Sept-15 resample	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
	29-Oct-15	NS		0.3	U	NS		NS		NS		NS		NS		0.3	U	NS		NS		NS	U
	4-Dec-15 resample	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
	27-Jan-16	0.12	U	NS		0.12	U	0.12	U	NS		0.12	U	NS		NS		NS		NS		NS	U
	20-Apr-16	NS		0.12	U	NS		NS		0.12	U	NS		NS		NS		NS		NS		NS	U
	20-Jul-16	0.60	U	NS		0.60	U	0.60	U	NS		0.60	U	NS		NS		NS		NS		0.60	U
	21-Oct-16	NS		0.12	U	NS		NS		0.12	U	NS		NS		NS		NS		NS		NS	U
	31-Jan-17	0.12	U	NS		0.12	U	NS		NS		NS		NS		NS		NS		NS		NS	U
	17-Apr-17	NS		0.18	U	NS		NS		0.18	U	NS		NS		NS		NS		NS		NS	U
	26-Jul-17	0.12	U	NS		0.12	U	0.12	U	NS		NS		NS		NS		NS		NS		NS	U
	12-Oct-17	NS		0.12	U	NS		NS		NS		NS		0.36	U	NS		NS		NS		NS	U
	10-Jan-18	0.12	U	NS		0.12	U	0.12	U	NS		NS		NS		NS		NS		NS		NS	U
	11-Apr-18	NS		0.12	U	NS		NS		1.2	U	NS		NS		1.2	U	NS		NS		1.2	U
	23-May-18	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
	27-Jul-18	0.60	U	NS		0.60	U	0.60	U	NS		0.60	U	NS		NS		NS		NS		0.60	U
	24-Oct-18	NS		0.6	U	NS		NS		0.6	U	NS		NS		NS		NS		NS		0.60	U
	16-Jan-19	0.12	U	NS		0.12	U	0.12	U	NS		NS		NS		NS		NS		NS		NS	U
	12-Apr-19	NS		0.12	U	NS		NS		0.12	U	NS		NS		NS		NS		NS		NS	U
	29-Jul-19	0.18	U	NS		0.18	U	NS		0.12	U	NS		NS		NS		NS		NS		NS	U
	26-Sep-19	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
	29-Oct-19	NS		0.12	U	NS		NS		0.23	U	NS		NS		0.6 <sup>10</sup>	U	NS		NS		0.6 <sup>10</sup>	U
	21-Jan-20	0.12	U	NS		0.12	U	0.12	U	NS		NS		NS		NS		NS		NS		NS	U
	22-Apr-20	NS		0.12	U	NS		NS		0.12	U	NS		NS		NS		NS		NS		NS	U
	23-Jul-20	0.12	U	NS		0.12	U	0.12	U	NS		NS		NS		NS		NS		NS		NS	U
	29-Oct-20	NS		0.12	U	NS		NS		0.12	U	NS		NS		NS		NS		NS		NS	U
	19-Jan-21	NS		NS		0.12	U	0.12	U	NS		NS		NS		NS		NS		NS		NS	U
	15-Apr-21	NS		0.12	U	NS		NS		0.12	U	NS		NS		NS		NS		NS		NS	U
	21-Jul-21	0.12	U	NS		0.12	U	0.12	U	NS		NS		NS		NS		NS		NS		NS	U
	20-Oct-21	NS		0.12	U	NS		NS		0.12	U	NS		NS		NS		NS		NS		NS	U
	9-Feb-22	0.12	U	NS		0.12	U	0.12	U	NS		NS		NS		NS		NS		NS		NS	U
	7-Apr-22	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
	28-Jul-22	0.12	U	NS		0.12	U	0.12	U	NS		NS		NS		NS		NS		NS		NS	U
	18-Oct-22	NS		0.12	U	NS		NS		0.12	U	NS		NS		NS		NS		NS		NS	U
	24-Jan-23	0.12	U	NS		0.12	U	0.12	U	NS		NS		NS		NS		NS		NS		NS	U
	19-Apr-23	NS		0.12 <sup>10</sup>	U	NS		NS		0.12 <sup>10</sup>	U	NS		NS		0.12 <sup>10</sup>	U	NS		NS		0.12 <sup>10</sup>	U
	5-Jul-23	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
	18-Jul-23	0.12	U	NS		0.12	U	0.12	U	NS		NS											

Summary of Subslab Air Sampling Data  
 Alvarez School  
 Volatile Organic Compounds  
 February 2008 - January 2024

Volatile Organic Compounds via		MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3	
TO-15	Sample Date	MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual
	8-Feb-08	0.12	U	NS		NS		NS		0.12	U	NS		NS		NS		0.12	U	0.12	U	NS	
	27-Mar-08	NS		NS	U	NS		0.6		NS		NS		NS		NS		NS		NS		0.12	U
	25-Apr-08	NS		NS		0.12		NS	U	NS		NS		0.12	U	NS		NS		NS		0.12	U
	29-May-08	NS		NS		NS		1.18		NS		NS		NS		3.47		NS		0.22		NS	
	27-Jun-08	0.187	U	NS		NS		NS		0.257		NS		NS		NS		NS		0.12	U	NS	
	31-Jul-08	0.822		NS		NS		NS		NS		NS		NS		NS		NS		0.12	U	NS	
	28-Aug-08	NS		NS		0.12		NS	U	NS		NS		0.12	U	NS		NS		0.12	U	NS	
	30-Sep-08	NS		NS		NS		3	U	NS		NS		NS		3	U	NS		3	U	NS	
	27-Oct-08	3	U	NS		NS		NS		3	U	NS		NS		NS		3	U	NS		3	U
	25-Nov-08	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
	19-Dec-08	NS		NS		3		NS	U	NS		NS		NS		NS		NS		3	U	NS	
	21-Jan-09	NS		NS		NS		3	U	NS		NS		NS		3	U	NS		NS		3	U
	25-Feb-09	3	U	NS		NS		NS		3	U	NS		NS		NS		NS		3	U	NS	
	26-Mar-09	NS		0.601	U	NS		NS		NS		1.2	U	NS		NS		NS		NS		0.12	U
	29-Apr-09	NS		NS		0.12		NS	U	NS		NS		NS		NS		NS		NS		0.12	U
	22-Jul-09	0.601	U	NS		24.5		1.2	U	NS		0.601	U	NS		NS		NS		0.12	U	0.36	NS
	9-Oct-09	NS		0.12	U	NS		NS		0.12	U	NS		NS		25.1	U	NS		NS		0.12	U
	15-Jan-10	0.12		NS		0.12		NS	U	NS		NS		NS		NS		NS		NS		NS	
	21-Apr-10	NS		0.12	U	NS		NS		0.601	U	NS		0.601	U	0.601	U	NS		NS		NS	
	16-Jul-10	0.595		NS		0.685		1.99		NS		0.907		NS		NS		NS		0.162		NS	
	15-Oct-10	NS		0.12	U	NS		NS		0.12	U	NS		NS		0.12	U	NS		NS		0.12	U
	26-Jan-11	1.2	U	NS		NS		0.12	U	NS		0.601	U	NS		0.601	U	NS		0.601	U	NS	
	28-Feb-11	NS		NS		1.2		NS	U	NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	0.12		NS	U	NS		0.42		NS		0.156		NS		NS		NS		NS		0.12	U
	26-Jul-11	0.401	U	NS		0.401		0.12	U	NS		0.601	U	NS		NS		NS		NS		0.601	U
	28-Oct-11	NS		3	U	NS		NS		3	U	NS		3	U	3	U	NS		NS		3	U
	23-Jan-12	1.6		NS		1.8		2.3		NS		1.6		NS		NS		1.9		2.7		NS	
	13-Apr-12	NS		0.6		NS		NS		0.6	U	NS		0.6	U	2	U	0.6		NS		0.6	U
	24-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		3	U	NS	
	23-Jan-12	0.6	U	NS		0.6		0.6	U	NS		0.6	U	NS		NS		0.6	U	0.6	U	NS	
	1-Nov-12	NS		1.2		NS		NS		2.6		NS		6		2.2		NS		NS		0.12	U
	1-Feb-13	0.18		NS		0.34		0.56		NS		0.44		NS		NS		NS		NS		NS	
	29-Apr-13	NS		1.3		NS		NS		4.5		NS		6		0.12	U	NS		NS		0.12	U
	9-Jul-13	NS		1.3		NS		2.0		3.9		NS		3.8		NS		NS		NS		0.12	U
	18-Oct-13	NS		0.52		NS		NS		1.4		NS		2.6		NS		NS		NS		0.22	U
	9-Jan-14	0.58		NS		0.9		1.1		NS		0.84		NS		4.1		NS		NS		NS	
	24-Apr-14	NS		0.12	U	NS		NS		0.14		NS		0.12	U	NS		NS		0.12	U	NS	
	1-Aug-14	4.2		NS		4.867		4.976		NS		NS		3.6		NS		NS		5.162		NS	
	27-Aug-14	NS		NS		NS		NS		NS		0.80		NS		NS		NS		NS		NS	
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
	22-Oct-14	NS		0.18		NS		NS		0.18	U	NS		0.18	U	NS		NS		NS		NS	
	30-Jan-15	0.12	U	NS		0.120		0.12	U	NS		0.12	U	NS		NS		NS		NS		NS	
	30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
	22-Apr-15	NS		0.13		NS		NS		0.36		NS		1.5		0.78/0.87		NS		NS		0.17	U
	21-Jul-15	0.3	U	NS		1	U	6	U	NS		0.30 <sup>9</sup>		NS		NS		NS		0.3 <sup>9</sup>	U	NS	
	23-Sept-15 resample	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
	29-Oct-15	NS		0.3	U	NS		NS		0.3	U	NS		NS		0.3	U	NS		NS		NS	
	4-Dec-15 resample	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
	27-Jan-16	0.12	U	NS		0.12	U	0.22 <sup>10</sup>		NS		NS		NS		NS		0.21 <sup>10</sup>		NS		NS	
	20-Apr-16	NS		0.31		NS		NS		0.51		NS		0.22		NS		NS		NS		0.21	U
	20-Jul-16	0.60	U	NS		1.3		0.60	U	NS		0.60	U	NS		NS		NS		NS		NS	
	21-Oct-16	NS		0.12	U	NS		NS		0.12	U	NS		0.12	U	NS		NS		NS		NS	
	31-Jan-17	0.12		NS		0.13		NS		NS		NS		NS		NS		NS		NS		NS	
	17-Apr-17	NS		0.92		NS		0.79		NS		NS		1.3		NS		NS		NS		NS	
	26-Jul-17	0.2		NS		0.12	U	2.3		NS		3.5		NS		NS		NS		NS		NS	
	12-Oct-17	NS		2.2		NS		0.73		NS		NS		4.2		4.5		NS		NS		1	U
	10-Jan-18	0.12	U	NS		0.19		0.28		NS		0.12	U	NS		NS		NS		NS		0.69	U
	11-Apr-18	NS		0.12	U	NS		NS		1.2	U	NS		NS		1.2	U	NS		NS		1.2	U
	23-May-18	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
	27-Jul-18	3.4		NS		6.4		4.4		NS		4.1		NS		NS		NS		NS		NS	
	24-Oct-18	NS		0.6	U	NS		NS		0.6	U	NS		NS		NS		NS		NS		NS	
	16-Jan-19	0.12	U	NS		0.12	U	0.12	U	NS		0.12	U	NS		NS		NS		NS		NS	
	12-Apr-19	NS		NS		NS		NS		0.13		NS		NS		NS		NS		NS		NS	
	29-Jul-19	3.3		NS		3		6.4		NS		6.7		NS		NS		NS		NS		NS	
	26-Sep-19	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
	29-Oct-19	NS		1		NS		NS		1.4		NS		0.22		2.6 <sup>11</sup>		1.1		4.1 <sup>11</sup>		2.7 <sup>11</sup>	
	21-Jan-20	0.57		NS		0.68		0.67		NS		0.25		NS		NS		NS		NS		NS	
	22-Apr-20	NS		0.3		NS		NS		0.13		NS		0.63		NS		NS		NS		NS	
	23-Jul-20	0.12	U	NS		6.3		0.12	U	NS		0.24	U	NS		NS		NS		NS		NS	
	29-Oct-20	NS		0.12	U	NS		NS		0.12	U	NS		NS		NS		NS		NS		NS	
	19-Jan-21	NS		NS		0.12	U	NS		NS		NS		NS		NS		NS		NS		NS	
	15-Apr-21	NS		0.12	U	NS		NS		0.12	U	NS		NS		NS		NS		NS		NS	
	21-Jul-21	2.2		NS		1.6		NS		1.8		NS		3.5		NS		NS		NS		NS	
	20-Oct-21	NS		0.12	U	NS		NS		0.12	U	NS		NS		NS		NS		NS		NS	
	9-Feb-22	0.23		NS		0.39		1.6		NS		0.27	U	NS		NS		NS		NS		NS	
	7-Apr-22	NS		0.12	U	NS		NS		0.12	U	NS		NS		NS		NS		NS		NS	
	28-Jul-22	2.2		NS		6.6		2.9		NS		3.1		NS		NS		NS		NS		NS	
	18-Oct-22	NS		0.12	U	NS		NS		0.12	U	NS		NS		NS		NS		NS		NS	
	24-Jan-23	NS	U	NS		0.12	U	NS		NS		NS		NS		NS		NS		NS		NS	
	19-Apr-23	NS		1.2		NS		NS		0.52		NS		NS		0.35		NS		NS		NS	
	5-Jul-23	NS		NS		NS		NS	U	NS		NS		NS		NS		NS		NS		NS	
	18-Jul-23	3.3		NS		6.9		7		NS		7.2		NS		NS		NS		NS		NS	
	25-Oct-23	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
	9-Jan-24	0.13		NS		0.12		NS	U	NS		0.12	U	NS		NS		NS		NS			

Summary of Subslab Air Sampling Data  
 Alvarez School  
 Volatile Organic Compounds  
 February 2008 - January 2024

Volatile Organic Compounds via		MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3	
TO-15	Sample Date	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
	8-Feb-08	NS	NS	NS	NS	NS	NS	NS	NS	0.26	NS	NS	NS	NS	NS	NS	NS	NS	9.5	7.91	NS	NS	NS
	27-Mar-08	NS	NS	4.33	NS	NS	NS	NS	NS	NS	NS	8.48	NS	NS	NS	NS	NS	NS	NS	6.28	NS	NS	15.1
	25-Apr-08	NS	NS	NS	NS	0.347	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	17.9	NS	NS	16.3
	29-May-08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	9.41	NS	NS	4.18
	27-Jun-08	NS	NS	47.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	57.9
	31-Jul-08	NS	NS	2.46	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.84	NS	NS	2.04
	28-Aug-08	NS	NS	NS	NS	234	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	214	NS	NS	208
	30-Sep-08	NS	NS	NS	NS	NS	NS	7.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	NS	NS	6.8
	27-Oct-08	NS	U	3	NS	NS	NS	NS	NS	3	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	NS	U	3
	25-Nov-08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	U	NS	3
	19-Dec-08	NS	NS	NS	NS	3	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.7	NS	NS	17.1
	21-Jan-09	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	U	NS	27.2
	25-Feb-09	NS	U	3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3	U	NS	3
	26-Mar-09	NS	NS	5.43	NS	NS	NS	NS	NS	NS	NS	4.87	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	20.6
	29-Apr-09	NS	NS	NS	NS	1.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.91	NS	NS	4.25
	22-Jul-09	0.601	U	NS	NS	24.5	U	1.2	NS	NS	NS	0.601	U	NS	NS	NS	NS	NS	NS	0.601	NS	NS	0.613
	9-Oct-09	NS	NS	3.31	NS	NS	NS	NS	NS	3.44	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.79	NS	U	6.95
	15-Jan-10	0.12	NS	NS	NS	1.06	NS	0.715	NS	NS	NS	0.823	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	1.98
	21-Apr-10	NS	NS	0.12	U	NS	NS	NS	NS	0.601	U	NS	NS	NS	NS	NS	NS	NS	NS	0.601	U	NS	3.27
	16-Jul-10	1.78	NS	NS	NS	2.86	NS	NS	NS	NS	NS	1.36	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	5.05
	15-Oct-10	NS	NS	0.685	NS	NS	NS	NS	NS	NS	NS	1.75	NS	NS	NS	NS	NS	NS	NS	1.37	NS	U	1.8
	26-Jan-11	1.2	U	0.12	U	NS	NS	0.12	U	NS	NS	0.601	U	NS	NS	NS	NS	NS	NS	0.601	U	NS	0.601
	28-Feb-11	NS	NS	NS	NS	1.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	27-Apr-11	NS	NS	0.985	NS	NS	NS	NS	NS	NS	NS	1.08	NS	NS	NS	NS	NS	NS	NS	1.14	NS	U	1.07
	26-Jul-11	5.45	NS	NS	NS	5.21	NS	0.715	NS	NS	NS	5.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	5.54
	28-Oct-11	NS	NS	3	U	NS	NS	NS	NS	NS	NS	3	U	NS	NS	NS	NS	NS	NS	3	U	NS	3
	23-Jan-12	0.6	U	NS	NS	0.6	U	NS	NS	0.6	NS	0.6	U	NS	NS	NS	NS	NS	NS	0.6	NS	U	0.66
	13-Apr-12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	24-Jul-12 (resample)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	23-Jan-12	0.6	U	NS	NS	0.6	U	NS	NS	0.6	NS	0.6	U	NS	NS	NS	NS	NS	NS	0.6	NS	U	0.6
	1-Nov-12	NS	NS	0.12	U	NS	NS	NS	NS	NS	NS	0.12	U	NS	NS	NS	NS	NS	NS	0.12	U	NS	0.12
	1-Feb-13	NS	U	NS	NS	0.12	U	NS	NS	0.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	29-Apr-13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	9-Jul-13	0.18	U	NS	NS	0.14	U	NS	NS	0.12	U	NS	NS	NS	NS	NS	NS	NS	NS	0.12	U	NS	0.12
	18-Oct-13	NS	NS	0.12	U	NS	NS	NS	NS	NS	NS	0.12	U	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	9-Jan-14	0.12	U	NS	NS	0.12	U	NS	NS	NS	NS	0.12	U	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	24-Apr-14	NS	NS	0.12	U	NS	NS	NS	NS	NS	NS	0.12	U	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	1-Aug-14	0.12	U	NS	NS	0.18	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	27-Aug-14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	12-Sept-14 (resample)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	22-Oct-14	NS	NS	0.18	NS	NS	NS	NS	NS	0.18	NS	0.18	U	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	20-Jan-15	0.12	U	NS	NS	0.120	U	NS	NS	0.12	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	30-Mar-15 (resample)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	22-Apr-15	NS	NS	0.12	U	NS	NS	NS	NS	NS	NS	0.12	U	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	21-Jul-15	0.3	U	NS	NS	1	U	NS	NS	6	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	23-Sept-15 resample	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	29-Oct-15	NS	NS	0.3	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	4-Dec-15 resample	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	27-Jan-16	0.12	U	NS	NS	0.12	U	NS	NS	0.12	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	20-Apr-16	NS	NS	0.12	U	NS	NS	NS	NS	0.52	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	20-Jul-16	0.60	U	NS	NS	0.60	U	NS	NS	0.60	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	21-Oct-16	NS	NS	0.12	U	NS	NS	NS	NS	0.12	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	31-Jan-17	0.12	NS	NS	NS	0.12	U	NS	NS	NS	NS	0.12	U	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	17-Apr-17	NS	NS	0.18	U	NS	NS	NS	NS	0.18	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	26-Jul-17	0.12	U	NS	NS	1.8	NS	NS	NS	0.12	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	12-Oct-17	NS	NS	0.12	U	NS	NS	NS	NS	NS	NS	0.36	U	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	10-Jan-18	0.12	U	NS	NS	0.12	U	NS	NS	0.12	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	11-Apr-18	NS	NS	0.12	U	NS	NS	NS	NS	1.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	23-May-18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	27-Jul-18	0.60	U	NS	NS	0.60	U	NS	NS	0.60	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	24-Oct-18	NS	NS	0.6	U	NS	NS	NS	NS	0.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	16-Jan-19	0.12	U	NS	NS	0.12	U	NS	NS	0.12	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	12-Apr-19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	29-Jul-19	0.18	U	NS	NS	0.18	U	NS	NS	0.12	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	26-Sep-19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	29-Oct-19	NS	NS	0.12	U	NS	NS	NS	NS	0.29	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	21-Jan-20	0.12	U	NS	NS	0.12	U	NS	NS	0.12	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	22-Apr-20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	23-Jul-20	0.12	U	NS	NS	0.12	U	NS	NS	0.12	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	29-Oct-20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	19-Jan-21	NS	NS	0.12	U	NS	NS	NS	NS	0.12	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	15-Apr-21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	21-Jul-21	0.16	NS	NS	NS	0.12	U	NS	NS	0.12	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	20-Oct-21	NS	NS	0.12	U	NS	NS	NS	NS	0.12	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	9-Feb-22	0.12	U	NS	NS	0.12	U	NS	NS	0.12	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS
	7-Apr-22	NS																					

Summary of Subslab Air Sampling Data  
 Alvarez School  
 Volatile Organic Compounds  
 February 2008 - January 2024

Volatile Organic Compounds via TO-15	Sample Date	MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3	
		Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
	8-Feb-08		2		NS		NS		NS		2.03		NS		NS		NS		1.92		2		NS
	27-Mar-08		NS		2.29		NS		NS		NS		2.15		NS		NS		NS		2.72		4.14
	25-Apr-08		NS		NS		2.01		NS		NS		NS		2.11		NS		2.04		NS		2.16
	29-May-08		NS		NS		NS		1.63		NS		NS		1.62		NS		1.68		NS		1.66
	27-Jun-08		2.03		NS		NS		NS		2.52		NS		NS		NS		NS		2.27		2.48
	31-Jul-08		1.9		NS		NS		NS		NS		NS		1.81		NS		1.81		1.9		1.87
	28-Aug-08		NS		NS		3.13		NS		NS		NS		2.8		NS		2.75		2.88		NS
	30-Sep-08		NS		NS		NS		2.5		U		NS		NS		2.5		NS		2.5		2.7
	27-Oct-08		2.5		U		NS		NS		2.5		U		NS		NS		2.5		U		2.5
	25-Nov-08		NS		2.15		NS		NS		NS		11.7		NS		NS		2.5		5.1		NS
	19-Dec-08		NS		NS		2.5		NS		NS		NS		2.5		NS		NS		2.5		2.5
	21-Jan-09		NS		NS		NS		2.5		U		NS		NS		NS		5.8		NS		2.5
	25-Feb-09		2.5		U		NS		NS		19.4		NS		NS		NS		2.5		U		3.4
	26-Mar-09		NS		2.55		NS		NS		NS		2.48		NS		NS		NS		2.46		2.41
	29-Apr-09		NS		NS		2.41		NS		NS		3.78		NS		2.26		NS		2.4		2.4
	22-Jul-09		2.42		NS		2.42		2.72		NS		2.5		NS		NS		2.37		2.48		NS
	9-Oct-09		NS		2.73		NS		NS		2.77		NS		3.67		51.6		2.64		NS		2.79
	15-Jan-10		2.5		NS		3.57		2.52		NS		2.61		NS		NS		2.29		2.25		NS
	21-Apr-10		NS		0.568		NS		NS		2.2		NS		2.59		2.2		2.64		NS		2.43
	16-Jul-10		3.36		NS		2.61		2.55		NS		2.98		NS		NS		3.15		3.29		NS
	15-Oct-10		NS		3.13		NS		NS		2.67		NS		2.43		2.41		2.46		NS		2.43
	26-Jan-11		2.47		U		2.2		2.64		NS		1.98		NS		2.57		3.31		3.24		NS
	28-Feb-11		NS		NS		2.47		U		NS		NS		NS		NS		NS		NS		NS
	27-Apr-11		NS		2.18		NS		NS		2.27		NS		2.18		NS		2.32		2.3		NS
	26-Jul-11		2.41		NS		2.29		2.28		NS		2.08		NS		NS		2.44		2.3		NS
	28-Oct-11		NS		2.7		NS		NS		2.7		NS		2.7		2.7		2.9		NS		3.1
	23-Jan-12		2.5		NS		2.6		NS		2.6		NS		2.7		2.6		NS		2.6		NS
	13-Apr-12		NS		NS		2.5		NS		2.9		NS		2.4		3.2		2.5		NS		2.8
	24-Jul-12 (resample)		NS		NS		NS		NS		NS		NS		NS		NS		2.8		NS		NS
	23-Jan-12		2.6		NS		2.3		NS		2.5		NS		2.3		NS		2.3		NS		2.3
	1-Nov-12		NS		1.8		NS		NS		1.8		NS		2		1.9		2		NS		1.9
	1-Feb-13		1.4		NS		1.4		1.5		NS		1.6		NS		NS		1.6		NS		1.6
	29-Apr-13		NS		2.6		NS		NS		2.3		NS		2.2		2.3		2.3		NS		2.3
	9-Jul-13		1		NS		1.1		0.99		NS		1.1		NS		NS		1.0		1.1		NS
	18-Oct-13		NS		2.0		NS		NS		1.9		NS		1.9		2.2		NS		2.0		2.1
	9-Jan-14		1.5		NS		1.2		1.3		NS		1.4		NS		1.5		NS		1.5		NS
	24-Apr-14		NS		2.7		NS		NS		2.6		NS		2.3		2.6		2.7		2.6		3.1
	1-Aug-14		1.1		NS		2.215		2.316		NS		1.6		NS		1.6		2.216		NS		NS
	27-Aug-14		NS		NS		NS		NS		NS		2.9/3.3		NS		NS		NS		NS		NS
	12-Sept-14 (resample)		NS		NS		NS		NS		NS		NS		NS		NS		NS		U		NS
	22-Oct-14		NS		1.3		NS		NS		1.4		1.4		1.4		1.6		1.4		NS		NS
	30-Jan-15		0.099		U		NS		1.5		1.4		NS		1.4		NS		1.4		NS		1.5
	30-Mar-15 (resample)		NS		NS		NS		NS		NS		NS		NS		NS		NS		1.4		NS
	22-Apr-15		NS		4.0 <sup>v</sup>		NS		NS		4.1 <sup>v</sup>		NS		NS		1.8		1.7/2.0		1.8		2.0
	21-Jul-15		0.88		NS		1.6		NS		5		U		0.91		NS		0.74 <sup>v</sup>		0.72 <sup>v</sup>		NS
	23-Sept-15 resample		NS		NS		NS		NS		NS		NS		NS		0.93		NS		NS		NS
	29-Oct-15		NS		1		NS		NS		0.89		NS		0.88		0.89		0.83		NS		0.84
	4-Dec-15 resample		NS		0.91		NS		NS		NS		NS		NS		NS		NS		NS		NS
	27-Jan-16		2 <sup>m</sup>		NS		2.1 <sup>m</sup>		NS		2.1 <sup>m</sup>		NS		NS		2.2 <sup>m</sup>		2.1 <sup>m</sup>		NS		NS
	20-Apr-16		NS		1.5		NS		NS		1.6		NS		1.5		1.7		1.6		NS		1.7
	20-Jul-16		1.4		NS		1.6		1.6		NS		1.6		NS		1.5		1.5		NS		NS
	21-Oct-16		NS		0.55		NS		NS		0.55		NS		0.58		0.56		0.51		NS		0.51
	31-Jan-17		0.75		NS		0.79		NS		0.8		NS		NS		NS		0.78		NS		0.86
	17-Apr-17		NS		0.84		NS		NS		0.89		NS		0.91		0.96		0.86		NS		0.93
	26-Jul-17		1.8		NS		1.8		NS		1.8		NS		1.7		NS		1.8		NS		NS
	12-Oct-17		NS		0.82		NS		NS		0.73		NS		1.3		1.2		1.4		NS		1.2
	10-Jan-18		0.66		NS		0.67		0.65		NS		0.63		NS		NS		0.63		NS		0.63
	11-Apr-18		NS		1.2		NS		NS		2.8		NS		2.7		2.7		1.1		NS		2.7
	23-May-18		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
	27-Jul-18		1.6		NS		1.7		1.6		NS		1.5		NS		NS		1.4		1.6		NS
	24-Oct-18		NS		1.7		NS		NS		1.2		NS		1.1		NS		1.3		NS		1.2
	16-Jan-19		0.75		NS		0.78		NS		0.75		NS		NS		NS		0.79		0.99		NS
	12-Apr-19		NS		0.84 <sup>v</sup>		NS		NS		0.83 <sup>v</sup>		NS		NS		0.79		NS		NS		1.1
	29-Jul-19		0.15		U		NS		0.15		U		0.099		U		NS		NS		0.099		NS
	26-Sep-19		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
	29-Oct-19		NS		1.5		NS		NS		1.8		NS		1.6		1.5		2.6 <sup>d</sup>		3.4 <sup>d</sup>		2.8 <sup>d</sup>
	21-Jan-20		2.40		NS		2.40		0.10		U		NS		2.60		NS		0.73		U		2.50
	22-Apr-20		NS		NS		1.2		NS		1.1		NS		1.1		NS		1.1		NS		1.3
	23-Jul-20		0.099		U		NS		1.1		NS		0.2		NS		NS		2.6		0.2		NS
	29-Oct-20		NS		0.099		NS		NS		0.099		NS		U		0.099		0.099		NS		0.099
	19-Jan-21		0.91		NS		0.99		NS		0.99		U		NS		NS		NS		U		1.1 <sup>r</sup>
	15-Apr-21		NS		0.099		U		NS		0.099		U		NS		0.099		U		NS		1.9
	21-Jul-21		1.8		NS		1.9		2.3		NS		NS		2.2		NS		2		NS		2
	20-Oct-21		NS		2.4		NS		NS		2.5		NS		2.8		2.8		2.6		NS		2.6
	9-Feb-22		0.7		NS		0.93		0.71		NS		0.82		NS		NS		0.88		0.91		NS
	7-Apr-22		NS		2.2		NS		NS		2.2		NS		2.2		NS		2.2		NS		2.3
	28-Jul-22		0.52		NS		2.6		2.7		NS		0.099		U		NS		1.6		2.7		NS
	18-Oct-22		NS		NS		2.4		NS		NS		2.4		NS		2.5		2.3		NS		2.4
	24-Jan-23		2.5		NS		2.6		NS		2.6		NS		2.5		NS		2.6		NS		2.9
	19-Apr-23		NS		0.68		NS		NS		0.7		NS		NS		0.73		0.72		NS		0.68
	5-Jul-23		NS		NS		0.61		NS		NS		NS		NS		NS		NS		NS		NS
	18-Jul-23		0.6		NS		0.58		0.61		NS		0.55		NS		NS		0.53		0.58		NS
	25-Oct-23		NS		NS		1.2		NS		NS		0.96		NS		1.3		1.7		NS		1.2
	9-Jan-24		1.4		NS		NS		1.4		1.5		NS										





Summary of Subslab Air Sampling Data  
 Alvarez School  
 Volatile Organic Compounds  
 February 2008 - January 2024

Volatile Organic Compounds via TO-15	Sample Date	MP-1			MP-2			MP-3			MP-4			MP-5			MP-6			MP-7			MP-8			IMP-1			IMP-2			IMP-3			
		Qual	MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual					
	8-Feb-08		0.08		NS		NS		NS		NS		NS		0.08		NS		NS		NS		NS		NS		0.09		NS		0.08		NS		NS
	27-Mar-08		NS		0.081		NS		NS		NS		NS		NS		0.143		NS		NS		NS		NS		NS		0.081		NS		0.1		
	25-Apr-08		NS		NS		NS		0.081		NS		NS		NS		NS		0.081		NS		NS		NS		0.081		NS		NS		0.089		
	29-May-08		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		0.08		NS		NS		NS		
	27-Jun-08		0.126		NS		NS		NS		NS		NS		0.153		NS		NS		NS		NS		NS		NS		0.11		NS		0.081		
	31-Jul-08		0.081		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		0.081		NS		NS		0.081		
	28-Aug-08		NS		NS		NS		0.171		NS		NS		NS		NS		NS		NS		NS		NS		0.081		NS		NS		NS		
	27-Oct-08		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	27-Oct-08		0.08		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		0.095		
	25-Nov-08		NS		0.08		NS		NS		NS		NS		NS		0.08		NS		NS		NS		NS		NS		NS		NS		NS		
	19-Dec-08		NS		NS		NS		0.08		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	21-Jan-09		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	25-Feb-09		0.08		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	26-Mar-09		NS		0.404		NS		NS		NS		NS		NS		0.809		NS		NS		NS		NS		NS		NS		NS		0.133		
	29-Apr-09		NS		NS		0.319		NS		NS		NS		NS		NS		0.081		NS		NS		NS		NS		NS		NS		0.089		
	22-Jul-09		0.404		NS		16.5		NS		0.809		NS		NS		0.404		NS		NS		NS		NS		NS		NS		NS		NS		
	9-Oct-09		NS		0.081		NS		NS		0.081		NS		NS		0.081		NS		NS		NS		NS		NS		NS		NS		NS		
	15-Jan-10		0.081		NS		0.081		NS		0.081		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	21-Apr-10		NS		0.081		NS		NS		NS		NS		0.404		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	16-Jul-10		0.101		NS		1.44		NS		0.081		NS		NS		0.611		NS		NS		NS		NS		NS		NS		NS		NS		
	15-Oct-10		NS		0.081		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	26-Jan-11		0.809		NS		NS		NS		0.081		NS		NS		0.404		NS		NS		NS		NS		NS		NS		NS		NS		
	28-Feb-11		NS		NS		0.809		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	27-Apr-11		NS		0.081		NS		NS		0.081		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	26-Jul-11		0.27		NS		NS		0.27		0.101		NS		NS		0.405		NS		NS		NS		NS		NS		NS		NS		NS		
	28-Oct-11		NS		2		NS		NS		NS		NS		2		NS		NS		2		NS		NS		NS		2		NS		NS		
	23-Jan-12		0.2		NS		NS		0.2		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	13-Apr-12		NS		NS		0.2		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	24-Jul-12 (resample)		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	23-Jan-12		0.4		NS		NS		0.4		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	1-Nov-12		NS		0.04		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	1-Feb-13		0.053		NS		0.062		NS		0.062		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	29-Apr-13		NS		0.19		NS		NS		NS		NS		NS		0.06		NS		NS		NS		NS		NS		NS		NS		NS		
	9-Jul-13		0.12		NS		NS		0.081		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	18-Oct-13		NS		0.081		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	9-Jan-14		0.081		NS		0.040		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	24-Apr-14		NS		0.04		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	1-Aug-14		0.040		NS		0.170		NS		0.061		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	27-Aug-14		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	12-Sept-14 (resample)		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	22-Oct-14		NS		0.061		NS		NS		NS		NS		0.061		0.061		NS		NS		NS		NS		NS		NS		NS		NS		
	20-Jan-15		0.040		NS		0.040		NS		0.040		NS		NS		0.040		NS		NS		NS		NS		NS		NS		NS		NS		
	30-Mar-15 (resample)		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	22-Apr-15		NS		0.17 <sup>v</sup>		NS		NS		NS		NS		0.087 <sup>v</sup>		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	21-Jul-15		NS		0.140 <sup>f</sup>		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	23-Sept-15 resample		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	29-Oct-15		NS		0.2		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	4-Dec-15 resample		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	27-Jan-16		0.04		NS		0.057		NS		0.042		NS		NS		0.049		NS		NS		NS		NS		NS		NS		NS		NS		
	20-Apr-16		NS		0.053		NS		NS		0.040		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	20-Jul-16		0.20		NS		0.20		NS		0.20		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	21-Oct-16		NS		0.086		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	31-Jan-17		0.04		NS		0.078		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	17-Apr-17		NS		0.061		NS		NS		NS		NS		0.061		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	26-Jul-17		0.04		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	12-Oct-17		NS		0.04		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	10-Jan-18		0.04		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	11-Apr-18		NS		0.081		NS		NS		NS		NS		0.81 <sup>p</sup>		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	23-May-18		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	27-Jul-18		0.20		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	24-Oct-18		NS		0.2		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	16-Jan-19		0.04		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	12-Apr-19		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
	29-Jul-19		0.061		NS		0.061		NS	</																									

Summary of Subslab Air Sampling Data  
 Alvarez School  
 Volatile Organic Compounds  
 February 2008 - January 2024

Volatile Organic Compounds via TO-15	Sample Date	MP-1			MP-2			MP-3			MP-4			MP-5			MP-6			MP-7			MP-8			IMP-1			IMP-2			IMP-3							
		MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual										
	8-Feb-08	0.08	U	NS	NS	NS	NS	NS	NS	0.08	U	NS	NS	NS	NS	NS	0.08	U	NS	NS	NS	NS	0.08	U	NS	NS	NS	NS	NS	0.08	U	NS	NS	NS	NS				
	27-Mar-08	NS	NS	0.079	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS				
	25-Apr-08	NS	NS	NS	U	NS	NS	0.079	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS			
	29-May-08	NS	NS	NS	NS	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS			
	27-Jun-08	0.123	U	NS	NS	NS	NS	NS	NS	0.079	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	31-Jul-08	NS	NS	0.079	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS			
	28-Aug-08	NS	NS	NS	NS	NS	NS	0.079	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	30-Sep-08	NS	NS	NS	NS	NS	NS	NS	2	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	27-Oct-08	2	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	25-Nov-08	NS	NS	2	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	19-Dec-08	NS	NS	NS	NS	NS	NS	2	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	21-Jan-09	NS	NS	NS	NS	NS	NS	NS	2	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	25-Feb-09	2	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	26-Mar-09	NS	NS	0.396	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	29-Apr-09	NS	NS	0.079	NS	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	22-Jul-09	0.396	U	NS	NS	16.2	U	0.792	U	NS	NS	0.396	U	NS	NS	0.396	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	9-Oct-09	NS	NS	NS	U	NS	NS	NS	NS	NS	NS	0.079	U	NS	NS	0.079	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	15-Jan-10	0.137	U	NS	NS	0.079	U	NS	NS	0.079	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	21-Apr-10	NS	NS	0.079	U	NS	NS	NS	NS	NS	NS	0.396	U	NS	NS	0.396	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	16-Jul-10	0.079	U	NS	NS	0.206	U	NS	NS	0.079	U	NS	NS	NS	NS	0.598	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	15-Oct-10	NS	NS	0.079	U	NS	NS	NS	NS	NS	NS	0.079	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	26-Jan-11	0.792	U	NS	NS	NS	NS	NS	NS	NS	NS	0.396	U	NS	NS	0.396	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	28-Feb-11	NS	NS	NS	NS	0.792	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
	27-Apr-11	NS	NS	0.079	U	NS	NS	NS	NS	NS	NS	0.079	U	NS	NS	0.079	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	26-Jul-11	0.264	U	NS	NS	0.264	U	NS	NS	0.079	U	NS	NS	NS	NS	0.396	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	28-Oct-11	NS	NS	2	U	NS	NS	NS	NS	NS	NS	2	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	23-Jan-12	0.4	U	NS	NS	0.4	U	NS	NS	NS	NS	0.4	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	13-Apr-12	NS	NS	NS	NS	0.2	U	NS	NS	NS	NS	0.2	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	24-Jul-12 (resample)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	23-Jan-12	0.4	U	NS	NS	0.4	U	NS	NS	NS	NS	0.4	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	1-Nov-12	NS	NS	0.04	U	NS	NS	NS	NS	NS	NS	0.04	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	1-Feb-13	0.04	U	NS	NS	0.04	U	NS	NS	NS	NS	0.04	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	29-Apr-13	NS	NS	0.099	NS	NS	NS	NS	NS	NS	NS	0.04	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9-Jul-13	0.059	U	NS	NS	0.040	U	NS	NS	0.040	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	18-Oct-13	NS	NS	0.079	U	NS	NS	NS	NS	NS	NS	0.079	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9-Jan-14	0.079	U	NS	NS	0.081	U	NS	NS	0.079	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	24-Apr-14	NS	NS	0.04	U	NS	NS	NS	NS	NS	NS	0.04	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	1-Aug-14	0.079	U	NS	NS	0.120	U	NS	NS	0.420	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	27-Aug-14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12-Sept-14 (resample)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	22-Oct-14	NS	NS	0.059	U	NS	NS	NS	NS	NS	NS	0.059	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	20-Jan-15	0.04	U	NS	NS	0.040	U	NS	NS	0.040	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	30-Mar-15 (resample)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	22-Apr-15	NS	NS	0.041	U	NS	NS	NS	NS	NS	NS	0.040	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	21-Jul-15	0.2	U	NS	NS	0.8	U	NS	NS	4	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	23-Sept-15 resample	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	29-Oct-15	NS	NS	0.2	U	NS	NS	NS	NS	NS	NS	0.2	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	4-Dec-15 resample	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	27-Jan-16	0.04	U	NS	NS	0.04	U	NS	NS	0.04	U	NS	NS																										

Summary of Subslab Air Sampling Data  
 Alvarez School  
 Volatile Organic Compounds  
 February 2008 - January 2024

Volatile Organic Compounds via TO-15	Sample Date	MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3	
		Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
	8-Feb-08	NS	U	NS	U	NS	U	NS	U	0.08	U	NS	U	NS	U	NS	U	0.08	U	0.08	U	NS	U
	27-Mar-08	NS	U	0.079	U	NS	U	NS	U	NS	U	0.079	U	NS	U	NS	U	NS	U	NS	U	0.079	U
	25-Apr-08	NS	U	NS	U	0.079	U	NS	U	NS	U	NS	U	0.079	U	NS	U	0.079	U	NS	U	0.079	U
	29-May-08	NS	U	NS	U	NS	U	0.08	U	NS	U	NS	U	NS	U	0.08	U	0.08	U	NS	U	NS	U
	27-Jun-08	0.123	U	NS	U	NS	U	NS	U	0.079	U	NS	U	NS	U	NS	U	NS	U	0.079	U	0.079	U
	31-Jul-08	NS	U	0.079	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.079	U	0.079	U
	28-Aug-08	NS	U	NS	U	0.079	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.079	U	NS	U
	30-Sep-08	NS	U	NS	U	NS	U	5.9	U	NS	U	NS	U	NS	U	5.9	U	NS	U	5.9	U	5.9	U
	27-Oct-08	2	U	NS	U	NS	U	NS	U	2	U	NS	U	NS	U	2	U	NS	U	2	U	2	U
	25-Nov-08	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U
	19-Dec-08	NS	U	NS	U	2	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	2	U	2	U
	21-Jan-09	NS	U	NS	U	NS	U	2	U	NS	U	NS	U	NS	U	2	U	NS	U	2	U	2	U
	25-Feb-09	2	U	NS	U	NS	U	NS	U	2	U	NS	U	NS	U	NS	U	2	U	NS	U	NS	U
	26-Mar-09	NS	U	0.396	U	NS	U	NS	U	NS	U	0.792	U	NS	U	NS	U	NS	U	NS	U	0.079	U
	29-Apr-09	NS	U	NS	U	0.079	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.079	U
	22-Jul-09	0.396	U	NS	U	595	U	0.792	U	NS	U	0.396	U	NS	U	NS	U	NS	U	0.079	U	NS	U
	9-Oct-09	NS	U	NS	U	NS	U	NS	U	0.079	U	NS	U	NS	U	16.5	U	NS	U	NS	U	NS	U
	15-Jan-10	0.079	U	NS	U	0.079	U	0.079	U	NS	U	0.079	U	NS	U	NS	U	NS	U	NS	U	NS	U
	21-Apr-10	NS	U	0.079	U	NS	U	NS	U	0.396	U	NS	U	0.396	U	0.396	U	0.079	U	NS	U	0.079	U
	16-Jul-10	0.079	U	NS	U	0.079	U	NS	U	0.598	U	NS	U	NS	U	NS	U	NS	U	0.079	U	NS	U
	15-Oct-10	NS	U	0.079	U	NS	U	NS	U	0.079	U	NS	U	NS	U	0.079	U	NS	U	NS	U	0.079	U
	26-Jan-11	0.792	U	NS	U	NS	U	NS	U	0.396	U	NS	U	0.396	U	NS	U	NS	U	0.396	U	NS	U
	28-Feb-11	NS	U	NS	U	0.792	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U
	27-Apr-11	NS	U	0.079	U	NS	U	NS	U	0.079	U	NS	U	0.079	U	NS	U	NS	U	NS	U	NS	U
	26-Jul-11	0.264	U	NS	U	0.264	U	NS	U	0.079	U	NS	U	0.396	U	NS	U	NS	U	0.396	U	NS	U
	28-Oct-11	NS	U	2	U	NS	U	NS	U	2	U	NS	U	2	U	2	U	2	U	NS	U	2	U
	23-Jan-12	0.4	U	NS	U	0.4	U	0.4	U	NS	U	0.4	U	NS	U	0.4	U	NS	U	0.4	U	NS	U
	13-Apr-12	NS	U	0.2	U	NS	U	NS	U	0.2	U	NS	U	0.2	U	0.2	U	0.2	U	NS	U	0.2	U
	24-Jul-12 (resample)	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U
	23-Jan-12	0.4	U	NS	U	0.4	U	0.4	U	NS	U	0.4	U	NS	U	NS	U	NS	U	0.4	U	NS	U
	1-Nov-12	NS	U	0.04	U	NS	U	NS	U	NS	U	0.04	U	NS	U	0.04	U	0.04	U	NS	U	NS	U
	1-Feb-13	0.04	U	NS	U	0.04	U	NS	U	0.04	U	NS	U	NS	U	NS	U	0.04	U	NS	U	NS	U
	29-Apr-13	NS	U	NS	U	NS	U	0.079	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U
	9-Jul-13	0.059	U	NS	U	0.040	U	0.040	U	NS	U	0.054	U	NS	U	NS	U	NS	U	NS	U	NS	U
	18-Oct-13	NS	U	NS	U	NS	U	NS	U	0.079	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U
	9-Jan-14	0.079	U	NS	U	0.079	U	NS	U	NS	U	0.079	U	NS	U	NS	U	NS	U	NS	U	NS	U
	24-Apr-14	NS	U	0.04	U	NS	U	NS	U	NS	U	0.04	U	NS	U	0.04	U	0.04	U	NS	U	0.12	U
	1-Aug-14	0.079	U	NS	U	0.120	U	0.120	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U
	27-Aug-14	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U
	12-Sept-14 (resample)	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U
	22-Oct-14	NS	U	0.059	U	NS	U	NS	U	0.059	U	NS	U	0.059	U	NS	U	NS	U	NS	U	NS	U
	20-Jan-15	0.04	U	NS	U	0.040	U	0.040	U	NS	U	0.040	U	NS	U	NS	U	NS	U	NS	U	NS	U
	30-Mar-15 (resample)	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U
	22-Apr-15	NS	U	0.041 <sup>v</sup>	U	NS	U	NS	U	0.040 <sup>v</sup>	U	NS	U	NS	U	0.057	U	0.040	U	NS	U	0.046	U
	21-Jul-15	0.2	U	NS	U	0.8	U	4	U	NS	U	NS	U	NS	U	NS	U	0.11 <sup>1,9</sup>	U	1.700 <sup>9</sup>	U	NS	U
	23-Sept-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U
	29-Oct-15	NS	U	0.2	U	NS	U	NS	U	0.27	U	NS	U	0.31	U	NS	U	NS	U	NS	U	2.7	U
	4-Dec-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U
	27-Jan-16	0.04	U	NS	U	0.04	U	0.04	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U
	20-Apr-16	NS	U	0.040	U	NS	U	NS	U	0.040	U	NS	U	NS	U	0.040	U	0.040	U	NS	U	0.040	U
	20-Jul-16	0.20	U	NS	U	0.20	U	0.20	U	NS	U	0.2	U	NS	U	NS	U	0.21	U	NS	U	NS	U
	21-Oct-16	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U
	31-Jan-17	0.04	U	NS	U	0.04	U	0.04	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U
	17-Apr-17	NS	U	0.059	U	NS	U	NS	U	0.059	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U
	26-Jul-17	0.04	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U
	12-Oct-17	NS	U	0.04	U	NS	U	NS	U	0.04	U	NS	U	NS	U	0.099	U	0.11	U	NS	U	0.099	U
	10-Jan-18	0.04	U	NS	U	0.04	U	0.04	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U
	11-Apr-18	NS	U	0.079	U	NS	U	NS	U	0.79	U	NS	U	NS	U	0.79	U	NS	U	NS	U	0.79	U
	23-May-18	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U
	27-Jul-18	0.20	U	NS	U	0.20	U	0.20	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U
	24-Oct-18	NS	U	0.2	U	NS	U	NS	U	0.2	U	NS	U	NS	U	0.2	U	NS	U	NS	U	NS	U
	16-Jan-19	0.04	U	NS	U	0.04	U	0.04	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U
	12-Apr-19	NS	U	NS	U	NS	U	NS	U	0.04	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U
	29-Jul-19	0.059	U	NS	U	0.059	U	0.071	U	NS	U	0.062	U	NS	U	NS	U	NS	U	NS	U	NS	U
	26-Sep-19	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U
	29-Oct-19	NS	U	NS	U	NS	U	NS	U	0.04	U	NS	U	NS	U	0.04	U	NS	U	NS	U	NS	U
	21-Jan-20	0.04	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U
	22-Apr-20	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U
	23-Jul-20	0.04	U	NS	U	NS	U	NS	U	0.04	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U
	29-Oct-20	NS	U	0.04	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U
	19-Jan-21	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U
	15-Apr-21	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U
	21-Jul-21	0.04	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U
	20-Oct-21	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U
	9-Feb-22	0.04	U																				









Summary of Subslab Air Sampling Data  
 Alvarez School  
 Volatile Organic Compounds  
 February 2008 - January 2024

Volatile Organic Compounds via		MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual
TO-15	Sample Date																						
	8-Feb-08	0.21		NS		NS		NS		0.23		NS		NS		NS		0.33		4.89		NS	
	27-Mar-08	NS		0.295		NS		NS		NS		0.157		NS		NS		NS		0.645		0.372	
	25-Apr-08	NS		NS		0.291		NS		NS		NS		0.32		NS		NS		NS		0.565	
	29-May-08	NS		NS		NS		1.49		NS		NS		NS		2.2		NS		1.01		NS	
	27-Jun-08	4.34		NS		NS		NS		NS		0.472		NS		NS		NS		0.606		0.699	
	31-Jul-08	NS		NS		NS		NS		NS		NS		NS		0.758		NS		0.577		NS	
	28-Aug-08	NS		NS		0.83		NS		NS		NS		0.482		NS		0.711		0.666		NS	
	30-Sep-08	NS		NS		NS		2.2		NS		NS		NS		2.2		NS		2.2		2.2	
	27-Oct-08	18.4		NS		NS		NS		NS		NS		NS		NS		2.2		NS		2.2	
	25-Nov-08	NS		2.2		NS		NS		NS		2.2		NS		NS		2.3		2.2		NS	
	19-Dec-08	NS		NS		2.2		NS		NS		NS		NS		NS		NS		2.2		2.2	
	21-Jan-09	NS		NS		NS		2.2		NS		NS		NS		NS		2.2		NS		2.2	
	25-Feb-09	10.8		NS		NS		NS		2.2		NS		NS		NS		2.2		NS		NS	
	26-Mar-09	NS		0.516		NS		NS		NS		0.868		NS		NS		NS		0.845		1.18	
	29-Apr-09	NS		NS		0.19		NS		NS		0.191		NS		NS		0.304		NS		0.325	
	22-Jul-09	11.7		NS		11.7		0.868		NS		1.15		NS		NS		38.2		1.04		NS	
	9-Oct-09	NS		0.564		NS		NS		0.56		NS		0.291		18.1		NS		0.542		NS	
	15-Jan-10	6.95		NS		0.568		0.542		NS		0.659		NS		NS		0.712		0.72		NS	
	21-Apr-10	NS		0.504		NS		NS		1.34		NS		1.8		1.76		2.12		NS		1.56	
	16-Jul-10	8.23		NS		2.4		1.8		NS		1.44		NS		NS		1.51		1.42		NS	
	15-Oct-10	NS		0.534		NS		NS		0.625		NS		0.521		0.573		1.07		NS		0.833	
	26-Jan-11	1.26		1.62		NS		1.66		NS		1.26		NS		1.21		4.14		4.68		NS	
	28-Feb-11	NS		NS		0.868		NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.243		NS		0.239		NS		0.286		NS		3.86		0.564		NS		0.508	
	26-Jul-11	3.91		NS		0.942		0.339		NS		0.434		NS		NS		0.304		0.434		NS	
	28-Oct-11	NS		2.2		NS		NS		2.2		NS		NS		2.2		3.8		NS		2.2	
	23-Jan-12	3		NS		0.79		NS		0.56		NS		0.82		NS		1.7		12		NS	
	13-Apr-12	NS		0.43		NS		NS		0.43		NS		NS		0.43		1.5		NS		0.43	
	24-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		2.2		NS	
	23-Jan-12	5.1		NS		0.53		0.43		NS		0.47		NS		NS		0.76		NS		NS	
	1-Nov-12	NS		0.55		NS		NS		0.57		NS		NS		0.75		NS		0.87		1.3	
	1-Feb-13	1.3		NS		0.18		0.15		NS		0.23		NS		NS		0.54		0.52		NS	
	29-Apr-13	NS		0.33		NS		NS		0.39		NS		0.37		0.49		0.65		NS		NS	
	9-Jul-13	5.1		NS		0.087		NS		0.68		NS		NS		1.1		1.0		NS		NS	
	18-Oct-13	NS		1.7		NS		NS		NS		2.0		NS		2.6		NS		1.9		NS	
	9-Jan-14	2.7		NS		2.0		2.6		NS		2.8		NS		NS		6.2		NS		NS	
	24-Apr-14	NS		0.087		NS		NS		0.087		NS		0.087		0.087		0.092		0.087		0.49	
	1-Aug-14	NS		1.7		0.84		0.65		NS		NS		NS		0.45		NS		NS		NS	
	27-Aug-14	NS		NS		NS		NS		NS		0.96		NS		NS		NS		NS		NS	
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		0.79		NS		NS		NS	
	22-Oct-14	NS		0.13		NS		NS		0.13		0.13		NS		0.15		0.27		NS		NS	
	20-Jan-15	0.400		NS		0.087		0.096		NS		0.087		NS		NS		0.24		0.29		NS	
	30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		0.29		NS		NS	
	22-Apr-15	NS		0.22		NS		NS		0.12		NS		NS		0.26		0.44		NS		0.53	
	21-Jul-15	0.54		NS		0.590 <sup>1</sup>		4		NS		0.56		NS		NS		0.65 <sup>19</sup>		0.90 <sup>19</sup>		NS	
	23-Sept-15 resample	NS		NS		NS		NS		NS		NS		NS		0.41		NS		NS		NS	
	29-Oct-15	NS		0.2		NS		NS		0.14 <sup>1</sup>		NS		NS		0.22 <sup>1</sup>		0.28		NS		0.33	
	4-Dec-15 resample	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
	27-Jan-16	0.63		NS		0.087		0.12		NS		0.12		NS		NS		0.51		NS		NS	
	20-Apr-16	NS		0.3		NS		NS		0.39		NS		NS		0.56		0.34		NS		0.61	
	20-Jul-16	5.8		NS		0.75		0.43		NS		0.5		NS		NS		2.7		1.1		NS	
	21-Oct-16	NS		0.14		NS		NS		0.35		NS		NS		0.24		1.2		NS		0.52	
	31-Jan-17	0.56		NS		0.16		0.17		NS		0.14		NS		NS		0.86		0.61		NS	
	17-Apr-17	NS		0.13		NS		NS		0.13		NS		NS		0.13		NS		NS		0.17	
	26-Jul-17	0.53		NS		0.27		0.21		NS		0.38		NS		NS		0.4		0.35		NS	
	12-Oct-17	NS		0.16		NS		NS		0.2		NS		0.26		NS		0.32		NS		0.31	
	10-Jan-18	0.5		NS		0.11		0.22		NS		0.19		NS		NS		NS		0.94		NS	
	11-Apr-18	NS		0.13		NS		NS		0.87		NS		NS		0.87		NS		NS		0.87	
	23-May-18	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
	27-Jul-18	0.43		NS		0.43		0.43		NS		0.43		NS		NS		0.43		NS		NS	
	24-Oct-18	NS		0.43		NS		NS		0.43		NS		NS		0.7		0.43		NS		0.43	
	16-Jan-19	0.51		NS		0.087		0.11		NS		0.13		NS		NS		0.26		NS		NS	
	12-Apr-19	NS		NS		NS		0.11		NS		0.11		NS		NS		0.19		NS		0.37	
	29-Jul-19	3.6		NS		3.7		4.6		NS		5.5		NS		NS		2.4		3.3		NS	
	26-Sep-19	NS		NS		NS		NS		NS		NS		NS		NS		NS		1.4		NS	
	29-Oct-19	NS		0.64		NS		NS		0.48		NS		NS		0.66		1.1 <sup>19</sup>		1.6 <sup>19</sup>		0.97 <sup>19</sup>	
	21-Jan-20	0.24		NS		0.30		0.27		NS		0.19		NS		NS		0.92		1.10		NS	
	22-Apr-20	NS		0.087		NS		NS		0.087		NS		NS		0.087		NS		0.29		NS	
	23-Jul-20	0.92		NS		0.29		0.27		NS		0.4		NS		NS		0.71		1.3		NS	
	29-Oct-20	NS		0.19		NS		NS		0.2		NS		0.16		NS		0.27		0.43		NS	
	19-Jan-21	0.15		NS		0.087		NS		0.087		NS		NS		NS		0.28		0.31 <sup>1</sup>		NS	
	15-Apr-21	NS		0.087		NS		NS		0.087		NS		NS		0.087		NS		NS		0.094	
	21-Jul-21	2.5		NS		2.7		0.97		NS		6		NS		NS		1.1		2.7		NS	
	20-Oct-21	NS		0.097		NS		NS		0.11		NS		NS		0.12		NS		0.24		NS	
	9-Feb-22	0.087		NS		0.087		NS		0.087		NS		NS		NS		0.33		0.43		NS	
	7-Apr-22	NS		1.2		NS		NS		NS		1.4		NS		1.5		0.4		NS		0.53	
	28-Jul-22	0.54		NS		0.8		0.86		NS		1.1		NS		NS		0.4		0.63		NS	
	18-Oct-22	NS		0.34		NS		NS		0.44		NS		0.65		NS		0.62		NS		0.62	
	24-Jan-23	NS		0.087		NS		0.29		NS		0.22		NS		NS		0.39		NS		NS	
	19-Apr-23	NS		6		NS		NS		NS		7		NS		5.8		5.1		6.9		1.6	
	5-Jul-23	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
	18-Jul-23	NS		NS		0.3		0.28		NS		4.2		NS		NS		2		2.3		NS	
	25-Oct-23	NS		0.85		NS		NS		0.86		NS		NS		NS		0.63		0.63		0.67	
	9																						



Summary of Subslab Air Sampling Data  
 Alvarez School  
 Volatile Organic Compounds  
 February 2008 - January 2024

Volatile Organic Compounds via TO-15	Sample Date	MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3	
		Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
	8-Feb-08	2.46	U	NS	NS	NS	NS	NS	NS	2.46	U	NS	NS	NS	NS	2.46	U	2.46	U	2.46	U	NS	NS
	27-Mar-08	NS		2.46	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.46	NS	2.46	U	2.46	U
	25-Apr-08	NS		NS	NS	2.46	U	NS	NS	NS	NS	2.46	U	NS	NS	2.46	U	NS	NS	2.46	U	2.46	U
	29-May-08	NS		NS	NS	NS	NS	2.46	U	NS	NS	NS	NS	NS	NS	2.46	U	2.46	U	NS	NS	2.46	U
	27-Jun-08	3.83	U	NS	NS	NS	NS	NS	NS	2.46	U	NS	NS	NS	NS	NS	NS	2.46	U	2.46	U	2.46	U
	31-Jul-08	2.46		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.46	U	2.46	U	2.46	U
	28-Aug-08	NS		NS	NS	2.46	U	NS	NS	NS	NS	2.46	U	NS	NS	NS	NS	2.46	U	2.46	U	NS	NS
	30-Sep-08	NS		NS	NS	NS	NS	4.9	U	NS	NS	NS	NS	NS	NS	4.9	U	NS	NS	4.9	U	4.9	U
	27-Oct-08	5.2		NS	NS	NS	NS	NS	NS	4.9	U	NS	NS	NS	NS	4.9	U	NS	NS	4.9	U	4.9	U
	25-Nov-08	NS		4.9	NS	NS	NS	NS	NS	NS	NS	4.9	U	NS	NS	NS	NS	5.9	U	4.9	U	NS	NS
	19-Dec-08	NS		NS	NS	4.9	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.9	U	4.9	U
	21-Jan-09	NS		NS	NS	NS	NS	4.9	U	NS	NS	NS	NS	NS	NS	4.9	U	NS	NS	4.9	U	NS	NS
	25-Feb-09	4.9	U	NS	NS	NS	NS	NS	NS	4.9	U	NS	NS	NS	NS	NS	NS	4.9	U	4.9	U	NS	NS
	26-Mar-09	NS		12.3	U	NS	NS	NS	NS	NS	NS	24.6	U	NS	NS	NS	NS	NS	NS	2.46	U	2.46	U
	29-Apr-09	NS		2.46	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.46	U	2.46	U	2.46	U
	22-Jul-09	12.3	U	NS	NS	12.3	U	24.6	U	NS	NS	12.3	U	NS	NS	NS	NS	3.78	U	2.46	U	NS	NS
	9-Oct-09	NS		2.74	U	NS	NS	NS	NS	2.46	U	NS	NS	2.46	U	513	U	2.46	U	NS	NS	2.46	U
	15-Jan-10	2.46	U	NS	NS	2.46	U	NS	NS	NS	NS	2.46	U	NS	NS	NS	NS	2.46	U	2.46	U	2.46	U
	21-Apr-10	NS		2.46	U	NS	NS	NS	NS	12.3	U	NS	NS	12.3	U	NS	NS	2.46	U	NS	NS	2.46	U
	16-Jul-10	2.46	U	NS	NS	2.46	U	NS	NS	NS	NS	18.5	U	NS	NS	NS	NS	2.46	U	2.46	U	NS	NS
	15-Oct-10	NS		2.46	U	NS	NS	NS	NS	2.46	U	NS	NS	2.46	U	2.46	U	2.46	U	NS	NS	2.46	U
	26-Jan-11	2.46	U	NS	NS	NS	NS	2.46	U	NS	NS	12.3	U	NS	NS	NS	NS	12.3	U	NS	NS	NS	NS
	28-Feb-11	NS		NS	NS	24.6	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	27-Apr-11	NS		2.46	U	NS	NS	NS	NS	2.46	U	NS	NS	2.46	U	NS	NS	2.46	U	NS	NS	2.46	U
	26-Jul-11	8.21	U	NS	NS	8.21	U	2.46	U	NS	NS	12.3	U	NS	NS	NS	NS	2.46	U	12.3	U	NS	NS
	28-Oct-11	NS		6.2	U	NS	NS	NS	NS	6.2	U	NS	NS	6.2	U	6.2	U	6.2	U	NS	NS	6.2	U
	23-Jan-12	1.2	U	NS	NS	1.2	U	0.25	U	NS	NS	1.2	U	NS	NS	1.2	U	1.2	U	1.4	NS	NS	NS
	13-Apr-12	NS		NS	NS	NS	NS	NS	NS	1.2	U	NS	NS	1.2	U	1.2	U	1.2	U	NS	NS	1.2	U
	24-Jul-12 (resample)	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	6.2	U	NS	NS
	23-Jan-12	1.2	U	NS	NS	1.2	U	1.2	U	NS	NS	1.2	U	NS	NS	NS	NS	1.2	U	1.2	U	NS	NS
	1-Nov-12	NS		0.25	U	NS	NS	NS	NS	0.25	U	NS	NS	0.25	U	0.25	U	0.25	U	NS	NS	0.25	U
	1-Feb-13	0.25	U	NS	NS	0.25	U	0.25	U	NS	NS	0.25	U	NS	NS	0.25	U	0.25	U	NS	NS	0.25	U
	29-Apr-13	NS		0.62	NS	NS	NS	NS	NS	0.25	U	NS	NS	0.25	U	0.25	U	0.25	U	NS	NS	0.25	U
	9-Jul-13	0.37	U	NS	NS	0.25	U	0.25	U	NS	NS	0.25	U	NS	NS	0.25	U	0.25	U	NS	NS	0.25	U
	18-Oct-13	NS		0.25	U	NS	NS	NS	NS	0.25	U	NS	NS	0.25	U	0.27	U	NS	NS	NS	NS	0.25	U
	9-Jan-14	0.25	U	NS	NS	0.25	U	0.25	U	NS	NS	0.25	U	NS	NS	NS	NS	0.53	U	NS	NS	0.25	U
	24-Apr-14	NS		0.25	U	NS	NS	NS	NS	0.25	U	NS	NS	0.25	U	0.25	U	0.25	U	0.25	U	0.37	U
	1-Aug-14	0.25	U	NS	NS	0.37	U	NS	NS	0.37	U	NS	NS	0.25	U	0.25	U	0.25	U	NS	NS	0.25	U
	27-Aug-14	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12-Sept-14 (resample)	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	22-Oct-14	NS		0.37	U	NS	NS	NS	NS	0.37	U	0.37	U	NS	NS	0.37	U	0.37	U	0.37	U	NS	NS
	20-Jan-15	0.25	U	NS	NS	0.25	U	0.25	U	NS	NS	0.37	U	NS	NS	NS	NS	NS	NS	0.25	U	NS	NS
	30-Mar-15 (resample)	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.28	U	NS	NS
	22-Apr-15	NS		0.26	U	NS	NS	NS	NS	0.25	U	NS	NS	0.25	U	0.36	U	0.25	U	NS	NS	0.29	U
	21-Jul-15	0.140 <sup>f</sup>		NS	NS	1	U	5	U	NS	NS	0.19 <sup>f</sup>		NS	NS	NS	NS	0.21 <sup>f,0</sup>		0.20 <sup>f,0</sup>		NS	NS
	23-Sept-15 resample	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.2	U	NS	NS	NS	NS	NS	NS
	29-Oct-15	NS		0.3	U	NS	NS	NS	NS	0.3	U	NS	NS	0.4	U	0.2	U	NS	NS	0.2	U	NS	NS
	4-Dec-15 resample	NS		0.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	27-Jan-16	0.25	U	NS	NS	0.25	U	0.25	U	NS	NS	0.25	U	NS	NS	NS	NS	0.25	U	0.25	U	NS	NS
	20-Apr-16	NS		0.25	U	NS	NS	NS	NS	0.25	U	NS	NS	0.25	U	NS	NS	0.25	U	NS	NS	0.25	U
	20-Jul-16	1.2	U	NS	NS	1.2	U	NS	NS	1.2	U	NS	NS	1.2	U	NS	NS	1.2	U	1.2	U	NS	NS
	21-Oct-16	NS		0.25	U	NS	NS	NS	NS	0.25	U	NS	NS	0.25	U	NS	NS	0.25	U	NS	NS	0.25	U
	31-Jan-17	0.25	U	NS	NS	0.25	U	0.25	U	NS	NS	0.25	U	NS	NS	NS	NS	0.25	U	0.25	U	NS	NS
	17-Apr-17	NS		0.37	U	NS	NS	NS	NS	0.37	U	NS	NS	0.37	U	NS	NS	0.37	U	NS	NS	0.37	U
	26-Jul-17	0.25	U	NS	NS	0.25	U	0.25	U	NS	NS	0.25	U	NS	NS	NS	NS	0.25	U	NS	NS	0.25	U
	12-Oct-17	NS		0.25	U	NS	NS	NS	NS	0.25	U	NS	NS	0.76	U	0.62	U	NS	NS	0.71	U	NS	NS
	10-Jan-18	0.25	U	NS	NS	0.25	U	0.25	U	NS	NS	0.25	U	NS	NS	NS	NS	0.25	U	NS	NS	0.25	U
	11-Apr-18	NS		0.25	U	NS	NS	NS	NS	2.5	U	NS	NS	2.5	U	2.5	U	NS	NS	NS	NS	2.5	U
	23-May-18	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.37	U	NS	NS
	27-Jul-18	1.2	U	NS	NS	1.2	U	NS	NS	1.2	U	NS	NS	1.2	U	NS	NS	1.2	U	1.2	U	NS	NS
	24-Oct-18	NS		1.2	U	NS	NS	NS	NS	1.2	U	NS	NS	1.2	U	NS	NS	1.2	U	NS	NS	1.2	U
	16-Jan-19	0.25	U	NS	NS	0.25	U	0.25	U	NS	NS	0.25	U	NS	NS	NS	NS	0.25	U	0.25	U	NS	NS
	12-Apr-19	NS		0.25	U	NS	NS	NS	NS	0.25	U	NS	NS	0.31	U	0.37	U	NS	NS	0.37	U	NS	NS
	29-Jul-19	0.37	U	NS	NS	0.37	U	0.25	U	NS	NS	0.25	U	NS	NS	NS	NS	0.25	U	0.25	U	NS	NS
	26-Sep-19	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.37	U	NS	NS
	29-Oct-19	NS		0.25	U	NS	NS	NS	NS	0.25	U	NS	NS	0.25	U	NS	NS	0.25	U	1.2 <sup>g</sup>	U	1.2 <sup>g</sup>	U
	21-Jan-20	0.25	U	NS	NS	0.25	U	0.25	U	NS	NS	0.25	U	NS	NS	NS	NS	0.25	U	0.25	U	NS	NS
	22-Apr-20	NS		0.25	U	NS	NS	NS	NS	0.25	U	NS	NS	0.25	U	NS	NS	0.25	U	NS	NS	0.25	U
	23-Jul-20	0.25	U	NS	NS	0.25	U	0.25	U	NS	NS	0.5	U	NS	NS	NS	NS	0.5	U	0.5	U	NS	NS
	29-Oct-20	NS		0.25	U	NS	NS	NS	NS	0.25	U	NS	NS	0.25	U	NS	NS	0.25	U	NS	NS	0.25	U
	19-Jan-21	0.25	U	NS	NS	0.25	U	0.25	U	NS	NS	0.25	U	NS	NS	NS	NS	0.25	U	0.37 <sup>g</sup>	U	NS	NS
	15-Apr-21	NS		0.25	U	NS	NS	NS	NS	0.25	U	NS	NS	0.25	U	NS	NS	0.25	U	NS	NS	0.25	U
	21-Jul-21	0.25	U	NS	NS	0.25	U	0.25	U	NS	NS	0											

Summary of Subslab Air Sampling Data  
 Alvarez School  
 Volatile Organic Compounds  
 February 2008 - January 2024

Volatile Organic Compounds via TO-15		MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual	
Sample Date																								
8-Feb-08		2.74		NS		NS		NS		2.74		NS		NS		NS		2.74		2.74		NS		NS
27-Mar-08		NS	U	2.74		NS		1.2		NS		NS		NS		NS		NS		NS		2.74		2.74
25-Apr-08		NS		NS	U	2.74		NS	U	NS		NS		2.74	U	NS		2.74	U	NS		2.74	U	2.74
29-May-08		NS		NS		NS		2.74	U	NS		NS		NS		2.74	U	NS		2.74	U	NS		NS
27-Jun-08		4.27	U	NS		NS		NS		2.74	U	NS		NS		NS		NS		NS		2.74	U	2.74
31-Jul-08		2.74		NS	U	NS		NS		NS		NS		NS		NS		2.74	U	NS		2.74	U	2.74
28-Aug-08		NS		NS		2.74	U	NS		NS		NS		2.74	U	NS		2.74	U	NS		2.74	U	NS
30-Sep-08		NS		NS		NS		5.5	U	NS		NS		NS		5.5	U	NS		5.5	U	5.5	U	5.5
27-Oct-08		12.5		NS		NS		NS		5.5	U	NS		NS		NS		18.5	U	NS		5.5	U	5.5
25-Nov-08		NS		5.5		NS		NS		NS		5.5	U	NS		NS		5.5	U	NS		NS		NS
19-Dec-08		NS		NS		NS	U	NS		NS		NS		NS		NS		NS		NS		5.5	U	5.5
21-Jan-09		NS		NS		NS		5.5	U	NS		NS		NS		5.5	U	NS		NS		NS		NS
25-Feb-09		5.5	U	NS		NS		NS		5.5	U	NS		NS		NS		5.5	U	NS		5.5	U	NS
26-Mar-09		NS		13.7	U	NS		NS		NS		27.4	U	NS		NS		NS		NS		2.74	U	2.74
29-Apr-09		NS		2.74		NS	U	NS		NS		NS		NS		2.74	U	NS		NS		2.74	U	2.74
22-Jul-09		13.7	U	NS		13.7	U	27.4	U	13.7	U	NS		NS		NS		2.74	U	NS		2.74	U	NS
9-Oct-09		NS		2.74	U	NS		NS		2.74	U	NS		NS		NS		2.74	U	NS		2.74	U	2.74
15-Jan-10		2.72	U	NS		NS	U	2.74	U	NS		NS		NS		NS		2.74	U	NS		2.74	U	2.74
21-Apr-10		NS		2.74	U	NS		NS		13.7	U	NS		NS		13.7	U	NS		NS		NS		2.74
16-Jul-10		2.74	U	NS		2.74	U	NS		20.7	NS		NS		NS		2.74	U	NS		2.74	U	NS	
15-Oct-10		NS		2.74	U	NS		NS		2.74	U	NS		NS		2.74	U	NS		NS		2.74	U	2.74
26-Jan-11		27.4		NS		NS		2.74	U	13.7	U	NS		NS		13.7	U	NS		NS		NS		NS
28-Feb-11		NS		NS		27.4	U	NS		NS		NS		NS		NS		NS		NS		NS		NS
27-Apr-11		NS		2.74		NS		NS		2.74	U	NS		NS		2.74	U	NS		NS		NS		NS
26-Jul-11		9.17	U	NS		9.17	U	2.74	U	NS		13.7	U	NS		NS		2.74	U	NS		13.7	U	NS
28-Oct-11		NS		6.3	U	NS		NS		6.3	U	NS		6.3	U	NS		6.3	U	NS		6.3	U	NS
23-Jan-12		1.3	U	NS		1.3	U	1.3	U	NS		1.3	U	NS		1.3	U	NS		1.3	U	NS		NS
13-Apr-12		NS		1.3		NS		NS		1.3	U	NS		1.3	U	NS		1.3	U	NS		1.3	U	NS
24-Jul-12 (resample)		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
23-Jan-12		1.3	U	NS		1.3	U	1.3	U	NS		1.3	U	NS		NS		1.3	U	NS		1.3	U	NS
1-Nov-12		NS		0.25	U	NS		NS		0.25	U	NS		0.27	U	NS		0.25	U	NS		NS		0.45
1-Feb-13		0.25	U	NS		0.25	U	NS		0.25	U	NS		0.25	U	NS		0.25	U	NS		NS		NS
29-Apr-13		NS		0.63		NS		NS		0.25	U	NS		0.25	U	NS		0.25	U	NS		NS		0.25
9-Jul-13		0.38	U	NS		0.28		NS		0.29	U	NS		NS		NS		0.36		NS		NS		NS
18-Oct-13		NS		NS		NS		NS		0.25	U	NS		0.25	U	NS		0.51		NS		NS		0.54
9-Jan-14		0.25	U	NS		0.33		0.040		NS		NS		NS		NS		1.2		NS		NS		NS
24-Apr-14		NS		0.25	U	NS		NS		0.25	U	NS		0.25	U	NS		0.072		NS		0.25	U	0.54
1-Aug-14		0.70		NS		0.88		1.4		NS		NS		NS		0.45		NS		NS		NS		NS
27-Aug-14		NS		NS		NS		NS		NS		0.38		NS		NS		NS		NS		NS		NS
12-Sept-14 (resample)		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
22-Oct-14		NS		0.38 <sup>+</sup>		NS		NS		0.38 <sup>+</sup>	U	NS		0.38 <sup>+</sup>	U	NS		0.38 <sup>+</sup>	U	NS		0.50 <sup>+</sup>	U	NS
20-Jan-15		0.25	U	NS		0.25	U	NS		0.25	U	NS		0.38		NS		NS		NS		0.51	U	NS
30-Mar-15 (resample)		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
22-Apr-15		NS		0.26	U	NS		NS		0.25	U	NS		0.25	U	NS		0.25	U	NS		0.29	U	NS
21-Jul-15		0.3	U	NS		1	U	6	U	NS		0.16 <sup>+</sup>		NS		NS		0.15 <sup>+</sup>		NS		0.30 <sup>+</sup>	U	NS
23-Sept-15 resample		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
29-Oct-15		NS		0.3	U	NS		NS		0.19 <sup>+</sup>		NS		NS		0.3	U	NS		NS		0.19 <sup>+</sup>	U	NS
4-Dec-15 resample		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
27-Jan-16		0.25	U	NS		0.25	U	0.25	U	NS		NS		NS		NS		NS		NS		NS		NS
20-Apr-16		NS		0.25	U	NS		NS		0.25	U	NS		NS		NS		NS		NS		NS		NS
20-Jul-16		1.3	U	NS		1.3 <sup>++</sup>	U	1.3	U	NS		1.3	U	NS		1.3	U	NS		NS		1.3	U	NS
21-Oct-16		NS		0.25	U	NS		NS		0.25	U	NS		NS		NS		NS		NS		NS		NS
31-Jan-17		0.25	U	NS		0.25	U	NS		NS		NS		NS		NS		0.43		NS		0.42	U	NS
17-Apr-17		NS		0.38	U	NS		NS		0.38	U	NS		NS		NS		NS		NS		NS		NS
26-Jul-17		0.25	U	NS		0.25	U	NS		NS		NS		NS		NS		NS		NS		NS		NS
12-Oct-17		NS		0.25	U	NS		NS		NS		0.76		NS		0.63	U	NS		NS		0.63	U	NS
10-Jan-18		0.25	U	NS		0.25	U	NS		NS		NS		NS		NS		NS		NS		NS		NS
11-Apr-18		NS		NS		NS		NS		2.5	U	NS		NS		2.5	U	NS		NS		NS		NS
23-May-18		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
27-Jul-18		1.3	U	NS		1.3	U	1.3	U	NS		1.3	U	NS		NS		1.3	U	NS		1.3	U	NS
24-Oct-18		NS		1.3	U	NS		NS		1.3	U	NS		NS		NS		NS		NS		NS		NS
16-Jan-19		0.25	U	NS		0.25	U	NS		NS		NS		NS		NS		NS		NS		NS		NS
12-Apr-19		NS		0.25	U	NS		NS		0.25	U	NS		NS		NS		NS		NS		NS		NS
29-Jul-19		0.38	U	NS		0.38	U	0.26		NS		0.31		NS		NS		NS		NS		NS		NS
26-Sep-19		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
29-Oct-19		NS		NS		NS		NS		0.25	U	NS		NS		NS		NS		NS		NS		NS
21-Jan-20		0.25	U	NS		0.25	U	NS		NS		NS		NS		NS		NS		NS		NS		NS
22-Apr-20		NS		NS		NS		NS		0.25	U	NS		NS		NS		NS		NS		NS		NS
23-Jul-20		0.25	U	NS		0.25 <sup>+</sup>	U	NS		NS		NS		NS		NS		NS		NS		NS		NS
29-Oct-20		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
19-Jan-21		0.25	U	NS		0.25	U	NS		NS		NS		NS		NS		NS		NS		0.38 <sup>+</sup>	U	NS
15-Apr-21		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
21-Jul-21		0.5	U	NS		0.5	U	NS		NS		NS		NS		NS		NS		NS		NS		NS
20-Oct-21		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
9-Feb-22		0.25	U	NS		0.25	U	NS		NS		NS		NS		NS		NS		NS		NS		NS
7-Apr-22		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
28-Jul-22		0.25	U	NS		0.5	U	NS		NS		NS		NS		NS		NS		NS		NS		NS
18-Oct-22		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
24-Jan-23		NS	U	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
19-Apr-23		NS		0.25	U	NS</																		



Summary of Subslab Air Sampling Data  
 Alvarez School  
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Volatile Organic Compounds via TO-15		MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual
Sample Date																							
8-Feb-08		2.34		NS		NS		NS		1.74		NS		NS		NS		1.74		1.74		NS	
27-Mar-08		1.74		NS		NS		NS		NS		2.87		NS		NS		NS		2.1		1.74	
25-Apr-08		NS		NS	U	1.74		NS		NS		NS		1.74		NS		1.74		NS		1.74	U
29-May-08		NS		NS		NS		NS		NS		NS		NS		1.74		NS		2.91		1.74	U
27-Jun-08		4.33	U	NS		NS		NS		3.69		NS		NS		NS		NS		2.78		NS	U
31-Jul-08		1.74		NS		NS		NS		NS		NS		NS		1.74		NS		1.74		NS	U
28-Aug-08		NS		NS		NS		NS		NS		NS		NS		NS		NS		1.74		NS	U
30-Sep-08		NS		NS		NS		1.7		NS		NS		NS		NS		NS		NS		1.7	U
27-Oct-08		1.7	U	NS		NS		NS		NS		NS		NS		NS		NS		NS		1.7	U
25-Nov-08		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
19-Dec-08		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
21-Jan-09		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
25-Feb-09		1.7	U	NS		NS		NS		1.7		NS		NS		NS		NS		NS		NS	U
26-Mar-09		NS		16.1		NS		NS		NS		17.4		NS		NS		NS		NS		1.74	U
29-Apr-09		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
22-Jul-09		86.8	U	NS		8.68		NS		17.4		NS		8.68		NS		NS		1.74		NS	U
9-Oct-09		NS		1.74		NS		NS		1.74		NS		NS		NS		NS		1.74		NS	U
15-Jan-10		1.74	U	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
21-Apr-10		NS		1.74		NS		NS		0.868		NS		NS		8.68		NS		NS		NS	U
16-Jul-10		24		NS		21.5		NS		NS		26.2		NS		NS		NS		27.1		NS	U
15-Oct-10		NS		3.47		NS		NS		NS		3.47		NS		NS		NS		NS		NS	U
26-Jan-11		34.7	U	NS		NS		NS		3.47		NS		0.404		NS		NS		NS		NS	U
28-Feb-11		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
27-Apr-11		NS		3.47		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
26-Jul-11		11.6	U	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
28-Oct-11		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
23-Jan-12		3.5	U	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
13-Apr-12		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
24-Jul-12 (resample)		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
23-Jan-12		3.5	U	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
1-Nov-12		NS		0.74		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
1-Feb-13		2		NS		0.93		NS		1.6		NS		NS		NS		NS		NS		NS	U
29-Apr-13		NS		1.7		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
9-Jul-13		1.8		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
18-Oct-13		NS		0.69		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
9-Jan-14		0.85		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
24-Apr-14		NS		0.90		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
1-Aug-14		NS		1.6		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
27-Aug-14		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
12-Sept-14 (resample)		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
22-Oct-14		NS		1.7		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
20-Jan-15		33		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
30-Mar-15 (resample)		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
22-Apr-15		NS		0.85 <sup>v</sup>		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
21-Jul-15		2.1		NS		NS		NS		3.1 <sup>1</sup>		NS		NS		NS		NS		NS		NS	U
23-Sept-15 resample		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
29-Oct-15		NS		1.6		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
4-Dec-15 resample		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
27-Jan-16		2.3		NS		0.69		NS		NS		NS		NS		NS		NS		NS		NS	U
20-Apr-16		NS		0.69		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
20-Jul-16		NS	U	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
21-Oct-16		NS		0.69		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
31-Jan-17		0.69		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
17-Apr-17		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
26-Jul-17		0.69	U	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
12-Oct-17		NS		0.79		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
10-Jan-18		0.78		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
11-Apr-18		NS		0.69		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
23-May-18		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
27-Jul-18		NS	U	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
24-Oct-18		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
16-Jan-19		0.69	U	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
12-Apr-19		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
29-Jul-19		1	U	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
26-Sep-19		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
29-Oct-19		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
21-Jan-20		0.69	U	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
22-Apr-20		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
23-Jul-20		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
29-Oct-20		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
19-Jan-21		0.87		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
15-Apr-21		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
21-Jul-21		0.88		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
20-Oct-21		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
9-Feb-22		0.69	U	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
7-Apr-22		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
28-Jul-22		0.69	U	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
18-Oct-22		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
24-Jan-23		0.69	U	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
19-Apr-23		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
5-Jul-23		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
18-Jul-23		0.69	U	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
25-Oct-23		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
9-Jan-24		0.69	U	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U



Summary of Subslab Air Sampling Data  
 Alvarez School  
 Volatile Organic Compounds  
 February 2008 - January 2024

Volatile Organic Compounds via TO-15	Sample Date	MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3	
		Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
	8-Feb-08	0.09	U	NS	NS	NS	NS	NS	NS	0.09	U	NS	NS	NS	NS	NS	NS	0.3	NS	2.15	NS	NS	NS
	27-Mar-08	NS		0.1	NS	NS	NS	NS	NS	0.177	NS	NS	NS	NS	NS	NS	NS	NS	0.206	NS	0.404	NS	NS
	25-Apr-08	NS		NS	NS	0.244	NS	NS	NS	NS	NS	1.07	NS	NS	NS	NS	NS	0.559	NS	NS	0.351	NS	NS
	29-May-08	NS		NS	NS	NS	NS	NS	NS	0.17	NS	NS	NS	NS	NS	NS	NS	0.3	NS	0.27	NS	NS	NS
	27-Jun-08	0.732		NS	NS	NS	NS	NS	NS	0.354	NS	NS	NS	NS	NS	NS	NS	NS	0.598	NS	0.59	NS	NS
	31-Jul-08	NS		0.276	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.255	NS	0.17	NS	NS	NS
	28-Aug-08	NS		NS	NS	1.22	NS	NS	NS	NS	NS	0.754	NS	NS	NS	NS	NS	1.02	NS	1.01	NS	NS	NS
	30-Sep-08	NS		NS	NS	NS	NS	2.1	U	NS	NS	NS	NS	NS	NS	2.1	U	NS	2.1	U	2.1	U	U
	27-Oct-08	2.1	U	NS	NS	NS	NS	NS	NS	2.1	U	NS	NS	NS	NS	2.1	U	NS	2.1	U	2.1	U	U
	25-Nov-08	NS		2.1	NS	NS	NS	NS	NS	NS	2.1	U	NS	NS	NS	NS	NS	2.1	U	2.1	U	2.1	U
	19-Dec-08	NS		NS	NS	2.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.1	U	2.1	U	2.1	U
	21-Jan-09	NS		NS	NS	NS	NS	2.1	U	NS	NS	NS	NS	NS	NS	NS	NS	2.1	U	2.1	U	2.1	U
	25-Feb-09	2.1	U	NS	NS	NS	NS	NS	NS	2.1	U	NS	NS	NS	NS	NS	NS	2.1	U	2.1	U	2.1	U
	26-Mar-09	NS		0.851	U	NS	NS	NS	NS	NS	NS	1.7	U	NS	NS	NS	NS	NS	0.292	NS	0.361	NS	NS
	29-Apr-09	NS		0.174	NS	NS	NS	NS	NS	NS	NS	0.085	NS	NS	NS	NS	NS	0.098	NS	0.243	NS	NS	NS
	22-Jul-09	0.426	U	NS	NS	0.426	U	0.851	U	NS	NS	0.426	U	NS	NS	NS	NS	0.6	NS	0.149	NS	NS	NS
	9-Oct-09	NS		0.085	U	NS	NS	0.098	NS	0.098	NS	NS	NS	U	17.8	U	NS	0.153	NS	0.204	NS	NS	NS
	15-Jan-10	0.106		NS	NS	0.119	NS	0.089	NS	0.089	NS	0.098	NS	NS	NS	NS	NS	0.128	NS	0.221	NS	NS	NS
	21-Apr-10	NS		0.085	U	NS	NS	NS	NS	0.426	U	NS	NS	0.426	U	0.426	U	0.481	NS	NS	0.579	NS	NS
	16-Jul-10	0.57		NS	NS	0.911	NS	0.66	NS	NS	NS	0.643	NS	NS	NS	0.34	NS	0.864	NS	NS	NS	NS	NS
	15-Oct-10	NS		0.698	NS	NS	NS	NS	NS	1.12	NS	NS	NS	0.779	NS	0.919	NS	0.877	NS	NS	1.52	NS	NS
	26-Jan-11	0.851	U	0.162	NS	NS	NS	0.179	NS	NS	NS	0.426	U	NS	NS	NS	NS	0.426	U	0.617	NS	NS	NS
	28-Feb-11	NS		NS	NS	0.851	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	27-Apr-11	NS		0.311	NS	NS	NS	0.302	NS	0.302	NS	0.366	NS	NS	NS	NS	NS	0.453	NS	0.749	NS	NS	NS
	26-Jul-11	NS		0.724	NS	NS	NS	0.868	NS	NS	NS	0.788	U	NS	NS	NS	NS	1.23	NS	0.681	NS	NS	NS
	28-Oct-11	NS		2.1	U	NS	NS	NS	NS	2.1	U	NS	NS	NS	NS	NS	NS	2.1	U	NS	2.1	U	U
	23-Jan-12	0.84		NS	NS	0.43	U	NS	NS	0.43	U	NS	NS	NS	NS	NS	NS	0.46	NS	16	NS	NS	NS
	13-Apr-12	NS		NS	NS	0.43	NS	NS	NS	0.43	U	NS	NS	NS	NS	NS	NS	0.43	U	NS	0.43	U	U
	24-Jul-12 (resample)	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.1	NS	NS	NS
	23-Jan-12	1.7		NS	NS	1.4	NS	1.9	NS	1.9	NS	NS	NS	NS	NS	NS	NS	2.4	NS	2.6	NS	NS	NS
	1-Nov-12	NS		0.14	NS	NS	NS	NS	NS	0.15	NS	NS	NS	NS	NS	NS	NS	0.3	NS	NS	0.34	NS	NS
	1-Feb-13	0.085	U	NS	NS	0.085	NS	0.085	U	NS	NS	0.085	NS	NS	NS	NS	NS	0.22	NS	0.26	NS	NS	NS
	29-Apr-13	NS		0.22	NS	NS	NS	NS	NS	0.27	NS	NS	NS	NS	NS	NS	NS	0.3	NS	0.53	NS	NS	NS
	9-Jul-13	0.43		NS	NS	0.60	NS	0.39	NS	0.43	NS	NS	NS	NS	NS	NS	NS	0.12	NS	0.48	NS	NS	NS
	18-Oct-13	NS		0.25	NS	NS	NS	NS	NS	0.26	NS	NS	NS	NS	NS	NS	NS	0.35	NS	NS	0.57	NS	NS
	9-Jan-14	0.10		NS	NS	0.12	NS	NS	NS	0.14	NS	NS	NS	NS	NS	NS	NS	0.44	NS	NS	NS	NS	NS
	24-Apr-14	NS		0.085	NS	NS	NS	NS	NS	0.085	U	NS	NS	0.085	NS	0.085	U	0.085	U	0.21	NS	0.28	NS
	1-Aug-14	NS		0.64	NS	2.83.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.45	NS	0.8	NS	NS	NS
	27-Aug-14	NS		NS	NS	NS	NS	NS	NS	NS	NS	2.72.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12-Sept-14 (resample)	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	22-Oct-14	NS		0.13	NS	NS	NS	NS	NS	0.13	U	0.13	NS	0.18	NS	0.13	U	0.18	NS	NS	NS	NS	NS
	20-Jan-15	0.085	U	NS	NS	0.085	U	0.085	NS	0.085	U	NS	NS	NS	NS	NS	NS	0.67	NS	0.085	NS	NS	NS
	30-Mar-15 (resample)	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.4	NS	NS	NS	NS	NS
	22-Apr-15	NS		0.098	NS	NS	NS	NS	NS	0.085	U	NS	NS	0.099	NS	0.12	U	NS	NS	NS	0.80	NS	NS
	21-Jul-15	0.160 <sup>1</sup>		NS	NS	0.460 <sup>1</sup>	U	4	U	NS	NS	0.23 <sup>1</sup>	NS	NS	NS	1.3 <sup>10</sup>	NS	2.9 <sup>10</sup>	NS	NS	NS	NS	NS
	23-Sept-15 resample	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.13 <sup>1</sup>	U	NS	NS	NS	NS	NS	NS
	29-Oct-15	NS		0.2	U	NS	NS	0.21 <sup>1</sup>	NS	0.4	NS	NS	NS	NS	NS	0.2	U	0.71	NS	NS	NS	NS	NS
	4-Dec-15 resample	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	27-Jan-16	0.085	U	NS	NS	0.085	U	NS	NS	0.085	U	NS	NS	NS	NS	NS	NS	1.3	NS	3.7	NS	NS	NS
	20-Apr-16	NS		0.085	U	NS	NS	NS	NS	0.09	NS	NS	NS	0.13	NS	NS	NS	0.085	U	NS	NS	0.52	NS
	20-Jul-16	0.79 <sup>1</sup>	L	NS	NS	0.88 <sup>1</sup>	NS	0.97 <sup>1</sup>	NS	NS	NS	1 <sup>1</sup>	NS	NS	NS	NS	NS	3.9 <sup>1</sup>	NS	5.9 <sup>1</sup>	NS	NS	NS
	21-Oct-16	NS		0.12	NS	NS	NS	0.18	NS	NS	NS	NS	NS	0.17	NS	NS	NS	0.22	NS	NS	0.63	NS	NS
	31-Jan-17	0.085		NS	NS	0.085	U	NS	NS	0.085	U	NS	NS	NS	NS	NS	NS	NS	NS	2.8	NS	NS	NS
	17-Apr-17	NS		0.13	U	NS	NS	NS	NS	0.13	NS	NS	NS	NS	NS	NS	NS	0.41	NS	0.68	NS	NS	NS
	26-Jul-17	0.18		NS	NS	0.22	NS	0.21	NS	NS	NS	0.32	NS	NS	NS	NS	NS	NS	0.53	NS	2.3	NS	NS
	12-Oct-17	NS		0.14	NS	NS	NS	0.17	NS	NS	NS	0.26	NS	NS	NS	NS	NS	0.4	NS	NS	0.79	NS	NS
	10-Jan-18	0.085	U	NS	NS	0.085	U	0.085	U	NS	NS	0.085	U	NS	NS	NS	NS	NS	NS	0.18	NS	NS	NS
	11-Apr-18	NS		0.085	U	NS	NS	NS	NS	0.85	U	NS	NS	NS	NS	NS	NS	NS	NS	0.85	U	NS	NS
	23-May-18	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	27-Jul-18	0.43	U	NS	NS	0.43	U	0.43	U	NS	NS	0.43	U	NS	NS	NS	NS	NS	NS	0.43	U	NS	NS
	24-Oct-18	NS		0.43	NS	NS	NS	NS	NS	0.43	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	16-Jan-19	0.085	U	NS	NS	0.085	U	0.085	U	NS	NS	0.085	U	NS	NS	NS	NS	NS	NS	0.25	NS	NS	NS
	12-Apr-19	NS		0.11	NS	NS	NS	NS	NS	0.085	U	NS	NS	NS	NS	NS	NS	0.11	U	0.16	NS	NS	NS
	29-Jul-19	0.61		NS	NS	0.78	NS	1.1	NS	NS	NS	1.3	NS	NS	NS	NS	NS	NS	NS	2.8	NS	NS	NS
	26-Sep-19	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.43	NS	NS	NS
	29-Oct-19	NS		0.085	U	NS	NS	NS	NS	0.19	NS	NS	NS	0.085	NS	0.43 <sup>10</sup>	U	0.085	U	NS	3.6 <sup>10</sup>	U	U
	21-Jan-20	0.09	U	NS	NS	0.16	NS	0.22	NS	NS	NS	0.12	NS	NS	NS	NS	NS	NS	NS	0.42	NS	NS	NS
	22-Apr-20	NS		0.085	U	NS	NS	NS	NS	0.085	U	NS	NS	NS	NS	NS	NS	NS	NS	0.12	NS	NS	NS
	23-Jul-20	0.25		NS	NS	0.085	U	0.085	U	NS	NS	0.34	NS	NS	NS	NS	NS	NS	NS	1.9	NS	NS	NS
	29-Oct-20	NS		0.12	NS	NS	NS	NS	NS	0.13	NS	NS	NS	0.11	NS	NS	NS	NS	NS	0.13	NS	NS	NS
	19-Jan-21	0.085	U	NS	NS	0.085	U	NS	NS	NS	NS	0.085	U	NS	NS	NS	NS	NS	NS	0.17	NS	NS	NS
	15-Apr-21	NS		0.1	NS	NS	NS	NS	NS	0.085	U	NS	NS	NS	NS	NS	NS	NS	NS	0.12	NS	NS	NS
	21-Jul-21	0.36		NS																			



Summary of Subslab Air Sampling Data  
 Alvarez School  
 Volatile Organic Compounds  
 February 2008 - January 2024

Volatile Organic Compounds via TO-15	Sample Date	MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3	
		Qual	Val	Qual	Val	Qual	Val	Qual	Val	Qual	Val	Qual	Val	Qual	Val	Qual	Val	Qual	Val	Qual	Val	Qual	Val
	8-Feb-08		0.14		NS		NS		NS		0.14		NS		NS		NS		0.14		0.14		NS
	27-Mar-08		NS		0.137		NS		NS		NS		0.137		NS		NS		NS		0.137		NS
	25-Apr-08		NS		NS		0.137		U		NS		NS		0.137		U		0.137		U		NS
	29-May-08		NS		NS		NS		NS		0.14		U		NS		NS		0.14		U		NS
	27-Jun-08		0.214		U		NS		NS		0.137		U		NS		NS		NS		0.137		U
	31-Jul-08		NS		0.137		NS		NS		NS		NS		0.137		NS		NS		0.137		U
	28-Aug-08		NS		NS		0.137		U		NS		NS		0.137		U		0.137		U		NS
	30-Sep-08		NS		NS		NS		0.14		U		NS		NS		NS		0.14		U		0.14
	27-Oct-08		0.14		U		NS		NS		0.14		U		NS		NS		0.14		U		0.14
	25-Nov-08		NS		0.14		NS		NS		NS		0.14		NS		NS		0.14		U		NS
	19-Dec-08		NS		NS		0.14		U		NS		NS		0.14		U		NS		0.14		U
	21-Jan-09		NS		NS		NS		NS		0.14		U		NS		NS		0.14		U		0.14
	25-Feb-09		0.14		U		NS		NS		0.14		U		NS		NS		0.14		U		NS
	26-Mar-09		NS		0.686		NS		NS		NS		1.37		U		NS		NS		0.137		U
	29-Apr-09		NS		NS		0.137		U		NS		NS		0.137		U		NS		0.137		U
	22-Jul-09		0.686		U		NS		28		0.137		U		NS		0.686		U		0.137		U
	9-Oct-09		NS		0.137		U		NS		NS		0.137		U		NS		28.6		U		0.137
	15-Jan-10		0.109		U		0.137		U		0.137		U		0.109		0.137		U		0.137		U
	21-Apr-10		NS		0.137		U		NS		0.686		U		NS		0.686		U		0.137		U
	16-Jul-10		0.137		U		0.137		U		1.04		U		NS		NS		0.137		U		NS
	15-Oct-10		NS		0.137		U		NS		0.137		U		NS		0.137		U		0.137		U
	26-Jan-11		1.37		U		0.137		U		0.137		U		NS		0.686		U		0.686		U
	28-Feb-11		NS		NS		1.37		U		NS		NS		NS		NS		NS		NS		U
	27-Apr-11		NS		0.137		U		NS		0.137		U		0.137		0.137		U		0.137		U
	26-Jul-11		0.458		U		NS		0.458		0.137		U		NS		0.687		U		0.687		U
	28-Oct-11		NS		3.4		U		NS		NS		3.4		U		NS		3.4		U		NS
	23-Jan-12		0.69		U		NS		0.69		U		NS		0.69		U		NS		0.69		U
	13-Apr-12		NS		0.34		U		NS		NS		0.34		U		NS		0.34		U		NS
	24-Jul-12 (resample)		NS		NS		NS		NS		NS		NS		NS		NS		NS		1.7		U
	23-Jan-12		0.69		U		NS		0.69		U		NS		0.69		U		NS		0.69		U
	1-Nov-12		NS		0.069		U		NS		NS		0.069		U		NS		0.069		U		NS
	1-Feb-13		0.069		U		NS		0.069		U		NS		0.069		U		NS		0.12		0.069
	29-Apr-13		NS		0.17		U		NS		0.069		U		0.069		0.069		U		0.069		NS
	9-Jul-13		0.10		U		NS		0.069		U		0.069		U		NS		0.010		U		NS
	18-Oct-13		NS		0.14		U		NS		0.14		U		NS		0.14		U		NS		0.14
	9-Jan-14		0.14		U		NS		0.14		U		NS		0.14		U		NS		0.14		U
	24-Apr-14		NS		0.069		NS		NS		0.069 <sup>1</sup>		U		NS		0.069 <sup>1</sup>		U		0.069 <sup>1</sup>		U
	1-Aug-14		0.14		U		0.21		U		NS		NS		0.140		NS		0.140		U		0.21
	27-Aug-14		NS		NS		NS		NS		NS		0.069 <sup>1</sup>		U		NS		NS		NS		NS
	12-Sept-14 (resample)		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
	22-Oct-14		NS		0.10		NS		NS		0.10		U		0.10		U		0.10		U		0.10
	20-Jan-15		0.069		U		NS		0.069		U		NS		NS		NS		0.10		U		0.069
	30-Mar-15 (resample)		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
	22-Apr-15		NS		0.070		U		NS		NS		0.069		U		0.10		U		0.069		U
	21-Jul-15		0.3		U		1		U		7		U		NS		NS		0.300 <sup>10</sup>		U		0.400 <sup>10</sup>
	23-Sept-15 resample		NS		NS		NS		NS		NS		NS		NS		NS		0.3		U		NS
	29-Oct-15		NS		0.4		U		NS		0.4		U		NS		0.3		U		0.3		U
	4-Dec-15 resample		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
	27-Jan-16		0.069		U		0.069		U		0.069		U		NS		0.069		U		0.069		U
	20-Apr-16		NS		0.069		NS		NS		0.069		U		NS		0.069		U		0.069		U
	20-Jul-16		0.34		U		NS		0.34		U		NS		0.34		U		NS		0.34		U
	21-Oct-16		NS		0.069		NS		NS		0.069		U		NS		0.069		U		0.069		U
	31-Jan-17		0.069		U		NS		0.069		U		NS		0.069		U		NS		0.069		U
	17-Apr-17		NS		0.10		U		NS		0.10		U		NS		0.1		U		0.10		U
	26-Jul-17		0.069		U		NS		0.069		U		NS		0.069		U		NS		0.069		U
	12-Oct-17		NS		0.069		NS		0.069		U		NS		0.21		U		NS		0.2		NS
	10-Jan-18		0.069		U		NS		0.069		U		NS		0.069		U		NS		0.069		U
	11-Apr-18		NS		0.14		U		NS		1.4		U		NS		1.4		U		NS		1.4
	23-May-18		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
	27-Jul-18		0.34		U		NS		0.34		U		NS		0.34		U		NS		0.34		U
	24-Oct-18		NS		0.34		U		NS		0.34		U		NS		0.34		U		NS		U
	16-Jan-19		0.069		U		NS		0.069		U		NS		0.069		U		NS		0.069		U
	12-Apr-19		NS		0.069		U		NS		0.069		U		NS		0.086		U		0.1		U
	29-Jul-19		0.1		U		NS		0.1		U		0.069		U		NS		NS		0.069		U
	26-Sep-19		NS		NS		NS		NS		NS		NS		NS		NS		NS		0.1		U
	29-Oct-19		NS		0.069		U		NS		0.069		U		NS		0.34 <sup>12</sup>		U		0.34 <sup>12</sup>		U
	21-Jan-20		0.07		U		NS		0.07		U		NS		NS		NS		0.07		U		NS
	22-Apr-20		NS		0.069		U		NS		0.069		U		NS		0.069		U		NS		0.069
	23-Jul-20		0.069		U		NS		0.069		U		NS		0.14		U		NS		0.14		U
	29-Oct-20		NS		0.069		U		NS		0.069		U		NS		0.069		U		NS		0.069
	19-Jan-21		NS		0.069		U		NS		0.069		U		NS		NS		NS		0.1 <sup>7</sup>		U
	15-Apr-21		NS		0.069		U		NS		0.069		U		NS		0.069		U		NS		0.069
	21-Jul-21		0.069		U		NS		0.069		U		NS		0.069		U		NS		0.069		U
	20-Oct-21		NS		0.069		U		NS		0.069		U		NS		0.069		U		NS		0.069
	9-Feb-22		0.069		U		NS		0.069		U		NS		0.069		U		NS		0.069		U
	7-Apr-22		NS		0.069		U		NS		0.069		U		NS		0.069		U		NS		0.069
	28-Jul-22		0.069		U		NS		0.069		U		NS		0.069		U		NS		0.069		U
	18-Oct-22		NS		0.069		U		NS		0.069		U		NS		0.069		U		NS		0.069
	24-Jan-23		NS		0.069		U		NS		0.069		U		NS		NS		NS		NS		NS
	19-Apr-23		NS		0.069		U		NS		0.069		U		NS		0.069		U		NS		0.069
	5-Jul-23		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
	18-Jul-23		0.069		U		NS		0.069		U		NS		NS		NS		NS		0.069		U
	25-Oct-23		NS		0.069		U		NS		0.069		U		NS		0.1		U		NS		0.069
	9-Jan-24		0.069		U		NS		0.069	</													



Summary of Subslab Air Sampling Data  
 Alvarez School  
 Volatile Organic Compounds  
 February 2008 - January 2024

Volatile Organic Compounds via TO-15	Sample Date	MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3	
		Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
	8-Feb-08	0.35		NS		NS		NS		0.14	U	NS		NS		NS		0.53		5.05		NS	
	27-Mar-08	NS		NS		NS		NS		NS		0.875		NS		NS		NS		6.99		5.25	
	25-Apr-08	NS		NS		0.322		NS		NS		NS		NS		NS		0.83		NS		0.867	
	29-May-08	NS		NS		NS		1.36		NS		NS		NS		0.24		NS		3.21		NS	
	27-Jun-08	1.32		NS		NS		NS		29.6		NS		NS		NS		NS		5.08		1.8	
	31-Jul-08	NS		0.667		NS		NS		NS		NS		NS		0.618		NS		NS		0.572	
	28-Aug-08	NS		NS		1.55		NS		NS		NS		1.52		NS		NS		1.37		6.26	
	30-Sep-08	NS		NS		NS		3.4		NS		NS		NS		NS		NS		6.1		3.4	U
	27-Oct-08	4.2	U	NS		NS		NS		10		NS		NS		NS		NS		4.2	U	NS	U
	25-Nov-08	NS		21.3		NS		NS		NS		4.6		NS		NS		NS		8.9	U	NS	U
	19-Dec-08	NS		NS		3.4		NS		NS		NS		NS		NS		NS		3.4	U	NS	U
	21-Jan-09	NS		NS		NS		3.4	U	NS		NS		NS		NS		NS		3.4	U	NS	U
	25-Feb-09	3.4	U	NS		NS		NS		8.3		NS		NS		NS		NS		3.4	U	NS	U
	26-Mar-09	NS		1.28		NS		NS		NS		1.36		NS		NS		NS		7.11		2.08	
	29-Apr-09	NS		0.271		NS		NS		NS		0.305		NS		NS		0.237		NS		0.691	
	22-Jul-09	1.63		NS		1.63		2.1		NS		3.08		NS		NS		NS		11.8		3.25	
	9-Oct-09	NS		0.556		NS		NS		2.07		NS		0.678		NS		28.3	U	NS		1.46	
	15-Jan-10	1.31		NS		0.644		1.35		NS		0.691		NS		NS		0.447		0.501		NS	
	21-Apr-10	NS		7.2		NS		NS		31.4		NS		35.5		NS		36.8		62.1		NS	NS
	16-Jul-10	12.4		NS		12.7		10.9		NS		10		NS		NS		15.4		19.2		NS	
	15-Oct-10	NS		21.9		NS		NS		37.6		NS		NS		21.3		21.8		22.1		NS	31.6
	26-Jan-11	1.36	U	0.691		NS		1.27		NS		0.678		NS	U	0.813		NS		2.13		NS	NS
	28-Feb-11	NS		NS		1.36		NS	U	NS		NS		NS		NS		NS		NS		NS	NS
	27-Apr-11	NS		1.44		NS		NS		7.22		NS		1.56		NS		1.46		NS		NS	1.98
	26-Jul-11	3.34		NS		0.834		2.59		NS		NS		9.29		NS		0.976		NS		6.78	NS
	28-Oct-11	NS		3.4	U	NS		NS		8.5		NS		NS		3.4		NS		NS		NS	3.4
	23-Jan-12	1		NS		0.68		NS	U	1.7		NS		NS		NS		NS		0.76		NS	NS
	13-Apr-12	NS		19		NS		NS		NS		NS		NS		12		NS		NS		NS	15
	24-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	NS
	23-Jan-12	1.5		NS		0.68		NS	U	3.5		NS		0.8		NS		NS		NS	U	NS	NS
	1-Nov-12	NS		7.4		NS		NS		NS		NS		0.78		NS		0.57		1.3		NS	1.6
	1-Feb-13	1.8		NS		0.76		NS		0.99		NS		NS		NS		NS		1.8		NS	NS
	29-Apr-13	NS		8.1		NS		NS		4.7		NS		1.1		NS		NS		1.3		NS	1.8
	9-Jul-13	2.0		NS		2.1		3.1		NS		NS		2.9		NS		2.6		NS		NS	NS
	18-Oct-13	NS		14		NS		NS		7.3		NS		NS		NS		0.32		NS		NS	1.4
	9-Jan-14	0.6		NS		0.22		NS		1.1		NS		NS		NS		NS		0.46		NS	NS
	24-Apr-14	NS		4.7		NS		NS		5.7		NS		NS		0.41		0.068		NS	U	NS	0.30
	1-Aug-01	2.3		3.349		NS		2		NS		NS		NS		NS		0.97		NS		405.9	
	27-Aug-14	NS		NS		NS		NS		NS		NS		2.4/3.5		NS		NS		NS		NS	NS
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	NS
	22-Oct-14	NS		6.9		NS		NS		5.0		0.61		NS		0.43		0.10		NS	U	NS	NS
	20-Jan-15	0.9		NS		0.20		0.37		NS		1.0		NS		NS		NS		0.52		NS	0.21
	30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	NS
	22-Apr-15	NS		5.3		NS		NS		NS		NS		0.85		NS		NS		NS		NS	1.5
	21-Jul-15	0.34		NS		1	U	7	U	NS		3.2		NS		NS		NS		0.44 <sup>U</sup>		NS	4.0 <sup>U</sup>
	23-Sept-15 resample	NS		NS		NS		NS		NS		NS		NS		NS		1.5		NS		NS	NS
	29-Oct-15	NS		18		NS		NS		3.6		NS		NS		6.6		0.18 <sup>U</sup>		NS		NS	0.65
	4-Dec-15 resample	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	NS
	27-Jan-16	3.1		NS		0.19		0.71		NS		0.63		NS		NS		0.19		NS		NS	NS
	20-Apr-16	NS		9.7		NS		NS		3.4		NS		NS		0.22		0.11		NS		NS	0.47
	20-Jul-16	0.5		NS		0.99		1.6		NS		4.8		NS		NS		NS		0.71		NS	NS
	21-Oct-16	NS		40		NS		NS		4.6		NS		0.75		NS		0.83		NS		NS	0.93
	31-Jan-17	0.33		NS		0.23		0.79		NS		0.75		NS		NS		NS		0.15		NS	NS
	17-Apr-17	NS		8.1		NS		NS		3.2		NS		0.99		NS		0.16		NS		NS	1.1
	26-Jul-17	0.26		NS		0.34		1.3		NS		1.1		NS		NS		NS		0.22		NS	NS
	12-Oct-17	NS		7.5		NS		NS		4.2		NS		0.44		NS		0.43		NS		NS	1.7
	10-Jan-18	0.21		NS		0.15		0.64		NS		NS		NS		NS		NS		0.33		NS	4.9
	11-Apr-18	NS		10		NS		NS		1.8		NS		NS		1.4		NS		0.24		NS	2
	23-May-18	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	NS
	27-Jul-18	0.68	U	NS		0.68		NS	U	2.5		NS		NS		NS		NS		NS	U	NS	18
	24-Oct-18	NS		6.1		NS		NS		6.8		NS		0.68		NS		0.68		NS		NS	0.68
	16-Jan-19	0.44		NS		0.27		0.97		NS		NS		NS		NS		NS		0.24		NS	5.9
	12-Apr-19	NS		11		NS		NS		2.3		NS		0.29		NS		0.2		NS	U	NS	2.2
	29-Jul-19	0.86		NS		0.92		1.4		NS		6.7		NS		NS		NS		0.4		NS	5.9
	26-Sep-19	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	4.7
	29-Oct-19	NS		NS		NS		NS		7.2		NS		0.14		NS		0.16		0.68 <sup>U</sup>		NS	0.68 <sup>U</sup>
	21-Jan-20	0.20		NS		0.14		0.41		NS		1.30		NS		NS		NS		1.20		NS	7.30
	22-Apr-20	NS		NS		NS		NS		0.91		NS		NS		NS		NS		NS	U	NS	0.88
	23-Jul-20	0.74		NS		0.75		0.84		NS		4.5		NS		NS		NS		0.84		NS	8.2
	29-Oct-20	NS		7.3		NS		NS		2.6		NS		0.44		NS		1.6		NS		NS	0.89
	19-Jan-21	1.4		NS		0.14		NS	U	0.27		NS		NS		NS		NS		NS		NS	2.5 <sup>U</sup>
	15-Apr-21	NS		NS		NS		NS		0.56		NS		NS		NS		0.2		NS		NS	0.26
	21-Jul-21	0.29		NS		0.39		0.25		NS		0.43		NS		NS		NS		0.33		NS	2.7
	20-Oct-21	NS		4.4		NS		NS		1.5		NS		0.16		NS		0.14		NS		NS	0.23
	9-Feb-22	0.33		NS		0.14		0.21		NS		0.61		NS		NS		NS		NS		NS	NS
	7-Apr-22	NS		1.7		NS		NS		0.16		NS		NS		1.3		NS		0.14		NS	0.19
	28-Jul-22	1.1		NS		0.23		0.28		NS		4.2		NS		NS		NS		0.32		NS	NS
	18-Oct-22	NS		0.14	U	NS		NS		0.19		NS		0.32		NS		0.24		NS		NS	0.28
	24-Jan-23	NS		NS		NS		NS		1		NS		0.73		NS		NS		NS		NS	NS
	19-Apr-23	NS		NS		NS		NS		NS		0.4		NS		NS		0.14		NS	U	NS	0.14
	5-Jul-23	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	NS
	18-Jul-23	0.58		NS		0.14		NS	U	0.33		NS		NS		NS		NS		NS		NS	NS
	25-Oct-23	0.53		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	0.48
	9-Jan-24	0.43		NS																			



Summary of Subslab Air Sampling Data  
 Alvarez School  
 Volatile Organic Compounds  
 February 2008 - January 2024

Volatile Organic Compounds via TO-15	Sample Date	MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3	
		Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
	8-Feb-08	0.11	U	NS	NS	NS	NS	NS	NS	0.11	U	NS	NS	NS	NS	NS	NS	0.11	U	0.56	NS	NS	NS
	27-Mar-08	NS		0.109	U	NS	NS	NS	NS	NS		0.109	NS	NS	NS	NS	NS	NS	NS	0.522	NS	0.266	NS
	25-Apr-08	NS		NS	U	0.109	U	NS	NS	NS		NS	NS	0.109	U	NS	NS	0.109	U	NS	NS	0.119	NS
	29-May-08	NS		NS		NS		0.12		NS		NS		NS		0.11		NS		0.54		NS	NS
	27-Jun-08	0.17	U	NS		NS		NS		0.458		NS		NS		NS		NS		0.377		0.138	NS
	31-Jul-08	0.109		NS		NS		NS		NS		NS		NS		NS		NS		0.109		0.109	NS
	28-Aug-08	NS		NS	U	0.109	U	NS		NS		NS		0.153		NS		0.109	U	0.492		NS	U
	30-Sep-08	NS		NS		NS		2.7	U	NS		NS		NS		2.7	U	NS		2.7	U	2.7	U
	27-Oct-08	3.4	U	NS		NS		NS		3.4	U	NS		NS		NS		3.4	U	NS		3.4	U
	25-Nov-08	NS		2.7		NS		NS		NS		2.7		NS		NS		2.7	U	2.7	U	2.7	U
	19-Dec-08	NS		NS		NS	U	2.7		NS		NS		NS		NS		NS		2.7	U	2.7	U
	21-Jan-09	NS		NS		NS		2.7	U	NS		NS		NS		NS		2.7	U	NS		2.7	U
	25-Feb-09	2.7	U	NS		NS		NS		2.7	U	NS		NS		NS		2.7	U	NS	U	2.7	U
	26-Mar-09	NS		1.59		NS		NS		NS		1.09		NS		NS		NS		0.682		0.213	NS
	29-Apr-09	NS		0.174		NS		NS		NS		NS		0.147		NS		0.158		NS		0.191	NS
	22-Jul-09	0.545	U	NS		22.2	U	1.09	U	NS		0.545	U	NS		NS		0.109	U	0.278		NS	NS
	9-Oct-09	NS		0.109	U	NS		NS		0.158		0.191		NS		22.8	U	0.109	U	NS		0.136	NS
	15-Jan-10	0.109	U	NS		0.109	U	1.09	U	NS		0.109	U	NS		0.109	U	0.109	U	0.692		NS	NS
	21-Apr-10	NS		0.109	U	NS		NS		0.545	U	NS		0.545	U	0.545	U	0.109	U	NS		1.09	U
	16-Jul-10	0.109	U	NS		0.109	U	0.109	U	NS		0.824		NS		0.109	U	0.109	U	0.562		NS	NS
	15-Oct-10	NS		0.272		NS		NS		0.349		NS		0.109		0.109	U	0.109	U	NS		0.109	U
	26-Jan-11	0.109		NS	U	NS		0.109		NS		0.545	U	NS		NS		0.545	U	NS		0.845	NS
	28-Feb-11	NS		NS		1.09	U	NS		NS		NS		NS		NS		NS		NS		NS	NS
	27-Apr-11	0.109		0.109	U	NS		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	NS		0.109	NS
	26-Jul-11	0.364	U	NS		0.364	U	0.109	U	NS		0.873	NS	NS		NS		0.109	U	0.546	NS	NS	U
	28-Oct-11	NS		2.7	U	NS		NS		2.7	U	NS		2.7	U	2.7	U	2.7	U	NS		2.7	U
	23-Jan-12	0.55	U	NS		0.55	U	0.55	U	NS		1.5	NS	NS		NS		0.55	U	1.3		NS	NS
	13-Apr-12	NS		0.27		NS		NS		0.27	U	NS		0.27	U	0.27	U	0.27	U	0.27		0.27	U
	24-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		1.4		NS	U
	23-Jan-12	0.55	U	NS		0.55	U	0.55	U	NS		0.55	U	NS		NS		0.55	U	0.7		NS	NS
	1-Nov-12	NS		0.25		NS		NS		0.27		NS		0.055	U	0.055	U	0.055	U	NS		0.14	NS
	1-Feb-13	0.055	U	NS		0.055	U	0.055	U	NS		0.83		NS		NS		0.055	U	0.23		NS	NS
	29-Apr-13	NS		0.15		NS		0.076		NS		0.055		0.055	U	0.061		0.055	U	NS		0.055	NS
	9-Jul-13	0.082	U	NS		0.055	U	0.061		NS		0.33		NS		NS		0.055	U	0.26		NS	U
	18-Oct-13	NS		0.23		NS		NS		0.19		NS		0.11		0.11	U	0.11	U	NS		0.28	NS
	9-Jan-14	0.11	U	NS		0.11	U	0.11	U	NS		0.41		NS		NS		0.11	U	0.46		NS	NS
	24-Apr-14	NS		0.055		NS		NS		0.055	U	NS		0.055	U	0.055	U	0.055	U	0.42		0.16	U
	1-Aug-14	0.11	U	0.16	U	NS		NS		0.11		NS		0.11		NS		0.11	U	0.22		NS	NS
	27-Aug-14	NS		NS		NS		NS		NS		0.35		NS		NS		NS		NS		NS	NS
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		0.082	U	NS		NS		NS	NS
	22-Oct-14	NS		0.19		NS		NS		0.19		0.082		0.082	U	0.082	U	0.082	U	0.28		NS	NS
	11-Jan-15	0.055	U	NS		0.055	U	0.055	U	NS		0.31		NS		NS		0.082	U	0.055		NS	NS
	30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		0.14		NS	NS
	22-Apr-15	NS		0.056		NS		NS		0.055	U	NS		0.055	U	0.079	U	0.055	U	NS		0.063	U
	21-Jul-15	0.3	U	NS		1	U	5	U	NS		0.27 <sup>U</sup>		NS		NS		0.3 <sup>U</sup>	U	NS		NS	U
	23-Sept-15 resample	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	NS
	29-Oct-15	NS		0.36		NS		NS		0.3	U	NS		0.3	U	0.3	U	0.3	U	NS		NS	U
	4-Dec-15 resample	NS		0.23 <sup>U</sup>		NS		NS		NS		NS		NS		NS		NS		NS		NS	NS
	4-Jan-16	0.055	U	NS		0.055	U	0.055	U	NS		0.24		NS		NS		0.055	U	0.4		NS	NS
	20-Apr-16	NS		0.2		NS		NS		0.098		NS		0.055	U	0.055	U	0.055	U	NS		0.074	NS
	20-Jul-16	0.27	U	NS		0.27	U	0.27	U	NS		0.59		NS		0.28		NS		0.4		NS	NS
	21-Oct-16	NS		0.59		NS		NS		0.19		NS		0.083		0.094		0.089		NS		1.4	NS
	31-Jan-17	0.13		NS		0.055	U	0.055	U	NS		0.2		NS		NS		0.055	U	0.57		NS	NS
	17-Apr-17	NS		0.12		NS		NS		0.082	U	NS		0.082	U	0.082	U	0.082	U	NS		0.082	U
	26-Jul-17	0.055	U	NS		0.055	U	0.055	U	NS		0.12		NS		NS		0.055	U	0.22		NS	NS
	12-Oct-17	NS		0.12		NS		NS		0.15		NS		0.17		0.28		0.16		NS		0.14	U
	10-Jan-18	0.055 <sup>U</sup>	U	NS		0.055 <sup>U</sup>	U	0.055 <sup>U</sup>	U	NS		0.29 <sup>U</sup>		NS		NS		0.055 <sup>U</sup>	U	NS		0.37 <sup>U</sup>	NS
	11-Apr-18	NS		0.12		NS		NS		1.1	U	NS		1.1	U	1.1	U	1.1	U	NS		1.1	U
	23-May-18	NS		NS		NS		NS		NS		NS		NS		NS		NS		0.082	U	NS	NS
	27-Jul-18	0.27	U	NS		0.27	U	0.27	U	NS		0.27		NS		NS		NS		0.56		NS	NS
	24-Oct-18	NS		0.27	U	NS		NS		0.27	U	NS		0.27	U	NS		0.27	U	NS		0.27	U
	16-Jan-19	0.055	U	NS		0.055	U	0.055	U	NS		0.2		NS		NS		0.055	U	0.26		NS	NS
	12-Apr-19	NS		0.16		NS		NS		0.055	U	NS		0.068		0.082	U	0.082	U	NS		0.082	U
	29-Jul-19	0.082	U	NS		0.082		0.1		NS		0.36		NS		NS		0.076		1.3		NS	NS
	26-Sep-19	NS		NS		NS		NS		NS		NS		NS		NS		NS		0.29		NS	NS
	29-Oct-19	NS		0.22		NS		NS		0.055	U	NS		0.055	U	0.055	U	0.055	U	0.27 <sup>U</sup>		0.27 <sup>U</sup>	U
	21-Jan-20	0.06	U	NS		0.06	U	0.06	U	NS		0.15		NS		NS		0.06	U	NS		NS	NS
	22-Apr-20	NS		0.055	U	NS		NS		0.055	U	NS		0.055	U	0.055	U	0.055	U	NS		0.055	U
	23-Jul-20	0.055	U	NS		0.055	U	0.055	U	NS		0.11		NS		NS		0.11	U	0.27		NS	NS
	29-Oct-20	NS		0.055	U	NS		NS		0.098		NS		0.055	U	0.055	U	0.055	U	NS		0.055	NS
	19-Jan-21	0.055	U	NS		0.055	U	0.055	U	NS		0.055	U	NS		NS		0.055	U	0.23 <sup>U</sup>		NS	NS
	15-Apr-21	NS		0.055	U	NS		NS		0.055	U	NS		0.055	U	0.055	U	0.055	U	NS		0.055	U
	21-Jul-21	0.055	U	NS		0.055	U	0.055	U	NS		0.055	U	NS		NS		0.055	U	0.13		NS	NS
	20-Oct-21	NS		0.13		NS		NS		0.12		NS		0.055		0.055		0.055		NS		0.055	U
	9-Feb-22	0.055	U	NS		0.055	U	0.055	U	NS		0.11		NS		NS		0.055	U	0.17		NS	NS
	7-Apr-22	NS		0.055	U	NS		NS		0.055	U	NS		0.055	U	NS		0.055	U	NS		0.055	U
	28-Jul-22	0.055	U	NS		0.05																	

Summary of Subslab Air Sampling Data  
 Alvarez School  
 Volatile Organic Compounds  
 February 2008 - January 2024

Volatile Organic Compounds via TO-15	Sample Date	MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3		
		Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	
	8-Feb-08	0.11	U	NS	NS	NS	NS	NS	NS	0.11	U	NS	NS	NS	NS	NS	NS	0.11	U	0.11	U	NS	NS	
	27-Mar-08	NS		0.109	U	NS	NS	NS	NS	NS	NS	0.109	NS	NS	NS	NS	NS	NS	0.109	U	0.109	U	0.109	U
	25-Apr-08	NS		NS	U	0.109	U	NS	NS	NS	NS	NS	0.109	U	NS	NS	NS	0.109	U	NS	NS	0.109	U	
	29-May-08	NS		NS		NS		0.11	U	NS		NS		NS		0.11	U	NS		0.11	U	NS	U	
	27-Jun-08	0.17	U	NS		NS		NS		0.109	U	NS		NS		NS		NS		0.109	U	0.109	U	
	31-Jul-08	0.109		NS	U	NS		NS		NS		NS		NS		NS		NS		0.109	U	0.109	U	
	28-Aug-08	NS		NS		0.109	U	NS		NS		NS		NS		0.109	U	NS		0.109	U	NS	U	
	30-Sep-08	NS		NS		NS		0.11	U	NS		NS		NS		0.11	U	NS		0.11	U	0.11	U	
	27-Oct-08	0.11	U	NS		NS		NS		0.11	U	NS		NS		NS		NS		0.11	U	0.11	U	
	25-Nov-08	NS		0.11		NS		NS		NS		0.11	U	NS		NS		NS		0.11	U	NS	U	
	19-Dec-08	NS		NS		0.11	U	NS		NS		NS		NS		NS		NS		0.11	U	0.11	U	
	21-Jan-09	NS		NS		NS		0.11	U	NS		NS		NS		0.11	U	NS		0.11	U	NS	U	
	25-Feb-09	0.11	U	NS		NS		NS		0.11	U	NS		NS		NS		NS		0.11	U	NS	U	
	26-Mar-09	NS		0.545	U	NS		NS		NS		1.09	U	NS		NS		NS		0.109	U	0.109	U	
	29-Apr-09	NS		0.109		NS		NS		NS		NS		NS		0.109	U	NS		0.109	U	0.109	U	
	22-Jul-09	0.545	U	NS		22.2	U	1.09		NS		0.545	U	NS		NS		NS		0.109	U	NS	U	
	9-Oct-09	NS		0.109	U	NS		NS		0.109	U	NS		NS		22.8	U	NS		0.109	U	0.109	U	
	15-Jan-10	0.109	U	NS		0.109	U	1.09		NS		0.081	U	NS		NS		NS		0.109	U	0.109	U	
	21-Apr-10	NS		0.109		NS		NS		0.545	U	NS		0.545	U	0.545	U	0.109		NS		0.109	U	
	16-Jul-10	0.109	U	NS		0.109	U	0.109		NS		0.824	U	NS		1.09		NS		0.109	U	NS	U	
	15-Oct-10	NS		0.109		NS		NS		0.109	U	NS		0.109	U	0.109	U	NS		NS		0.109	U	
	26-Jan-11	1.09	U	NS		NS		0.109		NS		0.545	U	NS		0.547	U	NS		0.545	U	NS	U	
	28-Feb-11	NS		NS		1.09	U	NS		NS		NS		NS		NS		NS		NS		NS	U	
	27-Apr-11	0.109		0.109	U	NS		0.109		0.109	U	0.109		0.109	U	0.109	U	NS		0.109	U	NS	U	
	26-Jul-11	0.364	U	NS		0.364	U	0.109		NS		0.546	U	NS		NS		NS		0.546	U	NS	U	
	28-Oct-11	NS		2.7	U	NS		NS		2.7	U	NS		2.7	U	2.7	U	NS		NS		2.7	U	
	23-Jan-12	0.55	U	NS		0.55	U	NS		0.55	U	NS		NS		NS		NS		0.55	U	NS	U	
	13-Apr-12	NS		0.27	U	NS		NS		0.27	U	NS		0.27	U	0.27	U	NS		NS		0.27	U	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		1.4	U	NS	U	
	23-Jan-12	0.55	U	NS		0.55	U	NS		0.5	U	NS		NS		NS		NS		0.55	U	NS	U	
	1-Nov-12	NS		0.055	U	NS		NS		0.055	U	NS		NS		0.055	U	NS		NS		0.055	U	
	1-Feb-13	0.055	U	NS		0.055	U	NS		0.055	U	NS		NS		NS		NS		0.055	U	NS	U	
	29-Apr-13	NS		0.14	U	NS		NS		0.055	U	NS		0.055	U	0.055	U	NS		NS		0.055	U	
	9-Jul-13	0.082	U	NS		0.055	U	0.055		NS		0.055	U	NS		NS		NS		0.055	U	NS	U	
	18-Oct-13	NS		0.11	U	NS		NS		0.11	U	NS		NS		0.11	U	NS		NS		0.11	U	
	9-Jan-14	0.11	U	NS		0.11	U	NS		0.11	U	NS		NS		0.11	U	NS		0.11	U	NS	U	
	24-Apr-14	NS		0.055	U	NS		NS		0.055	U	NS		0.055	U	0.055	U	NS		0.055	U	NS	U	
	1-Aug-14	0.11	U	NS		0.16	U	NS		0.11	U	NS		NS		0.11	U	NS		0.11	U	NS	U	
	27-Aug-14	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U	
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U	
	22-Oct-14	NS		0.082	U	NS		NS		0.082	U	NS		0.082	U	0.082	U	NS		0.082	U	NS	U	
	11-Feb-15	0.055	U	NS		0.055	U	0.055		NS		0.055	U	NS		NS		NS		0.055	U	NS	U	
	30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		0.061	U	NS	U	
	22-Apr-15	NS		0.056	U	NS		NS		0.055	U	NS		NS		0.079	U	NS		NS		0.063	U	
	21-Jul-15	0.3	U	NS		1	U	5		NS		0.3	U	NS		NS		NS		0.3 <sup>U</sup>	U	NS	U	
	23-Sept-15 resample	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U	
	29-Oct-15	NS		0.3	U	NS		NS		0.3	U	NS		NS		0.3	U	NS		NS		NS	U	
	4-Dec-15 resample	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U	
	27-Jan-16	0.055	U	NS		0.055	U	0.055		NS		0.055	U	NS		NS		NS		0.055	U	NS	U	
	20-Apr-16	NS		0.055	U	NS		NS		0.055	U	NS		NS		0.055	U	NS		NS		0.055	U	
	20-Jul-16	0.27	U	NS		0.27	U	0.27		NS		0.27	U	NS		NS		NS		0.27	U	NS	U	
	21-Oct-16	NS		0.055	U	NS		NS		0.055	U	NS		NS		0.055	U	NS		NS		0.055	U	
	31-Jan-17	0.055	U	NS		0.055	U	NS		0.055	U	NS		NS		NS		NS		0.055	U	NS	U	
	17-Apr-17	NS		0.082	U	NS		NS		0.082	U	NS		0.082	U	NS		NS		NS		0.082	U	
	26-Jul-17	0.055	U	NS		0.055	U	0.055		NS		0.055	U	NS		NS		NS		0.055	U	NS	U	
	12-Oct-17	NS		0.055	U	NS		NS		0.055	U	NS		0.17	U	NS		NS		0.16	U	NS	U	
	10-Jan-18	0.055	U	NS		0.055	U	0.055		NS		0.055	U	NS		NS		NS		0.055	U	NS	U	
	11-Apr-18	NS		0.11	U	NS		NS		1.1	U	NS		NS		1.1	U	NS		NS		1.1	U	
	23-May-18	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U	
	27-Jul-18	0.27	U	NS		0.27	U	0.27		NS		0.27	U	NS		NS		NS		0.27	U	NS	U	
	24-Oct-18	NS		0.27	U	NS		NS		0.27	U	NS		NS		0.27	U	NS		NS		0.27	U	
	16-Jan-19	0.055	U	NS		0.055	U	0.055		NS		0.055	U	NS		NS		NS		0.055	U	NS	U	
	12-Apr-19	NS		0.055	U	NS		NS		0.055	U	NS		NS		0.068	U	NS		0.082	U	NS	U	
	29-Jul-19	0.082	U	NS		0.082	U	0.055		NS		0.055	U	NS		NS		NS		0.055	U	NS	U	
	26-Sep-19	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		0.082	U	
	29-Oct-19	NS		0.055	U	NS		NS		0.055	U	NS		NS		0.27 <sup>U</sup>	U	NS		0.27 <sup>U</sup>	U	NS	U	
	21-Jan-20	0.06	U	NS		0.06	U	0.06		NS		0.06	U	NS		NS		NS		0.06	U	NS	U	
	22-Apr-20	NS		0.055	U	NS		NS		0.055	U	NS		NS		NS		NS		0.055	U	NS	U	
	23-Jul-20	0.055	U	NS		0.055	U	0.055		NS		0.11	U	NS		NS		NS		0.11	U	NS	U	
	29-Oct-20	NS		0.055	U	NS		NS		0.055	U	NS		NS		0.055	U	NS		NS		0.055	U	
	19-Jan-21	0.055	U	NS		0.055	U	NS		0.055	U	NS		NS		NS		NS		0.082 <sup>U</sup>	U	NS	U	
	15-Apr-21	NS		0.055	U	NS		NS		0.055	U	NS		NS		NS		NS		NS		NS	U	
	21-Jul-21	0.055	U	NS		0.055	U	NS		0.055	U	NS		NS		NS		NS		0.055	U	NS	U	
	20-Oct-21	NS		0.055	U	NS		NS		0.055	U	NS		NS		NS		NS		NS		NS	U	
	9-Feb-22	0.055	U	NS		0.055	U	0.055		NS		0.055	U	NS		NS		NS		0.055	U	NS	U	
	7-Apr-22	NS		0.055	U	NS		NS		0.055	U	NS		NS		NS		NS		0.055	U	NS	U	
	28-Jul-22	0.055	U	NS		0.055	U	0.055		NS		0.055	U	NS		NS		NS		0.055	U	NS	U	
	18-Oct-22	NS		0.055	U	NS		NS		0.055	U	NS		NS		NS		NS		0.055	U	NS		

Summary of Subslab Air Sampling Data  
 Alvarez School  
 Volatile Organic Compounds  
 February 2008 - January 2024

Volatile Organic Compounds via TO-15		MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual	
Sample Date																								
8-Feb-08	0.12	NS		NS		NS		NS		0.11	U	NS		NS		NS		0.2		19.6		NS		NS
27-Mar-08	NS	0.107		NS		NS		NS		0.152		NS		NS		NS		NS		13.4		NS		5.34
25-Apr-08	NS	NS	U	NS		0.199		NS		NS		NS		1.35		NS		0.668		NS		NS		3.39
29-May-08	NS	NS		NS		26.5		NS		NS		NS		0.15		NS		NS		13.6		NS		13.6
27-Jun-08	0.408	NS		NS		NS		NS		258		NS		NS		NS		NS		13.6		NS		6.56
31-Jul-08	NS	1.24		NS		NS		NS		NS		NS		NS		NS		0.126		NS		NS		2.26
28-Aug-08	NS	NS		NS		0.558		NS		NS		3.56		NS		NS		0.432		18.4		NS		NS
30-Sep-08	NS	NS		NS		56.2		NS		NS		NS		NS		0.8	U	NS		22.7		NS		3.95
27-Oct-08	0.8	NS	U	NS		NS		117		NS		NS		NS		2.99		NS		NS		NS		0.8
25-Nov-08	NS	2.92		NS		NS		NS		1.89		NS		NS		NS		0.54		39.8		NS		NS
19-Dec-08	NS	NS		NS		0.54		NS		NS		0.54		NS		NS		NS		2.48		NS		NS
21-Jan-09	NS	NS		NS		19.6		NS		NS		NS		NS		0.54	U	NS		NS		NS		4.99
25-Feb-09	0.44	NS		NS		NS		NS		99.5		NS		NS		NS		0.56		10.7		NS		NS
26-Mar-09	NS	9.2		NS		NS		NS		NS		3.88		NS		NS		NS		25.1		NS		5.49
29-Apr-09	NS	0.22		NS		NS		NS		NS		1.2		NS		NS		0.392		NS		NS		2.96
22-Jul-09	0.537	U		NS		0.537	U	12.7		NS		3.19		NS		NS		0.354		10.3		NS		NS
9-Oct-09	NS	0.091		U		NS		26		NS		1.24		NS		22.4	U	0.182		NS		NS		3.26
15-Jan-10	0.591	NS		NS		0.242		17.7		0.172		NS		NS		NS		0.107		18.5		NS		NS
21-Apr-10	NS	0.107		U		NS		NS		34		NS		0.94		0.537	U	0.891	U	NS		NS		2.01
16-Jul-10	0.333	NS		0.333		8.14		NS		0.101		NS		NS		NS		0.107		27.8		NS		NS
15-Oct-10	NS	2.26		NS		NS		NS		129		NS		1.92		0.177		0.317		NS		NS		1.3
26-Jan-11	1.07	NS	U	1.63		NS		9.94		NS		0.537	U	NS		NS		1.23		NS		NS		27.1
28-Feb-11	NS	NS		NS		1.07		NS	U	NS		NS		NS		NS		NS		NS		NS		NS
27-Apr-11	0.231	NS		0.231		NS		NS		0.107		0.891		NS		NS		0.107		NS		U		1.56
26-Jul-11	1.18	NS		NS		0.358		29.6		NS		NS		0.5		NS		0.247		20.5		NS		NS
28-Oct-11	NS	2.7		U		NS		NS		110		NS		2.7		2.7	U	2.7		NS		NS		2.7
23-Jan-12	0.88	NS		NS		0.54		NS	U	NS		7.8		NS		NS		0.54	U	NS		NS		NS
13-Apr-12	NS	0.27		U		NS		NS		NS		NS		1.5		0.27	U	0.27		NS		NS		4.1
24-Jul-12 (resample)	NS	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
23-Jan-12	1.1	NS		NS		0.54		NS	U	NS		0.75		NS		NS		0.54	U	NS		NS		NS
1-Nov-12	NS	2.4		NS		NS		NS		NS		NS		1.9		0.32		NS		NS		NS		6.9
1-Feb-13	0.85	NS		NS		0.064		NS		21		NS		5.6		NS		0.077		NS		NS		NS
29-Apr-13	NS	1.7		NS		NS		NS		NS		NS		0.84		0.12		0.44		NS		NS		NS
9-Jul-13	0.60	NS		NS		0.22		27		NS		NS		2.6		NS		0.14		NS		NS		NS
18-Oct-13	NS	3.3		NS		NS		NS		NS		NS		2.2		0.48		0.66		NS	U	NS		NS
9-Jan-14	0.49	NS		NS		NS		NS	U	NS		NS		1.8		NS		0.13		NS		NS		NS
24-Apr-14	NS	1.0		NS		NS		NS		NS		NS		0.81		NS		1.0		31		NS		2.4
1-Aug-14	NS	0.23		NS		0.23		15.19		NS		NS		NS		1.2		16.18		NS		NS		NS
27-Aug-14	NS	NS		NS		NS		NS		NS		2.63.4		NS		NS		NS		NS		NS		NS
12-Sept-14 (resample)	NS	NS		NS		NS		NS		NS		NS		NS		0.30		NS		NS		U		NS
22-Oct-14	NS	1.3		NS		NS		NS		NS		NS		1.4		0.19		NS		NS		NS		NS
20-Jan-15	0.52	NS		0.054		NS	U	24		NS		1.3		NS		NS		0.081		NS	U	0.054		NS
30-Mar-15 (resample)	NS	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		U		NS
22-Apr-15	NS	0.96		NS		NS		NS		NS		NS		0.80		0.078		NS		NS		NS		NS
21-Jul-15	0.2	NS	U	NS		NS		NS		NS		NS		NS		NS		0.99 <sup>19</sup>		NS		NS		NS
23-Sept-15 resample	NS	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
29-Oct-15	NS	4.1		NS		NS		NS		NS		NS		3.3		0.89		0.55		NS		NS		NS
4-Dec-15 resample	NS	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
27-Jan-16	2.3	NS		NS		0.13		NS		NS		0.98		NS		NS		0.27		NS		NS		NS
20-Apr-16	NS	1.8		NS		NS		NS		NS		NS		0.8		0.17		NS		NS		NS		NS
20-Jul-16	0.47	NS		NS		0.6		NS		NS		NS		3.8		NS		0.63		NS		NS		NS
21-Oct-16	NS	7.6		NS		NS		NS		NS		NS		1.1		0.31		0.18		NS		NS		NS
31-Jan-17	0.23	NS		NS		0.11		NS		NS		0.71		NS		NS		0.054		NS		NS		NS
17-Apr-17	NS	1.4		NS		NS		NS		NS		NS		NS		0.081	U	0.081		NS		NS		NS
26-Jul-17	0.23	NS		NS		0.13		NS		NS		NS		1.4		NS		NS		NS		NS		NS
12-Oct-17	NS	1.8		NS		NS		NS		NS		NS		0.76		0.38		0.15		NS		NS		NS
10-Jan-18	0.19	NS		NS		0.054		NS	U	NS		NS		2.1		NS		NS		NS		NS		NS
11-Apr-18	NS	NS		NS		NS		NS		NS		NS		1.1		NS		NS		NS		NS		NS
23-May-18	NS	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
27-Jul-18	0.27	NS	U	NS		0.27		NS	U	NS		NS		NS		NS		NS		NS		NS		NS
24-Oct-18	NS	1.7		NS		NS		NS		NS		NS		0.69		NS		0.27		NS		NS		NS
16-Jan-19	0.29	NS		NS		0.054		NS	U	NS		NS		NS		NS		0.054		NS		NS		NS
12-Apr-19	NS	NS		NS		NS		NS		NS		NS		NS		0.081	U	0.081		NS		NS		NS
29-Jul-19	0.4	NS		NS		0.15		NS		NS		NS		NS		NS		NS		NS		NS		NS
26-Sep-19	NS	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
29-Oct-19	NS	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
21-Jan-20	0.15	NS		NS		0.05		NS	U	10.00		NS		NS		NS		NS		NS		NS		NS
22-Apr-20	NS	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
23-Jul-20	0.69	NS		NS		0.12		NS		NS		NS		NS		NS		NS		NS		NS		NS
29-Oct-20	NS	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS
19-Jan-21	1	NS		NS		0.054		NS	U	NS		0.054		NS		NS		NS		NS		NS		NS
15-Apr-21	NS	0.66		NS		NS		NS		NS		NS		NS		0.054		NS		NS		NS		NS
21-Jul-21	0.24	NS		NS		0.054		NS	U	NS		NS		NS		NS		NS		NS		NS		NS
20-Oct-21	NS	1.5		NS		NS		NS		NS		NS		NS		0.1		NS		NS		NS		NS
9-Feb-22	0.39	NS		NS		0.054		NS	U	NS		NS		NS		NS		NS		NS		NS		NS
7-Apr-22	NS	NS		NS		NS		NS		0.37		NS		NS		NS		0.054		NS		NS		NS
28-Jul-22	0.99	NS		NS		0.054		NS	U	NS		NS		NS		NS		NS		NS		NS		NS
18-Oct-22	NS	0.054		U		NS		NS		NS		NS		NS		NS		0.12		NS		NS		NS
24-Jan-23	0.064	NS		NS		0.066		NS		NS		NS		NS		NS		NS		NS		NS		NS
19-Apr-23	NS	0.83		NS		NS		NS		NS		NS		NS		0.054		NS		NS		NS		0.054
5-Jul-23	NS	NS																						

Summary of Subslab Air Sampling Data  
 Alvarez School  
 Volatile Organic Compounds  
 February 2008 - January 2024

Volatile Organic Compounds via TO-15	Sample Date	MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3	
		Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
	8-Feb-08	NS	1.22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.06	NS	15.9	NS	NS
	27-Mar-08	NS	1.27	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.2	NS	12	NS	9.02
	25-Apr-08	NS	NS	NS	NS	1.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.66	NS	NS	NS	3.83
	29-May-08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.05	NS	10.6	NS	NS
	27-Jun-08	NS	1.29	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	8.85	NS	8.89
	31-Jul-08	NS	1.01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.958	NS	NS	NS	5.1
	28-Aug-08	NS	NS	NS	NS	2.53	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	18	NS	1.79	NS	NS
	30-Sep-08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.8	U	NS	NS	14.5
	27-Oct-08	NS	2.8	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	6.1	NS	NS	NS	10.4
	25-Nov-08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.8	NS	NS	NS	2.8
	19-Dec-08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.9	NS	NS	NS	4.8
	21-Jan-09	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	7.2	NS	NS	NS	10.4
	25-Feb-09	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.8	U	NS	NS	7.1
	26-Mar-09	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	19.6
	29-Apr-09	NS	NS	NS	NS	1.45	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.23	NS	NS	NS	3.17
	22-Jul-09	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9-Oct-09	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	11	NS	NS	NS	6.46
	15-Jan-10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	58.6	U	NS	NS	9.32
	21-Apr-10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	15.4
	16-Jul-10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.95	U	NS	NS	5.47
	15-Oct-10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.22	NS	NS	NS	NS
	26-Jan-11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	13.7	NS	NS	NS	10
	28-Feb-11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.4	U	NS	NS	26
	27-Apr-11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	26-Jul-11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.17	NS	NS	NS	2.53
	28-Oct-11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	23-Jan-12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5.1	NS	NS	NS	4.2
	13-Apr-12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.8	U	NS	NS	16
	24-Jul-12 (resample)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	6.4	NS	NS	NS	8.8
	23-Jan-12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.1	NS	NS	NS	21
	1-Nov-12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1-Feb-13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	6.7	NS	NS	NS	7.2
	29-Apr-13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9-Jul-13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3.1	NS	NS	NS	2.7
	18-Oct-13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9-Jan-14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3.3	NS	NS	NS	5.5
	24-Apr-14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	6.9	NS	NS	NS	20
	1-Aug-14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	27-Aug-14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12-Sept-14 (resample)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	22-Oct-14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	20-Jan-15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	7.0	NS	NS	NS	NS
	30-Mar-15 (resample)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.2	NS	NS	NS	7.4
	22-Apr-15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	21-Jul-15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	23-Sept-15 resample	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4-Dec-15 resample	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	27-Jan-16	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	20-Apr-16	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	20-Jul-16	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	21-Oct-16	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	31-Jan-17	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	17-Apr-17	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	26-Jul-17	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12-Oct-17	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10-Jan-18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11-Apr-18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	23-May-18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	27-Jul-18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	24-Oct-18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	16-Jan-19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12-Apr-19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	29-Jul-19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	26-Sep-19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	29-Oct-19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	21-Jan-20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	22-Apr-20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	23-Jul-20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	29-Oct-20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	19-Jan-21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	15-Apr-21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	21-Jul-21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	20-Oct-21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9-Feb-22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7-Apr-22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	28-Jul-22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	18-Oct-22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	24-Jan-23	NS	NS	NS	NS	NS																	

Summary of Subslab Air Sampling Data  
 Alvarez School  
 Volatile Organic Compounds  
 February 2008 - January 2024

Volatile Organic Compounds via TO-15		MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual
Sample Date																							
8-Feb-08		0.21		NS		NS		NS		0.23		NS		NS		NS		0.69		1.93		NS	
27-Mar-08		NS		0.304		NS		NS		0.152		NS		NS		NS		NS		0.958		0.681	
25-Apr-08		NS		NS		1.72		NS		NS		NS		0.644		NS		0.517		NS		0.338	
29-May-08		NS		NS		0.6		NS		NS		NS		1		NS		1.26		NS		0.48	
27-Jun-08		7.46		NS		NS		NS		1.15		NS		NS		NS		NS		0.638		0.736	
31-Jul-08		1.86		NS		NS		NS		NS		NS		NS		NS		0.885		NS		0.685	
28-Aug-08		NS		NS		0.838		NS		NS		NS		NS		NS		0.669		NS		0.653	
30-Sep-08		NS		NS		NS		2.5		U		NS		NS		2.5		U		NS		2.5	
27-Oct-08		11.4		NS		NS		NS		2.5		U		NS		NS		2.5		U		NS	
25-Nov-08		NS		2.5		NS		NS		NS		2.5		U		NS		6.4		5.2		NS	
19-Dec-08		NS		NS		2.5		NS		NS		NS		2.5		NS		NS		2.5		NS	
21-Jan-09		NS		NS		2.5		NS		NS		NS		NS		2.5		U		NS		NS	
25-Feb-09		17.5		NS		NS		NS		4		NS		NS		NS		6.2		2.9		NS	
26-Mar-09		NS		0.491		U		NS		NS		0.982		U		NS		NS		1.09		1.55	
29-Apr-09		NS		0.265		NS		NS		NS		NS		NS		NS		0.707		NS		0.801	
22-Jul-09		3.49		NS		20		U		0.982		U		NS		0.737		NS		56.4		0.86	
9-Oct-09		NS		0.707		NS		NS		0.781		NS		0.648		NS		20.5		U		NS	
15-Jan-10		2.87		NS		0.354		NS		0.29		NS		0.314		NS		NS		1.17		NS	
21-Apr-10		NS		0.211		NS		NS		NS		0.933		NS		1.42		1.13		0.653		NS	
16-Jul-10		8.3		NS		8.23		NS		8.09		NS		6.27		NS		4.28		NS		5.05	
15-Oct-10		NS		1.29		NS		NS		1.61		NS		1.1		1.38		1.86		NS		2.35	
26-Jan-11		1.23		NS		1.4		NS		1.6		NS		0.491		U		NS		6.93		NS	
28-Feb-11		NS		NS		0.982		U		NS		NS		NS		NS		NS		NS		NS	
27-Apr-11		NS		0.845		NS		NS		0.855		NS		1.06		NS		1.06		NS		1.09	
26-Jul-11		NS		NS		2.67		NS		0.61		NS		0.541		NS		NS		2.48		0.541	
28-Oct-11		NS		2.5		U		NS		NS		NS		2.5		U		2.5		U		3.7	
23-Jan-12		3		NS		0.76		NS		0.49		U		NS		NS		NS		2.7		NS	
13-Apr-12		NS		0.49		U		NS		NS		0.49		NS		0.49		1.1		3.9		NS	
24-Jul-12 (resample)		NS		NS		NS		NS		NS		NS		NS		NS		NS		2.5		NS	
23-Jan-12		4.1		NS		1.3		NS		1.2		NS		1.1		NS		NS		2.1		1.1	
1-Nov-12		NS		1.7		NS		NS		2.5		NS		3.1		3		3.2		NS		3.3	
1-Feb-13		1.2		NS		0.23		NS		0.21		NS		0.3		NS		NS		0.86		NS	
29-Apr-13		NS		0.54		NS		NS		0.74		NS		0.66		0.83		1		NS		0.84	
9-Jul-13		4.2		NS		1.6		NS		1.8		NS		NS		NS		2		2.0		NS	
18-Oct-13		NS		4.8		NS		NS		NS		NS		5.6		6.4		5.0		NS		5.7	
9-Jan-14		2.7		NS		2.7		NS		3.8		NS		3.8		NS		13.0		NS		NS	
24-Apr-14		NS		0.098		U		NS		0.098		U		NS		0.13		0.098		12.0		0.1	
1-Aug-14		4.1		NS		6.581		U		2.016		NS		NS		2.6		NS		63.43		2.6	
27-Aug-14		NS		NS		NS		NS		NS		NS		1.1		NS		NS		NS		NS	
12-Sept-14 (resample)		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
22-Oct-14		NS		0.37		NS		NS		0.28		NS		0.59		0.50		1.0		1.2		NS	
20-Jan-15		0.19		NS		0.098		U		0.098		U		0.098		NS		NS		0.3		0.4	
30-Mar-15 (resample)		NS		NS		NS		NS		NS		NS		NS		NS		NS		0.55		NS	
22-Apr-15		NS		0.27		NS		NS		0.17		NS		NS		0.24		0.33		0.33		0.43	
21-Jul-15		0.44		NS		1.1		NS		5		U		NS		0.89		NS		0.47 <sup>19</sup>		0.66 <sup>19</sup>	
23-Sept-15 resample		NS		NS		NS		NS		NS		NS		NS		NS		1.7		NS		NS	
29-Oct-15		NS		0.43		NS		NS		0.78		NS		0.87		0.64		0.64		NS		0.76	
4-Dec-15 resample		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
27-Jan-16		0.32		NS		0.098		U		0.17		NS		0.098		NS		0.55		NS		0.38	
20-Apr-16		NS		0.39		NS		NS		NS		NS		0.79		NS		1		NS		0.94	
20-Jul-16		2.2		NS		2.6		NS		2.3		NS		2.4		NS		3.2		2.6		NS	
21-Oct-16		NS		0.8		NS		NS		0.74		NS		1.1		NS		1.2		NS		1.3	
31-Jan-17		1.3		NS		0.61		NS		0.69		NS		0.74		NS		5.1		NS		4.9	
17-Apr-17		NS		0.16		NS		NS		0.21		NS		0.2		NS		0.29		NS		0.33	
26-Jul-17		0.28		NS		0.098		U		0.3		NS		0.36		NS		0.34		0.29		NS	
12-Oct-17		NS		0.95		NS		NS		0.58		NS		2.6		NS		1.9		NS		1.6	
10-Jan-18		0.14		NS		0.098		U		0.18		NS		0.12		NS		0.88		NS		0.76	
11-Apr-18		NS		0.31 <sup>19</sup>		NS		NS		0.98		U		NS		0.98		NS		U		0.98	
23-May-18		NS		NS		NS		NS		NS		NS		NS		NS		NS		0.15		NS	
27-Jul-18		0.49		U		NS		U		0.49		U		NS		0.49		NS		U		NS	
24-Oct-18		NS		0.49		U		NS		0.49		NS		0.49		NS		0.49		U		NS	
16-Jan-19		0.098		U		NS		0.098		U		NS		0.098		NS		0.098		U		NS	
12-Apr-19		NS		0.098		U		NS		0.098		U		NS		0.12		U		0.15		U	
29-Jul-19		2.9		NS		3.1		NS		4.3		NS		5.3		NS		1.9		NS		3.3	
26-Sep-19		NS		NS		NS		NS		NS		NS		NS		NS		NS		0.5		NS	
29-Oct-19		NS		1.9		NS		NS		1.5		NS		0.3		NS		1.7		2.2 <sup>20</sup>		2.7 <sup>20</sup>	
21-Jan-20		0.17		NS		0.25		NS		0.24		NS		0.22		NS		2.10		NS		3.10	
22-Apr-20		NS		0.098		U		NS		0.098		U		NS		0.098		NS		U		NS	
23-Jul-20		0.098		U		NS		0.098		U		NS		0.2		NS		3.9		NS		4.9	
29-Oct-20		NS		0.098		U		NS		0.098		U		NS		0.098		NS		U		NS	
19-Jan-21		NS		NS		0.098		U		NS		NS		0.098		NS		NS		U		0.15 <sup>21</sup>	
15-Apr-21		NS		0.098		U		NS		0.098		U		NS		0.098		NS		U		NS	
21-Jul-21		0.74		NS		0.68		NS		0.46		NS		1.2		NS		0.82		NS		1.1	
20-Oct-21		NS		0.17		NS		NS		0.27		NS		0.24		NS		0.51		NS		0.68	
9-Feb-22		0.098		U		NS		0.098		U		NS		0.098		NS		0.098		U		0.098	
7-Apr-22		NS		0.89		NS		NS		1.2		NS		0.9		NS		0.84		NS		1.2	
28-Jul-22		2.9		NS		7		NS		4.2		NS		3.2		NS		1.9		2.7		NS	
18-Oct-22		NS		0.8		NS		NS		1.2		NS		1.2		NS		1.6		NS		2.7	
24-Jan-23		0.098		U		NS		0.52		0.73		NS		0.22		NS		0.9		NS		1.5	
19-Apr-23		NS		2.7		NS		NS		NS		NS		3.6		NS		2.8		NS		0.76	
5-Jul-23		NS		NS		NS		NS		0.13		NS		NS		NS		NS		NS		NS	
18-Jul-23		2.8		NS		1.5		NS		1.3		NS		1.9		NS		2		NS		1.9	
25-Oct-23		NS		NS		NS		NS		1.3		NS		1.7		NS		1.6		NS		3.5	
9-Jan-24		0.22		NS		0.26		NS		0.29		NS		0.5		NS		0.					

Summary of Subslab Air Sampling Data  
 Alvarez School  
 Volatile Organic Compounds  
 February 2008 - January 2024

Volatile Organic Compounds via		MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3	
TO-15	Sample Date	MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual
	8-Feb-08	0.1	U	NS		NS		NS		0.1		NS		NS		NS		0.47		0.66		NS	
	27-Mar-08	NS		0.14		NS		NS		NS		0.098		NS		NS		NS		NS		NS	
	25-Apr-08	NS		NS		1.6		NS		NS		NS	U	0.228		NS		0.192		NS		NS	
	29-May-08	NS		NS		0.18		NS		NS		NS		NS		0.32		NS		0.43		NS	
	27-Jun-08	5.16		NS		NS		NS		0.463		NS		NS		NS		NS		NS		0.236	
	31-Jul-08	NS		0.713		NS		NS		NS		NS		NS		NS		0.276		NS		NS	
	28-Aug-08	NS		NS		0.497		NS		NS		NS		0.215		NS		0.248		NS		0.233	
	30-Sep-08	NS		NS		NS		2.5	U	NS		NS		NS		2.5	U	NS		2.5		2.5	U
	27-Oct-08	7.8		NS		NS		NS		2.5	U	NS		NS		NS		2.5		2.5		2.5	U
	25-Nov-08	NS		2.5		NS		NS		NS		2.5	U	NS		NS		2.5		2.5		NS	
	19-Dec-08	NS		NS		2.5		NS		NS		NS		NS		NS		NS		NS		2.5	U
	21-Jan-09	NS		NS		2.5		NS		NS		NS		NS		NS		2.5		2.5		NS	U
	25-Feb-09	9.1		NS		NS		NS		2.5	U	NS		NS		NS		2.5		2.5		NS	U
	26-Mar-09	NS		0.491		NS		NS		NS		0.982		U		NS		NS		NS		0.337	
	29-Apr-09	NS		NS		0.147		NS		NS		NS		NS		NS		0.211		NS		NS	
	22-Jul-09	3		NS		20		0.982		U		NS		NS		NS		22.7		NS		0.275	
	9-Oct-09	NS		0.216		NS		NS		0.241		NS		NS		0.187		NS		0.388		NS	
	15-Jan-10	2.15		0.118		0.098		U		0.098		NS		0.108		NS		0.29		NS		0.334	
	21-Apr-10	NS		0.098		NS		NS		NS		0.491		U		NS		0.491		U		0.177	
	16-Jul-10	NS		2.76		1.88		NS		1.81		NS		NS		1.67		NS		1.08		NS	
	15-Oct-10	NS		0.418		NS		NS		0.383		NS		NS		0.275		0.324		0.545		NS	
	26-Jan-11	0.982		0.437		NS		0.472		NS		0.491		U		NS		1.99		NS		2.87	
	28-Feb-11	NS		NS		0.982		U		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.255		NS		0.27		NS		0.368		NS		0.329		0.599		NS		0.354	
	26-Jul-11	0.688		NS		0.885		NS		0.182		NS		0.492		U		0.664		0.492		NS	
	28-Oct-11	NS		2.5		NS		NS		2.5		NS		NS		2.5		2.5		2.5		2.5	U
	23-Jan-12	0.99		NS		0.49		U		0.49		NS		U		NS		NS		0.71		0.83	
	13-Apr-12	NS		NS		0.49		NS		NS		NS		U		0.49		U		1.1		NS	
	24-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		2.5		NS	U
	23-Jan-12	1.6		NS		0.49		U		0.49		NS		U		NS		NS		0.49		NS	
	1-Nov-12	NS		0.25		NS		NS		0.39		NS		NS		0.53		0.5		0.56		NS	
	1-Feb-13	0.42		NS		0.098		U		0.098		NS		U		NS		NS		0.3		0.24	
	29-Apr-13	NS		0.25		NS		NS		0.22		NS		NS		0.18		0.22		0.3		0.27	
	9-Jul-13	NS		1.5		NS		0.39		NS		NS		NS		NS		NS		0.43		0.44	
	18-Oct-13	NS		0.53		NS		NS		0.52		NS		NS		0.99		NS		0.44		NS	
	9-Jan-14	0.77		NS		0.96		NS		0.98		NS		NS		0.98		NS		3.1		NS	
	24-Apr-14	NS		0.098		NS		NS		0.098		NS		U		0.098		U		2.9		0.098	
	1-Aug-14	NS		1.00		NS		0.60		NS		NS		NS		NS		0.46		NS		NS	
	27-Aug-14	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
	22-Oct-14	NS		0.15		NS		NS		0.15		U		0.15		0.20		U		0.15		NS	
	1,3,5-Trimethylbenzene	0.098		U		NS		0.098		U		0.098		U		NS		NS		0.15		U	
	30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
	22-Apr-15	NS		0.10		U		NS		NS		0.098		NS		0.098		U		0.14		U	
	21-Jul-15	0.2		U		NS		5		U		NS		U		NS		0.20 <sup>U</sup>		U		0.14 <sup>U</sup>	
	23-Sept-15 resample	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
	29-Oct-15	NS		0.3		U		NS		0.16 <sup>U</sup>		NS		U		0.13 <sup>U</sup>		0.15 <sup>U</sup>		NS		0.17 <sup>U</sup>	
	4-Dec-15 resample	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
	27-Jan-16	0.1		NS		0.098		U		0.098		U		0.098		NS		0.13		0.098		U	
	20-Apr-16	NS		0.098		NS		NS		0.098		U		NS		0.18		0.098		0.26		NS	
	20-Jul-16	0.78		NS		1.2		0.88		NS		0.96		NS		NS		1.3		1		NS	
	21-Oct-16	NS		0.17		NS		NS		0.18		NS		NS		0.19		0.28		NS		NS	
	31-Jan-17	0.36		NS		0.13		NS		0.15		NS		NS		NS		NS		1.3		1.2	
	17-Apr-17	NS		0.15		U		NS		0.15		U		NS		NS		NS		NS		NS	
	26-Jul-17	0.098		U		NS		0.098		U		NS		U		NS		NS		0.098		U	
	12-Oct-17	NS		0.16		NS		NS		0.16		NS		NS		0.3		0.4		NS		NS	
	10-Jan-18	0.098		U		NS		0.098		U		0.098		U		NS		NS		0.17		NS	
	11-Apr-18	NS		0.098		NS		NS		0.98		U		NS		0.98		U		0.98		U	
	23-May-18	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
	27-Jul-18	0.49		U		NS		0.49		U		NS		U		NS		NS		0.49		U	
	24-Oct-18	NS		0.49		U		NS		NS		NS		U		0.49		U		NS		NS	
	16-Jan-19	0.1		NS		0.098		U		0.098		U		NS		NS		0.098		U		NS	
	12-Apr-19	NS		0.098		NS		NS		0.098		U		NS		NS		0.12		U		NS	
	29-Jul-19	0.68		NS		0.75		1		NS		1.2		NS		NS		NS		0.53		NS	
	26-Sep-19	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		0.15	
	29-Oct-19	NS		0.4		NS		NS		0.47		NS		0.098		U		0.38		0.55 <sup>U</sup>		0.73 <sup>U</sup>	
	21-Jan-20	0.10		U		NS		0.10		U		NS		U		NS		NS		0.54		0.87	
	22-Apr-20	NS		0.098		U		NS		0.098		U		NS		NS		NS		0.29		NS	
	23-Jul-20	0.3		NS		0.098		U		0.098		U		NS		NS		NS		0.2		1.1	
	29-Oct-20	NS		0.098		U		NS		0.098		U		NS		0.098		U		0.24		NS	
	19-Jan-21	0.098		NS		0.098		U		0.098		U		NS		NS		NS		0.2		0.27 <sup>U</sup>	
	15-Apr-21	NS		0.098		NS		NS		0.098		U		NS		NS		NS		0.13		NS	
	21-Jul-21	NS		0.17		NS		0.14		NS		NS		NS		NS		NS		0.19		0.25	
	20-Oct-21	NS		0.098		NS		NS		0.098		U		NS		NS		NS		0.13		NS	
	9-Feb-22	0.098		U		NS		0.098		U		0.098		U		NS		NS		0.098		U	
	7-Apr-22	NS		NS		NS		NS		0.36		NS		NS		NS		0.26		0.18		NS	
	28-Jul-22	0.67		NS		1.7		NS		1.1		NS		NS		NS		NS		0.59		0.72	
	18-Oct-22	NS		0.22 <sup>NS</sup>		NS		NS		0.29 <sup>NS</sup>		NS		NS		0.52 <sup>NS</sup>		0.41 <sup>NS</sup>		0.39 <sup>NS</sup>		NS	
	24-Jan-23	0.098		U		NS		0.18		NS		0.098		U		NS		NS		0.27		NS	
	19-Apr-23	NS		0.73		NS		NS		NS		0.92		NS		NS		1		0.67		NS	
	5-Jul-23	NS		NS		NS		NS		0.098		U		NS		NS		NS		NS		NS	
	18-Jul-23	NS		NS		NS		0.23		0.22		NS		NS		NS		NS		0.71		NS	
	25-Oct-23	NS		0.38		NS		NS		NS		NS		NS		NS		NS		0.49		NS	
	9-Jan-24	0.098		U		NS		0															







Summary of Subslab Air Sampling Data  
 Alvarez School  
 Volatile Organic Compounds  
 February 2008 - January 2024

Volatile Organic Compounds via TO-15	Sample Date	MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3	
		Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
	8-Feb-08	NS	0.2	NS	NS	NS	NS	NS	NS	0.23	NS	NS	NS	NS	NS	NS	NS	0.48	NS	7.73	NS	NS	NS
	27-Mar-08	NS	0.273	NS	NS	NS	NS	NS	NS	0.142	NS	NS	NS	NS	NS	NS	NS	NS	0.844	NS	0.844	NS	0.478
	25-Apr-08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.735	NS	NS	NS	0.62
	29-May-08	NS	NS	NS	NS	NS	NS	NS	NS	1.48	NS	NS	NS	NS	NS	NS	NS	NS	2.26	NS	2.84	NS	1.02
	27-Jun-08	NS	4.12	NS	NS	NS	NS	NS	NS	0.55	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.672	NS	0.794
	31-Jul-08	NS	0.835	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.748	NS	0.564
	28-Aug-08	NS	NS	NS	NS	NS	NS	NS	NS	0.804	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.797	NS	0.725
	30-Sep-08	NS	NS	NS	NS	NS	NS	NS	NS	2.2	NS	NS	NS	NS	NS	NS	NS	NS	2.2	NS	2.2	NS	2.2
	27-Oct-08	NS	9.8	NS	NS	NS	NS	NS	NS	2.2	U	NS	NS	NS	NS	NS	NS	NS	2.2	NS	2.2	NS	4
	25-Nov-08	NS	2.2	NS	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3.1	NS	2.2	NS	NS
	19-Dec-08	NS	NS	NS	NS	NS	NS	NS	NS	2.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.2	NS	2.2
	21-Jan-09	NS	NS	NS	NS	NS	NS	NS	NS	2.2	U	NS	NS	NS	NS	NS	NS	NS	2.2	NS	2.2	NS	NS
	25-Feb-09	NS	8.9	NS	NS	NS	NS	NS	NS	2.2	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.2	NS	3.2
	26-Mar-09	NS	0.486	NS	NS	NS	NS	NS	NS	NS	NS	0.868	NS	NS	NS	NS	NS	NS	NS	NS	0.922	NS	1.28
	29-Apr-09	NS	NS	NS	NS	NS	NS	NS	NS	0.174	NS	NS	NS	NS	NS	NS	NS	NS	0.369	NS	NS	NS	0.499
	22-Jul-09	NS	5.34	NS	NS	NS	NS	NS	NS	0.868	U	NS	NS	NS	NS	NS	NS	NS	1.39	NS	72.7	NS	1.27
	9-Oct-09	NS	NS	NS	NS	NS	NS	NS	NS	0.542	NS	NS	NS	NS	NS	NS	NS	NS	0.343	NS	18.1	U	NS
	15-Jan-10	NS	4.51	NS	NS	NS	NS	NS	NS	0.49	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.833	NS	0.846
	21-Apr-10	NS	NS	NS	NS	NS	NS	NS	NS	0.256	NS	NS	NS	NS	NS	NS	NS	NS	1.56	NS	1.24	NS	NS
	16-Jul-10	NS	5.07	NS	NS	NS	NS	NS	NS	2.84	NS	NS	NS	NS	NS	NS	NS	NS	2.1	NS	1.88	NS	2.05
	15-Oct-10	NS	NS	NS	NS	NS	NS	NS	NS	0.672	NS	NS	NS	NS	NS	NS	NS	NS	0.659	NS	0.729	NS	1.22
	26-Jan-11	NS	1.08	NS	NS	NS	NS	NS	NS	1.5	NS	NS	NS	NS	NS	NS	NS	NS	1.15	NS	4.32	NS	5.16
	28-Feb-11	NS	NS	NS	NS	NS	NS	NS	NS	0.868	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	27-Apr-11	NS	NS	NS	NS	NS	NS	NS	NS	0.286	NS	NS	NS	NS	NS	NS	NS	NS	0.286	NS	0.456	NS	0.551
	26-Jul-11	NS	1.87	NS	NS	NS	NS	NS	NS	1.45	NS	NS	NS	NS	NS	NS	NS	NS	0.434	U	NS	NS	0.365
	28-Oct-11	NS	NS	NS	NS	NS	NS	NS	NS	2.2	NS	NS	NS	NS	NS	NS	NS	NS	2.2	NS	2.2	NS	2.2
	23-Jan-12	NS	2.3	NS	NS	NS	NS	NS	NS	0.54	NS	NS	NS	NS	NS	NS	NS	NS	0.79	NS	4.6	NS	NS
	13-Apr-12	NS	NS	NS	NS	NS	NS	NS	NS	0.43	NS	NS	NS	NS	NS	NS	NS	NS	0.43	NS	0.43	NS	0.43
	24-Jul-12 (resample)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	23-Jan-12	NS	3	NS	NS	NS	NS	NS	NS	0.43	U	NS	NS	NS	NS	NS	NS	NS	0.43	NS	0.43	NS	0.43
	1-Nov-12	NS	NS	NS	NS	NS	NS	NS	NS	0.72	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	1-Feb-13	NS	1	NS	NS	NS	NS	NS	NS	0.19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.3	NS	1.8
	29-Apr-13	NS	NS	NS	NS	NS	NS	NS	NS	0.43	NS	NS	NS	NS	NS	NS	NS	NS	0.46	NS	0.52	NS	0.86
	9-Jul-13	NS	3.2	NS	NS	NS	NS	NS	NS	0.86	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.3	NS	0.28
	18-Oct-13	NS	NS	NS	NS	NS	NS	NS	NS	1.7	NS	NS	NS	NS	NS	NS	NS	NS	2.1	NS	2.9	NS	1.7
	9-Jan-14	NS	3.4	NS	NS	NS	NS	NS	NS	3.0	NS	NS	NS	NS	NS	NS	NS	NS	4.0	NS	9.6	NS	NS
	24-Apr-14	NS	NS	NS	NS	NS	NS	NS	NS	0.087	NS	NS	NS	NS	NS	NS	NS	NS	0.087	U	0.087	NS	0.087
	1-Aug-14	NS	1.9	NS	NS	NS	NS	NS	NS	1.618	NS	NS	NS	NS	NS	NS	NS	NS	1.1	NS	0.79	NS	121.6
	27-Aug-14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.3	NS	NS	NS	NS
	12-Sept-14 (resample)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	22-Oct-14	NS	NS	NS	NS	NS	NS	NS	NS	0.13	NS	NS	NS	NS	NS	NS	NS	NS	0.13	NS	0.13	NS	0.35
	20-Jan-15	NS	0.29	NS	NS	NS	NS	NS	NS	0.087	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.23	NS	0.34
	30-Mar-15 (resample)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	22-Apr-15	NS	NS	NS	NS	NS	NS	NS	NS	0.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.22,0.25	NS	0.38
	21-Jul-15	NS	0.48	NS	NS	NS	NS	NS	NS	0.59 <sup>1</sup>	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.54 <sup>10</sup>	NS	0.73 <sup>10</sup>
	23-Sept-15 resample	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	29-Oct-15	NS	NS	NS	NS	NS	NS	NS	NS	0.16 <sup>1</sup>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.3	NS	NS
	4-Dec-15 resample	NS	NS	NS	NS	NS	NS	NS	NS	0.4	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.28	NS	0.44
	27-Jan-16	NS	0.51	NS	NS	NS	NS	NS	NS	0.13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.63	NS	0.84
	20-Apr-16	NS	NS	NS	NS	NS	NS	NS	NS	0.36	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.49	NS	0.92
	20-Jul-16	NS	3.4 <sup>**</sup>	NS	NS	NS	NS	NS	NS	0.84 <sup>**</sup>	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.67	NS	1.3 <sup>**</sup>
	21-Oct-16	NS	NS	NS	NS	NS	NS	NS	NS	0.18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.38	NS	0.62
	31-Jan-17	NS	0.88	NS	NS	NS	NS	NS	NS	0.31	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.27	NS	1.2
	17-Apr-17	NS	NS	NS	NS	NS	NS	NS	NS	0.13	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.13	NS	0.25
	26-Jul-17	NS	0.45	NS	NS	NS	NS	NS	NS	0.28	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.46	NS	0.34
	12-Oct-17	NS	NS	NS	NS	NS	NS	NS	NS	0.36	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.52	NS	0.46
	10-Jan-18	NS	0.44	NS	NS	NS	NS	NS	NS	0.12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.2	NS	0.53
	11-Apr-18	NS	NS	NS	NS	NS	NS	NS	NS	0.13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.87	U	0.87
	23-May-18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.87	U	0.35
	27-Jul-18	NS	0.43	NS	NS	NS	NS	NS	NS	0.43	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.16
	24-Oct-18	NS	NS	NS	NS	NS	NS	NS	NS	0.43	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.43	NS	0.43
	16-Jan-19	NS	0.44	NS	NS	NS	NS	NS	NS	0.089	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.43	U	0.63
	12-Apr-19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.31	NS	0.38
	29-Jul-19	NS	6.7	NS	NS	NS	NS	NS	NS	0.11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.19	NS	0.25
	26-Sep-19	NS	NS	NS	NS	NS	NS	NS	NS	6.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	10	NS	5.3
	29-Oct-19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.7
	21-Jan-20	NS	0.33	NS	NS	NS	NS	NS	NS	1.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.32	NS	2.8 <sup>10</sup>
	22-Apr-20	NS	NS	NS	NS	NS	NS	NS	NS	0.44	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.7 <sup>10</sup>
	23-Jul-20	NS	0.087	NS	NS	NS	NS	NS	NS	0.087	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.32	NS	NS
	23-Oct-20	NS	0.8	NS	NS	NS	NS	NS	NS	0.42	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.32	NS	NS
	29-Oct-20	NS	NS	NS	NS	NS	NS	NS	NS	0.24	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.21	NS	1
	19-Jan-21	NS	0.13	NS	NS	NS	NS	NS	NS	0.087	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.31	NS	0.66
	15-Apr-21	NS	NS	NS	NS	NS	NS	NS	NS	0.13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.4
	21-Jul-21	NS	0.57	NS	NS	NS	NS	NS	NS	0.12													

**Summary of Subslab Air Sampling Data**  
**Alvarez School**  
**Volatile Organic Compounds**  
**February 2008 - January 2024**

Volatiles Organic Compounds via TO-15	MP-1	MP-2	MP-3	MP-4	MP-5	MP-6	MP-7	MP-8	IMP-1	IMP-2	IMP-3
Sample Date	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
<p> <sup>1</sup> Site Specific Compound of Concern per ATSDR Health Consultation, December 4, 2006.  <sup>2</sup> Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.  <sup>3</sup> Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.  <sup>4</sup> Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.  <sup>5</sup> Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.  <sup>6</sup> Reported result is estimated due to value over calibration range  <sup>7</sup> Estimated result as the result was between the MDL and the RDL.  <sup>8</sup> One or more method internal standards were recovered outside of the control limits. Sample re-analysis not possible due to sample volume and detection limit constraints.  <sup>9</sup> Elevated method reporting limits due to diluted matrices. Con-test internal standards failed and samples were re-pressurized and diluted.  <sup>10</sup> Initial calibration did not meet standard and was biased on the low side. Reported result is estimated.  <sup>11</sup> Elevated reporting limits due to sample miss injection. Samples were re-pressurized for analysis. Applies to IMP-2 sample.  <sup>12</sup> Initial calibration verification did not meet method specifications and was biased on the high side for this compound            NOTES:            All data presented in micrograms per cubic meter (ug/m<sup>3</sup>).            Two values displayed with a slash indicates dilutions resulting in two different concentrations. Where two reporting limits were given for multiple dilutions, the lower RL was documented in this table.            U = Designation indicates that the compound was not detected by the laboratory. Reporting limit shown in the data column.            NS = Not sampled.         </p>											

## **APPENDIX D**

### **Indoor Ambient Air Contingency**

#### **Sampling Analytical Summary**

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**Summary of July 2023 - January 2024 Indoor Air Contingency Data - Volatile Organic Compounds  
J. Alvarez High School - Providence, Rhode Island**

Volatile Organic Compounds via TO-15 Laboratory Analysis	CT Draft Proposed Indoor Residential Target Air Concentration/ Interim RIDEM-Approved Action Level	Sample Date	Room 115		Room 116		Room 116 (Inside Wall)		Room 117		Room 145		Room 152		Kitchen Storage		
				Qual		Qual		Qual		Qual		Qual		Qual		Qual	
Acetone	180.0	7/5/2023	NS		90		NS		NS		NS		NS		NS		NS
		7/24/2023	NS		NS		NS		NS		NS	25	NS		26		26
		9/15/2023	NS		38		NS		NS		NS		NS		NS		NS
		10/9/2023	5.6		6.4		25		1.9	U	NS		NS		NS		NS
		10/25/2023	NS		27		NS		NS		38		42		60		60
		11/15/2023	NS		7.1		NS		NS		4.8		15		10		10
		11/29/2023	NS		7.8		NS		NS		5.4		18		5.6		5.6
		12/14/2023	NS		5.3		NS		NS		5.4		14		18		18
		1/9/2024	NS		NS		NS		NS		7.2		13		15		15
		1/26/2024	NS		18		NS		NS		6.9		8.8		21		21
		2/8/2024	NS		30		NS		NS		7.7		8.5		19		19
		2/26/2023	NS		24		NS		NS		6.5		8.3		20		20
Acrylonitrile	None	7/5/2023	NS		0.25	U	NS		NS		NS		NS		NS		NS
		7/24/2023	NS		NS		NS		NS		NS		NS		NS		NS
		9/15/2023	NS		0.25	U	NS		NS		NS		NS		NS		NS
		10/9/2023	0.25	U	0.25	U	0.25	U	0.25	U	NS		NS		NS		NS
		10/25/2023	NS		0.25		NS		NS		0.25		0.25		0.25		0.25
		11/15/2023	NS		0.25	U	NS		NS		0.25	U	0.25	U	0.25	U	0.25
		11/29/2023	NS		0.25	U	NS		NS		0.25	U	0.25	U	0.25	U	0.25
		12/14/2023	NS		0.25	U	NS		NS		0.25	U	0.25	U	0.25	U	0.25
		1/9/2024	NS		NS		NS		NS		0.25	U	0.25	U	0.25	U	0.25
		1/26/2024	NS		0.25	U	NS		NS		0.25	U	0.25	U	0.25	U	0.25
		2/8/2024	NS		0.38	U	NS		NS		0.5	U	0.38	U	0.5	U	0.5
		2/26/2023	NS		0.25	U	NS		NS		0.25	U	0.25	U	0.25	U	0.25
Benzene	3.3	7/5/2023	NS		0.57		NS		NS		NS		NS		NS		NS
		7/24/2023	NS		NS		NS		NS		0.35		0.37		0.35		0.35
		9/15/2023	NS		0.37		NS		NS		NS		NS		NS		NS
		10/9/2023	0.43		0.4		1		0.42		NS		NS		NS		NS
		10/25/2023	NS		1		NS		NS		1.2		0.62		1.9		1.9
		11/15/2023	NS		0.61		NS		NS		0.46		0.85		0.57		0.57
		11/29/2023	NS		0.27		NS		NS		0.31		0.84		0.33		0.33
		12/14/2023	NS		0.3		NS		NS		0.41		0.37		0.38		0.38
		1/9/2024	NS		NS		NS		NS		0.98		1.7		1.3		1.3
		1/26/2024	NS		0.58		NS		NS		0.58		0.63		0.64		0.64
		2/8/2024	NS		0.94		NS		NS		0.62		0.84		0.77		0.77
		2/26/2023	NS		0.42		NS		NS		0.61		0.63		0.52		0.52
Bromodichloromethane	0.034/0.13	7/5/2023	NS		0.067	U	NS		NS		NS		NS		NS		NS
		7/24/2023	NS		NS		NS		NS		NS		NS		NS		NS
		9/15/2023	NS		0.067	U	NS		NS		NS		NS		NS		NS
		10/9/2023	0.067	U	0.067	U	0.067	U	0.067	U	NS		NS		NS		NS
		10/25/2023	NS		0.067	U	NS		NS		0.067	U	0.067	U	0.067	U	0.067
		11/15/2023	NS		0.067	U	NS		NS		0.067	U	0.067	U	0.067	U	0.067
		11/29/2023	NS		0.067	U	NS		NS		0.067	U	0.067	U	0.067	U	0.067
		12/14/2023	NS		0.067	U	NS		NS		0.067	U	0.067	U	0.067	U	0.067
		1/9/2024	NS		NS		NS		NS		0.067	U	0.067	U	0.067	U	0.067
		1/26/2024	NS		0.067	U	NS		NS		0.067	U	0.067	U	0.08		0.08
		2/8/2024	NS		0.1	U	NS		NS		0.13	U	0.1	U	0.13	U	0.13
		2/26/2023	NS		0.067	U	NS		NS		0.067	U	0.067	U	0.067	U	0.067
Bromoform	0.6	7/5/2023	NS		0.21	U	NS		NS		NS		NS		NS		NS
		7/24/2023	NS		NS		NS		NS		NS		NS		NS		NS
		9/15/2023	NS		0.21	U	NS		NS		NS		NS		NS		NS
		10/9/2023	0.21	U	0.21	U	0.21	U	0.21	U	NS		NS		NS		NS
		10/25/2023	NS		0.21		NS		NS		0.21	U	0.21	U	0.21	U	0.21
		11/15/2023	NS		0.21	U	NS		NS		0.21	U	0.21	U	0.21	U	0.21
		11/29/2023	NS		0.21	U	NS		NS		0.21	U	0.21	U	0.21	U	0.21
		12/14/2023	NS		0.21	U	NS		NS		0.21	U	0.21	U	0.21	U	0.21
		1/9/2024	NS		NS		NS		NS		0.21	U	0.21	U	0.21	U	0.21
		1/26/2024	NS		0.21	U	NS		NS		0.21	U	0.21	U	0.21	U	0.21
		2/8/2024	NS		0.31	U	NS		NS		0.41	U	0.31	U	0.41	U	0.41
		2/26/2023	NS		0.21	U	NS		NS		0.21	U	0.21	U	0.21	U	0.21
2-Butanone (MEK)	500.0	7/5/2023	NS		46		NS		NS		NS		NS		NS		NS
		7/24/2023	NS		NS		NS		NS		2.8		NS		2.5		2.5
		9/15/2023	NS		2.4	U	NS		NS		NS		NS		NS		NS
		10/9/2023	2.4	U	2.4	U	2.4	U	2.4	U	NS		NS		NS		NS
		10/25/2023	NS		8.1		NS		NS		12		2.4		25		25
		11/15/2023	NS		2.4	U	NS		NS		2.4	U	2.4	U	2.4	U	2.4
		11/29/2023	NS		2.4	U	NS		NS		2.4	U	2.4	U	2.4	U	2.4
		12/14/2023	NS		2.4	U	NS		NS		2.4	U	2.4	U	2.4	U	2.4
		1/9/2024	NS		NS		NS		NS		2.4	U	2.4	U	2.4	U	2.4
		1/26/2024	NS		2.4	U	NS		NS		2.4	U	2.4	U	2.4	U	2.4
		2/8/2024	NS		3.5	U	NS		NS		4.7	U	3.5	U	4.7	U	4.7
		2/26/2023	NS		2.4	U	NS		NS		2.4	U	2.4	U	2.4	U	2.4
n-Butylbenzene	73.0	7/5/2023	NS		0.32	U	NS		NS		NS		NS		NS		NS
		7/24/2023	NS		NS		NS		NS		NS		NS		NS		NS
		9/15/2023	NS		0.32	U	NS		NS		NS		NS		NS		NS
		10/9/2023	0.32	U	0.32	U	0.32	U	0.32	U	NS		NS		NS		NS
		10/25/2023	NS		0.32		NS		NS		0.32	U	0.32	U	0.32	U	0.32
		11/15/2023	NS		0.32	U	NS		NS		0.32	U	0.32	U	0.32	U	0.32
		11/29/2023	NS		0.32	U	NS		NS		0.32	U	0.32	U	0.32	U	0.32
		12/14/2023	NS		0.32	U	NS		NS		0.32	U	0.32	U	0.32	U	0.32
		1/9/2024	NS		NS		NS		NS		0.32	U	0.32	U	0.32	U	0.32
		1/26/2024	NS		0.32	U	NS		NS		0.32	U	0.32	U	0.32	U	0.32
		2/8/2024	NS		0.47	U	NS		NS		0.63	U	0.47	U	0.63	U	0.63
		2/26/2023	NS		0.32	U	NS		NS		0.32	U	0.32	U	0.32	U	0.32

**Summary of July 2023 - January 2024 Indoor Air Contingency Data - Volatile Organic Compounds  
J. Alvarez High School - Providence, Rhode Island**

Volatile Organic Compounds via TO-15 Laboratory Analysis	CT Draft Proposed Indoor Residential Target Air Concentration/ Interim RIDEM-Approved Action Level	Sample Date	Room 115		Room 116		Room 116 (Inside Wall)		Room 117		Room 145		Room 152		Kitchen Storage		
				Qual		Qual		Qual		Qual		Qual		Qual		Qual	
sec-Butylbenzene	73.0	7/5/2023	NS		0.25	U	NS		NS		NS		NS		NS		NS
		7/24/2023	NS		NS		NS		NS		NS		NS		NS		NS
		9/15/2023	NS		0.25	U	NS		NS		NS		NS		NS		NS
		10/9/2023	0.25	U	0.25	U	0.25	U	0.25	U	NS		NS		NS		NS
		10/25/2023	NS		0.25	U	NS		NS		0.25	U	0.25	U	0.25	U	0.25
		11/15/2023	NS		0.25	U	NS		NS		0.25	U	0.25	U	0.25	U	0.25
		11/29/2023	NS		0.25	U	NS		NS		0.25	U	0.25	U	0.25	U	0.25
		12/14/2023	NS		0.25	U	NS		NS		0.25	U	0.25	U	0.25	U	0.25
		1/9/2024	NS		NS		NS		NS		0.25	U	0.25	U	0.25	U	0.25
		1/26/2024	NS		0.25	U	NS		NS		0.25	U	0.25	U	0.25	U	0.25
		2/8/2024	NS		0.38	U	NS		NS		0.5	U	0.38	U	0.5	U	0.5
		2/26/2023	NS		0.25	U	NS		NS		NS		0.25	U	0.25	U	0.25
Carbon Tetrachloride	0.5	7/5/2023	NS		0.42		NS		NS		NS		NS		NS		NS
		7/24/2023	NS		NS		NS		NS		NS		NS		NS		NS
		9/15/2023	NS		0.48		NS		NS		NS		NS		NS		NS
		10/9/2023	0.48		0.45		0.55		0.5		NS		NS		NS		NS
		10/25/2023	NS		0.54		NS		NS		0.58		0.5		0.69		0.69
		11/15/2023	NS		0.45		NS		NS		0.45		0.43		0.47		0.47
		11/29/2023	NS		0.46		NS		NS		0.34		0.4		0.48		0.48
		12/14/2023	NS		0.42		NS		NS		0.42		0.42		0.4		0.4
		1/9/2024	NS		NS		NS		NS		0.51		0.46		0.48		0.48
		1/26/2024	NS		0.53		NS		NS		0.5		0.54		0.49		0.49
		2/8/2024	NS		0.51		NS		NS		0.46		0.49		0.51		0.51
		2/26/2023	NS		0.45		NS		NS		0.44		0.43		0.43		0.43
Chlorobenzene	37.0	7/5/2023	NS		0.5		NS		NS		NS		NS		NS		NS
		7/24/2023	NS		NS		NS		NS		NS		NS		NS		NS
		9/15/2023	NS		0.092	U	NS		NS		NS		NS		NS		NS
		10/9/2023	0.092	U	0.092	U	0.092	U	0.092	U	NS		NS		NS		NS
		10/25/2023	NS		0.092		NS		NS		0.092	U	0.092	U	0.092	U	0.092
		11/15/2023	NS		0.092	U	NS		NS		0.092	U	0.092	U	0.092	U	0.092
		11/29/2023	NS		0.092	U	NS		NS		0.092	U	0.092	U	0.092	U	0.092
		12/14/2023	NS		0.092	U	NS		NS		0.092	U	0.092	U	0.092	U	0.092
		1/9/2024	NS		NS		NS		NS		0.092	U	0.092	U	0.092	U	0.092
		1/26/2024	NS		0.092	U	NS		NS		0.092	U	0.092	U	0.092	U	0.092
		2/8/2024	NS		0.14	U	NS		NS		0.18	U	0.14	U	0.18	U	0.18
		2/26/2023	NS		0.092	U	NS		NS		0.092	U	0.092	U	0.092	U	0.092
Chloroethane	500.0	7/5/2023	NS		0.24		NS		NS		NS		NS		NS		NS
		7/24/2023	NS		NS		NS		NS		NS		NS		NS		NS
		9/15/2023	NS		0.053	U	NS		NS		NS		NS		NS		NS
		10/9/2023	0.053	U	0.053	U	0.053	U	0.053	U	NS		NS		NS		NS
		10/25/2023	NS		0.053		NS		NS		0.053	U	0.053	U	0.069		0.069
		11/15/2023	NS		0.053	U	NS		NS		0.053	U	0.053	U	0.053	U	0.053
		11/29/2023	NS		0.053	U	NS		NS		0.053	U	0.053	U	0.053	U	0.053
		12/14/2023	NS		0.053	U	NS		NS		0.053	U	0.053	U	0.053	U	0.053
		1/9/2024	NS		NS		NS		NS		0.053	U	0.053	U	0.053	U	0.053
		1/26/2024	NS		0.053	U	NS		NS		0.053	U	0.053	U	0.053	U	0.053
		2/8/2024	NS		0.079	U	NS		NS		0.11	U	0.079	U	0.11	U	0.11
		2/26/2023	NS		0.053	U	NS		NS		0.053	U	0.053	U	0.053	U	0.053
Chloroform	0.5	7/5/2023	NS		0.16		NS		NS		NS		NS		NS		NS
		7/24/2023	NS		NS		NS		NS		NS		NS		NS		NS
		9/15/2023	NS		0.14		NS		NS		NS		NS		NS		NS
		10/9/2023	0.094		0.092		0.1		0.088		NS		NS		NS		NS
		10/25/2023	NS		0.55		NS		NS		0.72		0.21		1.6		1.6
		11/15/2023	NS		0.12		NS		NS		0.09		0.16		0.78		0.78
		11/29/2023	NS		0.08		NS		NS		0.078		0.11		0.37		0.37
		12/14/2023	NS		0.064		NS		NS		0.072		0.098		0.32		0.32
		1/9/2024	NS		NS		NS		NS		0.17		0.3		0.64		0.64
		1/26/2024	NS		0.19		NS		NS		0.18		0.16		0.93		0.93
		2/8/2024	NS		0.16		NS		NS		0.098	U	0.11		0.78		0.78
		2/26/2023	NS		0.092		NS		NS		0.092	U	0.09		0.81		0.81
Chloromethane	14.0	7/5/2023	NS		6.8		NS		NS		NS		NS		NS		NS
		7/24/2023	NS		NS		NS		NS		NS		NS		NS		NS
		9/15/2023	NS		0.98		NS		NS		NS		NS		NS		NS
		10/9/2023	0.89		0.96		1.1		0.91		NS		NS		NS		NS
		10/25/2023	NS		1.4		NS		NS		1.4		1.8		1.3		1.3
		11/15/2023	NS		0.78		NS		NS		0.79		0.83		0.85		0.85
		11/29/2023	NS		0.81		NS		NS		0.84		0.86		0.86		0.86
		12/14/2023	NS		1		NS		NS		1		1		1		1
		1/9/2024	NS		NS		NS		NS		0.91		0.93		0.91		0.91
		1/26/2024	NS		1.2		NS		NS		1.6		1.1		1.2		1.2
		2/8/2024	NS		1.3		NS		NS		1.2		1.2		1.2		1.2
		2/26/2023	NS		1.2		NS		NS		1.2		1.2		1.3		1.3
Dibromochloromethane	None	7/5/2023	NS		0.085	U	NS		NS		NS		NS		NS		NS
		7/24/2023	NS		NS		NS		NS		NS		NS		NS		NS
		9/15/2023	NS		0.085	U	NS		NS		NS		NS		NS		NS
		10/9/2023	0.085	U	0.085	U	0.085	U	0.085	U	NS		NS		NS		NS
		10/25/2023	NS		0.085		NS		NS		0.085	U	0.085	U	0.085	U	0.085
		11/15/2023	NS		0.085	U	NS		NS		0.085	U	0.085	U	0.085	U	0.085
		11/29/2023	NS		0.085	U	NS		NS		0.085	U	0.085	U	0.085	U	0.085
		12/14/2023	NS		0.085	U	NS		NS		0.085	U	0.085	U	0.085	U	0.085
		1/9/2024	NS		NS		NS		NS		0.085	U	0.085	U	0.085	U	0.085
		1/26/2024	NS		0.085	U	NS		NS		0.085	U	0.085	U	0.085	U	0.085
		2/8/2024	NS		0.13	U	NS		NS		0.17	U	0.13	U	0.17	U	0.17
		2/26/2023	NS		0.085	U	NS		NS		0.085	U	0.085	U	0.085	U	0.085



**Summary of July 2023 - January 2024 Indoor Air Contingency Data - Volatile Organic Compounds  
J. Alvarez High School - Providence, Rhode Island**

Volatile Organic Compounds via TO-15 Laboratory Analysis	CT Draft Proposed Indoor Residential Target Air Concentration/ Interim RIDEM-Approved Action Level	Sample Date	Room 115		Room 116		Room 116 (Inside Wall)		Room 117		Room 145		Room 152		Kitchen Storage		
				Qual		Qual		Qual		Qual		Qual		Qual		Qual	
1,2-Dibromoethane (EDB)	0.0028/0.15	7/5/2023	NS		0.077	U	NS		NS		NS		NS		NS		NS
		7/24/2023	NS		NS		NS		NS		NS		NS		NS		NS
		9/15/2023	NS		0.077	U	NS		NS		NS		NS		NS		NS
		10/9/2023	0.077	U	0.077	U	0.077	U	0.077	U	NS		NS		NS		NS
		10/25/2023	NS		0.077	U	NS		NS		0.077	U	0.077	U	0.077	U	0.077
		11/15/2023	NS		0.077	U	NS		NS		0.077	U	0.077	U	0.077	U	0.077
		11/29/2023	NS		0.077	U	NS		NS		0.077	U	0.077	U	0.077	U	0.077
		12/14/2023	NS		0.077	U	NS		NS		0.077	U	0.077	U	0.077	U	0.077
		1/9/2024	NS		NS		NS		NS		0.077	U	0.077	U	0.077	U	0.077
		1/26/2024	NS		0.077	U	NS		NS		0.077	U	0.077	U	0.077	U	0.077
		2/8/2024	NS		0.12	U	NS		NS		NS		0.12	U	0.12	U	0.12
		2/26/2023	NS		0.077	U	NS		NS		NS		0.077	U	0.077	U	0.077
		1,2-Dichlorobenzene	73.0	7/5/2023	NS		0.12	U	NS		NS		NS		NS		NS
7/24/2023	NS				NS		NS		NS		NS		NS		NS		NS
9/15/2023	NS				0.12	U	NS		NS		NS		NS		NS		NS
10/9/2023	0.12			U	0.12	U	0.12	U	0.12	U	NS		NS		NS		NS
10/25/2023	NS				0.12	U	NS		NS		0.12	U	0.12	U	0.12	U	0.12
11/15/2023	NS				0.12	U	NS		NS		0.12	U	0.12	U	0.12	U	0.12
11/29/2023	NS				0.12	U	NS		NS		0.12	U	0.12	U	0.12	U	0.12
12/14/2023	NS				0.12	U	NS		NS		0.12	U	0.12	U	0.12	U	0.12
1/9/2024	NS				NS		NS		NS		0.12	U	0.12	U	0.12	U	0.12
1/26/2024	NS				0.12	U	NS		NS		0.12	U	0.12	U	0.12	U	0.12
2/8/2024	NS				0.18	U	NS		NS		0.24	U	0.18	U	0.18	U	0.24
2/26/2023	NS				0.12	U	NS		NS		0.12	U	0.12	U	0.12	U	0.12
1,3-Dichlorobenzene	73.0			7/5/2023	NS		26	U	NS		NS		NS		NS		NS
		7/24/2023	NS		NS		NS		NS		NS		NS		NS		NS
		9/15/2023	NS		0.12	U	NS		NS		NS		NS		NS		NS
		10/9/2023	0.12	U	0.12	U	0.12	U	0.12	U	NS		NS		NS		NS
		10/25/2023	NS		0.12	U	NS		NS		0.12	U	0.12	U	0.12	U	0.12
		11/15/2023	NS		0.12	U	NS		NS		0.12	U	0.12	U	0.12	U	0.12
		11/29/2023	NS		0.12	U	NS		NS		0.12	U	0.12	U	0.12	U	0.12
		12/14/2023	NS		0.12	U	NS		NS		0.12	U	0.12	U	0.12	U	0.12
		1/9/2024	NS		NS		NS		NS		0.12	U	0.12	U	0.12	U	0.12
		1/26/2024	NS		0.12	U	NS		NS		0.12	U	0.12	U	0.12	U	0.12
		2/8/2024	NS		0.18	U	NS		NS		0.24	U	0.18	U	0.18	U	0.24
		2/26/2023	NS		0.12	U	NS		NS		0.12	U	0.12	U	0.12	U	0.12
		1,4-Dichlorobenzene	24.0	7/5/2023	NS		0.12	U	NS		NS		NS		NS		NS
7/24/2023	NS				NS		NS		NS		NS		NS		NS		NS
9/15/2023	NS				0.83		NS		NS		NS		NS		NS		NS
10/9/2023	0.12			U	0.12	U	0.12	U	0.12	U	NS		NS		NS		NS
10/25/2023	NS				0.12	U	NS		NS		0.14	U	0.38		0.13		0.13
11/15/2023	NS				0.12	U	NS		NS		0.12	U	0.23		0.21		0.21
11/29/2023	NS				0.12	U	NS		NS		0.12	U	0.12	U	0.12	U	0.12
12/14/2023	NS				0.12	U	NS		NS		0.12	U	0.12	U	0.12	U	0.12
1/9/2024	NS				NS		NS		NS		0.12	U	0.2		0.37		0.37
1/26/2024	NS				0.12	U	NS		NS		0.21	U	0.12	U	0.43		0.43
2/8/2024	NS				0.25	U	NS		NS		0.24	U	0.18	U	0.24		0.24
2/26/2023	NS				0.12	U	NS		NS		0.12	U	0.12	U	0.13		0.13
Dichlorodifluoromethane (Freon 12)	91.0			7/5/2023	NS		0.63	U	NS		NS		NS		NS		NS
		7/24/2023	NS		NS		NS		NS		NS		NS		NS		NS
		9/15/2023	NS		0.71		NS		NS		NS		NS		NS		NS
		10/9/2023	1.8		2.1		2.2		2.1		NS		NS		NS		NS
		10/25/2023	NS		1.1		NS		NS		1.1		1.3		0.91		0.91
		11/15/2023	NS		0.81		NS		NS		0.82		0.76		0.83		0.83
		11/29/2023	NS		2.1		NS		NS		2.2		2.1		2.2		2.2
		12/14/2023	NS		0.65		NS		NS		0.66		0.65		0.66		0.66
		1/9/2024	NS		NS		NS		NS		1.1		1		1		1
		1/26/2024	NS		1.1		NS		NS		1.5		1.1		1.1		1.1
		2/8/2024	NS		1.2		NS		NS		1.3		1.3		1.3		1.3
		2/26/2023	NS		0.75		NS		NS		0.85		0.81		0.82		0.82
		1,1-Dichloroethane	77.0	7/5/2023	NS		0.04	U	NS		NS		NS		NS		NS
7/24/2023	NS				NS		NS		NS		NS		NS		NS		NS
9/15/2023	NS				0.04	U	NS		NS		NS		NS		NS		NS
10/9/2023	0.04			U	0.04	U	0.04	U	0.04	U	NS		NS		NS		NS
10/25/2023	NS				0.04	U	NS		NS		0.04	U	0.04	U	0.04	U	0.04
11/15/2023	NS				0.04	U	NS		NS		0.04	U	0.04	U	0.04	U	0.04
11/29/2023	NS				0.04	U	NS		NS		0.04	U	0.04	U	0.04	U	0.04
12/14/2023	NS				0.04	U	NS		NS		0.04	U	0.04	U	0.04	U	0.04
1/9/2024	NS				NS		NS		NS		0.04	U	0.04	U	0.04	U	0.04
1/26/2024	NS				0.04	U	NS		NS		0.04	U	0.04	U	0.04	U	0.04
2/8/2024	NS				0.061	U	NS		NS		0.081	U	0.061	U	0.081	U	0.081
2/26/2023	NS				0.04	U	NS		NS		0.04	U	0.04	U	0.04	U	0.04
1,2-Dichloroethane	0.07/0.08			7/5/2023	NS		0.057		NS		NS		NS		NS		NS
		7/24/2023	NS		NS		NS		NS		NS		NS		NS		NS
		9/15/2023	NS		0.042		NS		NS		NS		NS		NS		NS
		10/9/2023	0.04	U	0.04	U	0.04	U	0.04	U	NS		NS		NS		NS
		10/25/2023	NS		0.1		NS		NS		0.12		0.07		0.21		0.21
		11/15/2023	NS		0.063		NS		NS		0.071		0.076		0.074		0.074
		11/29/2023	NS		0.063		NS		NS		0.062		0.087		0.065		0.065
		12/14/2023	NS		0.068		NS		NS		0.073		0.07		0.073		0.073
		1/9/2024	NS		NS		NS		NS		0.1		0.11		0.11		0.11
		1/26/2024	NS		0.091		NS		NS		0.13		0.094		0.086		0.086
		2/8/2024	NS		0.092		NS		NS		0.081	U	0.087		0.087		0.087
		2/26/2023	NS		0.079		NS		NS		0.076		0.071		0.092		0.092

**Summary of July 2023 - January 2024 Indoor Air Contingency Data - Volatile Organic Compounds  
J. Alvarez High School - Providence, Rhode Island**

Volatile Organic Compounds via TO-15 Laboratory Analysis	CT Draft Proposed Indoor Residential Target Air Concentration/ Interim RIDEM-Approved Action Level	Sample Date	Room 115		Room 116		Room 116 (Inside Wall)		Room 117		Room 145		Room 152		Kitchen Storage		
				Qual		Qual		Qual		Qual		Qual		Qual		Qual	
1,1-Dichloroethylene	10.0	7/5/2023	NS		0.04	U	NS		NS		NS		NS		NS		NS
		7/24/2023	NS		NS	U	NS		NS		NS		NS		NS		NS
		9/15/2023	NS		0.04	U	NS		NS		NS		NS		NS		NS
		10/9/2023	0.04	U	0.04	U	0.04	U	0.04	U	NS		NS		NS		NS
		10/25/2023	NS		0.04	U	NS		NS		0.04	U	0.04	U	0.04	U	0.079
		11/15/2023	NS		0.04	U	NS		NS		0.04	U	0.04	U	0.04	U	0.04
		11/29/2023	NS		0.04	U	NS		NS		0.04	U	0.04	U	0.04	U	0.04
		12/14/2023	NS		0.04	U	NS		NS		0.04	U	0.04	U	0.04	U	0.04
		1/9/2024	NS		NS	U	NS		NS		0.04	U	0.04	U	0.04	U	0.04
		1/26/2024	NS		0.04	U	NS		NS		0.04	U	0.04	U	0.04	U	0.04
		2/8/2024	NS		0.059	U	NS		NS		0.079	U	0.059	U	0.059	U	0.079
		2/26/2023	NS		0.04	U	NS		NS		NS		0.04	U	0.04	U	0.04
		cis-1,2-Dichloroethylene	18.0	7/5/2023	NS		0.04	U	NS		NS		NS		NS		NS
7/24/2023	NS				NS	U	NS		NS		NS		NS		NS		NS
9/15/2023	NS				0.04	U	NS		NS		NS		NS		NS		NS
10/9/2023	0.04			U	0.04	U	0.04	U	0.04	U	NS		NS		NS		NS
10/25/2023	NS				0.04	U	NS		NS		0.04	U	0.04	U	0.04	U	0.04
11/15/2023	NS				0.04	U	NS		NS		0.04	U	0.04	U	0.04	U	0.04
11/29/2023	NS				0.04	U	NS		NS		0.04	U	0.04	U	0.04	U	0.04
12/14/2023	NS				0.04	U	NS		NS		0.04	U	0.04	U	0.04	U	0.04
1/9/2024	NS				NS	U	NS		NS		0.04	U	0.04	U	0.04	U	0.04
1/26/2024	NS				0.04	U	NS		NS		0.04	U	0.04	U	0.04	U	0.04
2/8/2024	NS				0.059	U	NS		NS		0.079	U	0.059	U	0.059	U	0.079
2/26/2023	NS				0.04	U	NS		NS		NS		0.04	U	0.04	U	0.04
trans-1,2-Dichloroethylene	37.0			7/5/2023	NS		0.04	U	NS		NS		NS		NS		NS
		7/24/2023	NS		NS	U	NS		NS		NS		NS		NS		NS
		9/15/2023	NS		0.04	U	NS		NS		NS		NS		NS		NS
		10/9/2023	0.04	U	0.04	U	0.04	U	0.04	U	NS		NS		NS		NS
		10/25/2023	NS		0.13	U	NS		NS		0.13	U	0.11	U	0.19	U	0.19
		11/15/2023	NS		0.04	U	NS		NS		0.04	U	0.04	U	0.04	U	0.04
		11/29/2023	NS		0.04	U	NS		NS		0.04	U	0.07	U	0.04	U	0.04
		12/14/2023	NS		0.04	U	NS		NS		0.04	U	0.04	U	0.04	U	0.04
		1/9/2024	NS		NS	U	NS		NS		0.04	U	0.04	U	0.04	U	0.04
		1/26/2024	NS		0.04	U	NS		NS		0.04	U	0.04	U	0.04	U	0.041
		2/8/2024	NS		0.059	U	NS		NS		0.079	U	0.059	U	0.059	U	0.079
		2/26/2023	NS		0.04	U	NS		NS		NS		0.04	U	0.04	U	0.04
		1,2-Dichloropropane	0.1	7/5/2023	NS		0.046	U	NS		NS		NS		NS		NS
7/24/2023	NS				NS	U	NS		NS		NS		NS		NS		NS
9/15/2023	NS				0.046	U	NS		NS		NS		NS		NS		NS
10/9/2023	0.046			U	0.046	U	0.046	U	0.046	U	NS		NS		NS		NS
10/25/2023	NS				0.38	U	NS		NS		0.51	U	0.046	U	2.3	U	2.3
11/15/2023	NS				0.046	U	NS		NS		0.046	U	0.046	U	0.046	U	0.046
11/29/2023	NS				0.046	U	NS		NS		0.046	U	0.046	U	0.046	U	0.046
12/14/2023	NS				0.046	U	NS		NS		0.046	U	0.046	U	0.046	U	0.046
1/9/2024	NS				NS	U	NS		NS		0.046	U	0.046	U	0.046	U	0.046
1/26/2024	NS				0.046	U	NS		NS		0.046	U	0.046	U	0.046	U	0.046
2/8/2024	NS				0.069	U	NS		NS		0.092	U	0.069	U	0.069	U	0.092
2/26/2023	NS				0.046	U	NS		NS		0.046	U	0.046	U	0.046	U	0.046
1,3-Dichloropropane	None			7/5/2023	NS		0.25	U	NS		NS		NS		NS		NS
		7/24/2023	NS		NS	U	NS		NS		NS		NS		NS		NS
		9/15/2023	NS		0.25	U	NS		NS		NS		NS		NS		NS
		10/9/2023	0.25	U	0.25	U	0.25	U	0.25	U	NS		NS		NS		NS
		10/25/2023	NS		0.25	U	NS		NS		0.25	U	0.25	U	0.25	U	0.25
		11/15/2023	NS		0.25	U	NS		NS		0.25	U	0.25	U	0.25	U	0.25
		11/29/2023	NS		0.25	U	NS		NS		0.25	U	0.25	U	0.25	U	0.25
		12/14/2023	NS		0.25	U	NS		NS		0.25	U	0.25	U	0.25	U	0.25
		1/9/2024	NS		NS	U	NS		NS		0.25	U	0.25	U	0.25	U	0.25
		1/26/2024	NS		0.25	U	NS		NS		0.25	U	0.25	U	0.25	U	0.25
		2/8/2024	NS		0.37	U	NS		NS		0.5	U	0.37	U	0.5	U	0.5
		2/26/2023	NS		0.25	U	NS		NS		0.25	U	0.25	U	0.25	U	0.25
		cis-1,3-Dichloropropene	None	7/5/2023	NS		0.045	U	NS		NS		NS		NS		NS
7/24/2023	NS				NS	U	NS		NS		NS		NS		NS		NS
9/15/2023	NS				0.045	U	NS		NS		NS		NS		NS		NS
10/9/2023	0.045			U	0.045	U	0.045	U	0.045	U	NS		NS		NS		NS
10/25/2023	NS				0.045	U	NS		NS		0.045	U	0.045	U	0.045	U	0.045
11/15/2023	NS				0.045	U	NS		NS		0.045	U	0.045	U	0.045	U	0.045
11/29/2023	NS				0.045	U	NS		NS		0.045	U	0.045	U	0.045	U	0.045
12/14/2023	NS				0.045	U	NS		NS		0.045	U	0.045	U	0.045	U	0.045
1/9/2024	NS				NS	U	NS		NS		0.045	U	0.045	U	0.045	U	0.045
1/26/2024	NS				0.045	U	NS		NS		0.045	U	0.045	U	0.045	U	0.045
2/8/2024	NS				0.068	U	NS		NS		0.091	U	0.068	U	0.091	U	0.091
2/26/2023	NS				0.045	U	NS		NS		0.045	U	0.045	U	0.045	U	0.045
trans-1,3-Dichloropropene	None			7/5/2023	NS		0.045	U	NS		NS		NS		NS		NS
		7/24/2023	NS		NS	U	NS		NS		NS		NS		NS		NS
		9/15/2023	NS		0.045	U	NS		NS		NS		NS		NS		NS
		10/9/2023	0.045	U	0.045	U	0.045	U	0.045	U	NS		NS		NS		NS
		10/25/2023	NS		0.045	U	NS		NS		0.045	U	0.045	U	0.045	U	0.045
		11/15/2023	NS		0.045	U	NS		NS		0.045	U	0.045	U	0.045	U	0.045
		11/29/2023	NS		0.045	U	NS		NS		0.045	U	0.045	U	0.045	U	0.045
		12/14/2023	NS		0.045	U	NS		NS		0.045	U	0.045	U	0.045	U	0.045
		1/9/2024	NS		NS	U	NS		NS		0.045	U	0.045	U	0.045	U	0.045
		1/26/2024	NS		0.045	U	NS		NS		0.045	U	0.045	U	0.045	U	0.045
		2/8/2024	NS		0.068	U	NS		NS		0.091	U	0.068	U	0.091	U	0.091
		2/26/2023	NS		0.045	U	NS		NS		0.045	U	0.045	U	0.045	U	0.045

**Summary of July 2023 - January 2024 Indoor Air Contingency Data - Volatile Organic Compounds  
J. Alvarez High School - Providence, Rhode Island**

Volatile Organic Compounds via TO-15 Laboratory Analysis	CT Draft Proposed Indoor Residential Target Air Concentration/ Interim RIDEM-Approved Action Level	Sample Date	Room 115		Room 116		Room 116 (Inside Wall)		Room 117		Room 145		Room 152		Kitchen Storage	
				Qual		Qual		Qual		Qual		Qual		Qual		Qual
Ethylbenzene	53.0	7/5/2023	NS		1.2		NS		NS		NS		NS		NS	
		7/24/2023	NS		NS		NS		NS		NS		NS		NS	
		9/15/2023	NS		0.14		NS		NS		NS		NS		NS	
		10/9/2023	0.087	U	0.087	U	0.44		0.087	U	NS		NS		NS	
		10/25/2023	NS		1.1		NS		NS		1.5		0.31		2.9	
		11/15/2023	NS		0.19		NS		NS		0.13		0.32		0.18	
		11/29/2023	NS		0.087	U	NS		NS		0.087	U	0.32		0.087	U
		12/14/2023	NS		0.087	U	NS		NS		0.12		0.087	U	0.12	
		1/9/2024	NS		NS		NS		NS		0.25		0.55		0.38	
		1/26/2024	NS		0.19		NS		NS		0.18		0.18		0.15	
		2/8/2024	NS		0.35		NS		NS		0.17	U	0.3		0.24	
		2/26/2023	NS		0.092		NS		NS		0.22		0.22		0.14	
		Isopropylbenzene (Cumene)	120.0	7/5/2023	NS		0.25	U	NS		NS		NS		NS	
7/24/2023	NS				NS		NS		NS		NS		NS		NS	
9/15/2023	NS				0.25	U	NS		NS		NS		NS		NS	
10/9/2023	0.25			U	0.25	U	0.25	U	0.25	U	NS		NS		NS	
10/25/2023	NS				0.25	U	NS		NS		0.25	U	0.25	U	0.25	
11/15/2023	NS				0.25	U	NS		NS		0.25	U	0.25	U	0.25	U
11/29/2023	NS				0.25	U	NS		NS		0.25	U	0.25	U	0.25	U
12/14/2023	NS				0.25	U	NS		NS		0.25	U	0.25	U	0.25	U
1/9/2024	NS				NS		NS		NS		0.25	U	0.25	U	0.25	U
1/26/2024	NS				0.25	U	NS		NS		0.25	U	0.25	U	0.25	U
2/8/2024	NS				0.37	U	NS		NS		0.5	U	0.37	U	0.5	U
2/26/2023	NS				0.25	U	NS		NS		0.25	U	0.25	U	0.25	U
p-Isopropyltoluene (p-Cymene)	67.0			7/5/2023	NS		0.34		NS		NS		NS		NS	
		7/24/2023	NS		NS		NS		NS		NS		NS		NS	
		9/15/2023	NS		0.25	U	NS		NS		NS		NS		NS	
		10/9/2023	0.25	U	0.25	U	0.25	U	0.25	U	NS		NS		NS	
		10/25/2023	NS		0.25	U	NS		NS		0.25	U	0.25	U	0.25	
		11/15/2023	NS		0.25	U	NS		NS		0.25	U	0.25	U	0.25	U
		11/29/2023	NS		0.25	U	NS		NS		0.25	U	0.25	U	0.25	U
		12/14/2023	NS		0.25	U	NS		NS		0.25	U	0.25	U	0.25	U
		1/9/2024	NS		NS		NS		NS		0.25	U	0.25	U	0.25	U
		1/26/2024	NS		0.25	U	NS		NS		0.25	U	0.25	U	0.25	U
		2/8/2024	NS		0.38	U	NS		NS		0.5	U	0.38	U	0.5	U
		2/26/2023	NS		0.25	U	NS		NS		0.25	U	0.25	U	0.25	U
		Methyl tert-Butyl Ether (MTBE)	160.0	7/5/2023	NS		0.072	U	NS		NS		NS		NS	
7/24/2023	NS				NS		NS		NS		NS		NS		NS	
9/15/2023	NS				0.072	U	NS		NS		NS		NS		NS	
10/9/2023	0.072			U	0.072	U	0.072	U	0.072	U	NS		NS		NS	
10/25/2023	NS				0.072	U	NS		NS		0.072	U	0.072	U	0.072	U
11/15/2023	NS				0.072	U	NS		NS		0.072	U	0.072	U	0.072	U
11/29/2023	NS				0.072	U	NS		NS		0.072	U	0.072	U	0.072	U
12/14/2023	NS				0.072	U	NS		NS		0.072	U	0.072	U	0.072	U
1/9/2024	NS				NS		NS		NS		0.072	U	0.072	U	0.072	U
1/26/2024	NS				0.072	U	NS		NS		0.072	U	0.072	U	0.072	U
2/8/2024	NS				0.11	U	NS		NS		0.14	U	0.11	U	0.14	U
2/26/2023	NS				0.072	U	NS		NS		0.072	U	0.072	U	0.072	U
Methylene Chloride	3.0			7/5/2023	NS		0.69	U	NS		NS		NS		NS	
		7/24/2023	NS		NS		NS		NS		NS		NS		NS	
		9/15/2023	NS		0.69	U	NS		NS		NS		NS		NS	
		10/9/2023	0.69	U	0.69	U	0.69	U	0.69	U	NS		NS		NS	
		10/25/2023	NS		1.9		NS		NS		2.6		0.69	U	5	
		11/15/2023	NS		0.69	U	NS		NS		0.69	U	0.69	U	0.69	U
		11/29/2023	NS		0.69	U	NS		NS		0.69	U	0.69	U	0.69	U
		12/14/2023	NS		0.69	U	NS		NS		0.69	U	0.69	U	0.69	U
		1/9/2024	NS		NS		NS		NS		0.69	U	0.69	U	0.69	U
		1/26/2024	NS		0.69	U	NS		NS		0.69	U	0.69	U	0.69	U
		2/8/2024	NS		1	U	NS		NS		1.4	U	1	U	1.4	U
		2/26/2024	NS		0.69	U	NS		NS		0.69	U	0.69	U	0.69	U
		4-Methyl-2-pentanone (MIBK)	37.0	7/5/2023	NS		0.92		NS		NS		NS		NS	
7/24/2023	NS				NS		NS		NS		NS		NS		NS	
9/15/2023	NS				0.082	U	NS		NS		NS		NS		NS	
10/9/2023	0.082			U	0.082	U	1.5		0.082	U	NS		NS		NS	
10/25/2023	NS				1.7		NS		NS		12		0.13		6	
11/15/2023	NS				0.12		NS		NS		0.15		0.15		0.23	
11/29/2023	NS				0.082	U	NS		NS		0.082	U	0.082	U	0.082	U
12/14/2023	NS				0.082	U	NS		NS		0.082	U	0.082	U	0.082	U
1/9/2024	NS				NS		NS		NS		0.34		0.098		0.21	
1/26/2024	NS				0.082	U	NS		NS		0.082	U	0.085		0.082	U
2/8/2024	NS				0.12	U	NS		NS		0.16	U	0.12	U	0.16	U
2/26/2023	NS				0.12	U	NS		NS		0.11		0.19		0.13	
Styrene	52.0			7/5/2023	NS		0.42		NS		NS		NS		NS	
		7/24/2023	NS		NS		NS		NS		NS		NS		NS	
		9/15/2023	NS		0.1		NS		NS		NS		NS		NS	
		10/9/2023	0.085	U	0.085	U	0.16		0.085	U	NS		NS		NS	
		10/25/2023	NS		2.1		NS		NS		4.4		0.22		4.2	
		11/15/2023	NS		0.085	U	NS		NS		0.085	U	0.15		0.24	
		11/29/2023	NS		0.085	U	NS		NS		0.085	U	1.1		0.12	
		12/14/2023	NS		0.085	U	NS		NS		0.085	U	0.085	U	0.99	
		1/9/2024	NS		NS		NS		NS		0.085	U	0.16		0.35	
		1/26/2024	NS		0.12		NS		NS		0.099		0.11		0.29	
		2/8/2024	NS		0.13	U	NS		NS		0.17	U	0.13	U	0.23	
		2/26/2023	NS		0.085	U	NS		NS		0.085	U	0.089		0.3	

**Summary of July 2023 - January 2024 Indoor Air Contingency Data - Volatile Organic Compounds  
J. Alvarez High School - Providence, Rhode Island**

Volatile Organic Compounds via TO-15 Laboratory Analysis	CT Draft Proposed Indoor Residential Target Air Concentration/ Interim RIDEM-Approved Action Level	Sample Date	Room 115		Room 116		Room 116 (Inside Wall)		Room 117		Room 145		Room 152		Kitchen Storage			
				Qual		Qual		Qual		Qual		Qual		Qual		Qual		
1,1,1,2-Tetrachloroethane	0.082/0.14	7/5/2023	NS		0.25	U	NS		NS		NS		NS		NS		NS	
		7/24/2023	NS		NS	U	NS		NS		NS		NS		NS		NS	
		9/15/2023	NS		0.25	U	NS		NS		NS		NS		NS		NS	
		10/9/2023	0.25	U	0.25	U	0.25	U	0.25	U	NS		NS		NS		NS	
		10/25/2023	NS		0.25	U	NS		NS		0.25	U	0.25	U	0.25	U	0.25	U
		11/15/2023	NS		0.25	U	NS		NS		0.25	U	0.25	U	0.25	U	0.25	U
		11/29/2023	NS		0.25	U	NS		NS		0.25	U	0.25	U	0.25	U	0.25	U
		12/14/2023	NS		0.25	U	NS		NS		0.25	U	0.25	U	0.25	U	0.25	U
		1/9/2024	NS		NS	U	NS		NS		0.25	U	0.25	U	0.25	U	0.25	U
		1/26/2024	NS		0.25	U	NS		NS		0.25	U	0.25	U	0.25	U	0.25	U
		2/8/2024	NS		0.37	U	NS		NS		0.5	U	0.37	U	0.5	U	0.5	U
		2/26/2023	NS		0.25	U	NS		NS		NS		0.25	U	0.25	U	0.25	U
1,1,2,2-Tetrachloroethane	0.011/0.14	7/5/2023	NS		0.069	U	NS		NS		NS		NS		NS		NS	
		7/24/2023	NS		NS	U	NS		NS		NS		NS		NS		NS	
		9/15/2023	NS		0.069	U	NS		NS		NS		NS		NS		NS	
		10/9/2023	0.069	U	0.069	U	0.069	U	0.069	U	NS		NS		NS		NS	
		10/25/2023	NS		0.069	U	NS		NS		0.069	U	0.069	U	0.069	U	0.069	U
		11/15/2023	NS		0.069	U	NS		NS		0.069	U	0.069	U	0.069	U	0.069	U
		11/29/2023	NS		0.069	U	NS		NS		0.069	U	0.069	U	0.069	U	0.069	U
		12/14/2023	NS		0.069	U	NS		NS		0.069	U	0.069	U	0.069	U	0.069	U
		1/9/2024	NS		NS	U	NS		NS		0.069	U	0.069	U	0.069	U	0.069	U
		1/26/2024	NS		0.069	U	NS		NS		0.069	U	0.069	U	0.069	U	0.069	U
		2/8/2024	NS		0.1	U	NS		NS		0.14	U	0.1	U	0.14	U	0.14	U
		2/26/2023	NS		0.069	U	NS		NS		NS		0.069	U	0.069	U	0.069	U
Tetrachloroethylene	5.0	7/5/2023	NS		0.18	U	NS		NS		NS		NS		NS		NS	
		7/24/2023	NS		NS	U	NS		NS		NS		NS		NS		NS	
		9/15/2023	NS		0.14	U	NS		NS		NS		NS		NS		NS	
		10/9/2023	0.14	U	0.14	U	0.14	U	0.14	U	NS		NS		NS		NS	
		10/25/2023	NS		1.6	U	NS		NS		2		0.59		3.7		3.7	
		11/15/2023	NS		0.21	U	NS		NS		0.14	U	0.27		0.24		0.24	
		11/29/2023	NS		0.14	U	NS		NS		0.14	U	2.8		0.14		0.14	
		12/14/2023	NS		0.14	U	NS		NS		0.14	U	0.14	U	0.14	U	0.14	
		1/9/2024	NS		NS	U	NS		NS		2.7		0.96		1.3		1.3	
		1/26/2024	NS		0.14	U	NS		NS		0.14	U	0.14	U	0.17		0.17	
		2/8/2024	NS		0.23	U	NS		NS		0.27	U	0.22		0.27		0.27	
		2/26/2023	NS		0.14	U	NS		NS		0.25	U	0.26		0.33		0.33	
Toluene	210.0	7/5/2023	NS		1.4	U	NS		NS		NS		NS		NS		NS	
		7/24/2023	NS		NS	U	NS		NS		NS		NS		NS		NS	
		9/15/2023	NS		0.67	U	NS		NS		NS		NS		NS		NS	
		10/9/2023	0.3	U	0.29	U	0.95	U	0.29	U	NS		NS		NS		NS	
		10/25/2023	NS		16	U	NS		NS		23		2.4		50		50	
		11/15/2023	NS		1	U	NS		NS		0.73		1.7		0.99		0.99	
		11/29/2023	NS		0.66	U	NS		NS		0.48		2.1		0.45		0.45	
		12/14/2023	NS		0.28	U	NS		NS		0.48		0.4		0.41		0.41	
		1/9/2024	NS		NS	U	NS		NS		3.2		3.7		3.1		3.1	
		1/26/2024	NS		0.9	U	NS		NS		0.88		0.94		0.81		0.81	
		2/8/2024	NS		2.7	U	NS		NS		0.8		1.4		1.4		1.4	
		2/26/2023	NS		0.62	U	NS		NS		1.4		1.4		1.3		1.3	
1,1,1-Trichloroethane	500.0	7/5/2023	NS		0.055	U	NS		NS		NS		NS		NS		NS	
		7/24/2023	NS		NS	U	NS		NS		NS		NS		NS		NS	
		9/15/2023	NS		0.055	U	NS		NS		NS		NS		NS		NS	
		10/9/2023	0.055	U	0.055	U	0.055	U	0.055	U	NS		NS		NS		NS	
		10/25/2023	NS		0.055	U	NS		NS		0.055	U	0.055	U	0.055	U	0.055	
		11/15/2023	NS		0.055	U	NS		NS		0.055	U	0.055	U	0.055	U	0.055	
		11/29/2023	NS		0.055	U	NS		NS		0.055	U	0.055	U	0.055	U	0.055	
		12/14/2023	NS		0.055	U	NS		NS		0.055	U	0.055	U	0.055	U	0.055	
		1/9/2024	NS		NS	U	NS		NS		0.055	U	0.055	U	0.055	U	0.055	
		1/26/2024	NS		0.055	U	NS		NS		0.055	U	0.055	U	0.055	U	0.055	
		2/8/2024	NS		0.082	U	NS		NS		0.11	U	0.082	U	0.11	U	0.11	
		2/26/2023	NS		0.055	U	NS		NS		0.055	U	0.055	U	0.055	U	0.055	
1,1,2-Trichloroethane	2.2	7/5/2023	NS		0.055	U	NS		NS		NS		NS		NS		NS	
		7/24/2023	NS		NS	U	NS		NS		NS		NS		NS		NS	
		9/15/2023	NS		0.055	U	NS		NS		NS		NS		NS		NS	
		10/9/2023	0.055	U	0.055	U	0.055	U	0.055	U	NS		NS		NS		NS	
		10/25/2023	NS		0.055	U	NS		NS		0.055	U	0.055	U	0.055	U	0.055	
		11/15/2023	NS		0.055	U	NS		NS		0.055	U	0.055	U	0.055	U	0.055	
		11/29/2023	NS		0.055	U	NS		NS		0.055	U	0.055	U	0.055	U	0.055	
		12/14/2023	NS		0.055	U	NS		NS		0.055	U	0.055	U	0.055	U	0.055	
		1/9/2024	NS		NS	U	NS		NS		0.055	U	0.055	U	0.055	U	0.055	
		1/26/2024	NS		0.055	U	NS		NS		0.055	U	0.055	U	0.055	U	0.055	
		2/8/2024	NS		0.082	U	NS		NS		0.11	U	0.082	U	0.11	U	0.11	
		2/26/2023	NS		0.055	U	NS		NS		0.055	U	0.055	U	0.055	U	0.055	
Trichloroethylene	1.0	7/5/2023	NS		3	U	NS		NS		NS		NS		NS		NS	
		7/24/2023	NS		NS	U	NS		NS		NS		NS		NS		NS	
		9/15/2023	NS		0.054	U	NS		NS		NS		NS		NS		NS	
		10/9/2023	0.054	U	0.054	U	0.054	U	0.054	U	NS		NS		NS		NS	
		10/25/2023	NS		0.16	U	NS		NS		0.17		0.056		0.14		0.14	
		11/15/2023	NS		0.054	U	NS		NS		0.054	U	0.054	U	0.054	U	0.054	
		11/29/2023	NS		0.054	U	NS		NS		0.054	U	0.054	U	0.054	U	0.054	
		12/14/2023	NS		0.054	U	NS		NS		0.054	U	0.054	U	0.054	U	0.054	
		1/9/2024	NS		NS	U	NS		NS		0.054	U	0.08		0.054		0.054	
		1/26/2024	NS		0.054	U	NS		NS		0.054	U	0.054	U	0.054	U	0.054	
		2/8/2024	NS		0.081	U	NS		NS		0.11	U	0.081	U	0.11	U	0.11	
		2/26/2023	NS		0.054	U	NS		NS		0.11	U	0.054	U	0.054	U	0.054	

**Summary of July 2023 - January 2024 Indoor Air Contingency Data - Volatile Organic Compounds  
J. Alvarez High School - Providence, Rhode Island**

Volatile Organic Compounds via TO-15 Laboratory Analysis	CT Draft Proposed Indoor Residential Target Air Concentration/ Interim RIDEM-Approved Action Level	Sample Date	Room 115		Room 116		Room 116 (Inside Wall)		Room 117		Room 145		Room 152		Kitchen Storage	
				Qual		Qual		Qual		Qual		Qual		Qual		Qual
Trichlorofluoromethane (Freon 11)	370.0	7/5/2023	NS		4.8		NS		NS		NS		NS		NS	
		7/24/2023	NS		NS		NS		NS		NS		NS		NS	
		9/15/2023	NS		1.2		NS		NS		NS		NS		NS	
		10/9/2023	1.1		1.1		1.1		1.1		NS		NS		NS	
		10/25/2023	NS		1.5		NS		NS		1.5		1.6		1.3	
		11/15/2023	NS		1.4		NS		NS		1.1		1.6		1.2	
		11/29/2023	NS		1.3		NS		NS		1.4		1.3		1.3	
		12/14/2023	NS		1.3		NS		NS		1.3		1.3		1.3	
		1/9/2024	NS		NS		NS		NS		1.6		1.5		1.5	
		1/26/2024	NS		1.6		NS		NS		2.1		1.4		1.5	
		2/8/2024	NS		1.3		NS		NS		1.3		1.4		1.3	
		2/26/2023	NS		1.2		NS		NS		1.4		1.4		1.3	
		1,2,4-Trimethylbenzene	9.3	7/5/2023	NS		2.3		NS		NS		NS		NS	
7/24/2023	NS				NS		NS		NS		NS		NS		NS	
9/15/2023	NS				0.19		NS		NS		NS		NS		NS	
10/9/2023	0.098			U	0.098	U	1.8		0.098	U	NS		NS		NS	
10/25/2023	NS				0.76		NS		NS		1.2		0.42		1.7	
11/15/2023	NS				0.19		NS		NS		0.098		0.29		0.17	
11/29/2023	NS				0.098		NS		NS		0.098	U	0.32		0.098	U
12/14/2023	NS				0.098		NS		NS		0.098	U	0.098	U	0.098	U
1/9/2024	NS				NS		NS		NS		0.27		0.54		0.44	
1/26/2024	NS				0.17		NS		NS		0.18		0.21		0.2	
2/8/2024	NS				0.29		NS		NS		0.2	U	0.19		0.2	U
2/26/2023	NS				0.098		NS		NS		0.17		0.18		0.15	
1,3,5-Trimethylbenzene	9.3			7/5/2023	NS		0.61		NS		NS		NS		NS	
		7/24/2023	NS		NS		NS		NS		NS		NS		NS	
		9/15/2023	NS		0.098		NS		NS		NS		NS		NS	
		10/9/2023	0.098	U	0.098	U	0.47		0.098	U	NS		NS		NS	
		10/25/2023	NS		0.24		NS		NS		0.34		0.11		0.58	
		11/15/2023	NS		0.098		NS		NS		0.098	U	0.098	U	0.098	U
		11/29/2023	NS		0.098		NS		NS		0.098	U	0.098	U	0.098	U
		12/14/2023	NS		0.098		NS		NS		0.098	U	0.098	U	0.098	U
		1/9/2024	NS		NS		NS		NS		0.098	U	0.13		0.1	
		1/26/2024	NS		0.098		NS		NS		0.098	U	0.098	U	0.098	U
		2/8/2024	NS		0.15		NS		NS		0.2	U	0.15	U	0.2	U
		2/26/2023	NS		0.098		NS		NS		0.098	U	0.098	U	0.098	U
		Vinyl Chloride	0.1	7/5/2023	NS		0.099		NS		NS		NS		NS	
7/24/2023	NS				NS		NS		NS		NS		NS		NS	
9/15/2023	NS				0.051		NS		NS		NS		NS		NS	
10/9/2023	0.051			U	0.051	U	0.051		0.051	U	NS		NS		NS	
10/25/2023	NS				0.051		NS		NS		0.051	U	0.051	U	0.051	U
11/15/2023	NS				0.051		NS		NS		0.051	U	0.051	U	0.051	U
11/29/2023	NS				0.051		NS		NS		0.051	U	0.051	U	0.051	U
12/14/2023	NS				0.051		NS		NS		0.051	U	0.051	U	0.051	U
1/9/2024	NS				NS		NS		NS		0.051	U	0.051	U	0.051	U
1/26/2024	NS				0.051		NS		NS		0.051	U	0.051	U	0.051	U
2/8/2024	NS				0.077		NS		NS		0.1	U	0.077	U	0.1	U
2/26/2023	NS				0.051		NS		NS		0.051	U	0.051	U	0.051	U
m&p-Xylene	220.0			7/5/2023	NS		2.5		NS		NS		NS		NS	
		7/24/2023	NS		NS		NS		NS		NS		NS		NS	
		9/15/2023	NS		0.37		NS		NS		NS		NS		NS	
		10/9/2023	NS	U	0.17		NS		1.4		0.17	U	NS		NS	
		10/25/2023	NS		3.8		NS		NS		5.2		0.98		10	
		11/15/2023	NS		0.52		NS		NS		0.38		0.88		0.51	
		11/29/2023	NS		0.18		NS		NS		0.17	U	0.85		0.17	U
		12/14/2023	NS		0.17		NS		NS		0.26		0.24		0.25	
		1/9/2024	NS		NS		NS		NS		0.79		1.7		1.2	
		1/26/2024	NS		0.58		NS		NS		0.51		0.53		0.45	
		2/8/2024	NS		1.1		NS		NS		0.4		0.83		0.68	
		2/26/2023	NS		0.23		NS		NS		0.73		0.71		0.3	
		o-Xylene	220.0	7/5/2023	NS		1.1		NS		NS		NS		NS	
7/24/2023	NS				NS		NS		NS		NS		NS		NS	
9/15/2023	NS				0.16		NS		NS		NS		NS		NS	
10/9/2023	0.087			U	0.087	U	0.54		0.087	U	NS		NS		NS	
10/25/2023	NS				1.1		NS		NS		1.5		0.37		2.9	
11/15/2023	NS				0.2		NS		NS		0.14		0.32		0.21	
11/29/2023	NS				0.087		NS		NS		0.087	U	0.38		0.087	U
12/14/2023	NS				0.087		NS		NS		0.099		0.09		0.1	
1/9/2024	NS				NS		NS		NS		0.29		0.6		0.44	
1/26/2024	NS				0.21		NS		NS		0.2		0.21		0.18	
2/8/2024	NS				0.39		NS		NS		0.17	U	0.3		0.26	
2/26/2023	NS				0.097		NS		NS		0.26		0.25		0.23	

**NOTES:**  
 All data presented in micrograms per cubic meter (ug/m<sup>3</sup>).  
 Two values displayed with a slash indicates dilutions resulting in two different concentrations  
 U = Designation indicates that the compound was not detected by the laboratory.  
 NS = Not sampled.  
 None = No Draft Proposed CT Residential TAC for this compound.  
 = exceedance of interim RIDEM-approved action level

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## **APPENDIX E**

### **Rooftop Emission Analytical Summary**

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**Sub Slab Depressurization System Emissions Calculations**  
 Alvarez School  
 Sample Date: 18 July 2023

Volatile Organic Compounds	ROOFTOP FAN 1				ROOFTOP FAN 2				ROOFTOP FAN 3				CUMULATIVE EMISSIONS (3 fans combined)							
	Measured Flow Speed (fpm):		1988	Measured Flow Rate (cfm):	173.6		Measured Flow Speed (fpm):		1994	Measured Flow Rate (cfm):	174.1		Measured Flow Speed (fpm):		1959	Measured Flow Rate (cfm):	171.0			
	Concentration (ug/m <sup>3</sup> )		Hourly Emission (lbs/hr)	Daily Emission (lbs/day)	Yearly Emission (lbs/year)		Concentration (ug/m <sup>3</sup> )		Hourly Emission (lbs/hr)	Daily Emission (lbs/day)	Yearly Emission (lbs/year)		Concentration (ug/m <sup>3</sup> )		Hourly Emission (lbs/hr)	Daily Emission (lbs/day)	Yearly Emission (lbs/year)			
Acetone		42	2.72E-05	6.54E-04		37	2.41E-05	5.78E-04	2.39E-01		2.11E-01		38	2.43E-05	5.83E-04	2.13E-01	7.56E-05	1.81E-03	6.62E-01	
Acrylonitrile		0.25	1.62E-07	3.89E-06	1.42E-03	0.25	1.63E-07	3.90E-06	1.43E-03	0.25	1.60E-07	3.84E-06	1.40E-03	4.85E-07	1.16E-05	4.25E-03				
Benzene		0.39	2.53E-07	6.07E-06	2.22E-03	0.38	2.47E-07	5.93E-06	2.17E-03	0.37	2.37E-07	5.68E-06	2.07E-03	7.37E-07	1.77E-05	6.45E-03				
Bromodichloromethane		0.067	4.35E-08	1.04E-06	3.81E-04	0.067	4.36E-08	1.05E-06	3.82E-04	0.067	4.28E-08	1.03E-06	3.75E-04	1.30E-07	3.12E-06	1.14E-03				
Bromoform		0.21	1.36E-07	3.27E-06	1.19E-03	0.21	1.37E-07	3.28E-06	1.20E-03	0.21	1.34E-07	3.22E-06	1.18E-03	4.07E-07	9.77E-06	3.57E-03				
2-Butanone		23	1.49E-05	3.58E-04	1.31E-01	8.6	5.60E-06	1.34E-04	4.90E-02	5.3	3.39E-06	8.13E-05	2.97E-02	2.39E-05	5.74E-04	2.09E-01				
n-Butylbenzene		0.32	2.08E-07	4.98E-06	1.82E-03	0.32	2.08E-07	5.00E-06	1.82E-03	0.32	2.05E-07	4.91E-06	1.79E-03	6.20E-07	1.49E-05	5.44E-03				
sec-Butylbenzene		0.25	1.62E-07	3.89E-06	1.42E-03	0.25	1.63E-07	3.90E-06	1.43E-03	0.25	1.60E-07	3.84E-06	1.40E-03	4.85E-07	1.16E-05	4.25E-03				
Carbon Tetrachloride		0.38	2.47E-07	5.92E-06	2.16E-03	0.36	2.34E-07	5.62E-06	2.05E-03	0.37	2.37E-07	5.68E-06	2.07E-03	7.17E-07	1.72E-05	6.28E-03				
Chlorobenzene		0.29	1.88E-07	4.52E-06	1.65E-03	0.17	1.11E-07	2.66E-06	9.69E-04	0.14	8.95E-08	2.15E-06	7.84E-04	3.88E-07	9.32E-06	3.40E-03				
Chloroethane		0.083	5.38E-08	1.29E-06	4.72E-04	0.099	6.44E-08	1.55E-06	5.64E-04	0.053	3.39E-08	8.13E-07	2.97E-04	1.52E-07	3.65E-06	1.33E-03				
Chloroform		0.17	1.10E-07	2.65E-06	9.66E-04	0.12	7.81E-08	1.87E-06	6.84E-04	0.11	7.03E-08	1.69E-06	6.16E-04	2.59E-07	6.21E-06	2.27E-03				
Chloromethane		0.3	1.95E-06	4.67E-05	1.71E-02	2.4	1.56E-06	3.75E-05	1.37E-02	1.4	8.95E-07	2.15E-05	7.84E-03	4.40E-06	1.06E-04	3.86E-02				
Dibromochloromethane		0.085	5.51E-08	1.32E-06	4.83E-04	0.085	5.53E-08	1.33E-06	4.85E-04	0.085	5.43E-08	1.30E-06	4.76E-04	1.60E-07	3.96E-06	1.44E-03				
1,2-Dibromoethane		0.077	5.00E-08	1.20E-06	4.38E-04	0.077	5.01E-08	1.20E-06	4.39E-04	0.077	4.92E-08	1.18E-06	4.31E-04	1.49E-07	3.58E-06	1.31E-03				
1,2-Dichlorobenzene		0.12	7.79E-08	1.87E-06	6.82E-04	0.12	7.81E-08	1.87E-06	6.84E-04	0.12	7.67E-08	1.84E-06	6.72E-04	2.33E-07	5.58E-06	2.04E-03				
1,3-Dichlorobenzene		6.5	4.22E-06	1.01E-04	3.69E-02	1.4	9.11E-07	2.19E-05	7.98E-03	1.4	8.95E-07	2.15E-05	7.84E-03	6.02E-06	1.45E-04	5.28E-02				
1,4-Dichlorobenzene		0.12	7.79E-08	1.87E-06	6.82E-04	0.12	7.81E-08	1.87E-06	6.84E-04	0.12	7.67E-08	1.84E-06	6.72E-04	2.33E-07	5.58E-06	2.04E-03				
Dichlorodifluoromethane		0.55	3.57E-07	8.56E-06	3.13E-03	0.58	3.77E-07	9.06E-06	3.31E-03	0.59	3.77E-07	9.05E-06	3.30E-03	1.11E-06	2.67E-05	9.74E-03				
1,1-Dichloroethane		0.04	2.60E-08	6.23E-07	2.27E-04	0.04	2.60E-08	6.25E-07	2.28E-04	0.04	2.56E-08	6.14E-07	2.24E-04	7.76E-08	1.86E-06	6.79E-04				
1,2-Dichloroethane		0.076	4.93E-08	1.18E-06	4.32E-04	0.052	3.38E-08	8.12E-07	2.96E-04	0.049	3.13E-08	7.52E-07	2.74E-04	1.14E-07	2.55E-06	1.00E-03				
1,1-Dichloroethene		0.04	2.60E-08	6.23E-07	2.27E-04	0.04	2.60E-08	6.25E-07	2.28E-04	0.04	2.56E-08	6.14E-07	2.24E-04	7.76E-08	1.86E-06	6.79E-04				
cis-1,2-Dichloroethene		0.043	2.79E-08	6.70E-07	2.44E-04	0.04	2.60E-08	6.25E-07	2.28E-04	0.04	2.56E-08	6.14E-07	2.24E-04	7.95E-08	1.91E-06	6.96E-04				
trans-1,2-Dichloroethene		0.04	2.60E-08	6.23E-07	2.27E-04	0.04	2.60E-08	6.25E-07	2.28E-04	0.059	3.77E-08	9.05E-07	3.30E-04	8.97E-08	2.15E-06	7.86E-04				
1,2-Dichloropropane		0.13	8.43E-08	2.02E-06	7.39E-04	0.068	4.43E-08	1.06E-06	3.88E-04	0.085	5.43E-08	1.30E-06	4.76E-04	1.83E-07	4.39E-06	1.60E-03				
cis-1,3-Dichloropropene		0.045	2.92E-08	7.01E-07	2.56E-04	0.045	2.93E-08	7.03E-07	2.57E-04	0.045	2.88E-08	6.90E-07	2.52E-04	8.72E-08	2.09E-06	7.64E-04				
trans-1,3-Dichloropropene		0.045	2.92E-08	7.01E-07	2.56E-04	0.045	2.93E-08	7.03E-07	2.57E-04	0.045	2.88E-08	6.90E-07	2.52E-04	8.72E-08	2.09E-06	7.64E-04				
Ethylbenzene		4.3	2.79E-06	6.70E-05	2.44E-02	2.4	1.56E-06	3.75E-05	1.37E-02	2.2	1.41E-06	3.38E-05	1.23E-02	5.76E-06	1.38E-04	5.04E-02				
Isopropylbenzene		0.54	3.50E-07	8.41E-06	3.07E-03	0.3	1.95E-07	4.69E-06	1.71E-03	0.25	1.60E-07	3.84E-06	1.40E-03	7.05E-07	1.69E-05	6.18E-03				
n-Isopropyltoluene		0.56	3.63E-07	8.72E-06	3.18E-03	0.34	2.21E-07	5.31E-06	1.94E-03	0.25	1.60E-07	3.84E-06	1.40E-03	7.44E-07	1.79E-05	6.52E-03				
Methyl tert butyl ether		0.072	4.67E-08	1.12E-06	4.09E-04	0.072	4.69E-08	1.12E-06	4.10E-04	0.072	4.60E-08	1.10E-06	4.03E-04	1.40E-07	3.35E-06	1.22E-03				
Methylene chloride		0.69	4.48E-07	1.07E-05	3.92E-03	0.69	4.49E-07	1.08E-05	3.93E-03	0.69	4.41E-07	1.06E-05	3.86E-03	1.34E-06	3.21E-05	1.17E-02				
4-Methyl-2-pentanone		6.3	4.09E-06	9.81E-05	3.58E-02	2	1.39E-06	3.12E-05	1.14E-02	2.1	1.34E-06	3.22E-05	1.18E-02	6.73E-06	1.62E-04	5.90E-02				
Styrene		6.7	4.35E-06	1.04E-04	3.81E-02	5.5	3.58E-06	8.59E-05	3.14E-02	3	1.92E-06	4.60E-05	1.68E-02	9.84E-06	2.36E-04	8.62E-02				
1,1,1,2-Tetrachloroethane		0.25	1.62E-07	3.89E-06	1.42E-03	0.25	1.63E-07	3.90E-06	1.43E-03	0.25	1.60E-07	3.84E-06	1.40E-03	4.85E-07	1.16E-05	4.25E-03				
1,1,1,2,2-Tetrachloroethane		0.069	4.48E-08	1.07E-06	3.92E-04	0.069	4.49E-08	1.08E-06	3.93E-04	0.069	4.41E-08	1.06E-06	3.86E-04	1.34E-07	3.21E-06	1.17E-03				
Tetrachloroethene		9.9	6.42E-06	1.54E-04	5.63E-02	1.7	1.11E-06	2.66E-05	9.69E-03	1.2	7.67E-07	1.84E-05	6.72E-03	8.30E-06	1.99E-04	7.27E-02				
Toluene		41	2.66E-05	6.38E-04	2.33E-01	16	1.04E-05	2.50E-04	9.12E-02	29	1.85E-05	4.45E-04	1.63E-01	5.56E-05	1.33E-03	4.87E-01				
1,1,1-Trichloroethane		0.64	4.15E-07	9.97E-06	3.64E-03	0.079	5.14E-08	1.23E-06	4.50E-04	0.055	3.52E-08	8.44E-07	3.08E-04	5.02E-07	1.20E-05	4.40E-03				
1,1,2-Trichloroethane		0.055	3.57E-08	8.56E-07	3.13E-04	0.055	3.58E-08	8.59E-07	3.14E-04	0.055	3.52E-08	8.44E-07	3.08E-04	1.07E-07	2.56E-06	9.34E-04				
Trichloroethylene		34	2.21E-05	5.29E-04	1.93E-01	14	9.11E-06	2.19E-04	7.98E-02	0.86	5.50E-07	1.32E-05	4.82E-03	3.17E-05	7.61E-04	2.78E-01				
Trichlorofluoromethane		11	7.14E-06	1.71E-04	6.25E-02	9.9	6.44E-06	1.55E-04	5.64E-02	1	6.39E-07	1.53E-05	5.60E-03	1.42E-05	3.41E-04	1.25E-01				
1,2,4-Trimethylbenzene		1.6	1.04E-06	2.49E-05	9.09E-03	1.5	9.76E-07	2.34E-05	8.55E-03	1.6	1.02E-06	2.46E-05	8.96E-03	3.04E-06	7.29E-05	2.66E-02				
1,3,5-Trimethylbenzene		0.91	5.90E-07	1.42E-05	5.17E-03	0.56	3.64E-07	8.75E-06	3.19E-03	0.36	2.30E-07	5.52E-06	2.02E-03	1.18E-06	2.84E-05	1.04E-02				
Vinyl chloride		0.051	3.31E-08	7.94E-07	2.90E-04	0.051	3.32E-08	7.97E-07	2.91E-04	0.051	3.26E-08	7.83E-07	2.86E-04	9.89E-08	2.37E-06	8.66E-04				
m-Xylene		12	7.79E-06	1.87E-04	6.82E-02	7.2	4.69E-06	1.12E-04	4.10E-02	6.6	4.22E-06	1.01E-04	3.70E-02	1.67E-05	4.01E-04	1.46E-01				
o-Xylene		5.1	3.31E-06	7.94E-05	2.90E-02	3	1.95E-06	4.69E-05	1.71E-02	2.6	1.66E-06	3.99E-05	1.46E-02	6.92E-06	1.66E-04	6.06E-02				
Total VOCs		2.14E+02	1.39E-04	3.33E-03	2.12E+00	1.19E+02	7.72E-05	1.85E-03	6.76E-01	1.02E+02	6.51E-05	1.56E-03	5.71E-01	2.81E-04	6.75E-03	2.46E+00				
<b>RIDEM Air Pollution Control Permit Applicability Thresholds (lbs) *</b>		<b>10</b>	<b>100</b>		<b>20,000 (Individual VOCs)</b>	<b>50,000 (Total VOCs)</b>	<b>Not Applicable</b>	<b>10</b>	<b>100</b>	<b>20,000 (Individual VOCs)</b>	<b>50,000 (Total VOCs)</b>	<b>Not Applicable</b>	<b>10</b>	<b>100</b>	<b>20,000 (Individual VOCs)</b>	<b>50,000 (Total VOCs)</b>	<b>10</b>	<b>100</b>	<b>20,000 (Individual VOCs)</b>	<b>50,000 (Total VOCs)</b>

\* RIDEM Air Pollution Control Regulation No. 9 [August 1971, Amended April 2004].

**NOTES:**

- U = Indicates that chemical was not detected by the laboratory. To be conservative, the reporting limit shown in the concentration column was used in the emissions calculations.
- L = Potential low bias due to uncertainty caused by continuing calibration not meeting method specifications or blank control sample recovery shown to be below the low side of control limits.
- H = Potential high bias due to uncertainty caused by continuing calibration not meeting method specifications or blank control sample recovery shown to be above the high side of control limits.
- B = Analyte found in associated blank sample but data is not affected by elevated level in blank since sample result is >10x level in the blank.

Hourly Emissions (lbs/hour) = VOC concentration (ug/m<sup>3</sup>) x measured flow rate (cfm) x 0.02832 m<sup>3</sup>/ft<sup>3</sup> x 60 min/hour x 0.001 mg/ug x 0.001 g/mg x 0.0022 lb/g.

Daily Emissions (lbs/day) = Hourly Emissions x 24 hours/day

Yearly Emissions (lbs/year) = Daily Emissions x 365 days/year

Where samples were analyzed with multiple dilution factors, the highest reported value is shown

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## **APPENDIX F**

### **Laboratory Analytical Reports**

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December 19, 2023

Johnathan Alvarez  
EA Engineering Science & Tech. - RI  
301 Metro Center Blvd, Suite 102  
Warwick, RI 02886

Project Location: Providence, RI  
Client Job Number:  
Project Number: 1506611  
Laboratory Work Order Number: 23L2265

Enclosed are results of analyses for samples as received by the laboratory on December 14, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kaitlyn A. Feliciano  
Project Manager

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 EA Engineering Science & Tech. - RI  
 301 Metro Center Blvd, Suite 102  
 Warwick, RI 02886  
 ATTN: Johnathan Alvarez

REPORT DATE: 12/19/2023

PURCHASE ORDER NUMBER: 18155

PROJECT NUMBER: 1506611

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 23L2265

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

PROJECT LOCATION: Providence, RI

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Room 116	23L2265-01	Indoor air		- EPA TO-15	
Room 145	23L2265-02	Indoor air		- EPA TO-15	
Room 152	23L2265-03	Indoor air		- EPA TO-15	
Kitchen Storage	23L2265-04	Indoor air		- EPA TO-15	

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**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:****1,1,1,2-Tetrachloroethane**

23L2265-01[Room 116], 23L2265-02[Room 145], 23L2265-03[Room 152], 23L2265-04[Kitchen Storage], B361102-BLK1, B361102-BS1, S097962-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:****Carbon Tetrachloride**

23L2265-01[Room 116], 23L2265-02[Room 145], 23L2265-03[Room 152], 23L2265-04[Kitchen Storage], B361102-BLK1, B361102-BS1, S097962-CCV1

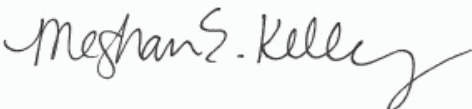
**EPA TO-15**

Initial and continuing calibrations met all required performance standards for RCP compounds that are Title III Clean Air Act Amendment compounds listed in table 1 of the TO-15 method unless otherwise specified in this narrative.

Laboratory control sample recoveries and sample replicate RPDs were all within limits specified by the method for RCP compounds that are Title III Clean Air Act Amendment compounds listed in table 1 of the TO-15 method unless otherwise specified in this narrative. Recovery limits of 50-150% are used for propene, acetone, ethanol, isopropanol, ethyl acetate, tetrahydrofuran, cyclohexane, heptane, 2-hexanone, 4-ethyltoluene, n-butylbenzene, sec-butylbenzene, 4-isopropyltoluene, and 1,1,1,2-tetrachloroethane.

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.



Meghan E. Kelley  
Reporting Specialist



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**ANALYTICAL RESULTS**

 Project Location: Providence, RI  
 Date Received: 12/14/2023  
**Field Sample #: Room 116**  
**Sample ID: 23L2265-01**  
 Sample Matrix: Indoor air  
 Sampled: 12/14/2023 13:19

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1057  
 Canister Size: 6 liter  
 Flow Controller ID: 4591  
 Sample Type: 30 min

**Work Order: 23L2265**  
 Initial Vacuum(in Hg): -29.5  
 Final Vacuum(in Hg): 0  
 Receipt Vacuum(in Hg): -1.3  
 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	2.2	0.80		5.3	1.9	0.4	12/15/23	19:11	TPH
Acrylonitrile	ND	0.12		ND	0.25	0.4	12/15/23	19:11	TPH
Benzene	0.094	0.020		0.30	0.064	0.4	12/15/23	19:11	TPH
Bromodichloromethane	ND	0.010		ND	0.067	0.4	12/15/23	19:11	TPH
Bromoform	ND	0.020		ND	0.21	0.4	12/15/23	19:11	TPH
2-Butanone (MEK)	ND	0.80		ND	2.4	0.4	12/15/23	19:11	TPH
n-Butylbenzene	ND	0.058		ND	0.32	0.4	12/15/23	19:11	TPH
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	12/15/23	19:11	TPH
Carbon Tetrachloride	0.066	0.010	V-34	0.42	0.063	0.4	12/15/23	19:11	TPH
Chlorobenzene	ND	0.020		ND	0.092	0.4	12/15/23	19:11	TPH
Chloroethane	ND	0.020		ND	0.053	0.4	12/15/23	19:11	TPH
Chloroform	0.013	0.010		0.064	0.049	0.4	12/15/23	19:11	TPH
Chloromethane	0.48	0.040		1.00	0.083	0.4	12/15/23	19:11	TPH
Dibromochloromethane	ND	0.010		ND	0.085	0.4	12/15/23	19:11	TPH
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	12/15/23	19:11	TPH
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	12/15/23	19:11	TPH
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	12/15/23	19:11	TPH
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	12/15/23	19:11	TPH
Dichlorodifluoromethane (Freon 12)	0.13	0.020		0.65	0.099	0.4	12/15/23	19:11	TPH
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	12/15/23	19:11	TPH
1,2-Dichloroethane	0.017	0.010		0.068	0.040	0.4	12/15/23	19:11	TPH
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	12/15/23	19:11	TPH
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	12/15/23	19:11	TPH
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	12/15/23	19:11	TPH
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	12/15/23	19:11	TPH
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	12/15/23	19:11	TPH
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	12/15/23	19:11	TPH
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	12/15/23	19:11	TPH
Ethylbenzene	ND	0.020		ND	0.087	0.4	12/15/23	19:11	TPH
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	12/15/23	19:11	TPH
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	12/15/23	19:11	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	12/15/23	19:11	TPH
Methylene Chloride	ND	0.20		ND	0.69	0.4	12/15/23	19:11	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.020		ND	0.082	0.4	12/15/23	19:11	TPH
Styrene	ND	0.020		ND	0.085	0.4	12/15/23	19:11	TPH
1,1,1,2-Tetrachloroethane	ND	0.036	V-05	ND	0.25	0.4	12/15/23	19:11	TPH
1,1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	12/15/23	19:11	TPH

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**ANALYTICAL RESULTS**

 Project Location: Providence, RI  
 Date Received: 12/14/2023  
**Field Sample #: Room 116**  
**Sample ID: 23L2265-01**  
 Sample Matrix: Indoor air  
 Sampled: 12/14/2023 13:19

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1057  
 Canister Size: 6 liter  
 Flow Controller ID: 4591  
 Sample Type: 30 min

**Work Order: 23L2265**  
 Initial Vacuum(in Hg): -29.5  
 Final Vacuum(in Hg): 0  
 Receipt Vacuum(in Hg): -1.3  
 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		
Tetrachloroethylene	ND	0.020		ND	0.14	0.4	12/15/23	19:11	TPH
Toluene	0.076	0.020		0.28	0.075	0.4	12/15/23	19:11	TPH
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	12/15/23	19:11	TPH
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	12/15/23	19:11	TPH
Trichloroethylene	ND	0.010		ND	0.054	0.4	12/15/23	19:11	TPH
Trichlorofluoromethane (Freon 11)	0.24	0.080		1.3	0.45	0.4	12/15/23	19:11	TPH
1,2,4-Trimethylbenzene	ND	0.020		ND	0.098	0.4	12/15/23	19:11	TPH
1,3,5-Trimethylbenzene	ND	0.020		ND	0.098	0.4	12/15/23	19:11	TPH
Vinyl Chloride	ND	0.020		ND	0.051	0.4	12/15/23	19:11	TPH
m&p-Xylene	ND	0.040		ND	0.17	0.4	12/15/23	19:11	TPH
o-Xylene	ND	0.020		ND	0.087	0.4	12/15/23	19:11	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	96.4	70-130	12/15/23 19:11
4-Bromofluorobenzene (2)	102	70-130	12/15/23 19:11

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**ANALYTICAL RESULTS**

 Project Location: Providence, RI  
 Date Received: 12/14/2023  
**Field Sample #: Room 145**  
**Sample ID: 23L2265-02**  
 Sample Matrix: Indoor air  
 Sampled: 12/14/2023 13:06

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1114  
 Canister Size: 6 liter  
 Flow Controller ID: 4592  
 Sample Type: 30 min

**Work Order: 23L2265**  
 Initial Vacuum(in Hg): -30  
 Final Vacuum(in Hg): -4  
 Receipt Vacuum(in Hg): -1.4  
 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	2.3	0.80		5.4	1.9	0.4	12/15/23	20:04	TPH
Acrylonitrile	ND	0.12		ND	0.25	0.4	12/15/23	20:04	TPH
Benzene	0.13	0.020		0.41	0.064	0.4	12/15/23	20:04	TPH
Bromodichloromethane	ND	0.010		ND	0.067	0.4	12/15/23	20:04	TPH
Bromoform	ND	0.020		ND	0.21	0.4	12/15/23	20:04	TPH
2-Butanone (MEK)	ND	0.80		ND	2.4	0.4	12/15/23	20:04	TPH
n-Butylbenzene	ND	0.058		ND	0.32	0.4	12/15/23	20:04	TPH
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	12/15/23	20:04	TPH
Carbon Tetrachloride	0.067	0.010	V-34	0.42	0.063	0.4	12/15/23	20:04	TPH
Chlorobenzene	ND	0.020		ND	0.092	0.4	12/15/23	20:04	TPH
Chloroethane	ND	0.020		ND	0.053	0.4	12/15/23	20:04	TPH
Chloroform	0.015	0.010		0.072	0.049	0.4	12/15/23	20:04	TPH
Chloromethane	0.49	0.040		1.0	0.083	0.4	12/15/23	20:04	TPH
Dibromochloromethane	ND	0.010		ND	0.085	0.4	12/15/23	20:04	TPH
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	12/15/23	20:04	TPH
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	12/15/23	20:04	TPH
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	12/15/23	20:04	TPH
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	12/15/23	20:04	TPH
Dichlorodifluoromethane (Freon 12)	0.13	0.020		0.66	0.099	0.4	12/15/23	20:04	TPH
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	12/15/23	20:04	TPH
1,2-Dichloroethane	0.018	0.010		0.073	0.040	0.4	12/15/23	20:04	TPH
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	12/15/23	20:04	TPH
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	12/15/23	20:04	TPH
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	12/15/23	20:04	TPH
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	12/15/23	20:04	TPH
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	12/15/23	20:04	TPH
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	12/15/23	20:04	TPH
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	12/15/23	20:04	TPH
Ethylbenzene	0.027	0.020		0.12	0.087	0.4	12/15/23	20:04	TPH
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	12/15/23	20:04	TPH
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	12/15/23	20:04	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	12/15/23	20:04	TPH
Methylene Chloride	ND	0.20		ND	0.69	0.4	12/15/23	20:04	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.020		ND	0.082	0.4	12/15/23	20:04	TPH
Styrene	ND	0.020		ND	0.085	0.4	12/15/23	20:04	TPH
1,1,1,2-Tetrachloroethane	ND	0.036	V-05	ND	0.25	0.4	12/15/23	20:04	TPH
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	12/15/23	20:04	TPH

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**ANALYTICAL RESULTS**

 Project Location: Providence, RI  
 Date Received: 12/14/2023  
**Field Sample #: Room 145**  
**Sample ID: 23L2265-02**  
 Sample Matrix: Indoor air  
 Sampled: 12/14/2023 13:06

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1114  
 Canister Size: 6 liter  
 Flow Controller ID: 4592  
 Sample Type: 30 min

**Work Order: 23L2265**  
 Initial Vacuum(in Hg): -30  
 Final Vacuum(in Hg): -4  
 Receipt Vacuum(in Hg): -1.4  
 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		
Tetrachloroethylene	ND	0.020		ND	0.14	0.4	12/15/23	20:04	TPH
Toluene	0.13	0.020		0.48	0.075	0.4	12/15/23	20:04	TPH
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	12/15/23	20:04	TPH
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	12/15/23	20:04	TPH
Trichloroethylene	ND	0.010		ND	0.054	0.4	12/15/23	20:04	TPH
Trichlorofluoromethane (Freon 11)	0.24	0.080		1.3	0.45	0.4	12/15/23	20:04	TPH
1,2,4-Trimethylbenzene	ND	0.020		ND	0.098	0.4	12/15/23	20:04	TPH
1,3,5-Trimethylbenzene	ND	0.020		ND	0.098	0.4	12/15/23	20:04	TPH
Vinyl Chloride	ND	0.020		ND	0.051	0.4	12/15/23	20:04	TPH
m&p-Xylene	0.060	0.040		0.26	0.17	0.4	12/15/23	20:04	TPH
o-Xylene	0.023	0.020		0.099	0.087	0.4	12/15/23	20:04	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	95.8	70-130	12/15/23 20:04
4-Bromofluorobenzene (2)	102	70-130	12/15/23 20:04

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**ANALYTICAL RESULTS**

 Project Location: Providence, RI  
 Date Received: 12/14/2023  
**Field Sample #: Room 152**  
**Sample ID: 23L2265-03**  
 Sample Matrix: Indoor air  
 Sampled: 12/14/2023 13:09

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1944  
 Canister Size: 6 liter  
 Flow Controller ID: 4613  
 Sample Type: 30 min

**Work Order: 23L2265**  
 Initial Vacuum(in Hg): -29  
 Final Vacuum(in Hg): -2  
 Receipt Vacuum(in Hg): -1.9  
 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	6.0	0.80		14	1.9	0.4	12/15/23 20:57	TPH	
Acrylonitrile	ND	0.12		ND	0.25	0.4	12/15/23 20:57	TPH	
Benzene	0.12	0.020		0.37	0.064	0.4	12/15/23 20:57	TPH	
Bromodichloromethane	ND	0.010		ND	0.067	0.4	12/15/23 20:57	TPH	
Bromoform	ND	0.020		ND	0.21	0.4	12/15/23 20:57	TPH	
2-Butanone (MEK)	ND	0.80		ND	2.4	0.4	12/15/23 20:57	TPH	
n-Butylbenzene	ND	0.058		ND	0.32	0.4	12/15/23 20:57	TPH	
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	12/15/23 20:57	TPH	
Carbon Tetrachloride	0.066	0.010	V-34	0.42	0.063	0.4	12/15/23 20:57	TPH	
Chlorobenzene	ND	0.020		ND	0.092	0.4	12/15/23 20:57	TPH	
Chloroethane	ND	0.020		ND	0.053	0.4	12/15/23 20:57	TPH	
Chloroform	0.020	0.010		0.098	0.049	0.4	12/15/23 20:57	TPH	
Chloromethane	0.49	0.040		1.0	0.083	0.4	12/15/23 20:57	TPH	
Dibromochloromethane	ND	0.010		ND	0.085	0.4	12/15/23 20:57	TPH	
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	12/15/23 20:57	TPH	
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	12/15/23 20:57	TPH	
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	12/15/23 20:57	TPH	
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	12/15/23 20:57	TPH	
Dichlorodifluoromethane (Freon 12)	0.13	0.020		0.65	0.099	0.4	12/15/23 20:57	TPH	
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	12/15/23 20:57	TPH	
1,2-Dichloroethane	0.017	0.010		0.070	0.040	0.4	12/15/23 20:57	TPH	
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	12/15/23 20:57	TPH	
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	12/15/23 20:57	TPH	
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	12/15/23 20:57	TPH	
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	12/15/23 20:57	TPH	
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	12/15/23 20:57	TPH	
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	12/15/23 20:57	TPH	
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	12/15/23 20:57	TPH	
Ethylbenzene	ND	0.020		ND	0.087	0.4	12/15/23 20:57	TPH	
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	12/15/23 20:57	TPH	
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	12/15/23 20:57	TPH	
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	12/15/23 20:57	TPH	
Methylene Chloride	ND	0.20		ND	0.69	0.4	12/15/23 20:57	TPH	
4-Methyl-2-pentanone (MIBK)	ND	0.020		ND	0.082	0.4	12/15/23 20:57	TPH	
Styrene	ND	0.020		ND	0.085	0.4	12/15/23 20:57	TPH	
1,1,1,2-Tetrachloroethane	ND	0.036	V-05	ND	0.25	0.4	12/15/23 20:57	TPH	
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	12/15/23 20:57	TPH	

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

**ANALYTICAL RESULTS**

 Project Location: Providence, RI  
 Date Received: 12/14/2023  
**Field Sample #: Room 152**  
**Sample ID: 23L2265-03**  
 Sample Matrix: Indoor air  
 Sampled: 12/14/2023 13:09

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1944  
 Canister Size: 6 liter  
 Flow Controller ID: 4613  
 Sample Type: 30 min

**Work Order: 23L2265**  
 Initial Vacuum(in Hg): -29  
 Final Vacuum(in Hg): -2  
 Receipt Vacuum(in Hg): -1.9  
 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		
Tetrachloroethylene	ND	0.020		ND	0.14	0.4	12/15/23 20:57	TPH	
Toluene	0.11	0.020		0.40	0.075	0.4	12/15/23 20:57	TPH	
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	12/15/23 20:57	TPH	
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	12/15/23 20:57	TPH	
Trichloroethylene	ND	0.010		ND	0.054	0.4	12/15/23 20:57	TPH	
Trichlorofluoromethane (Freon 11)	0.24	0.080		1.3	0.45	0.4	12/15/23 20:57	TPH	
1,2,4-Trimethylbenzene	ND	0.020		ND	0.098	0.4	12/15/23 20:57	TPH	
1,3,5-Trimethylbenzene	ND	0.020		ND	0.098	0.4	12/15/23 20:57	TPH	
Vinyl Chloride	ND	0.020		ND	0.051	0.4	12/15/23 20:57	TPH	
m&p-Xylene	0.056	0.040		0.24	0.17	0.4	12/15/23 20:57	TPH	
o-Xylene	0.021	0.020		0.090	0.087	0.4	12/15/23 20:57	TPH	

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	95.6	70-130	12/15/23 20:57
4-Bromofluorobenzene (2)	101	70-130	12/15/23 20:57

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**ANALYTICAL RESULTS**

 Project Location: Providence, RI  
 Date Received: 12/14/2023  
**Field Sample #: Kitchen Storage**  
**Sample ID: 23L2265-04**  
 Sample Matrix: Indoor air  
 Sampled: 12/14/2023 12:53

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1824  
 Canister Size: 6 liter  
 Flow Controller ID: 4614  
 Sample Type: 30 min

**Work Order: 23L2265**  
 Initial Vacuum(in Hg): -30  
 Final Vacuum(in Hg): -5  
 Receipt Vacuum(in Hg): -0.1  
 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	7.8	0.80		18	1.9	0.4	12/15/23	21:48	TPH
Acrylonitrile	ND	0.12		ND	0.25	0.4	12/15/23	21:48	TPH
Benzene	0.12	0.020		0.38	0.064	0.4	12/15/23	21:48	TPH
Bromodichloromethane	ND	0.010		ND	0.067	0.4	12/15/23	21:48	TPH
Bromoform	ND	0.020		ND	0.21	0.4	12/15/23	21:48	TPH
2-Butanone (MEK)	ND	0.80		ND	2.4	0.4	12/15/23	21:48	TPH
n-Butylbenzene	ND	0.058		ND	0.32	0.4	12/15/23	21:48	TPH
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	12/15/23	21:48	TPH
Carbon Tetrachloride	0.063	0.010	V-34	0.40	0.063	0.4	12/15/23	21:48	TPH
Chlorobenzene	ND	0.020		ND	0.092	0.4	12/15/23	21:48	TPH
Chloroethane	ND	0.020		ND	0.053	0.4	12/15/23	21:48	TPH
Chloroform	0.065	0.010		0.32	0.049	0.4	12/15/23	21:48	TPH
Chloromethane	0.49	0.040		1.0	0.083	0.4	12/15/23	21:48	TPH
Dibromochloromethane	ND	0.010		ND	0.085	0.4	12/15/23	21:48	TPH
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	12/15/23	21:48	TPH
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	12/15/23	21:48	TPH
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	12/15/23	21:48	TPH
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	12/15/23	21:48	TPH
Dichlorodifluoromethane (Freon 12)	0.13	0.020		0.66	0.099	0.4	12/15/23	21:48	TPH
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	12/15/23	21:48	TPH
1,2-Dichloroethane	0.018	0.010		0.073	0.040	0.4	12/15/23	21:48	TPH
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	12/15/23	21:48	TPH
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	12/15/23	21:48	TPH
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	12/15/23	21:48	TPH
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	12/15/23	21:48	TPH
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	12/15/23	21:48	TPH
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	12/15/23	21:48	TPH
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	12/15/23	21:48	TPH
Ethylbenzene	0.028	0.020		0.12	0.087	0.4	12/15/23	21:48	TPH
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	12/15/23	21:48	TPH
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	12/15/23	21:48	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	12/15/23	21:48	TPH
Methylene Chloride	ND	0.20		ND	0.69	0.4	12/15/23	21:48	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.020		ND	0.082	0.4	12/15/23	21:48	TPH
Styrene	0.23	0.020		0.99	0.085	0.4	12/15/23	21:48	TPH
1,1,1,2-Tetrachloroethane	ND	0.036	V-05	ND	0.25	0.4	12/15/23	21:48	TPH
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	12/15/23	21:48	TPH

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**ANALYTICAL RESULTS**

 Project Location: Providence, RI  
 Date Received: 12/14/2023  
**Field Sample #: Kitchen Storage**  
**Sample ID: 23L2265-04**  
 Sample Matrix: Indoor air  
 Sampled: 12/14/2023 12:53

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1824  
 Canister Size: 6 liter  
 Flow Controller ID: 4614  
 Sample Type: 30 min

**Work Order: 23L2265**  
 Initial Vacuum(in Hg): -30  
 Final Vacuum(in Hg): -5  
 Receipt Vacuum(in Hg): -0.1  
 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		
Tetrachloroethylene	ND	0.020		ND	0.14	0.4	12/15/23 21:48	TPH	
Toluene	0.11	0.020		0.41	0.075	0.4	12/15/23 21:48	TPH	
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	12/15/23 21:48	TPH	
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	12/15/23 21:48	TPH	
Trichloroethylene	ND	0.010		ND	0.054	0.4	12/15/23 21:48	TPH	
Trichlorofluoromethane (Freon 11)	0.22	0.080		1.3	0.45	0.4	12/15/23 21:48	TPH	
1,2,4-Trimethylbenzene	ND	0.020		ND	0.098	0.4	12/15/23 21:48	TPH	
1,3,5-Trimethylbenzene	ND	0.020		ND	0.098	0.4	12/15/23 21:48	TPH	
Vinyl Chloride	ND	0.020		ND	0.051	0.4	12/15/23 21:48	TPH	
m&p-Xylene	0.058	0.040		0.25	0.17	0.4	12/15/23 21:48	TPH	
o-Xylene	0.023	0.020		0.10	0.087	0.4	12/15/23 21:48	TPH	

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	95.9	70-130	12/15/23 21:48
4-Bromofluorobenzene (2)	102	70-130	12/15/23 21:48



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**Sample Extraction Data**

**Prep Method:TO-15 Prep      Analytical Method:EPA TO-15**

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
23L2265-01 [Room 116]	B361102	1	1	N/A	1000	400	1000	12/15/23
23L2265-02 [Room 145]	B361102	1	1	N/A	1000	400	1000	12/15/23
23L2265-03 [Room 152]	B361102	1	1	N/A	1000	400	1000	12/15/23
23L2265-04 [Kitchen Storage]	B361102	1	1	N/A	1000	400	1000	12/15/23

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## QUALITY CONTROL

## Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	RPD	Flag/Qual
	Results	RL	Results	RL	ppbv	Result	Limits	RPD	
<b>Batch B361102 - TO-15 Prep</b>									
<b>Blank (B361102-BLK1)</b>					Prepared & Analyzed: 12/15/23				
Acetone	ND	0.80							
Acrylonitrile	ND	0.12							
Benzene	ND	0.020							
Bromodichloromethane	ND	0.010							
Bromoform	ND	0.020							
2-Butanone (MEK)	ND	0.80							
n-Butylbenzene	ND	0.058							
sec-Butylbenzene	ND	0.046							
Carbon Tetrachloride	ND	0.010							V-34
Chlorobenzene	ND	0.020							
Chloroethane	ND	0.020							
Chloroform	ND	0.010							
Chloromethane	ND	0.040							
Dibromochloromethane	ND	0.010							
1,2-Dibromoethane (EDB)	ND	0.010							
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	0.010							
1,2-Dichloroethane	ND	0.010							
1,1-Dichloroethylene	ND	0.010							
cis-1,2-Dichloroethylene	ND	0.010							
trans-1,2-Dichloroethylene	ND	0.010							
1,2-Dichloropropane	ND	0.010							
1,3-Dichloropropane	ND	0.054							
cis-1,3-Dichloropropene	ND	0.010							
trans-1,3-Dichloropropene	ND	0.010							
Ethylbenzene	ND	0.020							
Isopropylbenzene (Cumene)	ND	0.051							
p-Isopropyltoluene (p-Cymene)	ND	0.046							
Methyl tert-Butyl Ether (MTBE)	ND	0.020							
Methylene Chloride	ND	0.20							
4-Methyl-2-pentanone (MIBK)	ND	0.020							
Styrene	ND	0.020							
1,1,1,2-Tetrachloroethane	ND	0.036							V-05
1,1,2,2-Tetrachloroethane	ND	0.010							
Tetrachloroethylene	ND	0.020							
Toluene	ND	0.020							
1,1,1-Trichloroethane	ND	0.010							
1,1,2-Trichloroethane	ND	0.010							
Trichloroethylene	ND	0.010							
Trichlorofluoromethane (Freon 11)	ND	0.080							
1,2,4-Trimethylbenzene	ND	0.020							
1,3,5-Trimethylbenzene	ND	0.020							
Vinyl Chloride	ND	0.020							

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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	RPD		
<b>Batch B361102 - TO-15 Prep</b>										
<b>Blank (B361102-BLK1)</b>					Prepared & Analyzed: 12/15/23					
m&p-Xylene	ND	0.040								
o-Xylene	ND	0.020								
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	7.56				8.00		94.5		70-130	
<i>Surrogate: 4-Bromofluorobenzene (2)</i>	8.00				8.00		100		70-130	
<b>LCS (B361102-BS1)</b>					Prepared & Analyzed: 12/15/23					
Acetone	4.96				5.00		99.2		70-130	
Acrylonitrile	3.11				2.88		108		70-130	
Benzene	4.46				5.00		89.2		70-130	
Bromodichloromethane	4.26				5.00		85.2		70-130	
Bromoform	5.15				5.00		103		70-130	
2-Butanone (MEK)	5.03				5.00		101		70-130	
n-Butylbenzene	1.11				1.14		97.4		70-130	
sec-Butylbenzene	1.20				1.14		106		70-130	
Carbon Tetrachloride	4.32				5.00		86.4		70-130	V-34
Chlorobenzene	4.47				5.00		89.4		70-130	
Chloroethane	5.01				5.00		100		70-130	
Chloroform	4.47				5.00		89.4		70-130	
Chloromethane	4.20				5.00		84.0		70-130	
Dibromochloromethane	4.88				5.00		97.6		70-130	
1,2-Dibromoethane (EDB)	4.56				5.00		91.2		70-130	
1,2-Dichlorobenzene	5.13				5.00		103		70-130	
1,3-Dichlorobenzene	5.05				5.00		101		70-130	
1,4-Dichlorobenzene	5.09				5.00		102		70-130	
Dichlorodifluoromethane (Freon 12)	4.34				5.00		86.8		70-130	
1,1-Dichloroethane	4.28				5.00		85.6		70-130	
1,2-Dichloroethane	4.57				5.00		91.4		70-130	
1,1-Dichloroethylene	4.40				5.00		88.0		70-130	
cis-1,2-Dichloroethylene	4.47				5.00		89.4		70-130	
trans-1,2-Dichloroethylene	4.58				5.00		91.6		70-130	
1,2-Dichloropropane	4.06				5.00		81.2		70-130	
1,3-Dichloropropane	1.07				1.35		79.1		70-130	
cis-1,3-Dichloropropene	4.49				5.00		89.8		70-130	
trans-1,3-Dichloropropene	4.84				5.00		96.8		70-130	
Ethylbenzene	4.88				5.00		97.6		70-130	
Isopropylbenzene (Cumene)	1.12				1.27		88.3		70-130	
p-Isopropyltoluene (p-Cymene)	1.28				1.14		112		70-130	
Methyl tert-Butyl Ether (MTBE)	4.69				5.00		93.8		70-130	
Methylene Chloride	4.12				5.00		82.4		70-130	
4-Methyl-2-pentanone (MIBK)	5.19				5.00		104		70-130	
Styrene	5.05				5.00		101		70-130	
1,1,1,2-Tetrachloroethane	0.663				0.910		72.9		70-130	V-05
1,1,2,2-Tetrachloroethane	4.45				5.00		89.0		70-130	
Tetrachloroethylene	4.29				5.00		85.8		70-130	
Toluene	4.78				5.00		95.6		70-130	
1,1,1-Trichloroethane	4.17				5.00		83.4		70-130	
1,1,2-Trichloroethane	4.43				5.00		88.6		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 B361102 - TO-15 Prep**
**LCS (B361102-BS1)**

Prepared &amp; Analyzed: 12/15/23

Trichloroethylene	4.44				5.00		88.8	70-130			
Trichlorofluoromethane (Freon 11)	5.22				5.00		104	70-130			
1,2,4-Trimethylbenzene	5.23				5.00		105	70-130			
1,3,5-Trimethylbenzene	5.13				5.00		103	70-130			
Vinyl Chloride	4.60				5.00		92.0	70-130			
m&p-Xylene	10.5				10.0		105	70-130			
o-Xylene	4.97				5.00		99.4	70-130			
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	<i>8.14</i>				<i>8.00</i>		<i>102</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene (2)</i>	<i>7.84</i>				<i>8.00</i>		<i>98.0</i>	<i>70-130</i>			

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**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.

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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
<b>Initial Cal Check (S095502-ICV1)</b>									
Lab File ID: G23A292017.D					Analyzed: 03/20/23 02:22				
Bromochloromethane (1)	1107131	8.036	1080445	8.03	102	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2388965	9.804	2308848	9.804	103	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2148001	14.157	2077591	14.157	103	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (2)	2464621	10.068	2543537	10.068	97	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	618374	14.433	624901	14.44	99	60 - 140	-0.0070	+/-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
<b>Calibration Check (S097962-CCV1)</b>									
Lab File ID: G23A349003.D					Analyzed: 12/15/23 12:43				
Bromochloromethane (1)	827476	8.03				60 - 140		+/-0.50	
1,4-Difluorobenzene (1)	1837090	9.804				60 - 140		+/-0.50	
Chlorobenzene-d5 (1)	1726562	14.157				60 - 140		+/-0.50	
1,4-Difluorobenzene (2)	1784219	9.798				60 - 140		+/-0.50	
Chlorobenzene-d5 (2)	456493	14.157				60 - 140		+/-0.50	
<b>LCS (B361102-BS1)</b>									
Lab File ID: G23A349004.D					Analyzed: 12/15/23 13:23				
Bromochloromethane (1)	817790	8.03	827476	8.03	99	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	1832851	9.798	1837090	9.804	100	60 - 140	-0.0060	+/-0.50	
Chlorobenzene-d5 (1)	1710496	14.157	1726562	14.157	99	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (2)	1728111	9.798	1784219	9.798	97	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	449796	14.157	456493	14.157	99	60 - 140	0.0000	+/-0.50	
<b>Blank (B361102-BLK1)</b>									
Lab File ID: G23A349011.D					Analyzed: 12/15/23 18:19				
Bromochloromethane (1)	739558	8.03	827476	8.03	89	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	1577515	9.798	1837090	9.804	86	60 - 140	-0.0060	+/-0.50	
Chlorobenzene-d5 (1)	1470709	14.157	1726562	14.157	85	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (2)	1573893	9.798	1784219	9.798	88	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	405898	14.151	456493	14.157	89	60 - 140	-0.0060	+/-0.50	
<b>Room 116 (23L2265-01)</b>									
Lab File ID: G23A349012.D					Analyzed: 12/15/23 19:11				
Bromochloromethane (1)	741720	8.036	827476	8.03	90	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	1585698	9.798	1837090	9.804	86	60 - 140	-0.0060	+/-0.50	
Chlorobenzene-d5 (1)	1498085	14.157	1726562	14.157	87	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (2)	1581936	9.798	1784219	9.798	89	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	413865	14.157	456493	14.157	91	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
<b>Room 145 (23L2265-02 )</b>		Lab File ID: G23A349013.D			Analyzed: 12/15/23 20:04				
Bromochloromethane (1)	754732	8.03	827476	8.03	91	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	1585779	9.798	1837090	9.804	86	60 - 140	-0.0060	+/-0.50	
Chlorobenzene-d5 (1)	1522178	14.157	1726562	14.157	88	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (2)	1583041	9.798	1784219	9.798	89	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	421187	14.151	456493	14.157	92	60 - 140	-0.0060	+/-0.50	
<b>Room 152 (23L2265-03 )</b>		Lab File ID: G23A349014.D			Analyzed: 12/15/23 20:57				
Bromochloromethane (1)	771701	8.03	827476	8.03	93	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	1615148	9.804	1837090	9.804	88	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1539080	14.157	1726562	14.157	89	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (2)	1612846	9.804	1784219	9.798	90	60 - 140	0.0060	+/-0.50	
Chlorobenzene-d5 (2)	427448	14.157	456493	14.157	94	60 - 140	0.0000	+/-0.50	
<b>Kitchen Storage (23L2265-04 )</b>		Lab File ID: G23A349015.D			Analyzed: 12/15/23 21:48				
Bromochloromethane (1)	814596	8.03	827476	8.03	98	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	1710910	9.798	1837090	9.804	93	60 - 140	-0.0060	+/-0.50	
Chlorobenzene-d5 (1)	1613985	14.157	1726562	14.157	93	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (2)	1709366	9.798	1784219	9.798	96	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	443865	14.151	456493	14.157	97	60 - 140	-0.0060	+/-0.50	

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## CONTINUING CALIBRATION CHECK

## EPA TO-15

## S097962-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	4.98	1.253837	1.249221		-0.4	30
Acrylonitrile	A	2.88	3.05	0.4398522	0.4658278		5.9	30
Benzene	A	5.00	4.83	0.8684626	0.8388214		-3.4	30
Bromodichloromethane	A	5.00	4.72	0.6466079	0.6107416		-5.5	30
Bromoform	A	5.00	5.48	0.49181	0.5392608		9.6	30
2-Butanone (MEK)	A	5.00	5.14	1.368491	1.405699		2.7	30
n-Butylbenzene	A	1.14	1.11	7.861354	7.634313		-2.9	30
sec-Butylbenzene	A	1.14	1.18	8.408118	8.705254		3.5	30
Carbon Tetrachloride	A	5.00	4.89	0.5028663	0.491547		-2.3	30
Chlorobenzene	A	5.00	4.86	0.7938095	0.7723381		-2.7	30
Chloroethane	A	5.00	5.21	0.3867242	0.4031073		4.2	30
Chloroform	A	5.00	4.74	1.333154	1.262846		-5.3	30
Chloromethane	A	5.00	4.63	0.8060089	0.7458595		-7.5	30
Dibromochloromethane	A	5.00	5.18	0.5690602	0.5898826		3.7	30
1,2-Dibromoethane (EDB)	A	5.00	5.02	0.5508419	0.5535829		0.5	30
1,2-Dichlorobenzene	A	5.00	5.39	0.611771	0.6600641		7.9	30
1,3-Dichlorobenzene	A	5.00	5.40	0.6655601	0.7187954		8.0	30
1,4-Dichlorobenzene	A	5.00	5.43	0.6548725	0.7116061		8.7	30
Dichlorodifluoromethane (Freon 12)	A	5.00	4.57	1.473649	1.347361		-8.6	30
1,1-Dichloroethane	A	5.00	4.61	1.285457	1.185423		-7.8	30
1,2-Dichloroethane	A	5.00	4.97	0.8583468	0.8534522		-0.6	30
1,1-Dichloroethylene	A	5.00	4.69	1.158191	1.085926		-6.2	30
cis-1,2-Dichloroethylene	A	5.00	4.84	0.8951228	0.86691		-3.2	30
trans-1,2-Dichloroethylene	A	5.00	4.70	0.9491098	0.892766		-5.9	30
1,2-Dichloropropane	A	5.00	4.39	0.3842394	0.3370748		-12.3	30
1,3-Dichloropropane	A	1.35	1.07	3.601418	2.844306		-21.0	30
cis-1,3-Dichloropropene	A	5.00	5.40	0.4877278	0.5270701		8.1	30
trans-1,3-Dichloropropene	A	5.00	4.87	0.418464	0.4079278		-2.5	30
Ethylbenzene	A	5.00	5.38	1.272472	1.370317		7.7	30
Isopropylbenzene (Cumene)	A	1.27	1.17	7.916069	7.295456		-7.8	30
p-Isopropyltoluene (p-Cymene)	A	1.14	1.26	6.326295	7.007306		10.8	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.89	1.657241	1.622033		-2.1	30
Methylene Chloride	A	5.00	4.38	0.9400837	0.8241564		-12.3	30
4-Methyl-2-pentanone (MIBK)	A	5.00	5.47	0.7265234	0.7941682		9.3	30
Styrene	A	5.00	5.58	0.6906671	0.7713762		11.7	30
1,1,1,2-Tetrachloroethane	A	0.910	0.549	2.850121	1.718193		-39.7	30 *
1,1,1,2,2-Tetrachloroethane	A	5.00	4.85	0.8772082	0.8504846		-3.0	30
Tetrachloroethylene	A	5.00	4.66	0.4521555	0.4213821		-6.8	30



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## CONTINUING CALIBRATION CHECK

EPA TO-15

S097962-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Toluene	A	5.00	5.17	1.010526	1.044389		3.4	30
1,1,1-Trichloroethane	A	5.00	4.75	0.5448066	0.517319		-5.0	30
1,1,2-Trichloroethane	A	5.00	4.80	0.3695607	0.3551233		-3.9	30
Trichloroethylene	A	5.00	4.86	0.3627816	0.3524844		-2.8	30
Trichlorofluoromethane (Freon 11)	A	5.00	5.61	1.654139	1.854803		12.1	30
1,2,4-Trimethylbenzene	A	5.00	5.71	0.9638546	1.101027		14.2	30
1,3,5-Trimethylbenzene	A	5.00	5.56	1.010116	1.123469		11.2	30
Vinyl Chloride	A	5.00	4.91	0.8419547	0.8264515		-1.8	30
m&p-Xylene	A	10.0	11.4	0.9796309	1.117312		14.1	30
o-Xylene	A	5.00	5.47	0.9863106	1.078537		9.4	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	NY,ME,NH
Acrylonitrile	NJ,NY,ME,NH
Benzene	FL,NJ,NY,ME,NH,VA
Bromodichloromethane	NJ,NY,ME,NH,VA
Bromoform	NJ,NY,ME,NH,VA
2-Butanone (MEK)	FL,NJ,NY,ME,NH,VA
Carbon Tetrachloride	FL,NJ,NY,ME,NH,VA
Chlorobenzene	FL,NJ,NY,ME,NH,VA
Chloroethane	FL,NJ,NY,ME,NH,VA
Chloroform	FL,NJ,NY,ME,NH,VA
Chloromethane	FL,NJ,NY,ME,NH,VA
Dibromochloromethane	NY,ME,NH
1,2-Dibromoethane (EDB)	NJ,NY,ME,NH
1,2-Dichlorobenzene	FL,NJ,NY,ME,NH,VA
1,3-Dichlorobenzene	NJ,NY,ME,NH
1,4-Dichlorobenzene	FL,NJ,NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	NY,ME,NH
1,1-Dichloroethane	FL,NJ,NY,ME,NH,VA
1,2-Dichloroethane	FL,NJ,NY,ME,NH,VA
1,1-Dichloroethylene	FL,NJ,NY,ME,NH,VA
cis-1,2-Dichloroethylene	FL,NY,ME,NH,VA
trans-1,2-Dichloroethylene	NJ,NY,ME,NH,VA
1,2-Dichloropropane	FL,NJ,NY,ME,NH,VA
cis-1,3-Dichloropropene	FL,NJ,NY,ME,NH,VA
trans-1,3-Dichloropropene	NY,ME,NH
Ethylbenzene	FL,NJ,NY,ME,NH,VA
Isopropylbenzene (Cumene)	NJ,NY,ME,NH
Methyl tert-Butyl Ether (MTBE)	FL,NJ,NY,ME,NH,VA
Methylene Chloride	FL,NJ,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	FL,NJ,NY,ME,NH
Styrene	FL,NJ,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	FL,NJ,NY,ME,NH,VA
Tetrachloroethylene	FL,NJ,NY,ME,NH,VA
Toluene	FL,NJ,NY,ME,NH,VA
1,1,1-Trichloroethane	FL,NJ,NY,ME,NH,VA
1,1,2-Trichloroethane	FL,NJ,NY,ME,NH,VA
Trichloroethylene	FL,NJ,NY,ME,NH,VA
Trichlorofluoromethane (Freon 11)	NY,ME,NH
1,2,4-Trimethylbenzene	NJ,NY,ME,NH
1,3,5-Trimethylbenzene	NJ,NY,ME,NH
Vinyl Chloride	FL,NJ,NY,ME,NH,VA
m&p-Xylene	FL,NJ,NY,ME,NH,VA
o-Xylene	FL,NJ,NY,ME,NH,VA

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

Code	Description	Number	Expires
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
NJ	New Jersey DEP	MA007 NELAP	06/30/2024
FL	Florida Department of Health	E871027 NELAP	06/30/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024

DOC #378 REV3\_11232021

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Phone: 413-525-2332  
 Fax: 413-525-6405  
 www.pacelabs.com

39 Spruce Street  
 East Longmeadow, MA 01028  
 Page 1 of 1

ANALYSIS REQUESTED

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 Agida Agreement

Lab Receipt Pressure

Final Pressure

Initial Pressure

" Hg

Summa Can ID

Flow Controller ID

Summa Can ID: 1057, 1114, 1944, 1824

Flow Controller ID: 4591, 4592, 4613, 4614

7-Day  10-Day  3-Day  4-Day

Due Date: \_\_\_\_\_

Format: PDF  EXCEL

Other: please report in us 3

CLP Like Data Pkg Required:

Email To: jalvarez@east.com

Fax To #: 413.525.2332

Company Name: EA Engineering

Address: 301 Metro Center Blvd Ste 102 Woburn MA 01896

Phone: 401-730-3440

Project Location: Pondence R1

Project Number: 1501011

Project Manager: Jayathan Alvarez

Pace Quote Name/Number: \_\_\_\_\_

Invoice Recipient: Melanie Dina

Sampled By: GJ

Lab Use	Pace Work Order#	Client Sample ID / Description	Collection Data		Duration	Flow Rate	Matrix	Volume
			Beginning Date/Time	Ending Date/Time				
01	Room 116	12/14/23 1240	12/14/23 1319	39		IA	6	
02	Room 145	1231	1306	35		↓	↓	
03	Room 152	1234	1309	35		↓	↓	
04	Kitchen Storage	1218	1253	35		↓	↓	

TO15-SIM

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  
 AME = AMBIENT  
 SS = SUB SLAB  
 D = DUP  
 BL = BLANK  
 O = Other

MA MCP Required

MCP Certification Form Required

CT RCP Required

RCP Certification Form Required

Other

Date/Time: 12/14/23 1540

Date/Time: 12/14/23 1540

Date/Time: 12/14/23 1826

Date/Time: 12/14/23 1826

Relinquished by: (signature) Melanie Dina

Received by: (signature) [Signature]

Relinquished by: (signature) [Signature]

Received by: (signature) [Signature]

Relinquished by: (signature) [Signature]

Received by: (signature) [Signature]

Project Entity

Government  Federal  City

Municipality  21 J  Brownfield

MWRA  School  MBTA


WRTA

Other  Chromatogram  AHA-LAP, LLC

PCB ONLY  Soxhlet  Non Soxhlet

NEIAC and AHA-LAP, LLC Accredited



	DC#_Title: ENV-FRM-ELON-0009 v04_Air Sample Receiving Checklist
	Effective Date: 07/13/2023

### Log In Back-Sheet

Client EA Engineering  
 Project Avarez High School  
 MCP/RCP Required \_\_\_\_\_  
 Deliverable Package Requirement \_\_\_\_\_  
 Location Providence, RI  
 PWSID# (When Applicable) \_\_\_\_\_  
 Arrival Method Courier  
 Received By / Date / Time MEM 12/14/23 1826  
 Back-Sheet By / Date / Time KMC 12/14/23 0900  
 Temperature Method \_\_\_\_\_ # \_\_\_\_\_  
 Temp ≤ 6° C  Actual Temperature \_\_\_\_\_  
 Rush Samples:  Yes / No 3 day Notify \_\_\_\_\_  
 Short Hold: Yes /  No \_\_\_\_\_ Notify \_\_\_\_\_

Log In Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy)  
 Any False statement will be brought to the attention of the Client – True or False

	True	False
Received on Ice	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Received in Cooler	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Custody Seal: DATE _____ TIME _____	<input type="checkbox"/>	<input checked="" type="checkbox"/>
COC Relinquished	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COC/Samples Labels Agree	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Samples in Good Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Samples Received within Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there enough Volume	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Proper Media/Container Used	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Individually Certified Cans	<input checked="" type="checkbox"/> (4)	<input type="checkbox"/>
Trip Blanks	<input type="checkbox"/>	<input checked="" type="checkbox"/>
COC Legible	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COC Included: (Check all included)		
Client	<input checked="" type="checkbox"/>	Analysis <input checked="" type="checkbox"/> Sampler Name <input checked="" type="checkbox"/>
Project	<input checked="" type="checkbox"/>	IDs <input checked="" type="checkbox"/> Collection Date/Time <input checked="" type="checkbox"/>

**Notes regarding Samples/COC outside of SOP:**  
 \_\_\_\_\_  
 \_\_\_\_\_

Container	#	Size	Regulator	Duration	Accessories			
Summa Cans	4	6L	4	30min	Nut/Ferrule		IC Train	4
Tedlar Bags					Tubing			
TO-17 Tubes					T-Connector		Shipping Charges	
Radiello					Syringe			
Pufs/ TO-11					Tedlar			

Can #'s	5	10	15	Regs #'s	5	10	15
1 1057	6	11	16	1 4591	6	11	16
2 1114	7	12	17	2 4592	7	12	17
3 1944	8	13	18	3 4613	8	13	18
4 1824	9	14	19	4 4614	9	14	19
Unused Media	4	9	14	Pufs/TO-17's	5	10	15
1	5	10	15	1	6	11	16
2	6	11	16	2	7	12	17
3	7	12	17	3	8	13	18
4	8	13	18	4	9	14	19

January 15, 2024

Johnathan Alvarez  
EA Engineering Science & Tech. - RI  
301 Metro Center Blvd, Suite 102  
Warwick, RI 02886

Project Location: Alvarez High School  
Client Job Number:  
Project Number: 1506611  
Laboratory Work Order Number: 24A1083

Enclosed are results of analyses for samples as received by the laboratory on January 10, 2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kaitlyn A. Feliciano  
Project Manager

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EA Engineering Science & Tech. - RI  
 301 Metro Center Blvd, Suite 102  
 Warwick, RI 02886  
 ATTN: Johnathan Alvarez

REPORT DATE: 1/15/2024

PURCHASE ORDER NUMBER: 18155

PROJECT NUMBER: 1506611

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 24A1083

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

PROJECT LOCATION: Alvarez High School

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Gymnasium	24A1083-01	Indoor air		- EPA TO-15	
Cafeteria	24A1083-02	Indoor air		- EPA TO-15	
Kitchen Storage Room	24A1083-03	Indoor air		- EPA TO-15	
Elevator Hallway	24A1083-04	Indoor air		- EPA TO-15	
Room 145	24A1083-05	Indoor air		- EPA TO-15	
Room 152	24A1083-06	Indoor air		- EPA TO-15	
Room 118	24A1083-07	Indoor air		- EPA TO-15	
Room 110	24A1083-08	Indoor air		- EPA TO-15	
Outdoor Ambient	24A1083-09	Ambient Air		- EPA TO-15	
IMP-1	24A1083-10	Sub Slab		- EPA TO-15	
IMP-2	24A1083-11	Sub Slab		- EPA TO-15	
MP-1	24A1083-12	Sub Slab		- EPA TO-15	
MP-3	24A1083-13	Sub Slab		- EPA TO-15	
MP-4	24A1083-14	Sub Slab		- EPA TO-15	
MP-6	24A1083-15	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.

Duplicate sample 24A1083-15 could not be re-analyzed due to limits sample volume.

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**EPA TO-15****Qualifications:****L-01**

Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

**Analyte & Samples(s) Qualified:****n-Butylbenzene**

B363343-BS1

**R-01**

Duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result.

**Analyte & Samples(s) Qualified:****1,2,4-Trimethylbenzene**

24A1083-15[MP-6], B363343-DUP1

**Acetone**

24A1083-15[MP-6], B363343-DUP1

**Benzene**

24A1083-15[MP-6], B363343-DUP1

**Carbon Tetrachloride**

24A1083-15[MP-6], B363343-DUP1

**Chloroform**

24A1083-15[MP-6], B363343-DUP1

**Chloromethane**

24A1083-15[MP-6], B363343-DUP1

**Dichlorodifluoromethane (Freon 12)**

24A1083-15[MP-6], B363343-DUP1

**m&p-Xylene**

24A1083-15[MP-6], B363343-DUP1

**Toluene**

24A1083-15[MP-6], B363343-DUP1

**Vinyl Chloride**

24A1083-15[MP-6], B363343-DUP1

**R-04**

Duplicate relative percent difference (RPD) is outside of control limits. RPD is a less useful indicator of sample precision for sample results that are <5 times the reporting limit (RL).

**Analyte & Samples(s) Qualified:****1,1-Dichloroethane**

24A1083-15[MP-6], B363343-DUP1

**1,2-Dichloroethane**

24A1083-15[MP-6], B363343-DUP1

**1,3,5-Trimethylbenzene**

24A1083-15[MP-6], B363343-DUP1

**2-Butanone (MEK)**

24A1083-15[MP-6], B363343-DUP1

**4-Methyl-2-pentanone (MIBK)**

B363343-DUP1

**Chloroethane**

24A1083-15[MP-6], B363343-DUP1

**Ethylbenzene**

24A1083-15[MP-6], B363343-DUP1

**Methylene Chloride**

24A1083-15[MP-6], B363343-DUP1

**o-Xylene**

24A1083-15[MP-6], B363343-DUP1

**Styrene**

24A1083-15[MP-6], B363343-DUP1

**Tetrachloroethylene**

24A1083-15[MP-6], B363343-DUP1

**Trichloroethylene**

24A1083-15[MP-6], B363343-DUP1

**Trichlorofluoromethane (Freon 11)**

24A1083-15[MP-6], B363343-DUP1

**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:****1,2-Dichloropropane**

24A1083-01[Gymnasium], 24A1083-02[Cafeteria], 24A1083-03[Kitchen Storage Room], 24A1083-04[Elevator Hallway], 24A1083-05[Room 145], 24A1083-06[Room 152], 24A1083-07[Room 118], 24A1083-08[Room 110], 24A1083-09[Outdoor Ambient], 24A1083-10[IMP-1], 24A1083-11[IMP-2], 24A1083-12[MP-1], 24A1083-13[MP-3], 24A1083-14[MP-4], 24A1083-15[MP-6], B363343-BLK1, B363343-BS1, B363343-DUP1, S099171-CCV1

**V-29**

Internal Standard response >40% of associated continuing calibration internal standard response.

**Analyte & Samples(s) Qualified:****1,2,4-Trimethylbenzene**

B363343-DUP1

**1,4-Difluorobenzene (2)**

B363343-DUP1

**4-Methyl-2-pentanone (MIBK)**

B363343-DUP1

**Acrylonitrile**

B363343-DUP1

**Carbon Tetrachloride**

B363343-DUP1

**Chlorobenzene-d5 (1)**

B363343-DUP1

**Chlorobenzene-d5 (2)**

B363343-DUP1

**Ethylbenzene**

B363343-DUP1

**m&p-Xylene**

B363343-DUP1

**o-Xylene**

B363343-DUP1

**Styrene**

B363343-DUP1

**Tetrachloroethylene**

B363343-DUP1

**Toluene**

B363343-DUP1

**Trichloroethylene**

B363343-DUP1

**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:****Carbon Tetrachloride**

24A1083-01[Gymnasium], 24A1083-02[Cafeteria], 24A1083-03[Kitchen Storage Room], 24A1083-04[Elevator Hallway], 24A1083-05[Room 145], 24A1083-06[Room 152], 24A1083-07[Room 118], 24A1083-08[Room 110], 24A1083-09[Outdoor Ambient], 24A1083-10[IMP-1], 24A1083-11[IMP-2], 24A1083-12[MP-1], 24A1083-13[MP-3], 24A1083-14[MP-4], 24A1083-15[MP-6], B363343-BLK1, B363343-BS1, B363343-DUP1, S099171-CCV1

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#### EPA TO-15

Initial and continuing calibrations met all required performance standards for RCP compounds that are Title III Clean Air Act Amendment compounds listed in table 1 of the TO-15 method unless otherwise specified in this narrative.

Laboratory control sample recoveries and sample replicate RPDs were all within limits specified by the method for RCP compounds that are Title III Clean Air Act Amendment compounds listed in table 1 of the TO-15 method unless otherwise specified in this narrative. Recovery limits of 50-150% are used for propene, acetone, ethanol, isopropanol, ethyl acetate, tetrahydrofuran, cyclohexane, heptane, 2-hexanone, 4-ethyltoluene, n-butylbenzene, sec-butylbenzene, 4-isopropyltoluene, and 1,1,1,2-tetrachloroethane.

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

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**ANALYTICAL RESULTS**

 Project Location: Alvarez High School  
 Date Received: 1/10/2024  
**Field Sample #: Gymnasium**  
**Sample ID: 24A1083-01**  
 Sample Matrix: Indoor air  
 Sampled: 1/9/2024 11:26

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1493  
 Canister Size: 6 liter  
 Flow Controller ID: 4294  
 Sample Type: 30 min

**Work Order: 24A1083**  
 Initial Vacuum(in Hg): -30  
 Final Vacuum(in Hg): -5  
 Receipt Vacuum(in Hg): -4.7  
 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	4.4	0.80		11	1.9	0.4	1/12/24 15:03		CMR
Acrylonitrile	ND	0.12		ND	0.25	0.4	1/12/24 15:03		CMR
Benzene	0.34	0.020		1.1	0.064	0.4	1/12/24 15:03		CMR
Bromodichloromethane	ND	0.010		ND	0.067	0.4	1/12/24 15:03		CMR
Bromoform	ND	0.020		ND	0.21	0.4	1/12/24 15:03		CMR
2-Butanone (MEK)	ND	0.80		ND	2.4	0.4	1/12/24 15:03		CMR
n-Butylbenzene	ND	0.058		ND	0.32	0.4	1/12/24 15:03		CMR
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	1/12/24 15:03		CMR
Carbon Tetrachloride	0.079	0.010	V-34	0.50	0.063	0.4	1/12/24 15:03		CMR
Chlorobenzene	ND	0.020		ND	0.092	0.4	1/12/24 15:03		CMR
Chloroethane	ND	0.020		ND	0.053	0.4	1/12/24 15:03		CMR
Chloroform	0.049	0.010		0.24	0.049	0.4	1/12/24 15:03		CMR
Chloromethane	0.44	0.040		0.90	0.083	0.4	1/12/24 15:03		CMR
Dibromochloromethane	ND	0.010		ND	0.085	0.4	1/12/24 15:03		CMR
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	1/12/24 15:03		CMR
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/12/24 15:03		CMR
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/12/24 15:03		CMR
1,4-Dichlorobenzene	0.030	0.020		0.18	0.12	0.4	1/12/24 15:03		CMR
Dichlorodifluoromethane (Freon 12)	0.20	0.020		0.98	0.099	0.4	1/12/24 15:03		CMR
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	1/12/24 15:03		CMR
1,2-Dichloroethane	0.024	0.010		0.097	0.040	0.4	1/12/24 15:03		CMR
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/12/24 15:03		CMR
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/12/24 15:03		CMR
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/12/24 15:03		CMR
1,2-Dichloropropane	ND	0.010	V-05	ND	0.046	0.4	1/12/24 15:03		CMR
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	1/12/24 15:03		CMR
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/12/24 15:03		CMR
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/12/24 15:03		CMR
Ethylbenzene	0.064	0.020		0.28	0.087	0.4	1/12/24 15:03		CMR
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	1/12/24 15:03		CMR
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	1/12/24 15:03		CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	1/12/24 15:03		CMR
Methylene Chloride	ND	0.20		ND	0.69	0.4	1/12/24 15:03		CMR
4-Methyl-2-pentanone (MIBK)	0.054	0.020		0.22	0.082	0.4	1/12/24 15:03		CMR
Styrene	ND	0.020		ND	0.085	0.4	1/12/24 15:03		CMR
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	1/12/24 15:03		CMR
1,1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	1/12/24 15:03		CMR

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**ANALYTICAL RESULTS**

 Project Location: Alvarez High School  
 Date Received: 1/10/2024  
**Field Sample #: Gymnasium**  
**Sample ID: 24A1083-01**  
 Sample Matrix: Indoor air  
 Sampled: 1/9/2024 11:26

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1493  
 Canister Size: 6 liter  
 Flow Controller ID: 4294  
 Sample Type: 30 min

**Work Order: 24A1083**  
 Initial Vacuum(in Hg): -30  
 Final Vacuum(in Hg): -5  
 Receipt Vacuum(in Hg): -4.7  
 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		
Tetrachloroethylene	0.18	0.020		1.2	0.14	0.4	1/12/24 15:03		CMR
Toluene	0.78	0.020		3.0	0.075	0.4	1/12/24 15:03		CMR
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	1/12/24 15:03		CMR
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	1/12/24 15:03		CMR
Trichloroethylene	ND	0.010		ND	0.054	0.4	1/12/24 15:03		CMR
Trichlorofluoromethane (Freon 11)	0.26	0.080		1.4	0.45	0.4	1/12/24 15:03		CMR
1,2,4-Trimethylbenzene	0.067	0.020		0.33	0.098	0.4	1/12/24 15:03		CMR
1,3,5-Trimethylbenzene	ND	0.020		ND	0.098	0.4	1/12/24 15:03		CMR
Vinyl Chloride	ND	0.020		ND	0.051	0.4	1/12/24 15:03		CMR
m&p-Xylene	0.21	0.040		0.93	0.17	0.4	1/12/24 15:03		CMR
o-Xylene	0.078	0.020		0.34	0.087	0.4	1/12/24 15:03		CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	104	70-130	1/12/24 15:03
4-Bromofluorobenzene (2)	99.2	70-130	1/12/24 15:03

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**ANALYTICAL RESULTS**

 Project Location: Alvarez High School  
 Date Received: 1/10/2024  
**Field Sample #: Cafeteria**  
**Sample ID: 24A1083-02**  
 Sample Matrix: Indoor air  
 Sampled: 1/9/2024 11:33

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1644  
 Canister Size: 6 liter  
 Flow Controller ID: 4212  
 Sample Type: 30 min

**Work Order: 24A1083**  
 Initial Vacuum(in Hg): -28.5  
 Final Vacuum(in Hg): -5  
 Receipt Vacuum(in Hg): -4.9  
 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	5.9	0.80		14	1.9	0.4	1/12/24 16:02		CMR
Acrylonitrile	ND	0.12		ND	0.25	0.4	1/12/24 16:02		CMR
Benzene	0.33	0.020		1.1	0.064	0.4	1/12/24 16:02		CMR
Bromodichloromethane	ND	0.010		ND	0.067	0.4	1/12/24 16:02		CMR
Bromoform	ND	0.020		ND	0.21	0.4	1/12/24 16:02		CMR
2-Butanone (MEK)	ND	0.80		ND	2.4	0.4	1/12/24 16:02		CMR
n-Butylbenzene	ND	0.058		ND	0.32	0.4	1/12/24 16:02		CMR
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	1/12/24 16:02		CMR
Carbon Tetrachloride	0.076	0.010	V-34	0.48	0.063	0.4	1/12/24 16:02		CMR
Chlorobenzene	ND	0.020		ND	0.092	0.4	1/12/24 16:02		CMR
Chloroethane	ND	0.020		ND	0.053	0.4	1/12/24 16:02		CMR
Chloroform	0.057	0.010		0.28	0.049	0.4	1/12/24 16:02		CMR
Chloromethane	0.45	0.040		0.92	0.083	0.4	1/12/24 16:02		CMR
Dibromochloromethane	ND	0.010		ND	0.085	0.4	1/12/24 16:02		CMR
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	1/12/24 16:02		CMR
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/12/24 16:02		CMR
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/12/24 16:02		CMR
1,4-Dichlorobenzene	0.053	0.020		0.32	0.12	0.4	1/12/24 16:02		CMR
Dichlorodifluoromethane (Freon 12)	0.20	0.020		0.97	0.099	0.4	1/12/24 16:02		CMR
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	1/12/24 16:02		CMR
1,2-Dichloroethane	0.021	0.010		0.086	0.040	0.4	1/12/24 16:02		CMR
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/12/24 16:02		CMR
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/12/24 16:02		CMR
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/12/24 16:02		CMR
1,2-Dichloropropane	ND	0.010	V-05	ND	0.046	0.4	1/12/24 16:02		CMR
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	1/12/24 16:02		CMR
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/12/24 16:02		CMR
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/12/24 16:02		CMR
Ethylbenzene	0.064	0.020		0.28	0.087	0.4	1/12/24 16:02		CMR
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	1/12/24 16:02		CMR
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	1/12/24 16:02		CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	1/12/24 16:02		CMR
Methylene Chloride	ND	0.20		ND	0.69	0.4	1/12/24 16:02		CMR
4-Methyl-2-pentanone (MIBK)	0.063	0.020		0.26	0.082	0.4	1/12/24 16:02		CMR
Styrene	0.031	0.020		0.13	0.085	0.4	1/12/24 16:02		CMR
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	1/12/24 16:02		CMR
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	1/12/24 16:02		CMR

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**ANALYTICAL RESULTS**

 Project Location: Alvarez High School  
 Date Received: 1/10/2024  
**Field Sample #: Cafeteria**  
**Sample ID: 24A1083-02**  
 Sample Matrix: Indoor air  
 Sampled: 1/9/2024 11:33

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1644  
 Canister Size: 6 liter  
 Flow Controller ID: 4212  
 Sample Type: 30 min

**Work Order: 24A1083**  
 Initial Vacuum(in Hg): -28.5  
 Final Vacuum(in Hg): -5  
 Receipt Vacuum(in Hg): -4.9  
 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		
Tetrachloroethylene	0.18	0.020		1.2	0.14	0.4	1/12/24 16:02		CMR
Toluene	0.72	0.020		2.7	0.075	0.4	1/12/24 16:02		CMR
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	1/12/24 16:02		CMR
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	1/12/24 16:02		CMR
Trichloroethylene	ND	0.010		ND	0.054	0.4	1/12/24 16:02		CMR
Trichlorofluoromethane (Freon 11)	0.26	0.080		1.5	0.45	0.4	1/12/24 16:02		CMR
1,2,4-Trimethylbenzene	0.062	0.020		0.31	0.098	0.4	1/12/24 16:02		CMR
1,3,5-Trimethylbenzene	ND	0.020		ND	0.098	0.4	1/12/24 16:02		CMR
Vinyl Chloride	ND	0.020		ND	0.051	0.4	1/12/24 16:02		CMR
m&p-Xylene	0.21	0.040		0.90	0.17	0.4	1/12/24 16:02		CMR
o-Xylene	0.075	0.020		0.32	0.087	0.4	1/12/24 16:02		CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	105	70-130	1/12/24 16:02
4-Bromofluorobenzene (2)	106	70-130	1/12/24 16:02



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**ANALYTICAL RESULTS**

 Project Location: Alvarez High School  
 Date Received: 1/10/2024  
**Field Sample #: Kitchen Storage Room**  
**Sample ID: 24A1083-03**  
 Sample Matrix: Indoor air  
 Sampled: 1/9/2024 11:31

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 2009  
 Canister Size: 6 liter  
 Flow Controller ID: 4075  
 Sample Type: 30 min

**Work Order: 24A1083**  
 Initial Vacuum(in Hg): -29  
 Final Vacuum(in Hg): -5  
 Receipt Vacuum(in Hg): -4.7  
 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	6.5	0.80		15	1.9	0.4	1/12/24 16:59		CMR
Acrylonitrile	ND	0.12		ND	0.25	0.4	1/12/24 16:59		CMR
Benzene	0.41	0.020		1.3	0.064	0.4	1/12/24 16:59		CMR
Bromodichloromethane	ND	0.010		ND	0.067	0.4	1/12/24 16:59		CMR
Bromoform	ND	0.020		ND	0.21	0.4	1/12/24 16:59		CMR
2-Butanone (MEK)	ND	0.80		ND	2.4	0.4	1/12/24 16:59		CMR
n-Butylbenzene	ND	0.058		ND	0.32	0.4	1/12/24 16:59		CMR
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	1/12/24 16:59		CMR
Carbon Tetrachloride	0.076	0.010	V-34	0.48	0.063	0.4	1/12/24 16:59		CMR
Chlorobenzene	ND	0.020		ND	0.092	0.4	1/12/24 16:59		CMR
Chloroethane	ND	0.020		ND	0.053	0.4	1/12/24 16:59		CMR
Chloroform	0.13	0.010		0.64	0.049	0.4	1/12/24 16:59		CMR
Chloromethane	0.44	0.040		0.91	0.083	0.4	1/12/24 16:59		CMR
Dibromochloromethane	ND	0.010		ND	0.085	0.4	1/12/24 16:59		CMR
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	1/12/24 16:59		CMR
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/12/24 16:59		CMR
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/12/24 16:59		CMR
1,4-Dichlorobenzene	0.061	0.020		0.37	0.12	0.4	1/12/24 16:59		CMR
Dichlorodifluoromethane (Freon 12)	0.21	0.020		1.1	0.099	0.4	1/12/24 16:59		CMR
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	1/12/24 16:59		CMR
1,2-Dichloroethane	0.026	0.010		0.11	0.040	0.4	1/12/24 16:59		CMR
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/12/24 16:59		CMR
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/12/24 16:59		CMR
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/12/24 16:59		CMR
1,2-Dichloropropane	ND	0.010	V-05	ND	0.046	0.4	1/12/24 16:59		CMR
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	1/12/24 16:59		CMR
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/12/24 16:59		CMR
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/12/24 16:59		CMR
Ethylbenzene	0.088	0.020		0.38	0.087	0.4	1/12/24 16:59		CMR
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	1/12/24 16:59		CMR
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	1/12/24 16:59		CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	1/12/24 16:59		CMR
Methylene Chloride	ND	0.20		ND	0.69	0.4	1/12/24 16:59		CMR
4-Methyl-2-pentanone (MIBK)	0.052	0.020		0.21	0.082	0.4	1/12/24 16:59		CMR
Styrene	0.083	0.020		0.35	0.085	0.4	1/12/24 16:59		CMR
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	1/12/24 16:59		CMR
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	1/12/24 16:59		CMR

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**ANALYTICAL RESULTS**

 Project Location: Alvarez High School  
 Date Received: 1/10/2024  
**Field Sample #: Kitchen Storage Room**  
**Sample ID: 24A1083-03**  
 Sample Matrix: Indoor air  
 Sampled: 1/9/2024 11:31

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 2009  
 Canister Size: 6 liter  
 Flow Controller ID: 4075  
 Sample Type: 30 min

**Work Order: 24A1083**  
 Initial Vacuum(in Hg): -29  
 Final Vacuum(in Hg): -5  
 Receipt Vacuum(in Hg): -4.7  
 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		
Tetrachloroethylene	0.19	0.020		1.3	0.14	0.4	1/12/24 16:59		CMR
Toluene	0.81	0.020		3.1	0.075	0.4	1/12/24 16:59		CMR
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	1/12/24 16:59		CMR
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	1/12/24 16:59		CMR
Trichloroethylene	ND	0.010		ND	0.054	0.4	1/12/24 16:59		CMR
Trichlorofluoromethane (Freon 11)	0.27	0.080		1.5	0.45	0.4	1/12/24 16:59		CMR
1,2,4-Trimethylbenzene	0.090	0.020		0.44	0.098	0.4	1/12/24 16:59		CMR
1,3,5-Trimethylbenzene	0.021	0.020		0.10	0.098	0.4	1/12/24 16:59		CMR
Vinyl Chloride	ND	0.020		ND	0.051	0.4	1/12/24 16:59		CMR
m&p-Xylene	0.28	0.040		1.2	0.17	0.4	1/12/24 16:59		CMR
o-Xylene	0.10	0.020		0.44	0.087	0.4	1/12/24 16:59		CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	103	70-130	1/12/24 16:59
4-Bromofluorobenzene (2)	102	70-130	1/12/24 16:59

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**ANALYTICAL RESULTS**

 Project Location: Alvarez High School  
 Date Received: 1/10/2024  
**Field Sample #: Elevator Hallway**  
**Sample ID: 24A1083-04**  
 Sample Matrix: Indoor air  
 Sampled: 1/9/2024 11:13

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 2223  
 Canister Size: 6 liter  
 Flow Controller ID: 4365  
 Sample Type: 30 min

**Work Order: 24A1083**  
 Initial Vacuum(in Hg): -30  
 Final Vacuum(in Hg): -2  
 Receipt Vacuum(in Hg): -2.0  
 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	5.4	0.80		13	1.9	0.4	1/12/24 17:53		CMR
Acrylonitrile	ND	0.12		ND	0.25	0.4	1/12/24 17:53		CMR
Benzene	0.41	0.020		1.3	0.064	0.4	1/12/24 17:53		CMR
Bromodichloromethane	ND	0.010		ND	0.067	0.4	1/12/24 17:53		CMR
Bromoform	ND	0.020		ND	0.21	0.4	1/12/24 17:53		CMR
2-Butanone (MEK)	ND	0.80		ND	2.4	0.4	1/12/24 17:53		CMR
n-Butylbenzene	ND	0.058		ND	0.32	0.4	1/12/24 17:53		CMR
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	1/12/24 17:53		CMR
Carbon Tetrachloride	0.074	0.010	V-34	0.46	0.063	0.4	1/12/24 17:53		CMR
Chlorobenzene	ND	0.020		ND	0.092	0.4	1/12/24 17:53		CMR
Chloroethane	ND	0.020		ND	0.053	0.4	1/12/24 17:53		CMR
Chloroform	0.074	0.010		0.36	0.049	0.4	1/12/24 17:53		CMR
Chloromethane	0.45	0.040		0.93	0.083	0.4	1/12/24 17:53		CMR
Dibromochloromethane	ND	0.010		ND	0.085	0.4	1/12/24 17:53		CMR
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	1/12/24 17:53		CMR
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/12/24 17:53		CMR
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/12/24 17:53		CMR
1,4-Dichlorobenzene	0.068	0.020		0.41	0.12	0.4	1/12/24 17:53		CMR
Dichlorodifluoromethane (Freon 12)	0.22	0.020		1.1	0.099	0.4	1/12/24 17:53		CMR
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	1/12/24 17:53		CMR
1,2-Dichloroethane	0.026	0.010		0.10	0.040	0.4	1/12/24 17:53		CMR
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/12/24 17:53		CMR
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/12/24 17:53		CMR
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/12/24 17:53		CMR
1,2-Dichloropropane	ND	0.010	V-05	ND	0.046	0.4	1/12/24 17:53		CMR
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	1/12/24 17:53		CMR
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/12/24 17:53		CMR
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/12/24 17:53		CMR
Ethylbenzene	0.099	0.020		0.43	0.087	0.4	1/12/24 17:53		CMR
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	1/12/24 17:53		CMR
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	1/12/24 17:53		CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	1/12/24 17:53		CMR
Methylene Chloride	ND	0.20		ND	0.69	0.4	1/12/24 17:53		CMR
4-Methyl-2-pentanone (MIBK)	0.042	0.020		0.17	0.082	0.4	1/12/24 17:53		CMR
Styrene	0.028	0.020		0.12	0.085	0.4	1/12/24 17:53		CMR
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	1/12/24 17:53		CMR
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	1/12/24 17:53		CMR

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**ANALYTICAL RESULTS**

 Project Location: Alvarez High School  
 Date Received: 1/10/2024  
**Field Sample #: Elevator Hallway**  
**Sample ID: 24A1083-04**  
 Sample Matrix: Indoor air  
 Sampled: 1/9/2024 11:13

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 2223  
 Canister Size: 6 liter  
 Flow Controller ID: 4365  
 Sample Type: 30 min

**Work Order: 24A1083**  
 Initial Vacuum(in Hg): -30  
 Final Vacuum(in Hg): -2  
 Receipt Vacuum(in Hg): -2.0  
 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		
Tetrachloroethylene	0.17	0.020		1.1	0.14	0.4	1/12/24 17:53		CMR
Toluene	0.86	0.020		3.2	0.075	0.4	1/12/24 17:53		CMR
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	1/12/24 17:53		CMR
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	1/12/24 17:53		CMR
Trichloroethylene	0.013	0.010		0.069	0.054	0.4	1/12/24 17:53		CMR
Trichlorofluoromethane (Freon 11)	0.27	0.080		1.5	0.45	0.4	1/12/24 17:53		CMR
1,2,4-Trimethylbenzene	0.11	0.020		0.52	0.098	0.4	1/12/24 17:53		CMR
1,3,5-Trimethylbenzene	0.023	0.020		0.11	0.098	0.4	1/12/24 17:53		CMR
Vinyl Chloride	ND	0.020		ND	0.051	0.4	1/12/24 17:53		CMR
m&p-Xylene	0.31	0.040		1.4	0.17	0.4	1/12/24 17:53		CMR
o-Xylene	0.11	0.020		0.50	0.087	0.4	1/12/24 17:53		CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	105	70-130	1/12/24 17:53
4-Bromofluorobenzene (2)	106	70-130	1/12/24 17:53

**ANALYTICAL RESULTS**

Project Location: Alvarez High School  
 Date Received: 1/10/2024  
**Field Sample #: Room 145**  
**Sample ID: 24A1083-05**  
 Sample Matrix: Indoor air  
 Sampled: 1/9/2024 11:15

Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1170  
 Canister Size: 6 liter  
 Flow Controller ID: 4304  
 Sample Type: 30 min

**Work Order: 24A1083**  
 Initial Vacuum(in Hg): -30  
 Final Vacuum(in Hg): -4  
 Receipt Vacuum(in Hg): -4.0  
 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	3.1	0.80		7.2	1.9	0.4	1/12/24 18:52	CMR	
Acrylonitrile	ND	0.12		ND	0.25	0.4	1/12/24 18:52	CMR	
Benzene	0.31	0.020		0.98	0.064	0.4	1/12/24 18:52	CMR	
Bromodichloromethane	ND	0.010		ND	0.067	0.4	1/12/24 18:52	CMR	
Bromoform	ND	0.020		ND	0.21	0.4	1/12/24 18:52	CMR	
2-Butanone (MEK)	ND	0.80		ND	2.4	0.4	1/12/24 18:52	CMR	
n-Butylbenzene	ND	0.058		ND	0.32	0.4	1/12/24 18:52	CMR	
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	1/12/24 18:52	CMR	
Carbon Tetrachloride	0.081	0.010	V-34	0.51	0.063	0.4	1/12/24 18:52	CMR	
Chlorobenzene	ND	0.020		ND	0.092	0.4	1/12/24 18:52	CMR	
Chloroethane	ND	0.020		ND	0.053	0.4	1/12/24 18:52	CMR	
Chloroform	0.034	0.010		0.17	0.049	0.4	1/12/24 18:52	CMR	
Chloromethane	0.44	0.040		0.91	0.083	0.4	1/12/24 18:52	CMR	
Dibromochloromethane	ND	0.010		ND	0.085	0.4	1/12/24 18:52	CMR	
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	1/12/24 18:52	CMR	
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/12/24 18:52	CMR	
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/12/24 18:52	CMR	
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/12/24 18:52	CMR	
Dichlorodifluoromethane (Freon 12)	0.22	0.020		1.1	0.099	0.4	1/12/24 18:52	CMR	
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	1/12/24 18:52	CMR	
1,2-Dichloroethane	0.026	0.010		0.10	0.040	0.4	1/12/24 18:52	CMR	
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/12/24 18:52	CMR	
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/12/24 18:52	CMR	
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/12/24 18:52	CMR	
1,2-Dichloropropane	ND	0.010	V-05	ND	0.046	0.4	1/12/24 18:52	CMR	
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	1/12/24 18:52	CMR	
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/12/24 18:52	CMR	
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/12/24 18:52	CMR	
Ethylbenzene	0.057	0.020		0.25	0.087	0.4	1/12/24 18:52	CMR	
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	1/12/24 18:52	CMR	
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	1/12/24 18:52	CMR	
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	1/12/24 18:52	CMR	
Methylene Chloride	ND	0.20		ND	0.69	0.4	1/12/24 18:52	CMR	
4-Methyl-2-pentanone (MIBK)	0.083	0.020		0.34	0.082	0.4	1/12/24 18:52	CMR	
Styrene	ND	0.020		ND	0.085	0.4	1/12/24 18:52	CMR	
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	1/12/24 18:52	CMR	
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	1/12/24 18:52	CMR	

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**ANALYTICAL RESULTS**

 Project Location: Alvarez High School  
 Date Received: 1/10/2024  
**Field Sample #: Room 145**  
**Sample ID: 24A1083-05**  
 Sample Matrix: Indoor air  
 Sampled: 1/9/2024 11:15

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1170  
 Canister Size: 6 liter  
 Flow Controller ID: 4304  
 Sample Type: 30 min

**Work Order: 24A1083**  
 Initial Vacuum(in Hg): -30  
 Final Vacuum(in Hg): -4  
 Receipt Vacuum(in Hg): -4.0  
 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		
Tetrachloroethylene	0.40	0.020		2.7	0.14	0.4	1/12/24 18:52		CMR
Toluene	0.84	0.020		3.2	0.075	0.4	1/12/24 18:52		CMR
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	1/12/24 18:52		CMR
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	1/12/24 18:52		CMR
Trichloroethylene	ND	0.010		ND	0.054	0.4	1/12/24 18:52		CMR
Trichlorofluoromethane (Freon 11)	0.28	0.080		1.6	0.45	0.4	1/12/24 18:52		CMR
1,2,4-Trimethylbenzene	0.056	0.020		0.27	0.098	0.4	1/12/24 18:52		CMR
1,3,5-Trimethylbenzene	ND	0.020		ND	0.098	0.4	1/12/24 18:52		CMR
Vinyl Chloride	ND	0.020		ND	0.051	0.4	1/12/24 18:52		CMR
m&p-Xylene	0.18	0.040		0.79	0.17	0.4	1/12/24 18:52		CMR
o-Xylene	0.066	0.020		0.29	0.087	0.4	1/12/24 18:52		CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	104	70-130	1/12/24 18:52
4-Bromofluorobenzene (2)	105	70-130	1/12/24 18:52

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**ANALYTICAL RESULTS**

 Project Location: Alvarez High School  
 Date Received: 1/10/2024  
**Field Sample #: Room 152**  
**Sample ID: 24A1083-06**  
 Sample Matrix: Indoor air  
 Sampled: 1/9/2024 11:16

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1504  
 Canister Size: 6 liter  
 Flow Controller ID: 4196  
 Sample Type: 30 min

**Work Order: 24A1083**  
 Initial Vacuum(in Hg): -30  
 Final Vacuum(in Hg): 0  
 Receipt Vacuum(in Hg): -1.0  
 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	5.5	0.80		13	1.9	0.4	1/12/24 19:45		CMR
Acrylonitrile	ND	0.12		ND	0.25	0.4	1/12/24 19:45		CMR
Benzene	0.52	0.020		1.7	0.064	0.4	1/12/24 19:45		CMR
Bromodichloromethane	ND	0.010		ND	0.067	0.4	1/12/24 19:45		CMR
Bromoform	ND	0.020		ND	0.21	0.4	1/12/24 19:45		CMR
2-Butanone (MEK)	ND	0.80		ND	2.4	0.4	1/12/24 19:45		CMR
n-Butylbenzene	ND	0.058		ND	0.32	0.4	1/12/24 19:45		CMR
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	1/12/24 19:45		CMR
Carbon Tetrachloride	0.072	0.010	V-34	0.46	0.063	0.4	1/12/24 19:45		CMR
Chlorobenzene	ND	0.020		ND	0.092	0.4	1/12/24 19:45		CMR
Chloroethane	ND	0.020		ND	0.053	0.4	1/12/24 19:45		CMR
Chloroform	0.062	0.010		0.30	0.049	0.4	1/12/24 19:45		CMR
Chloromethane	0.45	0.040		0.93	0.083	0.4	1/12/24 19:45		CMR
Dibromochloromethane	ND	0.010		ND	0.085	0.4	1/12/24 19:45		CMR
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	1/12/24 19:45		CMR
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/12/24 19:45		CMR
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/12/24 19:45		CMR
1,4-Dichlorobenzene	0.034	0.020		0.20	0.12	0.4	1/12/24 19:45		CMR
Dichlorodifluoromethane (Freon 12)	0.21	0.020		1.0	0.099	0.4	1/12/24 19:45		CMR
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	1/12/24 19:45		CMR
1,2-Dichloroethane	0.027	0.010		0.11	0.040	0.4	1/12/24 19:45		CMR
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/12/24 19:45		CMR
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/12/24 19:45		CMR
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/12/24 19:45		CMR
1,2-Dichloropropane	ND	0.010	V-05	ND	0.046	0.4	1/12/24 19:45		CMR
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	1/12/24 19:45		CMR
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/12/24 19:45		CMR
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/12/24 19:45		CMR
Ethylbenzene	0.13	0.020		0.55	0.087	0.4	1/12/24 19:45		CMR
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	1/12/24 19:45		CMR
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	1/12/24 19:45		CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	1/12/24 19:45		CMR
Methylene Chloride	ND	0.20		ND	0.69	0.4	1/12/24 19:45		CMR
4-Methyl-2-pentanone (MIBK)	0.024	0.020		0.098	0.082	0.4	1/12/24 19:45		CMR
Styrene	0.038	0.020		0.16	0.085	0.4	1/12/24 19:45		CMR
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	1/12/24 19:45		CMR
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	1/12/24 19:45		CMR

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**ANALYTICAL RESULTS**

 Project Location: Alvarez High School  
 Date Received: 1/10/2024  
**Field Sample #: Room 152**  
**Sample ID: 24A1083-06**  
 Sample Matrix: Indoor air  
 Sampled: 1/9/2024 11:16

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1504  
 Canister Size: 6 liter  
 Flow Controller ID: 4196  
 Sample Type: 30 min

**Work Order: 24A1083**  
 Initial Vacuum(in Hg): -30  
 Final Vacuum(in Hg): 0  
 Receipt Vacuum(in Hg): -1.0  
 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		
Tetrachloroethylene	0.14	0.020		0.96	0.14	0.4	1/12/24 19:45		CMR
Toluene	0.97	0.020		3.7	0.075	0.4	1/12/24 19:45		CMR
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	1/12/24 19:45		CMR
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	1/12/24 19:45		CMR
Trichloroethylene	0.015	0.010		0.080	0.054	0.4	1/12/24 19:45		CMR
Trichlorofluoromethane (Freon 11)	0.27	0.080		1.5	0.45	0.4	1/12/24 19:45		CMR
1,2,4-Trimethylbenzene	0.11	0.020		0.54	0.098	0.4	1/12/24 19:45		CMR
1,3,5-Trimethylbenzene	0.026	0.020		0.13	0.098	0.4	1/12/24 19:45		CMR
Vinyl Chloride	ND	0.020		ND	0.051	0.4	1/12/24 19:45		CMR
m&p-Xylene	0.40	0.040		1.7	0.17	0.4	1/12/24 19:45		CMR
o-Xylene	0.15	0.020		0.66	0.087	0.4	1/12/24 19:45		CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	105	70-130	1/12/24 19:45
4-Bromofluorobenzene (2)	105	70-130	1/12/24 19:45



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**ANALYTICAL RESULTS**

 Project Location: Alvarez High School  
 Date Received: 1/10/2024  
**Field Sample #: Room 118**  
**Sample ID: 24A1083-07**  
 Sample Matrix: Indoor air  
 Sampled: 1/9/2024 11:18

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1931  
 Canister Size: 6 liter  
 Flow Controller ID: 4100  
 Sample Type: 30 min

**Work Order: 24A1083**  
 Initial Vacuum(in Hg): -30  
 Final Vacuum(in Hg): -5  
 Receipt Vacuum(in Hg): -2.9  
 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	5.8	0.80		14	1.9	0.4	1/12/24 20:41		CMR
Acrylonitrile	ND	0.12		ND	0.25	0.4	1/12/24 20:41		CMR
Benzene	0.46	0.020		1.5	0.064	0.4	1/12/24 20:41		CMR
Bromodichloromethane	ND	0.010		ND	0.067	0.4	1/12/24 20:41		CMR
Bromoform	ND	0.020		ND	0.21	0.4	1/12/24 20:41		CMR
2-Butanone (MEK)	ND	0.80		ND	2.4	0.4	1/12/24 20:41		CMR
n-Butylbenzene	ND	0.058		ND	0.32	0.4	1/12/24 20:41		CMR
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	1/12/24 20:41		CMR
Carbon Tetrachloride	0.077	0.010	V-34	0.49	0.063	0.4	1/12/24 20:41		CMR
Chlorobenzene	ND	0.020		ND	0.092	0.4	1/12/24 20:41		CMR
Chloroethane	ND	0.020		ND	0.053	0.4	1/12/24 20:41		CMR
Chloroform	0.063	0.010		0.31	0.049	0.4	1/12/24 20:41		CMR
Chloromethane	0.47	0.040		0.97	0.083	0.4	1/12/24 20:41		CMR
Dibromochloromethane	ND	0.010		ND	0.085	0.4	1/12/24 20:41		CMR
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	1/12/24 20:41		CMR
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/12/24 20:41		CMR
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/12/24 20:41		CMR
1,4-Dichlorobenzene	0.032	0.020		0.19	0.12	0.4	1/12/24 20:41		CMR
Dichlorodifluoromethane (Freon 12)	0.22	0.020		1.1	0.099	0.4	1/12/24 20:41		CMR
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	1/12/24 20:41		CMR
1,2-Dichloroethane	0.026	0.010		0.10	0.040	0.4	1/12/24 20:41		CMR
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/12/24 20:41		CMR
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/12/24 20:41		CMR
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/12/24 20:41		CMR
1,2-Dichloropropane	ND	0.010	V-05	ND	0.046	0.4	1/12/24 20:41		CMR
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	1/12/24 20:41		CMR
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/12/24 20:41		CMR
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/12/24 20:41		CMR
Ethylbenzene	0.11	0.020		0.50	0.087	0.4	1/12/24 20:41		CMR
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	1/12/24 20:41		CMR
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	1/12/24 20:41		CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	1/12/24 20:41		CMR
Methylene Chloride	ND	0.20		ND	0.69	0.4	1/12/24 20:41		CMR
4-Methyl-2-pentanone (MIBK)	0.035	0.020		0.14	0.082	0.4	1/12/24 20:41		CMR
Styrene	0.060	0.020		0.25	0.085	0.4	1/12/24 20:41		CMR
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	1/12/24 20:41		CMR
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	1/12/24 20:41		CMR

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**ANALYTICAL RESULTS**

 Project Location: Alvarez High School  
 Date Received: 1/10/2024  
**Field Sample #: Room 118**  
**Sample ID: 24A1083-07**  
 Sample Matrix: Indoor air  
 Sampled: 1/9/2024 11:18

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1931  
 Canister Size: 6 liter  
 Flow Controller ID: 4100  
 Sample Type: 30 min

**Work Order: 24A1083**  
 Initial Vacuum(in Hg): -30  
 Final Vacuum(in Hg): -5  
 Receipt Vacuum(in Hg): -2.9  
 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		
Tetrachloroethylene	0.10	0.020		0.71	0.14	0.4	1/12/24 20:41		CMR
Toluene	0.92	0.020		3.5	0.075	0.4	1/12/24 20:41		CMR
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	1/12/24 20:41		CMR
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	1/12/24 20:41		CMR
Trichloroethylene	0.012	0.010		0.067	0.054	0.4	1/12/24 20:41		CMR
Trichlorofluoromethane (Freon 11)	0.28	0.080		1.6	0.45	0.4	1/12/24 20:41		CMR
1,2,4-Trimethylbenzene	0.12	0.020		0.57	0.098	0.4	1/12/24 20:41		CMR
1,3,5-Trimethylbenzene	0.026	0.020		0.13	0.098	0.4	1/12/24 20:41		CMR
Vinyl Chloride	ND	0.020		ND	0.051	0.4	1/12/24 20:41		CMR
m&p-Xylene	0.36	0.040		1.6	0.17	0.4	1/12/24 20:41		CMR
o-Xylene	0.14	0.020		0.60	0.087	0.4	1/12/24 20:41		CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	106	70-130	1/12/24 20:41
4-Bromofluorobenzene (2)	107	70-130	1/12/24 20:41

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**ANALYTICAL RESULTS**

 Project Location: Alvarez High School  
 Date Received: 1/10/2024  
**Field Sample #: Room 110**  
**Sample ID: 24A1083-08**  
 Sample Matrix: Indoor air  
 Sampled: 1/9/2024 11:11

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 2213  
 Canister Size: 6 liter  
 Flow Controller ID: 4311  
 Sample Type: 30 min

**Work Order: 24A1083**  
 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		
Acetone	10	0.80		25	1.9	0.4	1/12/24 21:41		CMR
Acrylonitrile	ND	0.12		ND	0.25	0.4	1/12/24 21:41		CMR
Benzene	0.45	0.020		1.4	0.064	0.4	1/12/24 21:41		CMR
Bromodichloromethane	ND	0.010		ND	0.067	0.4	1/12/24 21:41		CMR
Bromoform	ND	0.020		ND	0.21	0.4	1/12/24 21:41		CMR
2-Butanone (MEK)	ND	0.80		ND	2.4	0.4	1/12/24 21:41		CMR
n-Butylbenzene	ND	0.058		ND	0.32	0.4	1/12/24 21:41		CMR
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	1/12/24 21:41		CMR
Carbon Tetrachloride	0.077	0.010	V-34	0.48	0.063	0.4	1/12/24 21:41		CMR
Chlorobenzene	ND	0.020		ND	0.092	0.4	1/12/24 21:41		CMR
Chloroethane	ND	0.020		ND	0.053	0.4	1/12/24 21:41		CMR
Chloroform	0.063	0.010		0.31	0.049	0.4	1/12/24 21:41		CMR
Chloromethane	0.51	0.040		1.1	0.083	0.4	1/12/24 21:41		CMR
Dibromochloromethane	ND	0.010		ND	0.085	0.4	1/12/24 21:41		CMR
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	1/12/24 21:41		CMR
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/12/24 21:41		CMR
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/12/24 21:41		CMR
1,4-Dichlorobenzene	0.044	0.020		0.26	0.12	0.4	1/12/24 21:41		CMR
Dichlorodifluoromethane (Freon 12)	0.20	0.020		1.0	0.099	0.4	1/12/24 21:41		CMR
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	1/12/24 21:41		CMR
1,2-Dichloroethane	0.027	0.010		0.11	0.040	0.4	1/12/24 21:41		CMR
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/12/24 21:41		CMR
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/12/24 21:41		CMR
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/12/24 21:41		CMR
1,2-Dichloropropane	ND	0.010	V-05	ND	0.046	0.4	1/12/24 21:41		CMR
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	1/12/24 21:41		CMR
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/12/24 21:41		CMR
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/12/24 21:41		CMR
Ethylbenzene	0.11	0.020		0.48	0.087	0.4	1/12/24 21:41		CMR
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	1/12/24 21:41		CMR
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	1/12/24 21:41		CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	1/12/24 21:41		CMR
Methylene Chloride	ND	0.20		ND	0.69	0.4	1/12/24 21:41		CMR
4-Methyl-2-pentanone (MIBK)	0.049	0.020		0.20	0.082	0.4	1/12/24 21:41		CMR
Styrene	0.036	0.020		0.16	0.085	0.4	1/12/24 21:41		CMR
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	1/12/24 21:41		CMR
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	1/12/24 21:41		CMR

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**ANALYTICAL RESULTS**

 Project Location: Alvarez High School  
 Date Received: 1/10/2024  
**Field Sample #: Room 110**  
**Sample ID: 24A1083-08**  
 Sample Matrix: Indoor air  
 Sampled: 1/9/2024 11:11

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 2213  
 Canister Size: 6 liter  
 Flow Controller ID: 4311  
 Sample Type: 30 min

**Work Order: 24A1083**  
 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		
Tetrachloroethylene	0.20	0.020		1.3	0.14	0.4	1/12/24 21:41		CMR
Toluene	0.94	0.020		3.5	0.075	0.4	1/12/24 21:41		CMR
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	1/12/24 21:41		CMR
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	1/12/24 21:41		CMR
Trichloroethylene	0.016	0.010		0.086	0.054	0.4	1/12/24 21:41		CMR
Trichlorofluoromethane (Freon 11)	0.28	0.080		1.6	0.45	0.4	1/12/24 21:41		CMR
1,2,4-Trimethylbenzene	0.11	0.020		0.52	0.098	0.4	1/12/24 21:41		CMR
1,3,5-Trimethylbenzene	0.026	0.020		0.13	0.098	0.4	1/12/24 21:41		CMR
Vinyl Chloride	ND	0.020		ND	0.051	0.4	1/12/24 21:41		CMR
m&p-Xylene	0.35	0.040		1.5	0.17	0.4	1/12/24 21:41		CMR
o-Xylene	0.13	0.020		0.56	0.087	0.4	1/12/24 21:41		CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	104	70-130	1/12/24 21:41
4-Bromofluorobenzene (2)	103	70-130	1/12/24 21:41

**ANALYTICAL RESULTS**

Project Location: Alvarez High School  
 Date Received: 1/10/2024  
**Field Sample #: Outdoor Ambient**  
**Sample ID: 24A1083-09**  
 Sample Matrix: Ambient Air  
 Sampled: 1/10/2024 09:46

Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 2467  
 Canister Size: 6 liter  
 Flow Controller ID: 4366  
 Sample Type: 30 min

**Work Order: 24A1083**  
 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	2.2	0.80		5.3	1.9	0.4	1/12/24 22:39	CMR	
Acrylonitrile	ND	0.12		ND	0.25	0.4	1/12/24 22:39	CMR	
Benzene	0.085	0.020		0.27	0.064	0.4	1/12/24 22:39	CMR	
Bromodichloromethane	ND	0.010		ND	0.067	0.4	1/12/24 22:39	CMR	
Bromoform	ND	0.020		ND	0.21	0.4	1/12/24 22:39	CMR	
2-Butanone (MEK)	ND	0.80		ND	2.4	0.4	1/12/24 22:39	CMR	
n-Butylbenzene	ND	0.058		ND	0.32	0.4	1/12/24 22:39	CMR	
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	1/12/24 22:39	CMR	
Carbon Tetrachloride	0.085	0.010	V-34	0.54	0.063	0.4	1/12/24 22:39	CMR	
Chlorobenzene	ND	0.020		ND	0.092	0.4	1/12/24 22:39	CMR	
Chloroethane	ND	0.020		ND	0.053	0.4	1/12/24 22:39	CMR	
Chloroform	0.016	0.010		0.076	0.049	0.4	1/12/24 22:39	CMR	
Chloromethane	0.44	0.040		0.91	0.083	0.4	1/12/24 22:39	CMR	
Dibromochloromethane	ND	0.010		ND	0.085	0.4	1/12/24 22:39	CMR	
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	1/12/24 22:39	CMR	
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/12/24 22:39	CMR	
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/12/24 22:39	CMR	
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/12/24 22:39	CMR	
Dichlorodifluoromethane (Freon 12)	0.19	0.020		0.94	0.099	0.4	1/12/24 22:39	CMR	
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	1/12/24 22:39	CMR	
1,2-Dichloroethane	0.023	0.010		0.092	0.040	0.4	1/12/24 22:39	CMR	
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/12/24 22:39	CMR	
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/12/24 22:39	CMR	
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/12/24 22:39	CMR	
1,2-Dichloropropane	ND	0.010	V-05	ND	0.046	0.4	1/12/24 22:39	CMR	
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	1/12/24 22:39	CMR	
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/12/24 22:39	CMR	
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/12/24 22:39	CMR	
Ethylbenzene	ND	0.020		ND	0.087	0.4	1/12/24 22:39	CMR	
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	1/12/24 22:39	CMR	
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	1/12/24 22:39	CMR	
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	1/12/24 22:39	CMR	
Methylene Chloride	ND	0.20		ND	0.69	0.4	1/12/24 22:39	CMR	
4-Methyl-2-pentanone (MIBK)	ND	0.020		ND	0.082	0.4	1/12/24 22:39	CMR	
Styrene	ND	0.020		ND	0.085	0.4	1/12/24 22:39	CMR	
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	1/12/24 22:39	CMR	
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	1/12/24 22:39	CMR	

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**ANALYTICAL RESULTS**

 Project Location: Alvarez High School  
 Date Received: 1/10/2024  
**Field Sample #: Outdoor Ambient**  
**Sample ID: 24A1083-09**  
 Sample Matrix: Ambient Air  
 Sampled: 1/10/2024 09:46

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 2467  
 Canister Size: 6 liter  
 Flow Controller ID: 4366  
 Sample Type: 30 min

**Work Order: 24A1083**  
 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		
Tetrachloroethylene	ND	0.020		ND	0.14	0.4	1/12/24 22:39		CMR
Toluene	0.080	0.020		0.30	0.075	0.4	1/12/24 22:39		CMR
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	1/12/24 22:39		CMR
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	1/12/24 22:39		CMR
Trichloroethylene	ND	0.010		ND	0.054	0.4	1/12/24 22:39		CMR
Trichlorofluoromethane (Freon 11)	0.22	0.080		1.3	0.45	0.4	1/12/24 22:39		CMR
1,2,4-Trimethylbenzene	ND	0.020		ND	0.098	0.4	1/12/24 22:39		CMR
1,3,5-Trimethylbenzene	ND	0.020		ND	0.098	0.4	1/12/24 22:39		CMR
Vinyl Chloride	ND	0.020		ND	0.051	0.4	1/12/24 22:39		CMR
m&p-Xylene	ND	0.040		ND	0.17	0.4	1/12/24 22:39		CMR
o-Xylene	ND	0.020		ND	0.087	0.4	1/12/24 22:39		CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	103	70-130	1/12/24 22:39
4-Bromofluorobenzene (2)	101	70-130	1/12/24 22:39

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**ANALYTICAL RESULTS**

 Project Location: Alvarez High School  
 Date Received: 1/10/2024  
**Field Sample #: IMP-1**  
**Sample ID: 24A1083-10**  
 Sample Matrix: Sub Slab  
 Sampled: 1/9/2024 11:23

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 2229  
 Canister Size: 6 liter  
 Flow Controller ID: 4090  
 Sample Type: 30 min

**Work Order: 24A1083**  
 Initial Vacuum(in Hg): -30  
 Final Vacuum(in Hg): 0  
 Receipt Vacuum(in Hg): 0.7  
 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	6.1	0.80		15	1.9	0.4	1/12/24 23:31		CMR
Acrylonitrile	ND	0.12		ND	0.25	0.4	1/12/24 23:31		CMR
Benzene	0.37	0.020		1.2	0.064	0.4	1/12/24 23:31		CMR
Bromodichloromethane	ND	0.010		ND	0.067	0.4	1/12/24 23:31		CMR
Bromoform	ND	0.020		ND	0.21	0.4	1/12/24 23:31		CMR
2-Butanone (MEK)	ND	0.80		ND	2.4	0.4	1/12/24 23:31		CMR
n-Butylbenzene	ND	0.058		ND	0.32	0.4	1/12/24 23:31		CMR
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	1/12/24 23:31		CMR
Carbon Tetrachloride	0.074	0.010	V-34	0.46	0.063	0.4	1/12/24 23:31		CMR
Chlorobenzene	ND	0.020		ND	0.092	0.4	1/12/24 23:31		CMR
Chloroethane	ND	0.020		ND	0.053	0.4	1/12/24 23:31		CMR
Chloroform	0.050	0.010		0.24	0.049	0.4	1/12/24 23:31		CMR
Chloromethane	0.48	0.040		0.99	0.083	0.4	1/12/24 23:31		CMR
Dibromochloromethane	ND	0.010		ND	0.085	0.4	1/12/24 23:31		CMR
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	1/12/24 23:31		CMR
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/12/24 23:31		CMR
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/12/24 23:31		CMR
1,4-Dichlorobenzene	0.031	0.020		0.19	0.12	0.4	1/12/24 23:31		CMR
Dichlorodifluoromethane (Freon 12)	0.20	0.020		0.97	0.099	0.4	1/12/24 23:31		CMR
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	1/12/24 23:31		CMR
1,2-Dichloroethane	0.021	0.010		0.084	0.040	0.4	1/12/24 23:31		CMR
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/12/24 23:31		CMR
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/12/24 23:31		CMR
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/12/24 23:31		CMR
1,2-Dichloropropane	ND	0.010	V-05	ND	0.046	0.4	1/12/24 23:31		CMR
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	1/12/24 23:31		CMR
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/12/24 23:31		CMR
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/12/24 23:31		CMR
Ethylbenzene	0.067	0.020		0.29	0.087	0.4	1/12/24 23:31		CMR
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	1/12/24 23:31		CMR
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	1/12/24 23:31		CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	1/12/24 23:31		CMR
Methylene Chloride	ND	0.20		ND	0.69	0.4	1/12/24 23:31		CMR
4-Methyl-2-pentanone (MIBK)	0.063	0.020		0.26	0.082	0.4	1/12/24 23:31		CMR
Styrene	0.037	0.020		0.16	0.085	0.4	1/12/24 23:31		CMR
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	1/12/24 23:31		CMR
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	1/12/24 23:31		CMR

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**ANALYTICAL RESULTS**

 Project Location: Alvarez High School  
 Date Received: 1/10/2024  
**Field Sample #: IMP-1**  
**Sample ID: 24A1083-10**  
 Sample Matrix: Sub Slab  
 Sampled: 1/9/2024 11:23

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 2229  
 Canister Size: 6 liter  
 Flow Controller ID: 4090  
 Sample Type: 30 min

**Work Order: 24A1083**  
 Initial Vacuum(in Hg): -30  
 Final Vacuum(in Hg): 0  
 Receipt Vacuum(in Hg): 0.7  
 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		
Tetrachloroethylene	0.15	0.020		0.99	0.14	0.4	1/12/24 23:31		CMR
Toluene	0.70	0.020		2.6	0.075	0.4	1/12/24 23:31		CMR
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	1/12/24 23:31		CMR
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	1/12/24 23:31		CMR
Trichloroethylene	0.014	0.010		0.075	0.054	0.4	1/12/24 23:31		CMR
Trichlorofluoromethane (Freon 11)	0.24	0.080		1.4	0.45	0.4	1/12/24 23:31		CMR
1,2,4-Trimethylbenzene	0.10	0.020		0.51	0.098	0.4	1/12/24 23:31		CMR
1,3,5-Trimethylbenzene	ND	0.020		ND	0.098	0.4	1/12/24 23:31		CMR
Vinyl Chloride	ND	0.020		ND	0.051	0.4	1/12/24 23:31		CMR
m&p-Xylene	0.21	0.040		0.89	0.17	0.4	1/12/24 23:31		CMR
o-Xylene	0.082	0.020		0.35	0.087	0.4	1/12/24 23:31		CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	105	70-130	1/12/24 23:31
4-Bromofluorobenzene (2)	103	70-130	1/12/24 23:31



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**ANALYTICAL RESULTS**

 Project Location: Alvarez High School  
 Date Received: 1/10/2024  
**Field Sample #: IMP-2**  
**Sample ID: 24A1083-11**  
 Sample Matrix: Sub Slab  
 Sampled: 1/9/2024 11:21

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1853  
 Canister Size: 6 liter  
 Flow Controller ID: 4213  
 Sample Type: 30 min

**Work Order: 24A1083**  
 Initial Vacuum(in Hg): -28.5  
 Final Vacuum(in Hg): -2  
 Receipt Vacuum(in Hg): -2.5  
 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		
Acetone	7.6	0.80		18	1.9	0.4	1/13/24	0:26	CMR
Acrylonitrile	ND	0.12		ND	0.25	0.4	1/13/24	0:26	CMR
Benzene	0.52	0.020		1.7	0.064	0.4	1/13/24	0:26	CMR
Bromodichloromethane	ND	0.010		ND	0.067	0.4	1/13/24	0:26	CMR
Bromoform	ND	0.020		ND	0.21	0.4	1/13/24	0:26	CMR
2-Butanone (MEK)	ND	0.80		ND	2.4	0.4	1/13/24	0:26	CMR
n-Butylbenzene	ND	0.058		ND	0.32	0.4	1/13/24	0:26	CMR
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	1/13/24	0:26	CMR
Carbon Tetrachloride	0.075	0.010	V-34	0.47	0.063	0.4	1/13/24	0:26	CMR
Chlorobenzene	ND	0.020		ND	0.092	0.4	1/13/24	0:26	CMR
Chloroethane	ND	0.020		ND	0.053	0.4	1/13/24	0:26	CMR
Chloroform	0.078	0.010		0.38	0.049	0.4	1/13/24	0:26	CMR
Chloromethane	0.59	0.040		1.2	0.083	0.4	1/13/24	0:26	CMR
Dibromochloromethane	ND	0.010		ND	0.085	0.4	1/13/24	0:26	CMR
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	1/13/24	0:26	CMR
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/13/24	0:26	CMR
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/13/24	0:26	CMR
1,4-Dichlorobenzene	0.024	0.020		0.14	0.12	0.4	1/13/24	0:26	CMR
Dichlorodifluoromethane (Freon 12)	0.30	0.020		1.5	0.099	0.4	1/13/24	0:26	CMR
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	1/13/24	0:26	CMR
1,2-Dichloroethane	0.026	0.010		0.11	0.040	0.4	1/13/24	0:26	CMR
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/13/24	0:26	CMR
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/13/24	0:26	CMR
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/13/24	0:26	CMR
1,2-Dichloropropane	ND	0.010	V-05	ND	0.046	0.4	1/13/24	0:26	CMR
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	1/13/24	0:26	CMR
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/13/24	0:26	CMR
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/13/24	0:26	CMR
Ethylbenzene	0.11	0.020		0.50	0.087	0.4	1/13/24	0:26	CMR
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	1/13/24	0:26	CMR
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	1/13/24	0:26	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	1/13/24	0:26	CMR
Methylene Chloride	ND	0.20		ND	0.69	0.4	1/13/24	0:26	CMR
4-Methyl-2-pentanone (MIBK)	0.024	0.020		0.100	0.082	0.4	1/13/24	0:26	CMR
Styrene	0.066	0.020		0.28	0.085	0.4	1/13/24	0:26	CMR
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	1/13/24	0:26	CMR
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	1/13/24	0:26	CMR

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**ANALYTICAL RESULTS**

 Project Location: Alvarez High School  
 Date Received: 1/10/2024  
**Field Sample #: IMP-2**  
**Sample ID: 24A1083-11**  
 Sample Matrix: Sub Slab  
 Sampled: 1/9/2024 11:21

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1853  
 Canister Size: 6 liter  
 Flow Controller ID: 4213  
 Sample Type: 30 min

**Work Order: 24A1083**  
 Initial Vacuum(in Hg): -28.5  
 Final Vacuum(in Hg): -2  
 Receipt Vacuum(in Hg): -2.5  
 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		Analized		
Tetrachloroethylene	0.29	0.020		2.0	0.14	0.4	1/13/24	0:26	CMR
Toluene	0.94	0.020		3.5	0.075	0.4	1/13/24	0:26	CMR
1,1,1-Trichloroethane	0.024	0.010		0.13	0.055	0.4	1/13/24	0:26	CMR
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	1/13/24	0:26	CMR
Trichloroethylene	1.6	0.010		8.8	0.054	0.4	1/13/24	0:26	CMR
Trichlorofluoromethane (Freon 11)	0.78	0.080		4.4	0.45	0.4	1/13/24	0:26	CMR
1,2,4-Trimethylbenzene	0.18	0.020		0.89	0.098	0.4	1/13/24	0:26	CMR
1,3,5-Trimethylbenzene	0.028	0.020		0.14	0.098	0.4	1/13/24	0:26	CMR
Vinyl Chloride	ND	0.020		ND	0.051	0.4	1/13/24	0:26	CMR
m&p-Xylene	0.37	0.040		1.6	0.17	0.4	1/13/24	0:26	CMR
o-Xylene	0.13	0.020		0.57	0.087	0.4	1/13/24	0:26	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	111	70-130	1/13/24 0:26
4-Bromofluorobenzene (2)	116	70-130	1/13/24 0:26

**ANALYTICAL RESULTS**

Project Location: Alvarez High School  
 Date Received: 1/10/2024  
**Field Sample #: MP-1**  
**Sample ID: 24A1083-12**  
 Sample Matrix: Sub Slab  
 Sampled: 1/9/2024 13:01

Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1886  
 Canister Size: 6 liter  
 Flow Controller ID: 4104  
 Sample Type: 30 min

**Work Order: 24A1083**  
 Initial Vacuum(in Hg): -30  
 Final Vacuum(in Hg): 0  
 Receipt Vacuum(in Hg): -3.2  
 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	3.5	0.80		8.4	1.9	0.4	1/13/24	1:22	CMR
Acrylonitrile	ND	0.12		ND	0.25	0.4	1/13/24	1:22	CMR
Benzene	0.19	0.020		0.62	0.064	0.4	1/13/24	1:22	CMR
Bromodichloromethane	ND	0.010		ND	0.067	0.4	1/13/24	1:22	CMR
Bromoform	ND	0.020		ND	0.21	0.4	1/13/24	1:22	CMR
2-Butanone (MEK)	2.2	0.80		6.5	2.4	0.4	1/13/24	1:22	CMR
n-Butylbenzene	ND	0.058		ND	0.32	0.4	1/13/24	1:22	CMR
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	1/13/24	1:22	CMR
Carbon Tetrachloride	0.069	0.010	V-34	0.43	0.063	0.4	1/13/24	1:22	CMR
Chlorobenzene	ND	0.020		ND	0.092	0.4	1/13/24	1:22	CMR
Chloroethane	ND	0.020		ND	0.053	0.4	1/13/24	1:22	CMR
Chloroform	0.030	0.010		0.15	0.049	0.4	1/13/24	1:22	CMR
Chloromethane	0.87	0.040		1.8	0.083	0.4	1/13/24	1:22	CMR
Dibromochloromethane	ND	0.010		ND	0.085	0.4	1/13/24	1:22	CMR
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	1/13/24	1:22	CMR
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/13/24	1:22	CMR
1,3-Dichlorobenzene	0.022	0.020		0.13	0.12	0.4	1/13/24	1:22	CMR
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/13/24	1:22	CMR
Dichlorodifluoromethane (Freon 12)	0.28	0.020		1.4	0.099	0.4	1/13/24	1:22	CMR
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	1/13/24	1:22	CMR
1,2-Dichloroethane	0.022	0.010		0.087	0.040	0.4	1/13/24	1:22	CMR
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/13/24	1:22	CMR
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/13/24	1:22	CMR
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/13/24	1:22	CMR
1,2-Dichloropropane	ND	0.010	V-05	ND	0.046	0.4	1/13/24	1:22	CMR
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	1/13/24	1:22	CMR
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/13/24	1:22	CMR
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/13/24	1:22	CMR
Ethylbenzene	0.027	0.020		0.12	0.087	0.4	1/13/24	1:22	CMR
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	1/13/24	1:22	CMR
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	1/13/24	1:22	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	1/13/24	1:22	CMR
Methylene Chloride	ND	0.20		ND	0.69	0.4	1/13/24	1:22	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.020		ND	0.082	0.4	1/13/24	1:22	CMR
Styrene	ND	0.020		ND	0.085	0.4	1/13/24	1:22	CMR
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	1/13/24	1:22	CMR
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	1/13/24	1:22	CMR

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**ANALYTICAL RESULTS**

 Project Location: Alvarez High School  
 Date Received: 1/10/2024  
**Field Sample #: MP-1**  
**Sample ID: 24A1083-12**  
 Sample Matrix: Sub Slab  
 Sampled: 1/9/2024 13:01

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1886  
 Canister Size: 6 liter  
 Flow Controller ID: 4104  
 Sample Type: 30 min

**Work Order: 24A1083**  
 Initial Vacuum(in Hg): -30  
 Final Vacuum(in Hg): 0  
 Receipt Vacuum(in Hg): -3.2  
 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		
Tetrachloroethylene	0.063	0.020		0.43	0.14	0.4	1/13/24	1:22	CMR
Toluene	0.25	0.020		0.94	0.075	0.4	1/13/24	1:22	CMR
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	1/13/24	1:22	CMR
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	1/13/24	1:22	CMR
Trichloroethylene	0.064	0.010		0.34	0.054	0.4	1/13/24	1:22	CMR
Trichlorofluoromethane (Freon 11)	0.30	0.080		1.7	0.45	0.4	1/13/24	1:22	CMR
1,2,4-Trimethylbenzene	0.045	0.020		0.22	0.098	0.4	1/13/24	1:22	CMR
1,3,5-Trimethylbenzene	ND	0.020		ND	0.098	0.4	1/13/24	1:22	CMR
Vinyl Chloride	ND	0.020		ND	0.051	0.4	1/13/24	1:22	CMR
m&p-Xylene	0.086	0.040		0.37	0.17	0.4	1/13/24	1:22	CMR
o-Xylene	0.032	0.020		0.14	0.087	0.4	1/13/24	1:22	CMR

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	106	70-130	1/13/24	1:22
4-Bromofluorobenzene (2)	115	70-130	1/13/24	1:22

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**ANALYTICAL RESULTS**

 Project Location: Alvarez High School  
 Date Received: 1/10/2024  
**Field Sample #: MP-3**  
**Sample ID: 24A1083-13**  
 Sample Matrix: Sub Slab  
 Sampled: 1/9/2024 12:53

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1459  
 Canister Size: 6 liter  
 Flow Controller ID: 4298  
 Sample Type: 30 min

**Work Order: 24A1083**  
 Initial Vacuum(in Hg): -30  
 Final Vacuum(in Hg): 0  
 Receipt Vacuum(in Hg): 2.3  
 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	2.9	0.80		7.0	1.9	0.4	1/13/24	2:13	CMR
Acrylonitrile	ND	0.12		ND	0.25	0.4	1/13/24	2:13	CMR
Benzene	0.21	0.020		0.68	0.064	0.4	1/13/24	2:13	CMR
Bromodichloromethane	ND	0.010		ND	0.067	0.4	1/13/24	2:13	CMR
Bromoform	ND	0.020		ND	0.21	0.4	1/13/24	2:13	CMR
2-Butanone (MEK)	ND	0.80		ND	2.4	0.4	1/13/24	2:13	CMR
n-Butylbenzene	ND	0.058		ND	0.32	0.4	1/13/24	2:13	CMR
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	1/13/24	2:13	CMR
Carbon Tetrachloride	0.067	0.010	V-34	0.42	0.063	0.4	1/13/24	2:13	CMR
Chlorobenzene	ND	0.020		ND	0.092	0.4	1/13/24	2:13	CMR
Chloroethane	ND	0.020		ND	0.053	0.4	1/13/24	2:13	CMR
Chloroform	0.026	0.010		0.13	0.049	0.4	1/13/24	2:13	CMR
Chloromethane	0.65	0.040		1.4	0.083	0.4	1/13/24	2:13	CMR
Dibromochloromethane	ND	0.010		ND	0.085	0.4	1/13/24	2:13	CMR
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	1/13/24	2:13	CMR
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/13/24	2:13	CMR
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/13/24	2:13	CMR
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/13/24	2:13	CMR
Dichlorodifluoromethane (Freon 12)	0.28	0.020		1.4	0.099	0.4	1/13/24	2:13	CMR
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	1/13/24	2:13	CMR
1,2-Dichloroethane	0.018	0.010		0.074	0.040	0.4	1/13/24	2:13	CMR
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/13/24	2:13	CMR
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/13/24	2:13	CMR
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/13/24	2:13	CMR
1,2-Dichloropropane	ND	0.010	V-05	ND	0.046	0.4	1/13/24	2:13	CMR
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	1/13/24	2:13	CMR
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/13/24	2:13	CMR
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/13/24	2:13	CMR
Ethylbenzene	0.044	0.020		0.19	0.087	0.4	1/13/24	2:13	CMR
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	1/13/24	2:13	CMR
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	1/13/24	2:13	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	1/13/24	2:13	CMR
Methylene Chloride	ND	0.20		ND	0.69	0.4	1/13/24	2:13	CMR
4-Methyl-2-pentanone (MIBK)	0.024	0.020		0.097	0.082	0.4	1/13/24	2:13	CMR
Styrene	0.027	0.020		0.11	0.085	0.4	1/13/24	2:13	CMR
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	1/13/24	2:13	CMR
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	1/13/24	2:13	CMR

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**ANALYTICAL RESULTS**

 Project Location: Alvarez High School  
 Date Received: 1/10/2024  
**Field Sample #: MP-3**  
**Sample ID: 24A1083-13**  
 Sample Matrix: Sub Slab  
 Sampled: 1/9/2024 12:53

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1459  
 Canister Size: 6 liter  
 Flow Controller ID: 4298  
 Sample Type: 30 min

**Work Order: 24A1083**  
 Initial Vacuum(in Hg): -30  
 Final Vacuum(in Hg): 0  
 Receipt Vacuum(in Hg): 2.3  
 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		
Tetrachloroethylene	0.024	0.020		0.16	0.14	0.4	1/13/24	2:13	CMR
Toluene	0.35	0.020		1.3	0.075	0.4	1/13/24	2:13	CMR
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	1/13/24	2:13	CMR
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	1/13/24	2:13	CMR
Trichloroethylene	ND	0.010		ND	0.054	0.4	1/13/24	2:13	CMR
Trichlorofluoromethane (Freon 11)	0.28	0.080		1.5	0.45	0.4	1/13/24	2:13	CMR
1,2,4-Trimethylbenzene	0.052	0.020		0.26	0.098	0.4	1/13/24	2:13	CMR
1,3,5-Trimethylbenzene	ND	0.020		ND	0.098	0.4	1/13/24	2:13	CMR
Vinyl Chloride	0.031	0.020		0.079	0.051	0.4	1/13/24	2:13	CMR
m&p-Xylene	0.13	0.040		0.58	0.17	0.4	1/13/24	2:13	CMR
o-Xylene	0.055	0.020		0.24	0.087	0.4	1/13/24	2:13	CMR

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	106	70-130	1/13/24	2:13
4-Bromofluorobenzene (2)	114	70-130	1/13/24	2:13

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**ANALYTICAL RESULTS**

 Project Location: Alvarez High School  
 Date Received: 1/10/2024  
**Field Sample #: MP-4**  
**Sample ID: 24A1083-14**  
 Sample Matrix: Sub Slab  
 Sampled: 1/10/2024 09:37

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 2016  
 Canister Size: 6 liter  
 Flow Controller ID: 4191  
 Sample Type: 30 min

**Work Order: 24A1083**  
 Initial Vacuum(in Hg): -28  
 Final Vacuum(in Hg): -2  
 Receipt Vacuum(in Hg): -2.3  
 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	3.0	0.80		7.2	1.9	0.4	1/13/24	3:06	CMR
Acrylonitrile	ND	0.12		ND	0.25	0.4	1/13/24	3:06	CMR
Benzene	0.086	0.020		0.28	0.064	0.4	1/13/24	3:06	CMR
Bromodichloromethane	ND	0.010		ND	0.067	0.4	1/13/24	3:06	CMR
Bromoform	ND	0.020		ND	0.21	0.4	1/13/24	3:06	CMR
2-Butanone (MEK)	ND	0.80		ND	2.4	0.4	1/13/24	3:06	CMR
n-Butylbenzene	ND	0.058		ND	0.32	0.4	1/13/24	3:06	CMR
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	1/13/24	3:06	CMR
Carbon Tetrachloride	0.072	0.010	V-34	0.45	0.063	0.4	1/13/24	3:06	CMR
Chlorobenzene	ND	0.020		ND	0.092	0.4	1/13/24	3:06	CMR
Chloroethane	ND	0.020		ND	0.053	0.4	1/13/24	3:06	CMR
Chloroform	0.028	0.010		0.13	0.049	0.4	1/13/24	3:06	CMR
Chloromethane	0.90	0.040		1.9	0.083	0.4	1/13/24	3:06	CMR
Dibromochloromethane	ND	0.010		ND	0.085	0.4	1/13/24	3:06	CMR
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	1/13/24	3:06	CMR
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/13/24	3:06	CMR
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/13/24	3:06	CMR
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/13/24	3:06	CMR
Dichlorodifluoromethane (Freon 12)	0.30	0.020		1.5	0.099	0.4	1/13/24	3:06	CMR
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	1/13/24	3:06	CMR
1,2-Dichloroethane	0.019	0.010		0.076	0.040	0.4	1/13/24	3:06	CMR
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/13/24	3:06	CMR
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/13/24	3:06	CMR
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/13/24	3:06	CMR
1,2-Dichloropropane	ND	0.010	V-05	ND	0.046	0.4	1/13/24	3:06	CMR
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	1/13/24	3:06	CMR
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/13/24	3:06	CMR
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/13/24	3:06	CMR
Ethylbenzene	0.025	0.020		0.11	0.087	0.4	1/13/24	3:06	CMR
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	1/13/24	3:06	CMR
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	1/13/24	3:06	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	1/13/24	3:06	CMR
Methylene Chloride	ND	0.20		ND	0.69	0.4	1/13/24	3:06	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.020		ND	0.082	0.4	1/13/24	3:06	CMR
Styrene	0.028	0.020		0.12	0.085	0.4	1/13/24	3:06	CMR
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	1/13/24	3:06	CMR
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	1/13/24	3:06	CMR

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**ANALYTICAL RESULTS**

 Project Location: Alvarez High School  
 Date Received: 1/10/2024  
**Field Sample #: MP-4**  
**Sample ID: 24A1083-14**  
 Sample Matrix: Sub Slab  
 Sampled: 1/10/2024 09:37

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 2016  
 Canister Size: 6 liter  
 Flow Controller ID: 4191  
 Sample Type: 30 min

**Work Order: 24A1083**  
 Initial Vacuum(in Hg): -28  
 Final Vacuum(in Hg): -2  
 Receipt Vacuum(in Hg): -2.3  
 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		
Tetrachloroethylene	0.028	0.020		0.19	0.14	0.4	1/13/24	3:06	CMR
Toluene	0.12	0.020		0.47	0.075	0.4	1/13/24	3:06	CMR
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	1/13/24	3:06	CMR
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	1/13/24	3:06	CMR
Trichloroethylene	0.43	0.010		2.3	0.054	0.4	1/13/24	3:06	CMR
Trichlorofluoromethane (Freon 11)	0.56	0.080		3.1	0.45	0.4	1/13/24	3:06	CMR
1,2,4-Trimethylbenzene	0.058	0.020		0.29	0.098	0.4	1/13/24	3:06	CMR
1,3,5-Trimethylbenzene	ND	0.020		ND	0.098	0.4	1/13/24	3:06	CMR
Vinyl Chloride	ND	0.020		ND	0.051	0.4	1/13/24	3:06	CMR
m&p-Xylene	0.068	0.040		0.29	0.17	0.4	1/13/24	3:06	CMR
o-Xylene	0.029	0.020		0.13	0.087	0.4	1/13/24	3:06	CMR

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	108	70-130	1/13/24	3:06
4-Bromofluorobenzene (2)	118	70-130	1/13/24	3:06



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**ANALYTICAL RESULTS**

 Project Location: Alvarez High School  
 Date Received: 1/10/2024  
**Field Sample #: MP-6**  
**Sample ID: 24A1083-15**  
 Sample Matrix: Sub Slab  
 Sampled: 1/10/2024 09:33

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1954  
 Canister Size: 6 liter  
 Flow Controller ID: 4076  
 Sample Type: 30 min

**Work Order: 24A1083**  
 Initial Vacuum(in Hg): -22  
 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			ug/m3		Dilution	Date/Time		Analyst
	Results	RL	Flag/Qual	Results	RL		Analyzed		
Acetone	3.7	0.80	R-01	8.8	1.9	0.4	1/13/24	4:03	CMR
Acrylonitrile	ND	0.12		ND	0.25	0.4	1/13/24	4:03	CMR
Benzene	0.16	0.020	R-01	0.51	0.064	0.4	1/13/24	4:03	CMR
Bromodichloromethane	ND	0.010		ND	0.067	0.4	1/13/24	4:03	CMR
Bromoform	ND	0.020		ND	0.21	0.4	1/13/24	4:03	CMR
2-Butanone (MEK)	ND	0.80	R-04	ND	2.4	0.4	1/13/24	4:03	CMR
n-Butylbenzene	ND	0.058		ND	0.32	0.4	1/13/24	4:03	CMR
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	1/13/24	4:03	CMR
Carbon Tetrachloride	0.070	0.010	R-01, V-34	0.44	0.063	0.4	1/13/24	4:03	CMR
Chlorobenzene	ND	0.020		ND	0.092	0.4	1/13/24	4:03	CMR
Chloroethane	0.083	0.020	R-04	0.22	0.053	0.4	1/13/24	4:03	CMR
Chloroform	0.064	0.010	R-01	0.31	0.049	0.4	1/13/24	4:03	CMR
Chloromethane	1.2	0.040	R-01	2.5	0.083	0.4	1/13/24	4:03	CMR
Dibromochloromethane	ND	0.010		ND	0.085	0.4	1/13/24	4:03	CMR
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	1/13/24	4:03	CMR
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/13/24	4:03	CMR
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/13/24	4:03	CMR
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/13/24	4:03	CMR
Dichlorodifluoromethane (Freon 12)	0.24	0.020	R-01	1.2	0.099	0.4	1/13/24	4:03	CMR
1,1-Dichloroethane	ND	0.010	R-04	ND	0.040	0.4	1/13/24	4:03	CMR
1,2-Dichloroethane	0.025	0.010	R-04	0.10	0.040	0.4	1/13/24	4:03	CMR
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/13/24	4:03	CMR
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/13/24	4:03	CMR
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/13/24	4:03	CMR
1,2-Dichloropropane	ND	0.010	V-05	ND	0.046	0.4	1/13/24	4:03	CMR
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	1/13/24	4:03	CMR
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/13/24	4:03	CMR
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/13/24	4:03	CMR
Ethylbenzene	0.045	0.020	R-04	0.20	0.087	0.4	1/13/24	4:03	CMR
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	1/13/24	4:03	CMR
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	1/13/24	4:03	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	1/13/24	4:03	CMR
Methylene Chloride	ND	0.20	R-04	ND	0.69	0.4	1/13/24	4:03	CMR
4-Methyl-2-pentanone (MIBK)	0.021	0.020		0.085	0.082	0.4	1/13/24	4:03	CMR
Styrene	0.074	0.020	R-04	0.32	0.085	0.4	1/13/24	4:03	CMR
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	1/13/24	4:03	CMR
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	1/13/24	4:03	CMR

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**ANALYTICAL RESULTS**

 Project Location: Alvarez High School  
 Date Received: 1/10/2024  
**Field Sample #: MP-6**  
**Sample ID: 24A1083-15**  
 Sample Matrix: Sub Slab  
 Sampled: 1/10/2024 09:33

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1954  
 Canister Size: 6 liter  
 Flow Controller ID: 4076  
 Sample Type: 30 min

**Work Order: 24A1083**  
 Initial Vacuum(in Hg): -22  
 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			ug/m3		Dilution	Date/Time		Analyst
	Results	RL	Flag/Qual	Results	RL		Analyzed		
Tetrachloroethylene	0.048	0.020	R-04	0.33	0.14	0.4	1/13/24	4:03	CMR
Toluene	0.27	0.020	R-01	1.00	0.075	0.4	1/13/24	4:03	CMR
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	1/13/24	4:03	CMR
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	1/13/24	4:03	CMR
Trichloroethylene	0.051	0.010	R-04	0.27	0.054	0.4	1/13/24	4:03	CMR
Trichlorofluoromethane (Freon 11)	0.33	0.080	R-04	1.9	0.45	0.4	1/13/24	4:03	CMR
1,2,4-Trimethylbenzene	0.10	0.020	R-01	0.50	0.098	0.4	1/13/24	4:03	CMR
1,3,5-Trimethylbenzene	ND	0.020	R-04	ND	0.098	0.4	1/13/24	4:03	CMR
Vinyl Chloride	0.12	0.020	R-01	0.30	0.051	0.4	1/13/24	4:03	CMR
m&p-Xylene	0.13	0.040	R-01	0.58	0.17	0.4	1/13/24	4:03	CMR
o-Xylene	0.068	0.020	R-04	0.30	0.087	0.4	1/13/24	4:03	CMR

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	106	70-130	1/13/24	4:03
4-Bromofluorobenzene (2)	111	70-130	1/13/24	4:03

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**Sample Extraction Data**
**Prep Method:TO-15 Prep Analytical Method:EPA TO-15**

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
24A1083-01 [Gymnasium]	B363343	1	1	N/A	1000	400	1000	01/12/24
24A1083-02 [Cafeteria]	B363343	1	1	N/A	1000	400	1000	01/12/24
24A1083-03 [Kitchen Storage Room]	B363343	1	1	N/A	1000	400	1000	01/12/24
24A1083-04 [Elevator Hallway]	B363343	1	1	N/A	1000	400	1000	01/12/24
24A1083-05 [Room 145]	B363343	1	1	N/A	1000	400	1000	01/12/24
24A1083-06 [Room 152]	B363343	1	1	N/A	1000	400	1000	01/12/24
24A1083-07 [Room 118]	B363343	1	1	N/A	1000	400	1000	01/12/24
24A1083-08 [Room 110]	B363343	1	1	N/A	1000	400	1000	01/12/24
24A1083-09 [Outdoor Ambient]	B363343	1	1	N/A	1000	400	1000	01/12/24
24A1083-10 [IMP-1]	B363343	1	1	N/A	1000	400	1000	01/12/24
24A1083-11 [IMP-2]	B363343	1	1	N/A	1000	400	1000	01/12/24
24A1083-12 [MP-1]	B363343	1	1	N/A	1000	400	1000	01/12/24
24A1083-13 [MP-3]	B363343	1	1	N/A	1000	400	1000	01/12/24
24A1083-14 [MP-4]	B363343	1	1	N/A	1000	400	1000	01/12/24
24A1083-15 [MP-6]	B363343	1	1	N/A	1000	400	1000	01/12/24

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## QUALITY CONTROL

## Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	%REC	RPD	Flag/Qual
	Results	RL	Results	RL	ppbv	Result	Limits	RPD	Limit	
<b>Batch B363343 - TO-15 Prep</b>										
<b>Blank (B363343-BLK1)</b>										
						Prepared & Analyzed: 01/12/24				
Acetone	ND	0.80								
Acrylonitrile	ND	0.12								
Benzene	ND	0.020								
Bromodichloromethane	ND	0.010								
Bromoform	ND	0.020								
2-Butanone (MEK)	ND	0.80								
n-Butylbenzene	ND	0.058								
sec-Butylbenzene	ND	0.046								
Carbon Tetrachloride	ND	0.010								V-34
Chlorobenzene	ND	0.020								
Chloroethane	ND	0.020								
Chloroform	ND	0.010								
Chloromethane	ND	0.040								
Dibromochloromethane	ND	0.010								
1,2-Dibromoethane (EDB)	ND	0.010								
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	0.010								
1,2-Dichloroethane	ND	0.010								
1,1-Dichloroethylene	ND	0.010								
cis-1,2-Dichloroethylene	ND	0.010								
trans-1,2-Dichloroethylene	ND	0.010								
1,2-Dichloropropane	ND	0.010								V-05
1,3-Dichloropropane	ND	0.054								
cis-1,3-Dichloropropene	ND	0.010								
trans-1,3-Dichloropropene	ND	0.010								
Ethylbenzene	ND	0.020								
Isopropylbenzene (Cumene)	ND	0.051								
p-Isopropyltoluene (p-Cymene)	ND	0.046								
Methyl tert-Butyl Ether (MTBE)	ND	0.020								
Methylene Chloride	ND	0.20								
4-Methyl-2-pentanone (MIBK)	ND	0.020								
Styrene	ND	0.020								
1,1,1,2-Tetrachloroethane	ND	0.036								
1,1,2,2-Tetrachloroethane	ND	0.010								
Tetrachloroethylene	ND	0.020								
Toluene	ND	0.020								
1,1,1-Trichloroethane	ND	0.010								
1,1,2-Trichloroethane	ND	0.010								
Trichloroethylene	ND	0.010								
Trichlorofluoromethane (Freon 11)	ND	0.080								
1,2,4-Trimethylbenzene	ND	0.020								
1,3,5-Trimethylbenzene	ND	0.020								
Vinyl Chloride	ND	0.020								

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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		
<b>Batch B363343 - TO-15 Prep</b>										
<b>Blank (B363343-BLK1)</b>					Prepared & Analyzed: 01/12/24					
m&p-Xylene	ND	0.040								
o-Xylene	ND	0.020								
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	8.38				8.00		105	70-130		
<i>Surrogate: 4-Bromofluorobenzene (2)</i>	8.07				8.00		101	70-130		
<b>LCS (B363343-BS1)</b>					Prepared & Analyzed: 01/12/24					
Acetone	3.75				5.00		74.9	70-130		
Acrylonitrile	3.60				2.88		125	70-130		
Benzene	4.30				5.00		85.9	70-130		
Bromodichloromethane	4.20				5.00		83.9	70-130		
Bromoform	5.76				5.00		115	70-130		
2-Butanone (MEK)	4.29				5.00		85.8	70-130		
n-Butylbenzene	1.50				1.14		<b>132</b> *	70-130		L-01
sec-Butylbenzene	1.44				1.14		127	70-130		
Carbon Tetrachloride	4.91				5.00		98.2	70-130		V-34
Chlorobenzene	4.47				5.00		89.4	70-130		
Chloroethane	4.04				5.00		80.9	70-130		
Chloroform	5.72				5.00		114	70-130		
Chloromethane	3.93				5.00		78.7	70-130		
Dibromochloromethane	5.20				5.00		104	70-130		
1,2-Dibromoethane (EDB)	4.47				5.00		89.3	70-130		
1,2-Dichlorobenzene	4.58				5.00		91.5	70-130		
1,3-Dichlorobenzene	4.80				5.00		96.0	70-130		
1,4-Dichlorobenzene	4.70				5.00		94.1	70-130		
Dichlorodifluoromethane (Freon 12)	5.66				5.00		113	70-130		
1,1-Dichloroethane	4.87				5.00		97.4	70-130		
1,2-Dichloroethane	5.39				5.00		108	70-130		
1,1-Dichloroethylene	4.47				5.00		89.4	70-130		
cis-1,2-Dichloroethylene	4.87				5.00		97.5	70-130		
trans-1,2-Dichloroethylene	5.06				5.00		101	70-130		
1,2-Dichloropropane	3.60				5.00		72.0	70-130		V-05
1,3-Dichloropropane	1.44				1.35		107	70-130		
cis-1,3-Dichloropropene	4.09				5.00		81.8	70-130		
trans-1,3-Dichloropropene	4.40				5.00		88.0	70-130		
Ethylbenzene	4.64				5.00		92.8	70-130		
Isopropylbenzene (Cumene)	1.36				1.27		107	70-130		
p-Isopropyltoluene (p-Cymene)	1.43				1.14		126	70-130		
Methyl tert-Butyl Ether (MTBE)	5.49				5.00		110	70-130		
Methylene Chloride	3.79				5.00		75.8	70-130		
4-Methyl-2-pentanone (MIBK)	3.63				5.00		72.5	70-130		
Styrene	4.60				5.00		91.9	70-130		
1,1,1,2-Tetrachloroethane	1.01				0.910		111	70-130		
1,1,2,2-Tetrachloroethane	4.09				5.00		81.7	70-130		
Tetrachloroethylene	4.59				5.00		91.7	70-130		
Toluene	4.56				5.00		91.2	70-130		
1,1,1-Trichloroethane	4.33				5.00		86.6	70-130		
1,1,2-Trichloroethane	4.52				5.00		90.3	70-130		

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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	RPD		
<b>Batch B363343 - TO-15 Prep</b>										
<b>LCS (B363343-BS1)</b>					Prepared & Analyzed: 01/12/24					
Trichloroethylene	4.39				5.00		87.7	70-130		
Trichlorofluoromethane (Freon 11)	5.20				5.00		104	70-130		
1,2,4-Trimethylbenzene	4.74				5.00		94.8	70-130		
1,3,5-Trimethylbenzene	4.82				5.00		96.4	70-130		
Vinyl Chloride	4.20				5.00		84.1	70-130		
m&p-Xylene	9.53				10.0		95.3	70-130		
o-Xylene	4.65				5.00		92.9	70-130		
Surrogate: 4-Bromofluorobenzene (1)	8.45				8.00		106	70-130		
Surrogate: 4-Bromofluorobenzene (2)	7.68				8.00		95.9	70-130		
<b>Duplicate (B363343-DUP1)</b>					Source: 24A1083-15		Prepared: 01/12/24 Analyzed: 01/13/24			
Acetone	2.4	0.80	5.6	1.9		3.7		44.1	25	R-01
Acrylonitrile	ND	0.12	ND	0.25		ND			25	V-29
Benzene	0.11	0.020	0.36	0.064		0.16		34.4	25	R-01
Bromodichloromethane	ND	0.010	ND	0.067		ND			25	
Bromoform	ND	0.020	ND	0.21		ND			25	
2-Butanone (MEK)	0.32	0.80	0.94	2.4		0.47		38.3	25	R-04
n-Butylbenzene	ND	0.058	ND	0.32		ND			25	
sec-Butylbenzene	ND	0.046	ND	0.25		ND			25	
Carbon Tetrachloride	0.048	0.010	0.30	0.063		0.070		37.0	25	R-01, V-29,
Chlorobenzene	ND	0.020	ND	0.092		ND			25	
Chloroethane	0.058	0.020	0.15	0.053		0.083		35.2	25	R-04
Chloroform	0.041	0.010	0.20	0.049		0.064		44.3	25	R-01
Chloromethane	0.82	0.040	1.7	0.083		1.2		38.9	25	R-01
Dibromochloromethane	ND	0.010	ND	0.085		ND			25	
1,2-Dibromoethane (EDB)	ND	0.010	ND	0.077		ND			25	
1,2-Dichlorobenzene	ND	0.020	ND	0.12		ND			25	
1,3-Dichlorobenzene	ND	0.020	ND	0.12		ND			25	
1,4-Dichlorobenzene	ND	0.020	ND	0.12		ND			25	
Dichlorodifluoromethane (Freon 12)	0.17	0.020	0.82	0.099		0.24		35.8	25	R-01
1,1-Dichloroethane	ND	0.010	ND	0.040		ND			25	R-04
1,2-Dichloroethane	0.016	0.010	0.063	0.040		0.025		47.1	25	R-04
1,1-Dichloroethylene	ND	0.010	ND	0.040		ND			25	
cis-1,2-Dichloroethylene	ND	0.010	ND	0.040		ND			25	
trans-1,2-Dichloroethylene	ND	0.010	ND	0.040		ND			25	
1,2-Dichloropropane	ND	0.010	ND	0.046		ND			25	V-05
1,3-Dichloropropane	ND	0.054	ND	0.25		ND			25	
cis-1,3-Dichloropropene	ND	0.010	ND	0.045		ND			25	
trans-1,3-Dichloropropene	ND	0.010	ND	0.045		ND			25	
Ethylbenzene	0.031	0.020	0.14	0.087		0.045		36.6	25	R-04, V-29
Isopropylbenzene (Cumene)	ND	0.051	ND	0.25		ND			25	
p-Isopropyltoluene (p-Cymene)	ND	0.046	ND	0.25		ND			25	
Methyl tert-Butyl Ether (MTBE)	ND	0.020	ND	0.072		ND			25	
Methylene Chloride	0.086	0.20	0.30	0.69		0.12		35.1	25	R-04
4-Methyl-2-pentanone (MIBK)	0.016	0.020	0.067	0.082		0.021		23.7	25	R-04, V-29

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**QUALITY CONTROL**
**Air Toxics by EPA Compendium Methods - Quality Control**

Analyte	ppbv		ug/m3		Spike Level ppbv	Source Result	%REC Limits	RPD	RPD Limit	Flag/Qual
	Results	RL	Results	RL						
<b>Batch B363343 - TO-15 Prep</b>										
<b>Duplicate (B363343-DUP1)</b>										
<b>Source: 24A1083-15</b>										
Prepared: 01/12/24 Analyzed: 01/13/24										
Styrene	0.050	0.020	0.21	0.085		0.074		<b>39.5</b>	25	R-04, V-29
1,1,1,2-Tetrachloroethane	ND	0.036	ND	0.25		ND			25	
1,1,2,2-Tetrachloroethane	ND	0.010	ND	0.069		ND			25	
Tetrachloroethylene	0.033	0.020	0.22	0.14		0.048		<b>38.4</b>	25	R-04, V-29
Toluene	0.18	0.020	0.69	0.075		0.27		<b>36.6</b>	25	R-01, V-29
1,1,1-Trichloroethane	ND	0.010	ND	0.055		ND			25	
1,1,2-Trichloroethane	ND	0.010	ND	0.055		ND			25	
Trichloroethylene	0.033	0.010	0.18	0.054		0.051		<b>43.1</b>	25	R-04, V-29
Trichlorofluoromethane (Freon 11)	0.20	0.080	1.1	0.45		0.33		<b>51.4</b>	25	R-04
1,2,4-Trimethylbenzene	0.069	0.020	0.34	0.098		0.10		<b>38.9</b>	25	R-01, V-29
1,3,5-Trimethylbenzene	ND	0.020	ND	0.098		0.018			25	R-04
Vinyl Chloride	0.071	0.020	0.18	0.051		0.12		<b>49.2</b>	25	R-01
m&p-Xylene	0.089	0.040	0.39	0.17		0.13		<b>39.9</b>	25	R-01, V-29
o-Xylene	0.046	0.020	0.20	0.087		0.068		<b>39.2</b>	25	R-04, V-29
Surrogate: 4-Bromofluorobenzene (1)	8.11					8.00		101	70-130	
Surrogate: 4-Bromofluorobenzene (2)	8.25					8.00		103	70-130	

**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.
L-01	Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
R-01	Duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result.
R-04	Duplicate relative percent difference (RPD) is outside of control limits. RPD is a less useful indicator of sample precision for sample results that are <5 times the reporting limit (RL).
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-29	Internal Standard response >40% of associated continuing calibration internal standard response.
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.



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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
<b>Initial Cal Check (S099147-ICV1)</b>									
Lab File ID: G23A292017.D					Analyzed: 10/20/23 16:14				
Bromochloromethane (1)	1107131	8.036	1080445	8.03	102	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2388965	9.804	2308848	9.804	103	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2148001	14.157	2077591	14.157	103	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (2)	2262761	9.798	2123982	9.798	107	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	449404	14.157	441126	14.157	102	60 - 140	0.0000	+/-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
<b>Calibration Check (S099171-CCV1)</b>									
Lab File ID: G24A012002.D					Analyzed: 01/12/24 09:07				
Bromochloromethane (1)	940935	8.03				60 - 140		+/-0.50	
1,4-Difluorobenzene (1)	2448600	9.798				60 - 140		+/-0.50	
Chlorobenzene-d5 (1)	2097968	14.157				60 - 140		+/-0.50	
1,4-Difluorobenzene (2)	2233461	9.798				60 - 140		+/-0.50	
Chlorobenzene-d5 (2)	443976	14.157				60 - 140		+/-0.50	
<b>LCS (B363343-BS1)</b>									
Lab File ID: G24A012004.D					Analyzed: 01/12/24 10:27				
Bromochloromethane (1)	789960	8.03	940935	8.03	84	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2288908	9.798	2448600	9.798	93	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2076064	14.157	2097968	14.157	99	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (2)	1899563	9.798	2233461	9.798	85	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	447938	14.151	443976	14.157	101	60 - 140	-0.0060	+/-0.50	
<b>Blank (B363343-BLK1)</b>									
Lab File ID: G24A012009.D					Analyzed: 01/12/24 14:04				
Bromochloromethane (1)	699961	8.036	940935	8.03	74	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	1949793	9.798	2448600	9.798	80	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1771924	14.157	2097968	14.157	84	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (2)	1944099	9.798	2233461	9.798	87	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	390923	14.151	443976	14.157	88	60 - 140	-0.0060	+/-0.50	
<b>Gymnasium (24A1083-01)</b>									
Lab File ID: G24A012010.D					Analyzed: 01/12/24 15:03				
Bromochloromethane (1)	702230	8.03	940935	8.03	75	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	1926096	9.798	2448600	9.798	79	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1735427	14.151	2097968	14.157	83	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (2)	1923394	9.798	2233461	9.798	86	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	388146	14.151	443976	14.157	87	60 - 140	-0.0060	+/-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
<b>Cafeteria (24A1083-02)</b>									
Lab File ID: G24A012011.D					Analyzed: 01/12/24 16:02				
Bromochloromethane (1)	775686	8.03	940935	8.03	82	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2212627	9.798	2448600	9.798	90	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1972812	14.151	2097968	14.157	94	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (2)	2211825	9.798	2233461	9.798	99	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	416882	14.151	443976	14.157	94	60 - 140	-0.0060	+/-0.50	
<b>Kitchen Storage Room (24A1083-03)</b>									
Lab File ID: G24A012012.D					Analyzed: 01/12/24 16:59				
Bromochloromethane (1)	742141	8.03	940935	8.03	79	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2197837	9.798	2448600	9.798	90	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2002856	14.151	2097968	14.157	95	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (2)	2195948	9.798	2233461	9.798	98	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	433131	14.151	443976	14.157	98	60 - 140	-0.0060	+/-0.50	
<b>Elevator Hallway (24A1083-04)</b>									
Lab File ID: G24A012013.D					Analyzed: 01/12/24 17:53				
Bromochloromethane (1)	679074	8.03	940935	8.03	72	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2103270	9.798	2448600	9.798	86	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1919611	14.151	2097968	14.157	91	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (2)	2100769	9.798	2233461	9.798	94	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	406688	14.151	443976	14.157	92	60 - 140	-0.0060	+/-0.50	
<b>Room 145 (24A1083-05)</b>									
Lab File ID: G24A012014.D					Analyzed: 01/12/24 18:52				
Bromochloromethane (1)	654852	8.03	940935	8.03	70	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	1989044	9.798	2448600	9.798	81	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1809054	14.151	2097968	14.157	86	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (2)	1986356	9.798	2233461	9.798	89	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	382784	14.151	443976	14.157	86	60 - 140	-0.0060	+/-0.50	
<b>Room 152 (24A1083-06)</b>									
Lab File ID: G24A012015.D					Analyzed: 01/12/24 19:45				
Bromochloromethane (1)	714062	8.024	940935	8.03	76	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2153191	9.798	2448600	9.798	88	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1939946	14.151	2097968	14.157	92	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (2)	2150444	9.798	2233461	9.798	96	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	411816	14.151	443976	14.157	93	60 - 140	-0.0060	+/-0.50	
<b>Room 118 (24A1083-07)</b>									
Lab File ID: G24A012016.D					Analyzed: 01/12/24 20:41				
Bromochloromethane (1)	710943	8.03	940935	8.03	76	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2142582	9.798	2448600	9.798	88	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1886502	14.151	2097968	14.157	90	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (2)	2139202	9.798	2233461	9.798	96	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	396208	14.151	443976	14.157	89	60 - 140	-0.0060	+/-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
<b>Room 110 (24A1083-08)</b>									
Lab File ID: G24A012017.D					Analyzed: 01/12/24 21:41				
Bromochloromethane (1)	692361	8.03	940935	8.03	74	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2079662	9.798	2448600	9.798	85	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1865530	14.151	2097968	14.157	89	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (2)	2077995	9.798	2233461	9.798	93	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	399541	14.151	443976	14.157	90	60 - 140	-0.0060	+/-0.50	
<b>Outdoor Ambient (24A1083-09)</b>									
Lab File ID: G24A012018.D					Analyzed: 01/12/24 22:39				
Bromochloromethane (1)	689280	8.024	940935	8.03	73	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (1)	1871970	9.78	2448600	9.798	76	60 - 140	-0.0180	+/-0.50	
Chlorobenzene-d5 (1)	1952252	14.151	2097968	14.157	93	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (2)	1869983	9.78	2233461	9.798	84	60 - 140	-0.0180	+/-0.50	
Chlorobenzene-d5 (2)	424298	14.145	443976	14.157	96	60 - 140	-0.0120	+/-0.50	
<b>IMP-1 (24A1083-10)</b>									
Lab File ID: G24A012019.D					Analyzed: 01/12/24 23:31				
Bromochloromethane (1)	756362	8.024	940935	8.03	80	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2143123	9.798	2448600	9.798	88	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1930115	14.151	2097968	14.157	92	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (2)	2139953	9.798	2233461	9.798	96	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	420316	14.151	443976	14.157	95	60 - 140	-0.0060	+/-0.50	
<b>IMP-2 (24A1083-11)</b>									
Lab File ID: G24A012020.D					Analyzed: 01/13/24 00:26				
Bromochloromethane (1)	593624	8.024	940935	8.03	63	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2052571	9.798	2448600	9.798	84	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1823323	14.151	2097968	14.157	87	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (2)	2051560	9.798	2233461	9.798	92	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	371112	14.151	443976	14.157	84	60 - 140	-0.0060	+/-0.50	
<b>MP-1 (24A1083-12)</b>									
Lab File ID: G24A012021.D					Analyzed: 01/13/24 01:22				
Bromochloromethane (1)	877521	8.03	940935	8.03	93	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2932488	9.798	2448600	9.798	120	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2627626	14.151	2097968	14.157	125	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (2)	2928127	9.798	2233461	9.798	131	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	515026	14.151	443976	14.157	116	60 - 140	-0.0060	+/-0.50	
<b>MP-3 (24A1083-13)</b>									
Lab File ID: G24A012022.D					Analyzed: 01/13/24 02:13				
Bromochloromethane (1)	846144	8.03	940935	8.03	90	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2714902	9.798	2448600	9.798	111	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2405301	14.151	2097968	14.157	115	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (2)	2709893	9.798	2233461	9.798	121	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	479325	14.151	443976	14.157	108	60 - 140	-0.0060	+/-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
<b>MP-4 (24A1083-14)</b>		Lab File ID: G24A012023.D			Analyzed: 01/13/24 03:06				
Bromochloromethane (1)	651821	8.03	940935	8.03	69	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2139234	9.798	2448600	9.798	87	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1940829	14.151	2097968	14.157	93	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (2)	2135986	9.798	2233461	9.798	96	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	381525	14.151	443976	14.157	86	60 - 140	-0.0060	+/-0.50	
<b>MP-6 (24A1083-15)</b>		Lab File ID: G24A012024.D			Analyzed: 01/13/24 04:03				
Bromochloromethane (1)	938916	8.03	940935	8.03	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2971391	9.798	2448600	9.798	121	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2767156	14.157	2097968	14.157	132	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (2)	2967754	9.798	2233461	9.798	133	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	562639	14.151	443976	14.157	127	60 - 140	-0.0060	+/-0.50	
<b>Duplicate (B363343-DUP1)</b>		Lab File ID: G24A012025.D			Analyzed: 01/13/24 05:03				
Bromochloromethane (1)	1199265	8.03	940935	8.03	127	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	3552013	9.798	2448600	9.798	145	60 - 140	0.0000	+/-0.50	*
Chlorobenzene-d5 (1)	3270520	14.151	2097968	14.157	156	60 - 140	-0.0060	+/-0.50	*
1,4-Difluorobenzene (2)	3546752	9.798	2233461	9.798	159	60 - 140	0.0000	+/-0.50	*
Chlorobenzene-d5 (2)	686025	14.151	443976	14.157	155	60 - 140	-0.0060	+/-0.50	*

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## CONTINUING CALIBRATION CHECK

## EPA TO-15

## S099171-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	3.71	1.253837	0.9300808		-25.8	30
Acrylonitrile	A	2.88	2.88	0.2468277	0.246808		-0.008	30
Benzene	A	5.00	4.12	0.8684626	0.7163401		-17.5	30
Bromodichloromethane	A	5.00	4.07	0.6466079	0.526914		-18.5	30
Bromoform	A	5.00	5.74	0.49181	0.5646218		14.8	30
2-Butanone (MEK)	A	5.00	4.04	1.368491	1.105617		-19.2	30
n-Butylbenzene	A	1.14	1.35	6.877448	8.158842		18.6	30
sec-Butylbenzene	A	1.14	1.38	8.092785	9.794144		21.0	30
Carbon Tetrachloride	A	5.00	4.68	0.5028663	0.4707604		-6.4	30
Chlorobenzene	A	5.00	4.53	0.7938095	0.7196098		-9.3	30
Chloroethane	A	5.00	4.00	0.3867242	0.3097566		-19.9	30
Chloroform	A	5.00	5.08	1.333154	1.353542		1.5	30
Chloromethane	A	5.00	4.08	0.8060089	0.6585586		-18.3	30
Dibromochloromethane	A	5.00	5.08	0.5690602	0.5786925		1.7	30
1,2-Dibromoethane (EDB)	A	5.00	4.55	0.5508419	0.5011066		-9.0	30
1,2-Dichlorobenzene	A	5.00	5.38	0.611771	0.6585443		7.6	30
1,3-Dichlorobenzene	A	5.00	5.33	0.6655601	0.7097824		6.6	30
1,4-Dichlorobenzene	A	5.00	5.34	0.6548725	0.6997964		6.9	30
Dichlorodifluoromethane (Freon 12)	A	5.00	4.22	1.473649	1.243672		-15.6	30
1,1-Dichloroethane	A	5.00	4.47	1.285457	1.150281		-10.5	30
1,2-Dichloroethane	A	5.00	4.83	0.8583468	0.8289695		-3.4	30
1,1-Dichloroethylene	A	5.00	4.13	1.158191	0.9560652		-17.5	30
cis-1,2-Dichloroethylene	A	5.00	4.30	0.8951228	0.7707244		-13.9	30
trans-1,2-Dichloroethylene	A	5.00	4.33	0.9491098	0.8222766		-13.4	30
1,2-Dichloropropane	A	5.00	3.48	0.3842394	0.267224		-30.5	30 *
1,3-Dichloropropane	A	1.35	1.43	3.068191	3.239775		5.6	30
cis-1,3-Dichloropropene	A	5.00	4.21	0.4877278	0.4103086		-15.9	30
trans-1,3-Dichloropropene	A	5.00	3.75	0.418464	0.3139525		-25.0	30
Ethylbenzene	A	5.00	4.63	1.272472	1.17881		-7.4	30
Isopropylbenzene (Cumene)	A	1.27	1.45	7.546637	8.598365		13.9	30
p-Isopropyltoluene (p-Cymene)	A	1.14	1.37	6.491567	7.823198		20.5	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	4.65	1.657241	1.540947		-7.0	30
Methylene Chloride	A	5.00	3.81	0.9400837	0.71654		-23.8	30
4-Methyl-2-pentanone (MIBK)	A	5.00	3.55	0.7265234	0.5158494		-29.0	30
Styrene	A	5.00	4.75	0.6906671	0.6561122		-5.0	30
1,1,1,2-Tetrachloroethane	A	0.910	0.926	2.742851	2.790528		1.7	30
1,1,1,2,2-Tetrachloroethane	A	5.00	4.55	0.8772082	0.7982131		-9.0	30
Tetrachloroethylene	A	5.00	4.76	0.4521555	0.4303783		-4.8	30

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## CONTINUING CALIBRATION CHECK

EPA TO-15

S099171-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Toluene	A	5.00	4.43	1.010526	0.8952434		-11.4	30
1,1,1-Trichloroethane	A	5.00	4.37	0.5448066	0.4763172		-12.6	30
1,1,2-Trichloroethane	A	5.00	4.51	0.3695607	0.3330308		-9.9	30
Trichloroethylene	A	5.00	4.21	0.3627816	0.3056048		-15.8	30
Trichlorofluoromethane (Freon 11)	A	5.00	4.74	1.654139	1.56726		-5.3	30
1,2,4-Trimethylbenzene	A	5.00	5.14	0.9638546	0.9901009		2.7	30
1,3,5-Trimethylbenzene	A	5.00	5.14	1.010116	1.039067		2.9	30
Vinyl Chloride	A	5.00	4.12	0.8419547	0.6937185		-17.6	30
m&p-Xylene	A	10.0	9.65	0.9796309	0.9453029		-3.5	30
o-Xylene	A	5.00	4.78	0.9863106	0.9418958		-4.5	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	NY,ME,NH
Acrylonitrile	NJ,NY,ME,NH
Benzene	FL,NJ,NY,ME,NH,VA
Bromodichloromethane	NJ,NY,ME,NH,VA
Bromoform	NJ,NY,ME,NH,VA
2-Butanone (MEK)	FL,NJ,NY,ME,NH,VA
Carbon Tetrachloride	FL,NJ,NY,ME,NH,VA
Chlorobenzene	FL,NJ,NY,ME,NH,VA
Chloroethane	FL,NJ,NY,ME,NH,VA
Chloroform	FL,NJ,NY,ME,NH,VA
Chloromethane	FL,NJ,NY,ME,NH,VA
Dibromochloromethane	NY,ME,NH
1,2-Dibromoethane (EDB)	NJ,NY,ME,NH
1,2-Dichlorobenzene	FL,NJ,NY,ME,NH,VA
1,3-Dichlorobenzene	NJ,NY,ME,NH
1,4-Dichlorobenzene	FL,NJ,NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	NY,ME,NH
1,1-Dichloroethane	FL,NJ,NY,ME,NH,VA
1,2-Dichloroethane	FL,NJ,NY,ME,NH,VA
1,1-Dichloroethylene	FL,NJ,NY,ME,NH,VA
cis-1,2-Dichloroethylene	FL,NY,ME,NH,VA
trans-1,2-Dichloroethylene	NJ,NY,ME,NH,VA
1,2-Dichloropropane	FL,NJ,NY,ME,NH,VA
cis-1,3-Dichloropropene	FL,NJ,NY,ME,NH,VA
trans-1,3-Dichloropropene	NY,ME,NH
Ethylbenzene	FL,NJ,NY,ME,NH,VA
Isopropylbenzene (Cumene)	NJ,NY,ME,NH
Methyl tert-Butyl Ether (MTBE)	FL,NJ,NY,ME,NH,VA
Methylene Chloride	FL,NJ,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	FL,NJ,NY,ME,NH
Styrene	FL,NJ,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	FL,NJ,NY,ME,NH,VA
Tetrachloroethylene	FL,NJ,NY,ME,NH,VA
Toluene	FL,NJ,NY,ME,NH,VA
1,1,1-Trichloroethane	FL,NJ,NY,ME,NH,VA
1,1,2-Trichloroethane	FL,NJ,NY,ME,NH,VA
Trichloroethylene	FL,NJ,NY,ME,NH,VA
Trichlorofluoromethane (Freon 11)	NY,ME,NH
1,2,4-Trimethylbenzene	NJ,NY,ME,NH
1,3,5-Trimethylbenzene	NJ,NY,ME,NH
Vinyl Chloride	FL,NJ,NY,ME,NH,VA
m&p-Xylene	FL,NJ,NY,ME,NH,VA
o-Xylene	FL,NJ,NY,ME,NH,VA

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

Code	Description	Number	Expires
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
NJ	New Jersey DEP	MA007 NELAP	06/30/2024
FL	Florida Department of Health	E871027 NELAP	06/30/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024





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http://www.pacelabs.com

**Pace Analytical**  
24A1083  
Phone: 413-525-2332  
Fax: 413-525-6405  
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CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street  
East Longmeadow, MA 01028

Page 2 of 2

<b>Company Name:</b> EA Engineering Address: 301 Metro Center Blvd, Ste 102, Wrentham RI 02896 Phone: 401-352-5745 <b>Project Name:</b> Alvarez High School Project Location: Providence, RI Project Number: 1506611 Project Manager: Jonathan Alvarez Pace Quote Name/Number: Invoice Recipient: Melanie Dina Sampled By: TC/SP		<b>Requested Turnaround Time:</b> 7-Day <input type="checkbox"/> 10-Day <input type="checkbox"/> Due Date: <b>Analysis Requested:</b> 1-Day <input type="checkbox"/> 3-Day <input checked="" type="checkbox"/> 4-Day <input type="checkbox"/> Format: PDF <input checked="" type="checkbox"/> EXCEL <input type="checkbox"/> Other: Please report in $\mu\text{g}/\text{m}^3$ ? <input type="checkbox"/> CLP Like Data Pkg Required: <input type="checkbox"/> Email To: ja.ware@east.com Fax To: j.juniglion@east.com				
Lab Use	Client Use	Collection Data	Duration	Flow Rate	Matrix	Volume
Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Total Minutes Sampled	m <sup>3</sup> /min L/min	Code	Liters ms
10	IMP-1	1058 1123	25		SS	6
11	IMP-2	1051 1121	30		SS	
12	MP-1	1221 1301	40		SS	
13	MP-3	1213 1253	40		SS	
14	MP-4	11024 0915	22		SS	
15	MP-6	11024 0910	23		SS	
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						
Lab Receipt Pressure: _____ Final Pressure: _____ Initial Pressure: _____ " Hg						
Summa Can ID: _____ Flow Controller ID: _____ 2229 4090 1853 4213 1886 4104 1459 4298 2016 4191 1954 4076						

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



Detection Limit Requirements	Special Requirements
MA MCP Required <input type="checkbox"/>	MA MCP Required <input type="checkbox"/>
MCP Certification Form Required <input type="checkbox"/>	MCP Certification Form Required <input type="checkbox"/>
CT RCP Required <input type="checkbox"/>	CT RCP Required <input type="checkbox"/>
RCP Certification Form Required <input type="checkbox"/>	RCP Certification Form Required <input type="checkbox"/>
Other <input type="checkbox"/>	Other <input type="checkbox"/>

Comments:

Please report in  $\mu\text{g}/\text{m}^3$   
 3 day turnaround time

Relinquished by: (signature)	Date/Time: 1/10/24 1411
Received by: (signature)	Date/Time: 1-10-24
Relinquished by: (signature)	Date/Time: 170-24
Received by: (signature)	Date/Time: 1/10/24 1620
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:



January 31, 2024

Johnathan Alvarez  
EA Engineering Science & Tech. - RI  
301 Metro Center Blvd, Suite 102  
Warwick, RI 02886

Project Location: Providence, RI  
Client Job Number:  
Project Number: 15066.11  
Laboratory Work Order Number: 24A2646

Enclosed are results of analyses for samples as received by the laboratory on January 26, 2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kaitlyn A. Feliciano  
Project Manager

## Table of Contents

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EA Engineering Science & Tech. - RI  
 301 Metro Center Blvd, Suite 102  
 Warwick, RI 02886  
 ATTN: Johnathan Alvarez

REPORT DATE: 1/31/2024

PURCHASE ORDER NUMBER: 18155

PROJECT NUMBER: 15066.11

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 24A2646

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

PROJECT LOCATION: Providence, RI

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Kitchen Storage Room	24A2646-01	Indoor air		- EPA TO-15	
Room 145	24A2646-02	Indoor air		- EPA TO-15	
Room 152	24A2646-03	Indoor air		- EPA TO-15	
Room 116	24A2646-04	Indoor air		- 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:****L-01**

Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

**Analyte & Samples(s) Qualified:****1,1,1,2-Tetrachloroethane**

B364693-BS1

**1,3-Dichloropropane**

B364693-BS1

**Acrylonitrile**

B364693-BS1

**Bromoform**

B364693-BS1

**n-Butylbenzene**

B364693-BS1

**p-Isopropyltoluene (p-Cymene)**

B364693-BS1

**sec-Butylbenzene**

B364693-BS1

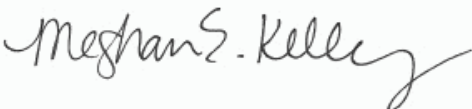
**EPA TO-15**

Initial and continuing calibrations met all required performance standards for RCP compounds that are Title III Clean Air Act Amendment compounds listed in table 1 of the TO-15 method unless otherwise specified in this narrative.

Laboratory control sample recoveries and sample replicate RPDs were all within limits specified by the method for RCP compounds that are Title III Clean Air Act Amendment compounds listed in table 1 of the TO-15 method unless otherwise specified in this narrative. Recovery limits of 50-150% are used for propene, acetone, ethanol, isopropanol, ethyl acetate, tetrahydrofuran, cyclohexane, heptane, 2-hexanone, 4-ethyltoluene, n-butylbenzene, sec-butylbenzene, 4-isopropyltoluene, and 1,1,1,2-tetrachloroethane.

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.



Meghan E. Kelley  
Reporting Specialist

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**ANALYTICAL RESULTS**

 Project Location: Providence, RI  
 Date Received: 1/26/2024  
**Field Sample #: Kitchen Storage Room**  
**Sample ID: 24A2646-01**  
 Sample Matrix: Indoor air  
 Sampled: 1/26/2024 11:49

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1130  
 Canister Size: 6 liter  
 Flow Controller ID: 4212  
 Sample Type: 30 min

**Work Order: 24A2646**  
 Initial Vacuum(in Hg): -28.5  
 Final Vacuum(in Hg): 0  
 Receipt Vacuum(in Hg): 0.6  
 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	9.0	0.80		21	1.9	0.4	1/29/24 17:55	TPH
Acrylonitrile	ND	0.12		ND	0.25	0.4	1/29/24 17:55	TPH
Benzene	0.20	0.020		0.64	0.064	0.4	1/29/24 17:55	TPH
Bromodichloromethane	0.012	0.010		0.080	0.067	0.4	1/29/24 17:55	TPH
Bromoform	ND	0.020		ND	0.21	0.4	1/29/24 17:55	TPH
2-Butanone (MEK)	ND	0.80		ND	2.4	0.4	1/29/24 17:55	TPH
n-Butylbenzene	ND	0.058		ND	0.32	0.4	1/29/24 17:55	TPH
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	1/29/24 17:55	TPH
Carbon Tetrachloride	0.077	0.010		0.49	0.063	0.4	1/29/24 17:55	TPH
Chlorobenzene	ND	0.020		ND	0.092	0.4	1/29/24 17:55	TPH
Chloroethane	ND	0.020		ND	0.053	0.4	1/29/24 17:55	TPH
Chloroform	0.19	0.010		0.93	0.049	0.4	1/29/24 17:55	TPH
Chloromethane	0.59	0.040		1.2	0.083	0.4	1/29/24 17:55	TPH
Dibromochloromethane	ND	0.010		ND	0.085	0.4	1/29/24 17:55	TPH
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	1/29/24 17:55	TPH
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/29/24 17:55	TPH
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/29/24 17:55	TPH
1,4-Dichlorobenzene	0.072	0.020		0.43	0.12	0.4	1/29/24 17:55	TPH
Dichlorodifluoromethane (Freon 12)	0.22	0.020		1.1	0.099	0.4	1/29/24 17:55	TPH
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	1/29/24 17:55	TPH
1,2-Dichloroethane	0.021	0.010		0.086	0.040	0.4	1/29/24 17:55	TPH
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/29/24 17:55	TPH
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/29/24 17:55	TPH
trans-1,2-Dichloroethylene	0.010	0.010		0.041	0.040	0.4	1/29/24 17:55	TPH
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	1/29/24 17:55	TPH
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	1/29/24 17:55	TPH
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/29/24 17:55	TPH
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/29/24 17:55	TPH
Ethylbenzene	0.035	0.020		0.15	0.087	0.4	1/29/24 17:55	TPH
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	1/29/24 17:55	TPH
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	1/29/24 17:55	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	1/29/24 17:55	TPH
Methylene Chloride	ND	0.20		ND	0.69	0.4	1/29/24 17:55	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.020		ND	0.082	0.4	1/29/24 17:55	TPH
Styrene	0.068	0.020		0.29	0.085	0.4	1/29/24 17:55	TPH
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	1/29/24 17:55	TPH
1,1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	1/29/24 17:55	TPH



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**ANALYTICAL RESULTS**

 Project Location: Providence, RI  
 Date Received: 1/26/2024  
**Field Sample #: Kitchen Storage Room**  
**Sample ID: 24A2646-01**  
 Sample Matrix: Indoor air  
 Sampled: 1/26/2024 11:49

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1130  
 Canister Size: 6 liter  
 Flow Controller ID: 4212  
 Sample Type: 30 min

**Work Order: 24A2646**  
 Initial Vacuum(in Hg): -28.5  
 Final Vacuum(in Hg): 0  
 Receipt Vacuum(in Hg): 0.6  
 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		
Tetrachloroethylene	0.024	0.020		0.17	0.14	0.4	1/29/24	17:55	TPH
Toluene	0.21	0.020		0.81	0.075	0.4	1/29/24	17:55	TPH
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	1/29/24	17:55	TPH
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	1/29/24	17:55	TPH
Trichloroethylene	ND	0.010		ND	0.054	0.4	1/29/24	17:55	TPH
Trichlorofluoromethane (Freon 11)	0.27	0.080		1.5	0.45	0.4	1/29/24	17:55	TPH
1,2,4-Trimethylbenzene	0.041	0.020		0.20	0.098	0.4	1/29/24	17:55	TPH
1,3,5-Trimethylbenzene	ND	0.020		ND	0.098	0.4	1/29/24	17:55	TPH
Vinyl Chloride	ND	0.020		ND	0.051	0.4	1/29/24	17:55	TPH
m&p-Xylene	0.10	0.040		0.45	0.17	0.4	1/29/24	17:55	TPH
o-Xylene	0.042	0.020		0.18	0.087	0.4	1/29/24	17:55	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	98.9	70-130	1/29/24 17:55
4-Bromofluorobenzene (2)	101	70-130	1/29/24 17:55

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**ANALYTICAL RESULTS**

 Project Location: Providence, RI  
 Date Received: 1/26/2024  
**Field Sample #: Room 145**  
**Sample ID: 24A2646-02**  
 Sample Matrix: Indoor air  
 Sampled: 1/26/2024 11:39

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1816  
 Canister Size: 6 liter  
 Flow Controller ID: 4075  
 Sample Type: 30 min

**Work Order: 24A2646**  
 Initial Vacuum(in Hg): -29  
 Final Vacuum(in Hg): -3  
 Receipt Vacuum(in Hg): -3.5  
 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		
Acetone	2.9	0.80		6.9	1.9	0.4	1/29/24 18:52	TPH	
Acrylonitrile	ND	0.12		ND	0.25	0.4	1/29/24 18:52	TPH	
Benzene	0.18	0.020		0.58	0.064	0.4	1/29/24 18:52	TPH	
Bromodichloromethane	ND	0.010		ND	0.067	0.4	1/29/24 18:52	TPH	
Bromoform	ND	0.020		ND	0.21	0.4	1/29/24 18:52	TPH	
2-Butanone (MEK)	ND	0.80		ND	2.4	0.4	1/29/24 18:52	TPH	
n-Butylbenzene	ND	0.058		ND	0.32	0.4	1/29/24 18:52	TPH	
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	1/29/24 18:52	TPH	
Carbon Tetrachloride	0.084	0.010		0.53	0.063	0.4	1/29/24 18:52	TPH	
Chlorobenzene	ND	0.020		ND	0.092	0.4	1/29/24 18:52	TPH	
Chloroethane	ND	0.020		ND	0.053	0.4	1/29/24 18:52	TPH	
Chloroform	0.039	0.010		0.19	0.049	0.4	1/29/24 18:52	TPH	
Chloromethane	0.56	0.040		1.2	0.083	0.4	1/29/24 18:52	TPH	
Dibromochloromethane	ND	0.010		ND	0.085	0.4	1/29/24 18:52	TPH	
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	1/29/24 18:52	TPH	
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/29/24 18:52	TPH	
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/29/24 18:52	TPH	
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/29/24 18:52	TPH	
Dichlorodifluoromethane (Freon 12)	0.22	0.020		1.1	0.099	0.4	1/29/24 18:52	TPH	
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	1/29/24 18:52	TPH	
1,2-Dichloroethane	0.022	0.010		0.091	0.040	0.4	1/29/24 18:52	TPH	
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/29/24 18:52	TPH	
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/29/24 18:52	TPH	
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/29/24 18:52	TPH	
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	1/29/24 18:52	TPH	
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	1/29/24 18:52	TPH	
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/29/24 18:52	TPH	
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/29/24 18:52	TPH	
Ethylbenzene	0.044	0.020		0.19	0.087	0.4	1/29/24 18:52	TPH	
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	1/29/24 18:52	TPH	
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	1/29/24 18:52	TPH	
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	1/29/24 18:52	TPH	
Methylene Chloride	ND	0.20		ND	0.69	0.4	1/29/24 18:52	TPH	
4-Methyl-2-pentanone (MIBK)	ND	0.020		ND	0.082	0.4	1/29/24 18:52	TPH	
Styrene	0.029	0.020		0.12	0.085	0.4	1/29/24 18:52	TPH	
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	1/29/24 18:52	TPH	
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	1/29/24 18:52	TPH	

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**ANALYTICAL RESULTS**

 Project Location: Providence, RI  
 Date Received: 1/26/2024  
**Field Sample #: Room 145**  
**Sample ID: 24A2646-02**  
 Sample Matrix: Indoor air  
 Sampled: 1/26/2024 11:39

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1816  
 Canister Size: 6 liter  
 Flow Controller ID: 4075  
 Sample Type: 30 min

**Work Order: 24A2646**  
 Initial Vacuum(in Hg): -29  
 Final Vacuum(in Hg): -3  
 Receipt Vacuum(in Hg): -3.5  
 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		
Tetrachloroethylene	ND	0.020		ND	0.14	0.4	1/29/24	18:52	TPH
Toluene	0.24	0.020		0.90	0.075	0.4	1/29/24	18:52	TPH
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	1/29/24	18:52	TPH
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	1/29/24	18:52	TPH
Trichloroethylene	ND	0.010		ND	0.054	0.4	1/29/24	18:52	TPH
Trichlorofluoromethane (Freon 11)	0.28	0.080		1.6	0.45	0.4	1/29/24	18:52	TPH
1,2,4-Trimethylbenzene	0.035	0.020		0.17	0.098	0.4	1/29/24	18:52	TPH
1,3,5-Trimethylbenzene	ND	0.020		ND	0.098	0.4	1/29/24	18:52	TPH
Vinyl Chloride	ND	0.020		ND	0.051	0.4	1/29/24	18:52	TPH
m&p-Xylene	0.13	0.040		0.58	0.17	0.4	1/29/24	18:52	TPH
o-Xylene	0.048	0.020		0.21	0.087	0.4	1/29/24	18:52	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	99.8	70-130	1/29/24 18:52
4-Bromofluorobenzene (2)	101	70-130	1/29/24 18:52

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**ANALYTICAL RESULTS**

 Project Location: Providence, RI  
 Date Received: 1/26/2024  
**Field Sample #: Room 152**  
**Sample ID: 24A2646-03**  
 Sample Matrix: Indoor air  
 Sampled: 1/26/2024 11:46

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1970  
 Canister Size: 6 liter  
 Flow Controller ID: 4315  
 Sample Type: 30 min

**Work Order: 24A2646**  
 Initial Vacuum(in Hg): -27.5  
 Final Vacuum(in Hg): -4  
 Receipt Vacuum(in Hg): -4.3  
 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	3.7	0.80		8.8	1.9	0.4	1/29/24 19:51	TPH	
Acrylonitrile	ND	0.12		ND	0.25	0.4	1/29/24 19:51	TPH	
Benzene	0.20	0.020		0.63	0.064	0.4	1/29/24 19:51	TPH	
Bromodichloromethane	ND	0.010		ND	0.067	0.4	1/29/24 19:51	TPH	
Bromoform	ND	0.020		ND	0.21	0.4	1/29/24 19:51	TPH	
2-Butanone (MEK)	ND	0.80		ND	2.4	0.4	1/29/24 19:51	TPH	
n-Butylbenzene	ND	0.058		ND	0.32	0.4	1/29/24 19:51	TPH	
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	1/29/24 19:51	TPH	
Carbon Tetrachloride	0.085	0.010		0.54	0.063	0.4	1/29/24 19:51	TPH	
Chlorobenzene	ND	0.020		ND	0.092	0.4	1/29/24 19:51	TPH	
Chloroethane	ND	0.020		ND	0.053	0.4	1/29/24 19:51	TPH	
Chloroform	0.033	0.010		0.16	0.049	0.4	1/29/24 19:51	TPH	
Chloromethane	0.55	0.040		1.1	0.083	0.4	1/29/24 19:51	TPH	
Dibromochloromethane	ND	0.010		ND	0.085	0.4	1/29/24 19:51	TPH	
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	1/29/24 19:51	TPH	
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/29/24 19:51	TPH	
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/29/24 19:51	TPH	
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/29/24 19:51	TPH	
Dichlorodifluoromethane (Freon 12)	0.21	0.020		1.1	0.099	0.4	1/29/24 19:51	TPH	
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	1/29/24 19:51	TPH	
1,2-Dichloroethane	0.023	0.010		0.094	0.040	0.4	1/29/24 19:51	TPH	
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/29/24 19:51	TPH	
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/29/24 19:51	TPH	
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/29/24 19:51	TPH	
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	1/29/24 19:51	TPH	
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	1/29/24 19:51	TPH	
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/29/24 19:51	TPH	
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/29/24 19:51	TPH	
Ethylbenzene	0.042	0.020		0.18	0.087	0.4	1/29/24 19:51	TPH	
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	1/29/24 19:51	TPH	
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	1/29/24 19:51	TPH	
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	1/29/24 19:51	TPH	
Methylene Chloride	ND	0.20		ND	0.69	0.4	1/29/24 19:51	TPH	
4-Methyl-2-pentanone (MIBK)	0.021	0.020		0.085	0.082	0.4	1/29/24 19:51	TPH	
Styrene	0.026	0.020		0.11	0.085	0.4	1/29/24 19:51	TPH	
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	1/29/24 19:51	TPH	
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	1/29/24 19:51	TPH	

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**ANALYTICAL RESULTS**

 Project Location: Providence, RI  
 Date Received: 1/26/2024  
**Field Sample #: Room 152**  
**Sample ID: 24A2646-03**  
 Sample Matrix: Indoor air  
 Sampled: 1/26/2024 11:46

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1970  
 Canister Size: 6 liter  
 Flow Controller ID: 4315  
 Sample Type: 30 min

**Work Order: 24A2646**  
 Initial Vacuum(in Hg): -27.5  
 Final Vacuum(in Hg): -4  
 Receipt Vacuum(in Hg): -4.3  
 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		
Tetrachloroethylene	ND	0.020		ND	0.14	0.4	1/29/24 19:51	TPH	
Toluene	0.25	0.020		0.94	0.075	0.4	1/29/24 19:51	TPH	
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	1/29/24 19:51	TPH	
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	1/29/24 19:51	TPH	
Trichloroethylene	ND	0.010		ND	0.054	0.4	1/29/24 19:51	TPH	
Trichlorofluoromethane (Freon 11)	0.25	0.080		1.4	0.45	0.4	1/29/24 19:51	TPH	
1,2,4-Trimethylbenzene	0.044	0.020		0.21	0.098	0.4	1/29/24 19:51	TPH	
1,3,5-Trimethylbenzene	ND	0.020		ND	0.098	0.4	1/29/24 19:51	TPH	
Vinyl Chloride	ND	0.020		ND	0.051	0.4	1/29/24 19:51	TPH	
m&p-Xylene	0.12	0.040		0.53	0.17	0.4	1/29/24 19:51	TPH	
o-Xylene	0.048	0.020		0.21	0.087	0.4	1/29/24 19:51	TPH	

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	97.6	70-130	1/29/24 19:51
4-Bromofluorobenzene (2)	96.4	70-130	1/29/24 19:51

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**ANALYTICAL RESULTS**

 Project Location: Providence, RI  
 Date Received: 1/26/2024  
**Field Sample #: Room 116**  
**Sample ID: 24A2646-04**  
 Sample Matrix: Indoor air  
 Sampled: 1/26/2024 11:54

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 2130  
 Canister Size: 6 liter  
 Flow Controller ID: 4206  
 Sample Type: 30 min

**Work Order: 24A2646**  
 Initial Vacuum(in Hg): -28.5  
 Final Vacuum(in Hg): 0  
 Receipt Vacuum(in Hg): -1.5  
 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		
Acetone	7.6	0.80		18	1.9	0.4	1/29/24	20:45	TPH
Acrylonitrile	ND	0.12		ND	0.25	0.4	1/29/24	20:45	TPH
Benzene	0.18	0.020		0.58	0.064	0.4	1/29/24	20:45	TPH
Bromodichloromethane	ND	0.010		ND	0.067	0.4	1/29/24	20:45	TPH
Bromoform	ND	0.020		ND	0.21	0.4	1/29/24	20:45	TPH
2-Butanone (MEK)	ND	0.80		ND	2.4	0.4	1/29/24	20:45	TPH
n-Butylbenzene	ND	0.058		ND	0.32	0.4	1/29/24	20:45	TPH
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	1/29/24	20:45	TPH
Carbon Tetrachloride	0.079	0.010		0.50	0.063	0.4	1/29/24	20:45	TPH
Chlorobenzene	ND	0.020		ND	0.092	0.4	1/29/24	20:45	TPH
Chloroethane	ND	0.020		ND	0.053	0.4	1/29/24	20:45	TPH
Chloroform	0.036	0.010		0.18	0.049	0.4	1/29/24	20:45	TPH
Chloromethane	0.77	0.040		1.6	0.083	0.4	1/29/24	20:45	TPH
Dibromochloromethane	ND	0.010		ND	0.085	0.4	1/29/24	20:45	TPH
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	1/29/24	20:45	TPH
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/29/24	20:45	TPH
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	1/29/24	20:45	TPH
1,4-Dichlorobenzene	0.034	0.020		0.21	0.12	0.4	1/29/24	20:45	TPH
Dichlorodifluoromethane (Freon 12)	0.30	0.020		1.5	0.099	0.4	1/29/24	20:45	TPH
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	1/29/24	20:45	TPH
1,2-Dichloroethane	0.031	0.010		0.13	0.040	0.4	1/29/24	20:45	TPH
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/29/24	20:45	TPH
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/29/24	20:45	TPH
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	1/29/24	20:45	TPH
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	1/29/24	20:45	TPH
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	1/29/24	20:45	TPH
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/29/24	20:45	TPH
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	1/29/24	20:45	TPH
Ethylbenzene	0.040	0.020		0.18	0.087	0.4	1/29/24	20:45	TPH
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	1/29/24	20:45	TPH
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	1/29/24	20:45	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	1/29/24	20:45	TPH
Methylene Chloride	ND	0.20		ND	0.69	0.4	1/29/24	20:45	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.020		ND	0.082	0.4	1/29/24	20:45	TPH
Styrene	0.023	0.020		0.099	0.085	0.4	1/29/24	20:45	TPH
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	1/29/24	20:45	TPH
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	1/29/24	20:45	TPH

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**ANALYTICAL RESULTS**

 Project Location: Providence, RI  
 Date Received: 1/26/2024  
**Field Sample #: Room 116**  
**Sample ID: 24A2646-04**  
 Sample Matrix: Indoor air  
 Sampled: 1/26/2024 11:54

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 2130  
 Canister Size: 6 liter  
 Flow Controller ID: 4206  
 Sample Type: 30 min

**Work Order: 24A2646**  
 Initial Vacuum(in Hg): -28.5  
 Final Vacuum(in Hg): 0  
 Receipt Vacuum(in Hg): -1.5  
 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		
Tetrachloroethylene	ND	0.020		ND	0.14	0.4	1/29/24 20:45	TPH	
Toluene	0.23	0.020		0.88	0.075	0.4	1/29/24 20:45	TPH	
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	1/29/24 20:45	TPH	
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	1/29/24 20:45	TPH	
Trichloroethylene	0.010	0.010		0.054	0.054	0.4	1/29/24 20:45	TPH	
Trichlorofluoromethane (Freon 11)	0.38	0.080		2.1	0.45	0.4	1/29/24 20:45	TPH	
1,2,4-Trimethylbenzene	0.036	0.020		0.18	0.098	0.4	1/29/24 20:45	TPH	
1,3,5-Trimethylbenzene	ND	0.020		ND	0.098	0.4	1/29/24 20:45	TPH	
Vinyl Chloride	ND	0.020		ND	0.051	0.4	1/29/24 20:45	TPH	
m&p-Xylene	0.12	0.040		0.51	0.17	0.4	1/29/24 20:45	TPH	
o-Xylene	0.046	0.020		0.20	0.087	0.4	1/29/24 20:45	TPH	

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	105	70-130	1/29/24 20:45
4-Bromofluorobenzene (2)	103	70-130	1/29/24 20:45

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**Sample Extraction Data**
**Prep Method:TO-15 Prep**
**Analytical Method:EPA TO-15**

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
24A2646-01 [Kitchen Storage Room]	B364693	1	1	N/A	1000	400	1000	01/29/24
24A2646-02 [Room 145]	B364693	1	1	N/A	1000	400	1000	01/29/24
24A2646-03 [Room 152]	B364693	1	1	N/A	1000	400	1000	01/29/24
24A2646-04 [Room 116]	B364693	1	1	N/A	1000	400	1000	01/29/24



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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	%REC	Limits	RPD	Limit	

## Batch B364693 - TO-15 Prep

## Blank (B364693-BLK1)

Prepared &amp; Analyzed: 01/29/24

Acetone	ND	0.80
Acrylonitrile	ND	0.12
Benzene	ND	0.020
Bromodichloromethane	ND	0.010
Bromoform	ND	0.020
2-Butanone (MEK)	ND	0.80
n-Butylbenzene	ND	0.058
sec-Butylbenzene	ND	0.046
Carbon Tetrachloride	ND	0.010
Chlorobenzene	ND	0.020
Chloroethane	ND	0.020
Chloroform	ND	0.010
Chloromethane	ND	0.040
Dibromochloromethane	ND	0.010
1,2-Dibromoethane (EDB)	ND	0.010
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	0.010
1,2-Dichloroethane	ND	0.010
1,1-Dichloroethylene	ND	0.010
cis-1,2-Dichloroethylene	ND	0.010
trans-1,2-Dichloroethylene	ND	0.010
1,2-Dichloropropane	ND	0.010
1,3-Dichloropropane	ND	0.054
cis-1,3-Dichloropropene	ND	0.010
trans-1,3-Dichloropropene	ND	0.010
Ethylbenzene	ND	0.020
Isopropylbenzene (Cumene)	ND	0.051
p-Isopropyltoluene (p-Cymene)	ND	0.046
Methyl tert-Butyl Ether (MTBE)	ND	0.020
Methylene Chloride	ND	0.20
4-Methyl-2-pentanone (MIBK)	ND	0.020
Styrene	ND	0.020
1,1,1,2-Tetrachloroethane	ND	0.036
1,1,2,2-Tetrachloroethane	ND	0.010
Tetrachloroethylene	ND	0.020
Toluene	ND	0.020
1,1,1-Trichloroethane	ND	0.010
1,1,2-Trichloroethane	ND	0.010
Trichloroethylene	ND	0.010
Trichlorofluoromethane (Freon 11)	ND	0.080
1,2,4-Trimethylbenzene	ND	0.020
1,3,5-Trimethylbenzene	ND	0.020
Vinyl Chloride	ND	0.020

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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	RPD		
<b>Batch B364693 - TO-15 Prep</b>										
<b>Blank (B364693-BLK1)</b>					Prepared & Analyzed: 01/29/24					
m&p-Xylene	ND	0.040								
o-Xylene	ND	0.020								
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	7.96				8.00		99.5	70-130		
<i>Surrogate: 4-Bromofluorobenzene (2)</i>	8.19				8.00		102	70-130		
<b>LCS (B364693-BS1)</b>					Prepared & Analyzed: 01/29/24					
Acetone	4.40				5.00		88.0	70-130		
Acrylonitrile	3.82				2.88		133 *	70-130		L-01
Benzene	4.78				5.00		95.6	70-130		
Bromodichloromethane	4.80				5.00		96.0	70-130		
Bromoform	6.54				5.00		131 *	70-130		L-01
2-Butanone (MEK)	5.21				5.00		104	70-130		
n-Butylbenzene	1.60				1.14		140 *	70-130		L-01
sec-Butylbenzene	1.61				1.14		141 *	70-130		L-01
Carbon Tetrachloride	5.28				5.00		106	70-130		
Chlorobenzene	5.13				5.00		103	70-130		
Chloroethane	5.82				5.00		116	70-130		
Chloroform	5.82				5.00		116	70-130		
Chloromethane	4.79				5.00		95.8	70-130		
Dibromochloromethane	5.83				5.00		117	70-130		
1,2-Dibromoethane (EDB)	5.11				5.00		102	70-130		
1,2-Dichlorobenzene	6.07				5.00		121	70-130		
1,3-Dichlorobenzene	6.14				5.00		123	70-130		
1,4-Dichlorobenzene	6.12				5.00		122	70-130		
Dichlorodifluoromethane (Freon 12)	6.37				5.00		127	70-130		
1,1-Dichloroethane	5.79				5.00		116	70-130		
1,2-Dichloroethane	5.65				5.00		113	70-130		
1,1-Dichloroethylene	5.74				5.00		115	70-130		
cis-1,2-Dichloroethylene	5.67				5.00		113	70-130		
trans-1,2-Dichloroethylene	5.66				5.00		113	70-130		
1,2-Dichloropropane	4.65				5.00		93.0	70-130		
1,3-Dichloropropane	1.76				1.35		130	70-130		L-01
cis-1,3-Dichloropropene	4.66				5.00		93.2	70-130		
trans-1,3-Dichloropropene	5.28				5.00		106	70-130		
Ethylbenzene	4.89				5.00		97.8	70-130		
Isopropylbenzene (Cumene)	1.56				1.27		123	70-130		
p-Isopropyltoluene (p-Cymene)	1.53				1.14		134 *	70-130		L-01
Methyl tert-Butyl Ether (MTBE)	5.63				5.00		113	70-130		
Methylene Chloride	4.35				5.00		87.0	70-130		
4-Methyl-2-pentanone (MIBK)	4.18				5.00		83.6	70-130		
Styrene	5.21				5.00		104	70-130		
1,1,1,2-Tetrachloroethane	1.55				0.910		170 *	70-130		L-01
1,1,1,2,2-Tetrachloroethane	5.24				5.00		105	70-130		
Tetrachloroethylene	4.94				5.00		98.8	70-130		
Toluene	4.98				5.00		99.6	70-130		
1,1,1-Trichloroethane	4.57				5.00		91.4	70-130		
1,1,2-Trichloroethane	4.90				5.00		98.0	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 B364693 - TO-15 Prep**
**LCS (B364693-BS1)**

Prepared &amp; Analyzed: 01/29/24

Trichloroethylene	4.86				5.00		97.2	70-130			
Trichlorofluoromethane (Freon 11)	5.15				5.00		103	70-130			
1,2,4-Trimethylbenzene	5.44				5.00		109	70-130			
1,3,5-Trimethylbenzene	5.36				5.00		107	70-130			
Vinyl Chloride	5.75				5.00		115	70-130			
m&p-Xylene	10.4				10.0		104	70-130			
o-Xylene	5.05				5.00		101	70-130			
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	<i>8.07</i>				<i>8.00</i>		<i>101</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene (2)</i>	<i>7.78</i>				<i>8.00</i>		<i>97.2</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.
L-01	Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

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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
<b>LCS (B364693-BS1 )</b>									
Lab File ID: G24A029004.D					Analyzed: 01/29/24 12:05				
Bromochloromethane (1)	917510	8.03	921559	8.03	100	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2375380	9.798	2343931	9.798	101	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2219050	14.157	2191519	14.157	101	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (2)	2381013	9.798	2251283	9.798	106	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	700937	14.157	654601	14.157	107	60 - 140	0.0000	+/-0.50	
<b>Blank (B364693-BLK1 )</b>									
Lab File ID: G24A029011.D					Analyzed: 01/29/24 17:04				
Bromochloromethane (1)	881966	8.03	921559	8.03	96	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2444037	9.798	2343931	9.798	104	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2281993	14.151	2191519	14.157	104	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (2)	2440268	9.798	2251283	9.798	108	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	674089	14.151	654601	14.157	103	60 - 140	-0.0060	+/-0.50	
<b>Kitchen Storage Room (24A2646-01 )</b>									
Lab File ID: G24A029012.D					Analyzed: 01/29/24 17:55				
Bromochloromethane (1)	875750	8.03	921559	8.03	95	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2293007	9.798	2343931	9.798	98	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2085200	14.151	2191519	14.157	95	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (2)	2291121	9.798	2251283	9.798	102	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	626004	14.151	654601	14.157	96	60 - 140	-0.0060	+/-0.50	
<b>Room 145 (24A2646-02 )</b>									
Lab File ID: G24A029013.D					Analyzed: 01/29/24 18:52				
Bromochloromethane (1)	857158	8.03	921559	8.03	93	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2285835	9.798	2343931	9.798	98	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2104685	14.151	2191519	14.157	96	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (2)	2282321	9.798	2251283	9.798	101	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	637672	14.151	654601	14.157	97	60 - 140	-0.0060	+/-0.50	
<b>Room 152 (24A2646-03 )</b>									
Lab File ID: G24A029014.D					Analyzed: 01/29/24 19:51				
Bromochloromethane (1)	872198	8.024	921559	8.03	95	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (1)	2227192	9.792	2343931	9.798	95	60 - 140	-0.0060	+/-0.50	
Chlorobenzene-d5 (1)	2033020	14.151	2191519	14.157	93	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (2)	2226263	9.792	2251283	9.798	99	60 - 140	-0.0060	+/-0.50	
Chlorobenzene-d5 (2)	628761	14.151	654601	14.157	96	60 - 140	-0.0060	+/-0.50	
<b>Room 116 (24A2646-04 )</b>									
Lab File ID: G24A029015.D					Analyzed: 01/29/24 20:45				
Bromochloromethane (1)	625140	8.03	921559	8.03	68	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	2315326	9.798	2343931	9.798	99	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	2063964	14.15	2191519	14.157	94	60 - 140	-0.0070	+/-0.50	
1,4-Difluorobenzene (2)	2313445	9.798	2251283	9.798	103	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	640541	14.15	654601	14.157	98	60 - 140	-0.0070	+/-0.50	

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CONTINUING CALIBRATION CHECK

COMPOUND	TYPE			RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)

# 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	NY,ME,NH
Acrylonitrile	NJ,NY,ME,NH
Benzene	FL,NJ,NY,ME,NH,VA
Bromodichloromethane	NJ,NY,ME,NH,VA
Bromoform	NJ,NY,ME,NH,VA
2-Butanone (MEK)	FL,NJ,NY,ME,NH,VA
Carbon Tetrachloride	FL,NJ,NY,ME,NH,VA
Chlorobenzene	FL,NJ,NY,ME,NH,VA
Chloroethane	FL,NJ,NY,ME,NH,VA
Chloroform	FL,NJ,NY,ME,NH,VA
Chloromethane	FL,NJ,NY,ME,NH,VA
Dibromochloromethane	NY,ME,NH
1,2-Dibromoethane (EDB)	NJ,NY,ME,NH
1,2-Dichlorobenzene	FL,NJ,NY,ME,NH,VA
1,3-Dichlorobenzene	NJ,NY,ME,NH
1,4-Dichlorobenzene	FL,NJ,NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	NY,ME,NH
1,1-Dichloroethane	FL,NJ,NY,ME,NH,VA
1,2-Dichloroethane	FL,NJ,NY,ME,NH,VA
1,1-Dichloroethylene	FL,NJ,NY,ME,NH,VA
cis-1,2-Dichloroethylene	FL,NY,ME,NH,VA
trans-1,2-Dichloroethylene	NJ,NY,ME,NH,VA
1,2-Dichloropropane	FL,NJ,NY,ME,NH,VA
cis-1,3-Dichloropropene	FL,NJ,NY,ME,NH,VA
trans-1,3-Dichloropropene	NY,ME,NH
Ethylbenzene	FL,NJ,NY,ME,NH,VA
Isopropylbenzene (Cumene)	NJ,NY,ME,NH
Methyl tert-Butyl Ether (MTBE)	FL,NJ,NY,ME,NH,VA
Methylene Chloride	FL,NJ,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	FL,NJ,NY,ME,NH
Styrene	FL,NJ,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	FL,NJ,NY,ME,NH,VA
Tetrachloroethylene	FL,NJ,NY,ME,NH,VA
Toluene	FL,NJ,NY,ME,NH,VA
1,1,1-Trichloroethane	FL,NJ,NY,ME,NH,VA
1,1,2-Trichloroethane	FL,NJ,NY,ME,NH,VA
Trichloroethylene	FL,NJ,NY,ME,NH,VA
Trichlorofluoromethane (Freon 11)	NY,ME,NH
1,2,4-Trimethylbenzene	NJ,NY,ME,NH
1,3,5-Trimethylbenzene	NJ,NY,ME,NH
Vinyl Chloride	FL,NJ,NY,ME,NH,VA
m&p-Xylene	FL,NJ,NY,ME,NH,VA
o-Xylene	FL,NJ,NY,ME,NH,VA

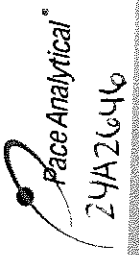
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Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
NJ	New Jersey DEP	MA007 NELAP	06/30/2024
FL	Florida Department of Health	E871027 NELAP	06/30/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024





Phone: 413-525-2332  
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CHAIN OF CUSTODY RECORD (AIR)

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Page 1 of 1

DOC #378 REV3\_11232021

**ANALYSIS REQUESTED**

Requested Turnaround Time:  7-Day  10-Day

Due Date:  1-Day  3-Day  4-Day

Format: PDF  EXCEL

Other: Please report in  $\mu\text{g}/\text{m}^3$

CLP Like Data Pkg Required:

Email To: Alvarez@ceest.com

Fax To: T.Chudley@ceest.com

Company Name: FA Engineering

Address: 301 Metro Center Blvd, Ste 102, Warwick, RI 02886

Phone: 401-352-5745

Project Name: Alvarez High School

Project Location: Providence, RI

Project Number: 150606.11

Project Manager: Jonathan Alvarez

Pace Quote Name/Number:

Invoice Recipient: Melanie Pina

Sampled By: Travis Chudley

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	" Hg		Summa Can ID	Flow Controller ID
		Beginning Date/Time	Ending Date/Time					Initial Pressure	Final Pressure		
Pace Work Order# 01	Kitchen Storage room	11:19	11:44	36		IA	6	285.0	285.0	1130	4212
02	Room 145	11:09	11:39	30		IA	6	291.3	291.3	1816	4075
03	Room 152	11:15	11:46	31		IA	6	275.4	275.4	1970	4315
04	Room 116	11:24	11:54	30		IA	6	285.0	285.0	2130	4206

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   
 MCP Certification Form Required   
 CT RCP Required   
 RCP Certification Form Required   
 Other

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

RELINQUISHED BY: (signature) Travis Chudley (T.Chudley) Date/Time: 1-26-24, 13:00

RECEIVED BY: (signature) J. Goodally Date/Time: 1/26/24 13:55

RELINQUISHED BY: (signature) J. Goodally Date/Time: 1/26/24 14:20

RECEIVED BY: (signature) J. Goodally Date/Time: 1/26/24 17:20


RELINQUISHED BY: (signature) Date/Time:

RECEIVED BY: (signature) Date/Time:

Comments: Please report in  $\mu\text{g}/\text{m}^3$

Logo: Pace Analytical

Accredited: NELAP and AIHA-LAP, LLC

	DC#_Title: ENV-FRM-ELON-0009 v04_Air Sample Receiving Checklist
	Effective Date: 07/13/2023

### Log In Back-Sheet

Client EA Engineering  
 Project Alvarez High School  
 MCP/RCP Required \_\_\_\_\_  
 Deliverable Package Requirement \_\_\_\_\_  
 Location Providence, RI  
 PWSID# (When Applicable) \_\_\_\_\_  
 Arrival Method Courier  
 Received By / Date / Time S 1/26/24 1720  
 Back-Sheet By / Date / Time KMC 1/29/24 1000  
 Temperature Method \_\_\_\_\_ # \_\_\_\_\_  
 Temp  $\leq 6^{\circ}\text{C}$  Actual Temperature \_\_\_\_\_  
 Rush Samples:  Yes / No 3day Notify TPM  
 Short Hold: Yes  No \_\_\_\_\_ Notify \_\_\_\_\_

Log In Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy)  
 Any False statement will be brought to the attention of the Client – True or False

	True	False
Received on Ice	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Received in Cooler	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Custody Seal: DATE TIME	<input type="checkbox"/>	<input checked="" type="checkbox"/>
COC Relinquished	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COC/Samples Labels Agree	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Samples in Good Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Samples Received within Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there enough Volume	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Proper Media/Container Used	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Individually Certified Cans	<input checked="" type="checkbox"/> (4)	<input type="checkbox"/>
Trip Blanks	<input type="checkbox"/>	<input checked="" type="checkbox"/>
COC Legible	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COC Included: (Check all included)		
Client	<input checked="" type="checkbox"/>	Analysis <input type="checkbox"/>
Project	<input checked="" type="checkbox"/>	IDs <input checked="" type="checkbox"/>
Sampler Name	<input checked="" type="checkbox"/>	Collection Date/Time <input checked="" type="checkbox"/>

**Notes regarding Samples/COC outside of SOP:**  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Container	#	Size	Regulator	Duration	Accessories			
Summa Cans	4	6L	4	30min	Nut/Ferrule		IC Train	4
Tedlar Bags					Tubing			
TO-17 Tubes					T-Connector		Shipping Charges	
Radiello					Syringe			
Pufs/ TO-11					Tedlar			

Can #'s					Regs #'s				
1	5	10	15		1	5	10	15	
1	1130	6	11	16	1	4212	6	11	16
2	1816	7	12	17	2	4075	7	12	17
3	1970	8	13	18	3	4315	8	13	18
4	2130	9	14	19	4	4206	9	14	19
Unused Media					Pufs/TO-17's				
1	5	10	15		1	5	10	15	
1		5	10	15	1		6	11	16
2		6	11	16	2		7	12	17
3		7	12	17	3		8	13	18
4		8	13	18	4		9	14	19

February 15, 2024

Johnathan Alvarez  
EA Engineering Science & Tech. - RI  
301 Metro Center Blvd, Suite 102  
Warwick, RI 02886

Project Location: Providence, RI  
Client Job Number:  
Project Number: 1506611  
Laboratory Work Order Number: 24B1329

Enclosed are results of analyses for samples as received by the laboratory on February 12, 2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kaitlyn A. Feliciano  
Project Manager

## Table of Contents

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 EA Engineering Science & Tech. - RI  
 301 Metro Center Blvd, Suite 102  
 Warwick, RI 02886  
 ATTN: Johnathan Alvarez

REPORT DATE: 2/15/2024

PURCHASE ORDER NUMBER: 18155

PROJECT NUMBER: 1506611

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 24B1329

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

PROJECT LOCATION: Providence, RI

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Kitchen Storage	24B1329-01	Indoor air		- EPA TO-15	
Room 145	24B1329-02	Indoor air		- EPA TO-15	
Room 152	24B1329-03	Indoor air		- EPA TO-15	
Room 116	24B1329-04	Indoor air		- 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:**

---

**L-01**

Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

**Analyte & Samples(s) Qualified:****1,1,1,2-Tetrachloroethane**B365992-BS1

---

**L-05**

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.

**Analyte & Samples(s) Qualified:****Dichlorodifluoromethane (Freon 12)**24B1329-01[Kitchen Storage], 24B1329-02[Room 145], 24B1329-03[Room 152], 24B1329-04[Room 116], B365992-BS1

---

**V-06**

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

**Analyte & Samples(s) Qualified:****Dichlorodifluoromethane (Freon 12)**24B1329-01[Kitchen Storage], 24B1329-02[Room 145], 24B1329-03[Room 152], 24B1329-04[Room 116], B365992-BS1, S100462-CCV1

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**V-35**

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

**Analyte & Samples(s) Qualified:****Dichlorodifluoromethane (Freon 12)**24B1329-01[Kitchen Storage], 24B1329-02[Room 145], 24B1329-03[Room 152], 24B1329-04[Room 116], B365992-BS1, S100462-CCV1

---

**V-36**

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

**Analyte & Samples(s) Qualified:****1,1,1,2-Tetrachloroethane**

B365992-BS1, S100462-CCV1

**EPA TO-15**

Initial and continuing calibrations met all required performance standards for RCP compounds that are Title III Clean Air Act Amendment compounds listed in table 1 of the TO-15 method unless otherwise specified in this narrative.

Laboratory control sample recoveries and sample replicate RPDs were all within limits specified by the method for RCP compounds that are Title III Clean Air Act Amendment compounds listed in table 1 of the TO-15 method unless otherwise specified in this narrative. Recovery limits of 50-150% are used for propene, acetone, ethanol, isopropanol, ethyl acetate, tetrahydrofuran, cyclohexane, heptane, 2-hexanone, 4-ethyltoluene, n-butylbenzene, sec-butylbenzene, 4-isopropyltoluene, and 1,1,1,2-tetrachloroethane.

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

**ANALYTICAL RESULTS**

 Project Location: Providence, RI  
 Date Received: 2/12/2024  
**Field Sample #: Kitchen Storage**  
**Sample ID: 24B1329-01**  
 Sample Matrix: Indoor air  
 Sampled: 2/8/2024 13:08

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 2917  
 Canister Size: 6 liter  
 Flow Controller ID: 4380  
 Sample Type: 30 min

**Work Order: 24B1329**  
 Initial Vacuum(in Hg): -30  
 Final Vacuum(in Hg): -5  
 Receipt Vacuum(in Hg): -3.9  
 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	7.9	1.6		19	3.8	0.8	2/14/24	17:16	CMR
Acrylonitrile	ND	0.23		ND	0.50	0.8	2/14/24	17:16	CMR
Benzene	0.24	0.040		0.77	0.13	0.8	2/14/24	17:16	CMR
Bromodichloromethane	ND	0.020		ND	0.13	0.8	2/14/24	17:16	CMR
Bromoform	ND	0.040		ND	0.41	0.8	2/14/24	17:16	CMR
2-Butanone (MEK)	ND	1.6		ND	4.7	0.8	2/14/24	17:16	CMR
n-Butylbenzene	ND	0.12		ND	0.63	0.8	2/14/24	17:16	CMR
sec-Butylbenzene	ND	0.091		ND	0.50	0.8	2/14/24	17:16	CMR
Carbon Tetrachloride	0.081	0.020		0.51	0.13	0.8	2/14/24	17:16	CMR
Chlorobenzene	ND	0.040		ND	0.18	0.8	2/14/24	17:16	CMR
Chloroethane	ND	0.040		ND	0.11	0.8	2/14/24	17:16	CMR
Chloroform	0.16	0.020		0.78	0.098	0.8	2/14/24	17:16	CMR
Chloromethane	0.58	0.080		1.2	0.17	0.8	2/14/24	17:16	CMR
Dibromochloromethane	ND	0.020		ND	0.17	0.8	2/14/24	17:16	CMR
1,2-Dibromoethane (EDB)	ND	0.020		ND	0.15	0.8	2/14/24	17:16	CMR
1,2-Dichlorobenzene	ND	0.040		ND	0.24	0.8	2/14/24	17:16	CMR
1,3-Dichlorobenzene	ND	0.040		ND	0.24	0.8	2/14/24	17:16	CMR
1,4-Dichlorobenzene	ND	0.040		ND	0.24	0.8	2/14/24	17:16	CMR
Dichlorodifluoromethane (Freon 12)	0.27	0.040	V-06, L-05, V-35	1.3	0.20	0.8	2/14/24	17:16	CMR
1,1-Dichloroethane	ND	0.020		ND	0.081	0.8	2/14/24	17:16	CMR
1,2-Dichloroethane	0.022	0.020		0.087	0.081	0.8	2/14/24	17:16	CMR
1,1-Dichloroethylene	ND	0.020		ND	0.079	0.8	2/14/24	17:16	CMR
cis-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.8	2/14/24	17:16	CMR
trans-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.8	2/14/24	17:16	CMR
1,2-Dichloropropane	ND	0.020		ND	0.092	0.8	2/14/24	17:16	CMR
1,3-Dichloropropane	ND	0.11		ND	0.50	0.8	2/14/24	17:16	CMR
cis-1,3-Dichloropropene	ND	0.020		ND	0.091	0.8	2/14/24	17:16	CMR
trans-1,3-Dichloropropene	ND	0.020		ND	0.091	0.8	2/14/24	17:16	CMR
Ethylbenzene	0.056	0.040		0.24	0.17	0.8	2/14/24	17:16	CMR
Isopropylbenzene (Cumene)	ND	0.10		ND	0.50	0.8	2/14/24	17:16	CMR
p-Isopropyltoluene (p-Cymene)	ND	0.091		ND	0.50	0.8	2/14/24	17:16	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.040		ND	0.14	0.8	2/14/24	17:16	CMR
Methylene Chloride	ND	0.40		ND	1.4	0.8	2/14/24	17:16	CMR
4-Methyl-2-pentanone (MIBK)	ND	0.040		ND	0.16	0.8	2/14/24	17:16	CMR
Styrene	0.054	0.040		0.23	0.17	0.8	2/14/24	17:16	CMR
1,1,1,2-Tetrachloroethane	ND	0.073		ND	0.50	0.8	2/14/24	17:16	CMR
1,1,2,2-Tetrachloroethane	ND	0.020		ND	0.14	0.8	2/14/24	17:16	CMR



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**ANALYTICAL RESULTS**

 Project Location: Providence, RI  
 Date Received: 2/12/2024  
**Field Sample #: Kitchen Storage**  
**Sample ID: 24B1329-01**  
 Sample Matrix: Indoor air  
 Sampled: 2/8/2024 13:08

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 2917  
 Canister Size: 6 liter  
 Flow Controller ID: 4380  
 Sample Type: 30 min

**Work Order: 24B1329**  
 Initial Vacuum(in Hg): -30  
 Final Vacuum(in Hg): -5  
 Receipt Vacuum(in Hg): -3.9  
 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		
Tetrachloroethylene	ND	0.040		ND	0.27	0.8	2/14/24 17:16		CMR
Toluene	0.37	0.040		1.4	0.15	0.8	2/14/24 17:16		CMR
1,1,1-Trichloroethane	ND	0.020		ND	0.11	0.8	2/14/24 17:16		CMR
1,1,2-Trichloroethane	ND	0.020		ND	0.11	0.8	2/14/24 17:16		CMR
Trichloroethylene	ND	0.020		ND	0.11	0.8	2/14/24 17:16		CMR
Trichlorofluoromethane (Freon 11)	0.23	0.16		1.3	0.90	0.8	2/14/24 17:16		CMR
1,2,4-Trimethylbenzene	ND	0.040		ND	0.20	0.8	2/14/24 17:16		CMR
1,3,5-Trimethylbenzene	ND	0.040		ND	0.20	0.8	2/14/24 17:16		CMR
Vinyl Chloride	ND	0.040		ND	0.10	0.8	2/14/24 17:16		CMR
m&p-Xylene	0.16	0.080		0.68	0.35	0.8	2/14/24 17:16		CMR
o-Xylene	0.060	0.040		0.26	0.17	0.8	2/14/24 17:16		CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	97.6	70-130	2/14/24 17:16
4-Bromofluorobenzene (2)	120	70-130	2/14/24 17:16

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**ANALYTICAL RESULTS**

 Project Location: Providence, RI  
 Date Received: 2/12/2024  
**Field Sample #: Room 145**  
**Sample ID: 24B1329-02**  
 Sample Matrix: Indoor air  
 Sampled: 2/8/2024 12:57

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 2470  
 Canister Size: 6 liter  
 Flow Controller ID: 4378  
 Sample Type: 30 min

**Work Order: 24B1329**  
 Initial Vacuum(in Hg): -29.5  
 Final Vacuum(in Hg): -4  
 Receipt Vacuum(in Hg): -5.1  
 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	3.2	1.6		7.7	3.8	0.8	2/14/24 18:05	CMR	
Acrylonitrile	ND	0.23		ND	0.50	0.8	2/14/24 18:05	CMR	
Benzene	0.20	0.040		0.62	0.13	0.8	2/14/24 18:05	CMR	
Bromodichloromethane	ND	0.020		ND	0.13	0.8	2/14/24 18:05	CMR	
Bromoform	ND	0.040		ND	0.41	0.8	2/14/24 18:05	CMR	
2-Butanone (MEK)	ND	1.6		ND	4.7	0.8	2/14/24 18:05	CMR	
n-Butylbenzene	ND	0.12		ND	0.63	0.8	2/14/24 18:05	CMR	
sec-Butylbenzene	ND	0.091		ND	0.50	0.8	2/14/24 18:05	CMR	
Carbon Tetrachloride	0.074	0.020		0.46	0.13	0.8	2/14/24 18:05	CMR	
Chlorobenzene	ND	0.040		ND	0.18	0.8	2/14/24 18:05	CMR	
Chloroethane	ND	0.040		ND	0.11	0.8	2/14/24 18:05	CMR	
Chloroform	ND	0.020		ND	0.098	0.8	2/14/24 18:05	CMR	
Chloromethane	0.57	0.080		1.2	0.17	0.8	2/14/24 18:05	CMR	
Dibromochloromethane	ND	0.020		ND	0.17	0.8	2/14/24 18:05	CMR	
1,2-Dibromoethane (EDB)	ND	0.020		ND	0.15	0.8	2/14/24 18:05	CMR	
1,2-Dichlorobenzene	ND	0.040		ND	0.24	0.8	2/14/24 18:05	CMR	
1,3-Dichlorobenzene	ND	0.040		ND	0.24	0.8	2/14/24 18:05	CMR	
1,4-Dichlorobenzene	ND	0.040		ND	0.24	0.8	2/14/24 18:05	CMR	
Dichlorodifluoromethane (Freon 12)	0.26	0.040	L-05, V-06, V-35	1.3	0.20	0.8	2/14/24 18:05	CMR	
1,1-Dichloroethane	ND	0.020		ND	0.081	0.8	2/14/24 18:05	CMR	
1,2-Dichloroethane	ND	0.020		ND	0.081	0.8	2/14/24 18:05	CMR	
1,1-Dichloroethylene	ND	0.020		ND	0.079	0.8	2/14/24 18:05	CMR	
cis-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.8	2/14/24 18:05	CMR	
trans-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.8	2/14/24 18:05	CMR	
1,2-Dichloropropane	ND	0.020		ND	0.092	0.8	2/14/24 18:05	CMR	
1,3-Dichloropropane	ND	0.11		ND	0.50	0.8	2/14/24 18:05	CMR	
cis-1,3-Dichloropropene	ND	0.020		ND	0.091	0.8	2/14/24 18:05	CMR	
trans-1,3-Dichloropropene	ND	0.020		ND	0.091	0.8	2/14/24 18:05	CMR	
Ethylbenzene	ND	0.040		ND	0.17	0.8	2/14/24 18:05	CMR	
Isopropylbenzene (Cumene)	ND	0.10		ND	0.50	0.8	2/14/24 18:05	CMR	
p-Isopropyltoluene (p-Cymene)	ND	0.091		ND	0.50	0.8	2/14/24 18:05	CMR	
Methyl tert-Butyl Ether (MTBE)	ND	0.040		ND	0.14	0.8	2/14/24 18:05	CMR	
Methylene Chloride	ND	0.40		ND	1.4	0.8	2/14/24 18:05	CMR	
4-Methyl-2-pentanone (MIBK)	ND	0.040		ND	0.16	0.8	2/14/24 18:05	CMR	
Styrene	ND	0.040		ND	0.17	0.8	2/14/24 18:05	CMR	
1,1,1,2-Tetrachloroethane	ND	0.073		ND	0.50	0.8	2/14/24 18:05	CMR	
1,1,2,2-Tetrachloroethane	ND	0.020		ND	0.14	0.8	2/14/24 18:05	CMR	

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**ANALYTICAL RESULTS**

 Project Location: Providence, RI  
 Date Received: 2/12/2024  
**Field Sample #: Room 145**  
**Sample ID: 24B1329-02**  
 Sample Matrix: Indoor air  
 Sampled: 2/8/2024 12:57

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 2470  
 Canister Size: 6 liter  
 Flow Controller ID: 4378  
 Sample Type: 30 min

**Work Order: 24B1329**  
 Initial Vacuum(in Hg): -29.5  
 Final Vacuum(in Hg): -4  
 Receipt Vacuum(in Hg): -5.1  
 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		
Tetrachloroethylene	ND	0.040		ND	0.27	0.8	2/14/24 18:05		CMR
Toluene	0.21	0.040		0.80	0.15	0.8	2/14/24 18:05		CMR
1,1,1-Trichloroethane	ND	0.020		ND	0.11	0.8	2/14/24 18:05		CMR
1,1,2-Trichloroethane	ND	0.020		ND	0.11	0.8	2/14/24 18:05		CMR
Trichloroethylene	ND	0.020		ND	0.11	0.8	2/14/24 18:05		CMR
Trichlorofluoromethane (Freon 11)	0.24	0.16		1.3	0.90	0.8	2/14/24 18:05		CMR
1,2,4-Trimethylbenzene	ND	0.040		ND	0.20	0.8	2/14/24 18:05		CMR
1,3,5-Trimethylbenzene	ND	0.040		ND	0.20	0.8	2/14/24 18:05		CMR
Vinyl Chloride	ND	0.040		ND	0.10	0.8	2/14/24 18:05		CMR
m&p-Xylene	0.093	0.080		0.40	0.35	0.8	2/14/24 18:05		CMR
o-Xylene	ND	0.040		ND	0.17	0.8	2/14/24 18:05		CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	98.0	70-130	2/14/24 18:05
4-Bromofluorobenzene (2)	120	70-130	2/14/24 18:05

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**ANALYTICAL RESULTS**

 Project Location: Providence, RI  
 Date Received: 2/12/2024  
**Field Sample #: Room 152**  
**Sample ID: 24B1329-03**  
 Sample Matrix: Indoor air  
 Sampled: 2/8/2024 13:12

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1346  
 Canister Size: 6 liter  
 Flow Controller ID: 4727  
 Sample Type: 30 min

**Work Order: 24B1329**  
 Initial Vacuum(in Hg): -29  
 Final Vacuum(in Hg): -2  
 Receipt Vacuum(in Hg): -1.5  
 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		
Acetone	3.6	1.2		8.5	2.9	0.6	2/14/24 18:55	CMR	
Acrylonitrile	ND	0.17		ND	0.37	0.6	2/14/24 18:55	CMR	
Benzene	0.26	0.030		0.84	0.096	0.6	2/14/24 18:55	CMR	
Bromodichloromethane	ND	0.015		ND	0.10	0.6	2/14/24 18:55	CMR	
Bromoform	ND	0.030		ND	0.31	0.6	2/14/24 18:55	CMR	
2-Butanone (MEK)	ND	1.2		ND	3.5	0.6	2/14/24 18:55	CMR	
n-Butylbenzene	ND	0.086		ND	0.47	0.6	2/14/24 18:55	CMR	
sec-Butylbenzene	ND	0.068		ND	0.38	0.6	2/14/24 18:55	CMR	
Carbon Tetrachloride	0.077	0.015		0.49	0.094	0.6	2/14/24 18:55	CMR	
Chlorobenzene	ND	0.030		ND	0.14	0.6	2/14/24 18:55	CMR	
Chloroethane	ND	0.030		ND	0.079	0.6	2/14/24 18:55	CMR	
Chloroform	0.022	0.015		0.11	0.073	0.6	2/14/24 18:55	CMR	
Chloromethane	0.59	0.060		1.2	0.12	0.6	2/14/24 18:55	CMR	
Dibromochloromethane	ND	0.015		ND	0.13	0.6	2/14/24 18:55	CMR	
1,2-Dibromoethane (EDB)	ND	0.015		ND	0.12	0.6	2/14/24 18:55	CMR	
1,2-Dichlorobenzene	ND	0.030		ND	0.18	0.6	2/14/24 18:55	CMR	
1,3-Dichlorobenzene	ND	0.030		ND	0.18	0.6	2/14/24 18:55	CMR	
1,4-Dichlorobenzene	ND	0.030		ND	0.18	0.6	2/14/24 18:55	CMR	
Dichlorodifluoromethane (Freon 12)	0.26	0.030	L-05, V-06, V-35	1.3	0.15	0.6	2/14/24 18:55	CMR	
1,1-Dichloroethane	ND	0.015		ND	0.061	0.6	2/14/24 18:55	CMR	
1,2-Dichloroethane	0.022	0.015		0.087	0.061	0.6	2/14/24 18:55	CMR	
1,1-Dichloroethylene	ND	0.015		ND	0.059	0.6	2/14/24 18:55	CMR	
cis-1,2-Dichloroethylene	ND	0.015		ND	0.059	0.6	2/14/24 18:55	CMR	
trans-1,2-Dichloroethylene	ND	0.015		ND	0.059	0.6	2/14/24 18:55	CMR	
1,2-Dichloropropane	ND	0.015		ND	0.069	0.6	2/14/24 18:55	CMR	
1,3-Dichloropropane	ND	0.081		ND	0.37	0.6	2/14/24 18:55	CMR	
cis-1,3-Dichloropropene	ND	0.015		ND	0.068	0.6	2/14/24 18:55	CMR	
trans-1,3-Dichloropropene	ND	0.015		ND	0.068	0.6	2/14/24 18:55	CMR	
Ethylbenzene	0.068	0.030		0.30	0.13	0.6	2/14/24 18:55	CMR	
Isopropylbenzene (Cumene)	ND	0.076		ND	0.37	0.6	2/14/24 18:55	CMR	
p-Isopropyltoluene (p-Cymene)	ND	0.068		ND	0.38	0.6	2/14/24 18:55	CMR	
Methyl tert-Butyl Ether (MTBE)	ND	0.030		ND	0.11	0.6	2/14/24 18:55	CMR	
Methylene Chloride	ND	0.30		ND	1.0	0.6	2/14/24 18:55	CMR	
4-Methyl-2-pentanone (MIBK)	ND	0.030		ND	0.12	0.6	2/14/24 18:55	CMR	
Styrene	ND	0.030		ND	0.13	0.6	2/14/24 18:55	CMR	
1,1,1,2-Tetrachloroethane	ND	0.055		ND	0.37	0.6	2/14/24 18:55	CMR	
1,1,2,2-Tetrachloroethane	ND	0.015		ND	0.10	0.6	2/14/24 18:55	CMR	

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**ANALYTICAL RESULTS**

 Project Location: Providence, RI  
 Date Received: 2/12/2024  
**Field Sample #: Room 152**  
**Sample ID: 24B1329-03**  
 Sample Matrix: Indoor air  
 Sampled: 2/8/2024 13:12

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1346  
 Canister Size: 6 liter  
 Flow Controller ID: 4727  
 Sample Type: 30 min

**Work Order: 24B1329**  
 Initial Vacuum(in Hg): -29  
 Final Vacuum(in Hg): -2  
 Receipt Vacuum(in Hg): -1.5  
 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		
Tetrachloroethylene	0.032	0.030		0.22	0.20	0.6	2/14/24	18:55	CMR
Toluene	0.36	0.030		1.4	0.11	0.6	2/14/24	18:55	CMR
1,1,1-Trichloroethane	ND	0.015		ND	0.082	0.6	2/14/24	18:55	CMR
1,1,2-Trichloroethane	ND	0.015		ND	0.082	0.6	2/14/24	18:55	CMR
Trichloroethylene	ND	0.015		ND	0.081	0.6	2/14/24	18:55	CMR
Trichlorofluoromethane (Freon 11)	0.24	0.12		1.4	0.67	0.6	2/14/24	18:55	CMR
1,2,4-Trimethylbenzene	0.039	0.030		0.19	0.15	0.6	2/14/24	18:55	CMR
1,3,5-Trimethylbenzene	ND	0.030		ND	0.15	0.6	2/14/24	18:55	CMR
Vinyl Chloride	ND	0.030		ND	0.077	0.6	2/14/24	18:55	CMR
m&p-Xylene	0.19	0.060		0.83	0.26	0.6	2/14/24	18:55	CMR
o-Xylene	0.068	0.030		0.30	0.13	0.6	2/14/24	18:55	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	100	70-130	2/14/24 18:55
4-Bromofluorobenzene (2)	128	70-130	2/14/24 18:55

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**ANALYTICAL RESULTS**

 Project Location: Providence, RI  
 Date Received: 2/12/2024  
**Field Sample #: Room 116**  
**Sample ID: 24B1329-04**  
 Sample Matrix: Indoor air  
 Sampled: 2/8/2024 13:04

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 2216  
 Canister Size: 6 liter  
 Flow Controller ID: 4690  
 Sample Type: 30 min

**Work Order: 24B1329**  
 Initial Vacuum(in Hg): -30  
 Final Vacuum(in Hg): -2  
 Receipt Vacuum(in Hg): -0.5  
 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		
Acetone	13	1.2		30	2.9	0.6	2/14/24 19:43	CMR	
Acrylonitrile	ND	0.17		ND	0.37	0.6	2/14/24 19:43	CMR	
Benzene	0.30	0.030		0.94	0.096	0.6	2/14/24 19:43	CMR	
Bromodichloromethane	ND	0.015		ND	0.10	0.6	2/14/24 19:43	CMR	
Bromoform	ND	0.030		ND	0.31	0.6	2/14/24 19:43	CMR	
2-Butanone (MEK)	ND	1.2		ND	3.5	0.6	2/14/24 19:43	CMR	
n-Butylbenzene	ND	0.086		ND	0.47	0.6	2/14/24 19:43	CMR	
sec-Butylbenzene	ND	0.068		ND	0.38	0.6	2/14/24 19:43	CMR	
Carbon Tetrachloride	0.080	0.015		0.51	0.094	0.6	2/14/24 19:43	CMR	
Chlorobenzene	ND	0.030		ND	0.14	0.6	2/14/24 19:43	CMR	
Chloroethane	ND	0.030		ND	0.079	0.6	2/14/24 19:43	CMR	
Chloroform	0.032	0.015		0.16	0.073	0.6	2/14/24 19:43	CMR	
Chloromethane	0.64	0.060		1.3	0.12	0.6	2/14/24 19:43	CMR	
Dibromochloromethane	ND	0.015		ND	0.13	0.6	2/14/24 19:43	CMR	
1,2-Dibromoethane (EDB)	ND	0.015		ND	0.12	0.6	2/14/24 19:43	CMR	
1,2-Dichlorobenzene	ND	0.030		ND	0.18	0.6	2/14/24 19:43	CMR	
1,3-Dichlorobenzene	ND	0.030		ND	0.18	0.6	2/14/24 19:43	CMR	
1,4-Dichlorobenzene	0.041	0.030		0.25	0.18	0.6	2/14/24 19:43	CMR	
Dichlorodifluoromethane (Freon 12)	0.24	0.030	L-05, V-06, V-35	1.2	0.15	0.6	2/14/24 19:43	CMR	
1,1-Dichloroethane	ND	0.015		ND	0.061	0.6	2/14/24 19:43	CMR	
1,2-Dichloroethane	0.023	0.015		0.092	0.061	0.6	2/14/24 19:43	CMR	
1,1-Dichloroethylene	ND	0.015		ND	0.059	0.6	2/14/24 19:43	CMR	
cis-1,2-Dichloroethylene	ND	0.015		ND	0.059	0.6	2/14/24 19:43	CMR	
trans-1,2-Dichloroethylene	ND	0.015		ND	0.059	0.6	2/14/24 19:43	CMR	
1,2-Dichloropropane	ND	0.015		ND	0.069	0.6	2/14/24 19:43	CMR	
1,3-Dichloropropane	ND	0.081		ND	0.37	0.6	2/14/24 19:43	CMR	
cis-1,3-Dichloropropene	ND	0.015		ND	0.068	0.6	2/14/24 19:43	CMR	
trans-1,3-Dichloropropene	ND	0.015		ND	0.068	0.6	2/14/24 19:43	CMR	
Ethylbenzene	0.082	0.030		0.35	0.13	0.6	2/14/24 19:43	CMR	
Isopropylbenzene (Cumene)	ND	0.076		ND	0.37	0.6	2/14/24 19:43	CMR	
p-Isopropyltoluene (p-Cymene)	ND	0.068		ND	0.38	0.6	2/14/24 19:43	CMR	
Methyl tert-Butyl Ether (MTBE)	ND	0.030		ND	0.11	0.6	2/14/24 19:43	CMR	
Methylene Chloride	ND	0.30		ND	1.0	0.6	2/14/24 19:43	CMR	
4-Methyl-2-pentanone (MIBK)	ND	0.030		ND	0.12	0.6	2/14/24 19:43	CMR	
Styrene	ND	0.030		ND	0.13	0.6	2/14/24 19:43	CMR	
1,1,1,2-Tetrachloroethane	ND	0.055		ND	0.37	0.6	2/14/24 19:43	CMR	
1,1,2,2-Tetrachloroethane	ND	0.015		ND	0.10	0.6	2/14/24 19:43	CMR	

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**ANALYTICAL RESULTS**

 Project Location: Providence, RI  
 Date Received: 2/12/2024  
**Field Sample #: Room 116**  
**Sample ID: 24B1329-04**  
 Sample Matrix: Indoor air  
 Sampled: 2/8/2024 13:04

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 2216  
 Canister Size: 6 liter  
 Flow Controller ID: 4690  
 Sample Type: 30 min

**Work Order: 24B1329**  
 Initial Vacuum(in Hg): -30  
 Final Vacuum(in Hg): -2  
 Receipt Vacuum(in Hg): -0.5  
 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		
Tetrachloroethylene	0.034	0.030		0.23	0.20	0.6	2/14/24	19:43	CMR
Toluene	0.72	0.030		2.7	0.11	0.6	2/14/24	19:43	CMR
1,1,1-Trichloroethane	ND	0.015		ND	0.082	0.6	2/14/24	19:43	CMR
1,1,2-Trichloroethane	ND	0.015		ND	0.082	0.6	2/14/24	19:43	CMR
Trichloroethylene	ND	0.015		ND	0.081	0.6	2/14/24	19:43	CMR
Trichlorofluoromethane (Freon 11)	0.23	0.12		1.3	0.67	0.6	2/14/24	19:43	CMR
1,2,4-Trimethylbenzene	0.060	0.030		0.29	0.15	0.6	2/14/24	19:43	CMR
1,3,5-Trimethylbenzene	ND	0.030		ND	0.15	0.6	2/14/24	19:43	CMR
Vinyl Chloride	ND	0.030		ND	0.077	0.6	2/14/24	19:43	CMR
m&p-Xylene	0.24	0.060		1.1	0.26	0.6	2/14/24	19:43	CMR
o-Xylene	0.089	0.030		0.39	0.13	0.6	2/14/24	19:43	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	99.7	70-130	2/14/24 19:43
4-Bromofluorobenzene (2)	124	70-130	2/14/24 19:43

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**Sample Extraction Data**

**Prep Method:TO-15 Prep    Analytical Method:EPA TO-15**

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
24B1329-01 [Kitchen Storage]	B365992	2	1	N/A	1000	400	1000	02/14/24
24B1329-02 [Room 145]	B365992	2	1	N/A	1000	400	1000	02/14/24
24B1329-03 [Room 152]	B365992	1.5	1	N/A	1000	400	1000	02/14/24
24B1329-04 [Room 116]	B365992	1.5	1	N/A	1000	400	1000	02/14/24



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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	%REC	Limits	RPD	Limit	

## Batch B365992 - TO-15 Prep

## Blank (B365992-BLK1)

Prepared &amp; Analyzed: 02/14/24

Acetone	ND	0.80
Acrylonitrile	ND	0.12
Benzene	ND	0.020
Bromodichloromethane	ND	0.010
Bromoform	ND	0.020
2-Butanone (MEK)	ND	0.80
n-Butylbenzene	ND	0.058
sec-Butylbenzene	ND	0.046
Carbon Tetrachloride	ND	0.010
Chlorobenzene	ND	0.020
Chloroethane	ND	0.020
Chloroform	ND	0.010
Chloromethane	ND	0.040
Dibromochloromethane	ND	0.010
1,2-Dibromoethane (EDB)	ND	0.010
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	0.010
1,2-Dichloroethane	ND	0.010
1,1-Dichloroethylene	ND	0.010
cis-1,2-Dichloroethylene	ND	0.010
trans-1,2-Dichloroethylene	ND	0.010
1,2-Dichloropropane	ND	0.010
1,3-Dichloropropane	ND	0.054
cis-1,3-Dichloropropene	ND	0.010
trans-1,3-Dichloropropene	ND	0.010
Ethylbenzene	ND	0.020
Isopropylbenzene (Cumene)	ND	0.051
p-Isopropyltoluene (p-Cymene)	ND	0.046
Methyl tert-Butyl Ether (MTBE)	ND	0.020
Methylene Chloride	ND	0.20
4-Methyl-2-pentanone (MIBK)	ND	0.020
Styrene	ND	0.020
1,1,1,2-Tetrachloroethane	ND	0.036
1,1,2,2-Tetrachloroethane	ND	0.010
Tetrachloroethylene	ND	0.020
Toluene	ND	0.020
1,1,1-Trichloroethane	ND	0.010
1,1,2-Trichloroethane	ND	0.010
Trichloroethylene	ND	0.010
Trichlorofluoromethane (Freon 11)	ND	0.080
1,2,4-Trimethylbenzene	ND	0.020
1,3,5-Trimethylbenzene	ND	0.020
Vinyl Chloride	ND	0.020

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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		
<b>Batch B365992 - TO-15 Prep</b>											
<b>Blank (B365992-BLK1)</b>						Prepared & Analyzed: 02/14/24					
m&p-Xylene	ND	0.040									
o-Xylene	ND	0.020									
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	7.78				8.00		97.3	70-130			
<i>Surrogate: 4-Bromofluorobenzene (2)</i>	10.0				8.00		125	70-130			
<b>LCS (B365992-BS1)</b>						Prepared & Analyzed: 02/14/24					
Acetone	4.76				5.00		95.1	70-130			
Acrylonitrile	2.62				2.88		91.0	70-130			
Benzene	4.96				5.00		99.1	70-130			
Bromodichloromethane	4.97				5.00		99.4	70-130			
Bromoform	5.98				5.00		120	70-130			
2-Butanone (MEK)	4.81				5.00		96.3	70-130			
n-Butylbenzene	1.39				1.14		122	70-130			
sec-Butylbenzene	1.43				1.14		125	70-130			
Carbon Tetrachloride	5.19				5.00		104	70-130			
Chlorobenzene	5.34				5.00		107	70-130			
Chloroethane	5.04				5.00		101	70-130			
Chloroform	5.84				5.00		117	70-130			
Chloromethane	4.96				5.00		99.3	70-130			
Dibromochloromethane	5.72				5.00		114	70-130			
1,2-Dibromoethane (EDB)	5.29				5.00		106	70-130			
1,2-Dichlorobenzene	6.13				5.00		123	70-130			
1,3-Dichlorobenzene	6.05				5.00		121	70-130			
1,4-Dichlorobenzene	6.12				5.00		122	70-130			
Dichlorodifluoromethane (Freon 12)	7.82				5.00		<b>156</b> *	70-130			L-05, V-06,
1,1-Dichloroethane	5.56				5.00		111	70-130			
1,2-Dichloroethane	5.57				5.00		111	70-130			
1,1-Dichloroethylene	5.78				5.00		116	70-130			
cis-1,2-Dichloroethylene	5.73				5.00		115	70-130			
trans-1,2-Dichloroethylene	5.68				5.00		114	70-130			
1,2-Dichloropropane	4.77				5.00		95.4	70-130			
1,3-Dichloropropane	1.74				1.35		129	70-130			
cis-1,3-Dichloropropene	4.84				5.00		96.9	70-130			
trans-1,3-Dichloropropene	5.55				5.00		111	70-130			
Ethylbenzene	5.26				5.00		105	70-130			
Isopropylbenzene (Cumene)	1.49				1.27		117	70-130			
p-Isopropyltoluene (p-Cymene)	1.42				1.14		125	70-130			
Methyl tert-Butyl Ether (MTBE)	5.65				5.00		113	70-130			
Methylene Chloride	4.44				5.00		88.7	70-130			
4-Methyl-2-pentanone (MIBK)	4.03				5.00		80.7	70-130			
Styrene	5.62				5.00		112	70-130			
1,1,1,2-Tetrachloroethane	1.22				0.910		<b>134</b> *	70-130			L-01, V-36
1,1,2,2-Tetrachloroethane	4.82				5.00		96.5	70-130			
Tetrachloroethylene	5.33				5.00		107	70-130			
Toluene	5.24				5.00		105	70-130			
1,1,1-Trichloroethane	5.05				5.00		101	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 B365992 - TO-15 Prep**
**LCS (B365992-BS1)**

Prepared &amp; Analyzed: 02/14/24

1,1,2-Trichloroethane	5.05				5.00		101	70-130			
Trichloroethylene	5.48				5.00		110	70-130			
Trichlorofluoromethane (Freon 11)	5.44				5.00		109	70-130			
1,2,4-Trimethylbenzene	5.62				5.00		112	70-130			
1,3,5-Trimethylbenzene	5.56				5.00		111	70-130			
Vinyl Chloride	5.36				5.00		107	70-130			
m&p-Xylene	10.7				10.0		107	70-130			
o-Xylene	5.31				5.00		106	70-130			
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	8.25				8.00		103	70-130			
<i>Surrogate: 4-Bromofluorobenzene (2)</i>	9.42				8.00		118	70-130			

**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.
L-01	Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
L-05	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.
V-35	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.
V-36	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

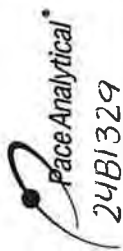
Analyte	Certifications
<i>EPA TO-15 in Air</i>	
Acetone	NY,ME,NH
Acrylonitrile	NJ,NY,ME,NH
Benzene	FL,NJ,NY,ME,NH,VA
Bromodichloromethane	NJ,NY,ME,NH,VA
Bromoform	NJ,NY,ME,NH,VA
2-Butanone (MEK)	FL,NJ,NY,ME,NH,VA
Carbon Tetrachloride	FL,NJ,NY,ME,NH,VA
Chlorobenzene	FL,NJ,NY,ME,NH,VA
Chloroethane	FL,NJ,NY,ME,NH,VA
Chloroform	FL,NJ,NY,ME,NH,VA
Chloromethane	FL,NJ,NY,ME,NH,VA
Dibromochloromethane	NY,ME,NH
1,2-Dibromoethane (EDB)	NJ,NY,ME,NH
1,2-Dichlorobenzene	FL,NJ,NY,ME,NH,VA
1,3-Dichlorobenzene	NJ,NY,ME,NH
1,4-Dichlorobenzene	FL,NJ,NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	NY,ME,NH
1,1-Dichloroethane	FL,NJ,NY,ME,NH,VA
1,2-Dichloroethane	FL,NJ,NY,ME,NH,VA
1,1-Dichloroethylene	FL,NJ,NY,ME,NH,VA
cis-1,2-Dichloroethylene	FL,NY,ME,NH,VA
trans-1,2-Dichloroethylene	NJ,NY,ME,NH,VA
1,2-Dichloropropane	FL,NJ,NY,ME,NH,VA
cis-1,3-Dichloropropene	FL,NJ,NY,ME,NH,VA
trans-1,3-Dichloropropene	NY,ME,NH
Ethylbenzene	FL,NJ,NY,ME,NH,VA
Isopropylbenzene (Cumene)	NJ,NY,ME,NH
Methyl tert-Butyl Ether (MTBE)	FL,NJ,NY,ME,NH,VA
Methylene Chloride	FL,NJ,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	FL,NJ,NY,ME,NH
Styrene	FL,NJ,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	FL,NJ,NY,ME,NH,VA
Tetrachloroethylene	FL,NJ,NY,ME,NH,VA
Toluene	FL,NJ,NY,ME,NH,VA
1,1,1-Trichloroethane	FL,NJ,NY,ME,NH,VA
1,1,2-Trichloroethane	FL,NJ,NY,ME,NH,VA
Trichloroethylene	FL,NJ,NY,ME,NH,VA
Trichlorofluoromethane (Freon 11)	NY,ME,NH
1,2,4-Trimethylbenzene	NJ,NY,ME,NH
1,3,5-Trimethylbenzene	NJ,NY,ME,NH
Vinyl Chloride	FL,NJ,NY,ME,NH,VA
m&p-Xylene	FL,NJ,NY,ME,NH,VA
o-Xylene	FL,NJ,NY,ME,NH,VA

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

Code	Description	Number	Expires
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2025
NJ	New Jersey DEP	MA007 NELAP	06/30/2024
FL	Florida Department of Health	E871027 NELAP	06/30/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024



Phone: 413-525-2332  
Fax: 413-525-6405  
www.pacelabs.com

Company Name: **EA Engineering**

Address: **301 Metro center blvd, Ste 102, Winsted, CT 06896**

Phone: **401-352-5745**

Project Name: **Alvarez High School**

Project Location: **Providence, RI**

Project Number: **1506611**

Project Manager: **Jonathan Alvarez**

Pace Quote Name/Number:

Invoice Recipient:

Sampled By: **Travis Chudaj**

**Requested Turnaround Time**  
 7-Day  10-Day   
 Due Date:

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

**Data Delivery**  
 Format: PDF  EXCEL   
 Other: **Please report in  $\mu\text{g}/\text{m}^3$**   
 CLP Like Data Pkg Required:   
 Email To: **jalvarez@east.com**  
 Fax To: **tech@east.com**

**Lab Receipt Pressure**  
 " Hg

**Final Pressure**

**Initial Pressure**

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	Pace Work Order#	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume
			Beginning Date/Time	Ending Date/Time				
		Client Sample ID / Description			Total Minutes Sampled	$\text{m}^3/\text{min}$ / L/min	Code	Liters $\text{m}^3$
		01 Kitchen Storage room	12:30	1308	38		IA	6
		02 Room 145	1227	1257	30		IA	6
		03 Room 152	1237	1312	35		IA	6
		04 Room 116	1235	1304	39		IA	6

Comments: **Please report in  $\mu\text{g}/\text{m}^3$**

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

Relinquished by: (signature) **Jachuk** Date/Time: **2-8-24**

Received by: (signature) **Proa** Date/Time: **2-12-24 1040**

Relinquished by: (signature) **Proa** Date/Time: **2-12-24 1443**

Received by: (signature) **Proa** Date/Time: **2-12-24 1443**

Relinquished by: (signature) Date/Time:


Received by: (signature) Date/Time:

Detection Limit Requirements: MA  MA MCP Required   
 MCP Certification Form Required   
 CT  CT RCP Required   
 RCP Certification Form Required   
 Other:

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

PCB ONLY

NEIAC and AIHA-LAP, LLC Accredited

	DC#_ Title: ENV-FRM-ELON-0009 v04_Air Sample Receiving Checklist
	Effective Date: 07/13/2023

### Log In Back-Sheet

Client EA Engineering

Project Alvarez High School

MCP/RCP Required \_\_\_\_\_

Deliverable Package Requirement \_\_\_\_\_

Location Providence, RI

PWSID# (When Applicable) \_\_\_\_\_

Arrival Method Courier

Received By / Date / Time CMH 2/12/24 1443

Back-Sheet By / Date / Time KMC 2/12/24 1600

Temperature Method \_\_\_\_\_ # \_\_\_\_\_

Temp ≤ 6° C  Actual Temperature \_\_\_\_\_

Rush Samples:  Yes /  No 3day Notify \_\_\_\_\_

Short Hold: Yes /  No \_\_\_\_\_ Notify \_\_\_\_\_

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy)  
Any False statement will be brought to the attention of the Client – True or False

	True	False
Received on Ice	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Received in Cooler	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Custody Seal: DATE TIME	<input type="checkbox"/>	<input checked="" type="checkbox"/>
COC Relinquished	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COC/Samples Labels Agree	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Samples in Good Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Samples Received within Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there enough Volume	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Proper Media/Container Used	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Individually Certified Cans	<input checked="" type="checkbox"/> (u)	<input checked="" type="checkbox"/>
Trip Blanks	<input type="checkbox"/>	<input checked="" type="checkbox"/>
COC Legible	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COC Included: (Check all included)		
Client	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Analysis	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sampler Name	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Project	<input checked="" type="checkbox"/>	<input type="checkbox"/>
IDs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Collection Date/Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Notes regarding Samples/COC outside of SOP:**

\_\_\_\_\_

\_\_\_\_\_

Container	#	Size	Regulator	Duration	Accessories			
Summa Cans	4	6L	4	30min	Nut/Ferrule		IC Train	4
Tedlar Bags					Tubing			
TO-17 Tubes					T-Connector		Shipping Charges	
Radiello					Syringe			
Pufs/ TO-11					Tedlar			

Can #'s	5	10	15	Regs #'s	5	10	15
1 2917	6	11	16	1 4380	6	11	16
2 2470	7	12	17	2 4378	7	12	17
3 1346	8	13	18	3 4727	8	13	18
4 2216	9	14	19	4 4690	9	14	19
Unused Media	4	9	14	Pufs/TO-17's	5	10	15
1	5	10	15	1	6	11	16
2	6	11	16	2	7	12	17
3	7	12	17	3	8	13	18
4	8	13	18	4	9	14	19



February 29, 2024

Johnathan Alvarez  
EA Engineering Science & Tech. - RI  
301 Metro Center Blvd, Suite 102  
Warwick, RI 02886

Project Location: Providence, RI  
Client Job Number:  
Project Number: 1506611  
Laboratory Work Order Number: 24B2681

Enclosed are results of analyses for samples as received by the laboratory on February 26, 2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kaitlyn A. Feliciano  
Project Manager

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 EA Engineering Science & Tech. - RI  
 301 Metro Center Blvd, Suite 102  
 Warwick, RI 02886  
 ATTN: Johnathan Alvarez

REPORT DATE: 2/29/2024

PURCHASE ORDER NUMBER: 18155

PROJECT NUMBER: 1506611

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 24B2681

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

PROJECT LOCATION: Providence, RI

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Room 145	24B2681-01	Indoor air		- EPA TO-15	
Room 152	24B2681-02	Indoor air		- EPA TO-15	
Room 116	24B2681-03	Indoor air		- EPA TO-15	
Kitchen Storage	24B2681-04	Indoor air		- 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:**

**L-01**

Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

**Analyte & Samples(s) Qualified:**

**1,1,1,2-Tetrachloroethane**

B367125-BS1

**V-36**

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

**Analyte & Samples(s) Qualified:**

**1,1,1,2-Tetrachloroethane**

B367125-BS1, S101051-CCV1

**EPA TO-15**

Initial and continuing calibrations met all required performance standards for RCP compounds that are Title III Clean Air Act Amendment compounds listed in table 1 of the TO-15 method unless otherwise specified in this narrative.

Laboratory control sample recoveries and sample replicate RPDs were all within limits specified by the method for RCP compounds that are Title III Clean Air Act Amendment compounds listed in table 1 of the TO-15 method unless otherwise specified in this narrative. Recovery limits of 50-150% are used for propene, acetone, ethanol, isopropanol, ethyl acetate, tetrahydrofuran, cyclohexane, heptane, 2-hexanone, 4-ethyltoluene, n-butylbenzene, sec-butylbenzene, 4-isopropyltoluene, and 1,1,1,2-tetrachloroethane.

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

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**ANALYTICAL RESULTS**

 Project Location: Providence, RI  
 Date Received: 2/26/2024  
**Field Sample #: Room 145**  
**Sample ID: 24B2681-01**  
 Sample Matrix: Indoor air  
 Sampled: 2/26/2024 10:07

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 2073  
 Canister Size: 6 liter  
 Flow Controller ID: 4367  
 Sample Type: 30 min

**Work Order: 24B2681**  
 Initial Vacuum(in Hg): -29.5  
 Final Vacuum(in Hg): 0  
 Receipt Vacuum(in Hg): -1.4  
 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	2.7	0.80		6.5	1.9	0.4	2/27/24	15:50	CMR
Acrylonitrile	ND	0.12		ND	0.25	0.4	2/27/24	15:50	CMR
Benzene	0.19	0.020		0.61	0.064	0.4	2/27/24	15:50	CMR
Bromodichloromethane	ND	0.010		ND	0.067	0.4	2/27/24	15:50	CMR
Bromoform	ND	0.020		ND	0.21	0.4	2/27/24	15:50	CMR
2-Butanone (MEK)	ND	0.80		ND	2.4	0.4	2/27/24	15:50	CMR
n-Butylbenzene	ND	0.058		ND	0.32	0.4	2/27/24	15:50	CMR
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	2/27/24	15:50	CMR
Carbon Tetrachloride	0.070	0.010		0.44	0.063	0.4	2/27/24	15:50	CMR
Chlorobenzene	ND	0.020		ND	0.092	0.4	2/27/24	15:50	CMR
Chloroethane	ND	0.020		ND	0.053	0.4	2/27/24	15:50	CMR
Chloroform	0.019	0.010		0.092	0.049	0.4	2/27/24	15:50	CMR
Chloromethane	0.56	0.040		1.2	0.083	0.4	2/27/24	15:50	CMR
Dibromochloromethane	ND	0.010		ND	0.085	0.4	2/27/24	15:50	CMR
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	2/27/24	15:50	CMR
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/27/24	15:50	CMR
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/27/24	15:50	CMR
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/27/24	15:50	CMR
Dichlorodifluoromethane (Freon 12)	0.17	0.020		0.85	0.099	0.4	2/27/24	15:50	CMR
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	2/27/24	15:50	CMR
1,2-Dichloroethane	0.019	0.010		0.076	0.040	0.4	2/27/24	15:50	CMR
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/27/24	15:50	CMR
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/27/24	15:50	CMR
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/27/24	15:50	CMR
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	2/27/24	15:50	CMR
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	2/27/24	15:50	CMR
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	2/27/24	15:50	CMR
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	2/27/24	15:50	CMR
Ethylbenzene	0.051	0.020		0.22	0.087	0.4	2/27/24	15:50	CMR
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	2/27/24	15:50	CMR
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	2/27/24	15:50	CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	2/27/24	15:50	CMR
Methylene Chloride	ND	0.20		ND	0.69	0.4	2/27/24	15:50	CMR
4-Methyl-2-pentanone (MIBK)	0.028	0.020		0.11	0.082	0.4	2/27/24	15:50	CMR
Styrene	ND	0.020		ND	0.085	0.4	2/27/24	15:50	CMR
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	2/27/24	15:50	CMR
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	2/27/24	15:50	CMR

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**ANALYTICAL RESULTS**

 Project Location: Providence, RI  
 Date Received: 2/26/2024  
**Field Sample #: Room 145**  
**Sample ID: 24B2681-01**  
 Sample Matrix: Indoor air  
 Sampled: 2/26/2024 10:07

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 2073  
 Canister Size: 6 liter  
 Flow Controller ID: 4367  
 Sample Type: 30 min

**Work Order: 24B2681**  
 Initial Vacuum(in Hg): -29.5  
 Final Vacuum(in Hg): 0  
 Receipt Vacuum(in Hg): -1.4  
 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		
Tetrachloroethylene	0.037	0.020		0.25	0.14	0.4	2/27/24 15:50	CMR	
Toluene	0.37	0.020		1.4	0.075	0.4	2/27/24 15:50	CMR	
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	2/27/24 15:50	CMR	
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	2/27/24 15:50	CMR	
Trichloroethylene	0.021	0.010		0.11	0.054	0.4	2/27/24 15:50	CMR	
Trichlorofluoromethane (Freon 11)	0.25	0.080		1.4	0.45	0.4	2/27/24 15:50	CMR	
1,2,4-Trimethylbenzene	0.034	0.020		0.17	0.098	0.4	2/27/24 15:50	CMR	
1,3,5-Trimethylbenzene	ND	0.020		ND	0.098	0.4	2/27/24 15:50	CMR	
Vinyl Chloride	ND	0.020		ND	0.051	0.4	2/27/24 15:50	CMR	
m&p-Xylene	0.17	0.040		0.73	0.17	0.4	2/27/24 15:50	CMR	
o-Xylene	0.060	0.020		0.26	0.087	0.4	2/27/24 15:50	CMR	

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	105	70-130	2/27/24 15:50
4-Bromofluorobenzene (2)	114	70-130	2/27/24 15:50

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**ANALYTICAL RESULTS**

 Project Location: Providence, RI  
 Date Received: 2/26/2024  
**Field Sample #: Room 152**  
**Sample ID: 24B2681-02**  
 Sample Matrix: Indoor air  
 Sampled: 2/26/2024 10:08

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1722  
 Canister Size: 6 liter  
 Flow Controller ID: 4210  
 Sample Type: 30 min

**Work Order: 24B2681**  
 Initial Vacuum(in Hg): -29  
 Final Vacuum(in Hg): 0  
 Receipt Vacuum(in Hg): -2.1  
 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	3.5	0.80		8.3	1.9	0.4	2/27/24 16:45	CMR	
Acrylonitrile	ND	0.12		ND	0.25	0.4	2/27/24 16:45	CMR	
Benzene	0.20	0.020		0.63	0.064	0.4	2/27/24 16:45	CMR	
Bromodichloromethane	ND	0.010		ND	0.067	0.4	2/27/24 16:45	CMR	
Bromoform	ND	0.020		ND	0.21	0.4	2/27/24 16:45	CMR	
2-Butanone (MEK)	ND	0.80		ND	2.4	0.4	2/27/24 16:45	CMR	
n-Butylbenzene	ND	0.058		ND	0.32	0.4	2/27/24 16:45	CMR	
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	2/27/24 16:45	CMR	
Carbon Tetrachloride	0.069	0.010		0.43	0.063	0.4	2/27/24 16:45	CMR	
Chlorobenzene	ND	0.020		ND	0.092	0.4	2/27/24 16:45	CMR	
Chloroethane	ND	0.020		ND	0.053	0.4	2/27/24 16:45	CMR	
Chloroform	0.018	0.010		0.090	0.049	0.4	2/27/24 16:45	CMR	
Chloromethane	0.58	0.040		1.2	0.083	0.4	2/27/24 16:45	CMR	
Dibromochloromethane	ND	0.010		ND	0.085	0.4	2/27/24 16:45	CMR	
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	2/27/24 16:45	CMR	
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/27/24 16:45	CMR	
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/27/24 16:45	CMR	
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/27/24 16:45	CMR	
Dichlorodifluoromethane (Freon 12)	0.16	0.020		0.81	0.099	0.4	2/27/24 16:45	CMR	
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	2/27/24 16:45	CMR	
1,2-Dichloroethane	0.018	0.010		0.071	0.040	0.4	2/27/24 16:45	CMR	
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/27/24 16:45	CMR	
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/27/24 16:45	CMR	
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/27/24 16:45	CMR	
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	2/27/24 16:45	CMR	
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	2/27/24 16:45	CMR	
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	2/27/24 16:45	CMR	
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	2/27/24 16:45	CMR	
Ethylbenzene	0.050	0.020		0.22	0.087	0.4	2/27/24 16:45	CMR	
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	2/27/24 16:45	CMR	
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	2/27/24 16:45	CMR	
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	2/27/24 16:45	CMR	
Methylene Chloride	ND	0.20		ND	0.69	0.4	2/27/24 16:45	CMR	
4-Methyl-2-pentanone (MIBK)	0.047	0.020		0.19	0.082	0.4	2/27/24 16:45	CMR	
Styrene	0.021	0.020		0.089	0.085	0.4	2/27/24 16:45	CMR	
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	2/27/24 16:45	CMR	
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	2/27/24 16:45	CMR	

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**ANALYTICAL RESULTS**

 Project Location: Providence, RI  
 Date Received: 2/26/2024  
**Field Sample #: Room 152**  
**Sample ID: 24B2681-02**  
 Sample Matrix: Indoor air  
 Sampled: 2/26/2024 10:08

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1722  
 Canister Size: 6 liter  
 Flow Controller ID: 4210  
 Sample Type: 30 min

**Work Order: 24B2681**  
 Initial Vacuum(in Hg): -29  
 Final Vacuum(in Hg): 0  
 Receipt Vacuum(in Hg): -2.1  
 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			
Tetrachloroethylene	0.038	0.020		0.26	0.14	0.4	2/27/24 16:45	CMR
Toluene	0.36	0.020		1.4	0.075	0.4	2/27/24 16:45	CMR
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	2/27/24 16:45	CMR
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	2/27/24 16:45	CMR
Trichloroethylene	ND	0.010		ND	0.054	0.4	2/27/24 16:45	CMR
Trichlorofluoromethane (Freon 11)	0.24	0.080		1.4	0.45	0.4	2/27/24 16:45	CMR
1,2,4-Trimethylbenzene	0.036	0.020		0.18	0.098	0.4	2/27/24 16:45	CMR
1,3,5-Trimethylbenzene	ND	0.020		ND	0.098	0.4	2/27/24 16:45	CMR
Vinyl Chloride	ND	0.020		ND	0.051	0.4	2/27/24 16:45	CMR
m&p-Xylene	0.16	0.040		0.71	0.17	0.4	2/27/24 16:45	CMR
o-Xylene	0.058	0.020		0.25	0.087	0.4	2/27/24 16:45	CMR

Surrogates	% Recovery	% REC Limits	Date/Time Analyzed
4-Bromofluorobenzene (1)	101	70-130	2/27/24 16:45
4-Bromofluorobenzene (2)	108	70-130	2/27/24 16:45



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**ANALYTICAL RESULTS**

 Project Location: Providence, RI  
 Date Received: 2/26/2024  
**Field Sample #: Room 116**  
**Sample ID: 24B2681-03**  
 Sample Matrix: Indoor air  
 Sampled: 2/26/2024 11:33

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 2202  
 Canister Size: 6 liter  
 Flow Controller ID: 4091  
 Sample Type: 30 min

**Work Order: 24B2681**  
 Initial Vacuum(in Hg): -29  
 Final Vacuum(in Hg): 0  
 Receipt Vacuum(in Hg): -0.9  
 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	10	0.80		24	1.9	0.4	2/27/24 17:37		CMR
Acrylonitrile	ND	0.12		ND	0.25	0.4	2/27/24 17:37		CMR
Benzene	0.13	0.020		0.42	0.064	0.4	2/27/24 17:37		CMR
Bromodichloromethane	ND	0.010		ND	0.067	0.4	2/27/24 17:37		CMR
Bromoform	ND	0.020		ND	0.21	0.4	2/27/24 17:37		CMR
2-Butanone (MEK)	ND	0.80		ND	2.4	0.4	2/27/24 17:37		CMR
n-Butylbenzene	ND	0.058		ND	0.32	0.4	2/27/24 17:37		CMR
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	2/27/24 17:37		CMR
Carbon Tetrachloride	0.071	0.010		0.45	0.063	0.4	2/27/24 17:37		CMR
Chlorobenzene	ND	0.020		ND	0.092	0.4	2/27/24 17:37		CMR
Chloroethane	ND	0.020		ND	0.053	0.4	2/27/24 17:37		CMR
Chloroform	0.019	0.010		0.092	0.049	0.4	2/27/24 17:37		CMR
Chloromethane	0.57	0.040		1.2	0.083	0.4	2/27/24 17:37		CMR
Dibromochloromethane	ND	0.010		ND	0.085	0.4	2/27/24 17:37		CMR
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	2/27/24 17:37		CMR
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/27/24 17:37		CMR
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/27/24 17:37		CMR
1,4-Dichlorobenzene	0.020	0.020		0.12	0.12	0.4	2/27/24 17:37		CMR
Dichlorodifluoromethane (Freon 12)	0.15	0.020		0.75	0.099	0.4	2/27/24 17:37		CMR
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	2/27/24 17:37		CMR
1,2-Dichloroethane	0.020	0.010		0.079	0.040	0.4	2/27/24 17:37		CMR
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/27/24 17:37		CMR
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/27/24 17:37		CMR
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/27/24 17:37		CMR
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	2/27/24 17:37		CMR
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	2/27/24 17:37		CMR
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	2/27/24 17:37		CMR
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	2/27/24 17:37		CMR
Ethylbenzene	0.021	0.020		0.092	0.087	0.4	2/27/24 17:37		CMR
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	2/27/24 17:37		CMR
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	2/27/24 17:37		CMR
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	2/27/24 17:37		CMR
Methylene Chloride	ND	0.20		ND	0.69	0.4	2/27/24 17:37		CMR
4-Methyl-2-pentanone (MIBK)	0.030	0.020		0.12	0.082	0.4	2/27/24 17:37		CMR
Styrene	ND	0.020		ND	0.085	0.4	2/27/24 17:37		CMR
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	2/27/24 17:37		CMR
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	2/27/24 17:37		CMR

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**ANALYTICAL RESULTS**

 Project Location: Providence, RI  
 Date Received: 2/26/2024  
**Field Sample #: Room 116**  
**Sample ID: 24B2681-03**  
 Sample Matrix: Indoor air  
 Sampled: 2/26/2024 11:33

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 2202  
 Canister Size: 6 liter  
 Flow Controller ID: 4091  
 Sample Type: 30 min

**Work Order: 24B2681**  
 Initial Vacuum(in Hg): -29  
 Final Vacuum(in Hg): 0  
 Receipt Vacuum(in Hg): -0.9  
 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		
Tetrachloroethylene	ND	0.020		ND	0.14	0.4	2/27/24 17:37		CMR
Toluene	0.16	0.020		0.61	0.075	0.4	2/27/24 17:37		CMR
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	2/27/24 17:37		CMR
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	2/27/24 17:37		CMR
Trichloroethylene	ND	0.010		ND	0.054	0.4	2/27/24 17:37		CMR
Trichlorofluoromethane (Freon 11)	0.22	0.080		1.2	0.45	0.4	2/27/24 17:37		CMR
1,2,4-Trimethylbenzene	ND	0.020		ND	0.098	0.4	2/27/24 17:37		CMR
1,3,5-Trimethylbenzene	ND	0.020		ND	0.098	0.4	2/27/24 17:37		CMR
Vinyl Chloride	ND	0.020		ND	0.051	0.4	2/27/24 17:37		CMR
m&p-Xylene	0.054	0.040		0.23	0.17	0.4	2/27/24 17:37		CMR
o-Xylene	0.022	0.020		0.097	0.087	0.4	2/27/24 17:37		CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	103	70-130	2/27/24 17:37
4-Bromofluorobenzene (2)	108	70-130	2/27/24 17:37

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

**ANALYTICAL RESULTS**

 Project Location: Providence, RI  
 Date Received: 2/26/2024  
**Field Sample #: Kitchen Storage**  
**Sample ID: 24B2681-04**  
 Sample Matrix: Indoor air  
 Sampled: 2/26/2024 11:32

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1104  
 Canister Size: 6 liter  
 Flow Controller ID: 4201  
 Sample Type: 30 min

**Work Order: 24B2681**  
 Initial Vacuum(in Hg): -24  
 Final Vacuum(in Hg): 0  
 Receipt Vacuum(in Hg): 0.2  
 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	8.4	0.80		20	1.9	0.4	2/27/24 18:29	CMR	
Acrylonitrile	ND	0.12		ND	0.25	0.4	2/27/24 18:29	CMR	
Benzene	0.16	0.020		0.52	0.064	0.4	2/27/24 18:29	CMR	
Bromodichloromethane	ND	0.010		ND	0.067	0.4	2/27/24 18:29	CMR	
Bromoform	ND	0.020		ND	0.21	0.4	2/27/24 18:29	CMR	
2-Butanone (MEK)	ND	0.80		ND	2.4	0.4	2/27/24 18:29	CMR	
n-Butylbenzene	ND	0.058		ND	0.32	0.4	2/27/24 18:29	CMR	
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	2/27/24 18:29	CMR	
Carbon Tetrachloride	0.068	0.010		0.43	0.063	0.4	2/27/24 18:29	CMR	
Chlorobenzene	ND	0.020		ND	0.092	0.4	2/27/24 18:29	CMR	
Chloroethane	ND	0.020		ND	0.053	0.4	2/27/24 18:29	CMR	
Chloroform	0.17	0.010		0.81	0.049	0.4	2/27/24 18:29	CMR	
Chloromethane	0.65	0.040		1.3	0.083	0.4	2/27/24 18:29	CMR	
Dibromochloromethane	ND	0.010		ND	0.085	0.4	2/27/24 18:29	CMR	
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	2/27/24 18:29	CMR	
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/27/24 18:29	CMR	
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/27/24 18:29	CMR	
1,4-Dichlorobenzene	0.022	0.020		0.13	0.12	0.4	2/27/24 18:29	CMR	
Dichlorodifluoromethane (Freon 12)	0.17	0.020		0.82	0.099	0.4	2/27/24 18:29	CMR	
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	2/27/24 18:29	CMR	
1,2-Dichloroethane	0.023	0.010		0.092	0.040	0.4	2/27/24 18:29	CMR	
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/27/24 18:29	CMR	
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/27/24 18:29	CMR	
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/27/24 18:29	CMR	
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	2/27/24 18:29	CMR	
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	2/27/24 18:29	CMR	
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	2/27/24 18:29	CMR	
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	2/27/24 18:29	CMR	
Ethylbenzene	0.032	0.020		0.14	0.087	0.4	2/27/24 18:29	CMR	
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	2/27/24 18:29	CMR	
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	2/27/24 18:29	CMR	
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	2/27/24 18:29	CMR	
Methylene Chloride	ND	0.20		ND	0.69	0.4	2/27/24 18:29	CMR	
4-Methyl-2-pentanone (MIBK)	0.032	0.020		0.13	0.082	0.4	2/27/24 18:29	CMR	
Styrene	0.070	0.020		0.30	0.085	0.4	2/27/24 18:29	CMR	
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	2/27/24 18:29	CMR	
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	2/27/24 18:29	CMR	

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**ANALYTICAL RESULTS**

 Project Location: Providence, RI  
 Date Received: 2/26/2024  
**Field Sample #: Kitchen Storage**  
**Sample ID: 24B2681-04**  
 Sample Matrix: Indoor air  
 Sampled: 2/26/2024 11:32

 Sample Description/Location:  
 Sub Description/Location:  
 Canister ID: 1104  
 Canister Size: 6 liter  
 Flow Controller ID: 4201  
 Sample Type: 30 min

**Work Order: 24B2681**  
 Initial Vacuum(in Hg): -24  
 Final Vacuum(in Hg): 0  
 Receipt Vacuum(in Hg): 0.2  
 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		
Tetrachloroethylene	0.048	0.020		0.33	0.14	0.4	2/27/24	18:29	CMR
Toluene	0.20	0.020		0.74	0.075	0.4	2/27/24	18:29	CMR
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	2/27/24	18:29	CMR
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	2/27/24	18:29	CMR
Trichloroethylene	ND	0.010		ND	0.054	0.4	2/27/24	18:29	CMR
Trichlorofluoromethane (Freon 11)	0.23	0.080		1.3	0.45	0.4	2/27/24	18:29	CMR
1,2,4-Trimethylbenzene	0.031	0.020		0.15	0.098	0.4	2/27/24	18:29	CMR
1,3,5-Trimethylbenzene	ND	0.020		ND	0.098	0.4	2/27/24	18:29	CMR
Vinyl Chloride	ND	0.020		ND	0.051	0.4	2/27/24	18:29	CMR
m&p-Xylene	0.070	0.040		0.30	0.17	0.4	2/27/24	18:29	CMR
o-Xylene	0.052	0.020		0.23	0.087	0.4	2/27/24	18:29	CMR

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	102	70-130	2/27/24 18:29
4-Bromofluorobenzene (2)	112	70-130	2/27/24 18:29

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**Sample Extraction Data**
**Prep Method:TO-15 Prep**
**Analytical Method:EPA TO-15**

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
24B2681-01 [Room 145]	B367125	1	1	N/A	1000	400	1000	02/27/24
24B2681-02 [Room 152]	B367125	1	1	N/A	1000	400	1000	02/27/24
24B2681-03 [Room 116]	B367125	1	1	N/A	1000	400	1000	02/27/24
24B2681-04 [Kitchen Storage]	B367125	1	1	N/A	1000	400	1000	02/27/24

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## QUALITY CONTROL

## Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	RPD	Flag/Qual
	Results	RL	Results	RL	ppbv	Result	Limits	RPD	
<b>Batch B367125 - TO-15 Prep</b>									
<b>Blank (B367125-BLK1)</b>					Prepared & Analyzed: 02/27/24				
Acetone	ND	0.80							
Acrylonitrile	ND	0.12							
Benzene	ND	0.020							
Bromodichloromethane	ND	0.010							
Bromoform	ND	0.020							
2-Butanone (MEK)	ND	0.80							
n-Butylbenzene	ND	0.058							
sec-Butylbenzene	ND	0.046							
Carbon Tetrachloride	ND	0.010							
Chlorobenzene	ND	0.020							
Chloroethane	ND	0.020							
Chloroform	ND	0.010							
Chloromethane	ND	0.040							
Dibromochloromethane	ND	0.010							
1,2-Dibromoethane (EDB)	ND	0.010							
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	0.010							
1,2-Dichloroethane	ND	0.010							
1,1-Dichloroethylene	ND	0.010							
cis-1,2-Dichloroethylene	ND	0.010							
trans-1,2-Dichloroethylene	ND	0.010							
1,2-Dichloropropane	ND	0.010							
1,3-Dichloropropane	ND	0.054							
cis-1,3-Dichloropropene	ND	0.010							
trans-1,3-Dichloropropene	ND	0.010							
Ethylbenzene	ND	0.020							
Isopropylbenzene (Cumene)	ND	0.051							
p-Isopropyltoluene (p-Cymene)	ND	0.046							
Methyl tert-Butyl Ether (MTBE)	ND	0.020							
Methylene Chloride	ND	0.20							
4-Methyl-2-pentanone (MIBK)	ND	0.020							
Styrene	ND	0.020							
1,1,1,2-Tetrachloroethane	ND	0.036							
1,1,2,2-Tetrachloroethane	ND	0.010							
Tetrachloroethylene	ND	0.020							
Toluene	ND	0.020							
1,1,1-Trichloroethane	ND	0.010							
1,1,2-Trichloroethane	ND	0.010							
Trichloroethylene	ND	0.010							
Trichlorofluoromethane (Freon 11)	ND	0.080							
1,2,4-Trimethylbenzene	ND	0.020							
1,3,5-Trimethylbenzene	ND	0.020							
Vinyl Chloride	ND	0.020							

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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		
<b>Batch B367125 - TO-15 Prep</b>										
<b>Blank (B367125-BLK1)</b>					Prepared & Analyzed: 02/27/24					
m&p-Xylene	ND	0.040								
o-Xylene	ND	0.020								
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	7.96				8.00		99.5	70-130		
<i>Surrogate: 4-Bromofluorobenzene (2)</i>	8.79				8.00		110	70-130		
<b>LCS (B367125-BS1)</b>					Prepared & Analyzed: 02/27/24					
Acetone	4.87				5.00		97.4	70-130		
Acrylonitrile	2.86				2.88		99.2	70-130		
Benzene	4.81				5.00		96.2	70-130		
Bromodichloromethane	4.58				5.00		91.6	70-130		
Bromoform	5.19				5.00		104	70-130		
2-Butanone (MEK)	4.95				5.00		99.0	70-130		
n-Butylbenzene	1.26				1.14		111	70-130		
sec-Butylbenzene	1.30				1.14		114	70-130		
Carbon Tetrachloride	4.78				5.00		95.6	70-130		
Chlorobenzene	4.84				5.00		96.8	70-130		
Chloroethane	4.71				5.00		94.2	70-130		
Chloroform	5.12				5.00		102	70-130		
Chloromethane	4.52				5.00		90.4	70-130		
Dibromochloromethane	4.94				5.00		98.8	70-130		
1,2-Dibromoethane (EDB)	4.84				5.00		96.8	70-130		
1,2-Dichlorobenzene	5.39				5.00		108	70-130		
1,3-Dichlorobenzene	5.48				5.00		110	70-130		
1,4-Dichlorobenzene	5.48				5.00		110	70-130		
Dichlorodifluoromethane (Freon 12)	5.41				5.00		108	70-130		
1,1-Dichloroethane	4.84				5.00		96.8	70-130		
1,2-Dichloroethane	5.12				5.00		102	70-130		
1,1-Dichloroethylene	5.13				5.00		103	70-130		
cis-1,2-Dichloroethylene	5.10				5.00		102	70-130		
trans-1,2-Dichloroethylene	5.08				5.00		102	70-130		
1,2-Dichloropropane	4.22				5.00		84.4	70-130		
1,3-Dichloropropane	1.47				1.35		109	70-130		
cis-1,3-Dichloropropene	4.85				5.00		97.0	70-130		
trans-1,3-Dichloropropene	5.73				5.00		115	70-130		
Ethylbenzene	5.28				5.00		106	70-130		
Isopropylbenzene (Cumene)	1.32				1.27		104	70-130		
p-Isopropyltoluene (p-Cymene)	1.32				1.14		115	70-130		
Methyl tert-Butyl Ether (MTBE)	5.59				5.00		112	70-130		
Methylene Chloride	4.45				5.00		89.0	70-130		
4-Methyl-2-pentanone (MIBK)	5.24				5.00		105	70-130		
Styrene	5.63				5.00		113	70-130		
1,1,1,2-Tetrachloroethane	1.24				0.910		137 *	70-130		L-01, V-36
1,1,2,2-Tetrachloroethane	4.55				5.00		91.0	70-130		
Tetrachloroethylene	4.93				5.00		98.6	70-130		
Toluene	5.25				5.00		105	70-130		
1,1,1-Trichloroethane	4.68				5.00		93.6	70-130		
1,1,2-Trichloroethane	4.65				5.00		93.0	70-130		

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**QUALITY CONTROL**
**Air Toxics by EPA Compendium Methods - Quality Control**

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	RPD	Flag/Qual
	Results	RL	Results	RL	ppbv	Result	Limits	RPD	

**Batch B367125 - TO-15 Prep**
**LCS (B367125-BS1)**

Prepared &amp; Analyzed: 02/27/24

Trichloroethylene	4.96				5.00		99.2	70-130	
Trichlorofluoromethane (Freon 11)	5.13				5.00		103	70-130	
1,2,4-Trimethylbenzene	5.70				5.00		114	70-130	
1,3,5-Trimethylbenzene	5.60				5.00		112	70-130	
Vinyl Chloride	4.81				5.00		96.2	70-130	
m&p-Xylene	11.4				10.0		114	70-130	
o-Xylene	5.32				5.00		106	70-130	
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	8.25				8.00		103	70-130	
<i>Surrogate: 4-Bromofluorobenzene (2)</i>	8.70				8.00		109	70-130	



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**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.
L-01	Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
V-36	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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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
<b>Initial Cal Check (S100759-ICV1)</b>									
Lab File ID: G24A052016.D					Analyzed: 02/21/24 06:08				
Bromochloromethane (1)	585119	8.024	623550	8.03	94	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (1)	1633998	9.792	1640491	9.798	100	60 - 140	-0.0060	+/-0.50	
Chlorobenzene-d5 (1)	1489687	14.151	1505348	14.151	99	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (2)	1682759	9.792	1705811	9.792	99	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	360082	14.151	365297	14.151	99	60 - 140	0.0000	+/-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
<b>Calibration Check (S101051-CCV1)</b>									
Lab File ID: G24A058003.D					Analyzed: 02/27/24 10:40				
Bromochloromethane (1)	462636	8.03				60 - 140		+/-0.50	
1,4-Difluorobenzene (1)	1361095	9.798				60 - 140		+/-0.50	
Chlorobenzene-d5 (1)	1242987	14.157				60 - 140		+/-0.50	
1,4-Difluorobenzene (2)	1394108	9.798				60 - 140		+/-0.50	
Chlorobenzene-d5 (2)	287585	14.151				60 - 140		+/-0.50	
<b>LCS (B367125-BS1)</b>									
Lab File ID: G24A058004.D					Analyzed: 02/27/24 11:20				
Bromochloromethane (1)	467682	8.03	462636	8.03	101	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	1310227	9.798	1361095	9.798	96	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1213052	14.157	1242987	14.157	98	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (2)	1383596	9.798	1394108	9.798	99	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	286525	14.157	287585	14.151	100	60 - 140	0.0060	+/-0.50	
<b>Blank (B367125-BLK1)</b>									
Lab File ID: G24A058009.D					Analyzed: 02/27/24 14:57				
Bromochloromethane (1)	479182	8.036	462636	8.03	104	60 - 140	0.0060	+/-0.50	
1,4-Difluorobenzene (1)	1314780	9.798	1361095	9.798	97	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1217088	14.151	1242987	14.157	98	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (2)	1312758	9.798	1394108	9.798	94	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	268952	14.151	287585	14.151	94	60 - 140	0.0000	+/-0.50	
<b>Room 145 (24B2681-01)</b>									
Lab File ID: G24A058010.D					Analyzed: 02/27/24 15:50				
Bromochloromethane (1)	486907	8.024	462636	8.03	105	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (1)	1339980	9.798	1361095	9.798	98	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	1226381	14.151	1242987	14.157	99	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (2)	1339980	9.798	1394108	9.798	96	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (2)	275252	14.151	287585	14.151	96	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
<b>Room 152 (24B2681-02 )</b>									
			Lab File ID: G24A058011.D			Analyzed: 02/27/24 16:45			
Bromochloromethane (1)	480938	8.024	462636	8.03	104	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (1)	1294084	9.792	1361095	9.798	95	60 - 140	-0.0060	+/-0.50	
Chlorobenzene-d5 (1)	1215891	14.151	1242987	14.157	98	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (2)	1294084	9.792	1394108	9.798	93	60 - 140	-0.0060	+/-0.50	
Chlorobenzene-d5 (2)	276988	14.151	287585	14.151	96	60 - 140	0.0000	+/-0.50	
<b>Room 116 (24B2681-03 )</b>									
			Lab File ID: G24A058012.D			Analyzed: 02/27/24 17:37			
Bromochloromethane (1)	499497	8.024	462636	8.03	108	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (1)	1308209	9.792	1361095	9.798	96	60 - 140	-0.0060	+/-0.50	
Chlorobenzene-d5 (1)	1208174	14.151	1242987	14.157	97	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (2)	1308209	9.792	1394108	9.798	94	60 - 140	-0.0060	+/-0.50	
Chlorobenzene-d5 (2)	280351	14.151	287585	14.151	97	60 - 140	0.0000	+/-0.50	
<b>Kitchen Storage (24B2681-04 )</b>									
			Lab File ID: G24A058013.D			Analyzed: 02/27/24 18:29			
Bromochloromethane (1)	501072	8.024	462636	8.03	108	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (1)	1376782	9.792	1361095	9.798	101	60 - 140	-0.0060	+/-0.50	
Chlorobenzene-d5 (1)	1291401	14.151	1242987	14.157	104	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (2)	1376782	9.792	1394108	9.798	99	60 - 140	-0.0060	+/-0.50	
Chlorobenzene-d5 (2)	287367	14.151	287585	14.151	100	60 - 140	0.0000	+/-0.50	

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

## CONTINUING CALIBRATION CHECK

## EPA TO-15

## S101051-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	5.03	0.9216919	0.9277929		0.7	30
Acrylonitrile	A	2.88	2.55	0.2757299	0.2436504		-11.6	30
Benzene	A	5.00	4.96	0.7757931	0.7695733		-0.8	30
Bromodichloromethane	A	5.00	4.80	0.5972854	0.5732126		-4.0	30
Bromoform	A	5.00	5.54	0.5431069	0.6017556		10.8	30
2-Butanone (MEK)	A	5.00	5.05	1.307545	1.321077		1.0	30
n-Butylbenzene	A	1.14	1.27	8.622349	9.60441		11.4	30
sec-Butylbenzene	A	1.14	1.28	10.31631	11.56628		12.1	30
Carbon Tetrachloride	A	5.00	4.98	0.5009138	0.4984269		-0.5	30
Chlorobenzene	A	5.00	5.06	0.7877083	0.7972331		1.2	30
Chloroethane	A	5.00	4.92	0.3086236	0.3035406		-1.6	30
Chloroform	A	5.00	5.37	1.440028	1.54618		7.4	30
Chloromethane	A	5.00	4.78	0.6785563	0.6489594		-4.4	30
Dibromochloromethane	A	5.00	5.21	0.5948494	0.6202453		4.3	30
1,2-Dibromoethane (EDB)	A	5.00	5.13	0.5490928	0.5638572		2.7	30
1,2-Dichlorobenzene	A	5.00	5.69	0.6148508	0.7001006		13.9	30
1,3-Dichlorobenzene	A	5.00	5.76	0.6611977	0.7611948		15.1	30
1,4-Dichlorobenzene	A	5.00	5.73	0.659745	0.7562776		14.6	30
Dichlorodifluoromethane (Freon 12)	A	5.00	5.31	1.540128	1.634477		6.1	30
1,1-Dichloroethane	A	5.00	5.03	1.265892	1.273163		0.6	30
1,2-Dichloroethane	A	5.00	5.39	0.9188488	0.9914317		7.9	30
1,1-Dichloroethylene	A	5.00	5.29	1.038377	1.09808		5.7	30
cis-1,2-Dichloroethylene	A	5.00	5.40	0.8839679	0.9544022		8.0	30
trans-1,2-Dichloroethylene	A	5.00	5.29	0.9232199	0.9760451		5.7	30
1,2-Dichloropropane	A	5.00	4.21	0.3333104	0.2805988		-15.8	30
1,3-Dichloropropane	A	1.35	1.37	3.296576	3.34925		1.6	30
cis-1,3-Dichloropropene	A	5.00	5.28	0.4594519	0.4850389		5.6	30
trans-1,3-Dichloropropene	A	5.00	5.43	0.3477882	0.3780356		8.7	30
Ethylbenzene	A	5.00	5.59	1.210014	1.352553		11.8	30
Isopropylbenzene (Cumene)	A	1.27	1.38	8.901571	9.692422		8.9	30
p-Isopropyltoluene (p-Cymene)	A	1.14	1.30	8.339672	9.541356		14.4	30
Methyl tert-Butyl Ether (MTBE)	A	5.00	5.84	1.627031	1.901116		16.8	30
Methylene Chloride	A	5.00	4.61	0.8346046	0.7688498		-7.9	30
4-Methyl-2-pentanone (MIBK)	A	5.00	5.05	0.576217	0.5821936		1.0	30
Styrene	A	5.00	5.87	0.6589064	0.7733191		17.4	30
1,1,1,2-Tetrachloroethane	A	0.910	0.859	2.092288	1.974915		-5.6	30
1,1,1,2,2-Tetrachloroethane	A	5.00	4.99	0.8156315	0.8144201		-0.1	30
Tetrachloroethylene	A	5.00	5.21	0.4489411	0.4676245		4.2	30

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## CONTINUING CALIBRATION CHECK

## EPA TO-15

## S101051-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Toluene	A	5.00	5.39	0.94549	1.020095		7.9	30
1,1,1-Trichloroethane	A	5.00	4.95	0.5145077	0.5095956		-1.0	30
1,1,2-Trichloroethane	A	5.00	4.94	0.3592603	0.3552063		-1.1	30
Trichloroethylene	A	5.00	4.99	0.3396411	0.3389659		-0.2	30
Trichlorofluoromethane (Freon 11)	A	5.00	5.44	1.463792	1.592315		8.8	30
1,2,4-Trimethylbenzene	A	5.00	6.03	0.9566545	1.153322		20.6	30
1,3,5-Trimethylbenzene	A	5.00	5.82	0.9998111	1.163772		16.4	30
Vinyl Chloride	A	5.00	5.03	0.6934505	0.6982768		0.7	30
m&p-Xylene	A	10.0	11.9	0.9256934	1.097882		18.6	30
o-Xylene	A	5.00	5.62	0.9487578	1.066933		12.5	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	NY,ME,NH
Acrylonitrile	NJ,NY,ME,NH
Benzene	FL,NJ,NY,ME,NH,VA
Bromodichloromethane	NJ,NY,ME,NH,VA
Bromoform	NJ,NY,ME,NH,VA
2-Butanone (MEK)	FL,NJ,NY,ME,NH,VA
Carbon Tetrachloride	FL,NJ,NY,ME,NH,VA
Chlorobenzene	FL,NJ,NY,ME,NH,VA
Chloroethane	FL,NJ,NY,ME,NH,VA
Chloroform	FL,NJ,NY,ME,NH,VA
Chloromethane	FL,NJ,NY,ME,NH,VA
Dibromochloromethane	NY,ME,NH
1,2-Dibromoethane (EDB)	NJ,NY,ME,NH
1,2-Dichlorobenzene	FL,NJ,NY,ME,NH,VA
1,3-Dichlorobenzene	NJ,NY,ME,NH
1,4-Dichlorobenzene	FL,NJ,NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	NY,ME,NH
1,1-Dichloroethane	FL,NJ,NY,ME,NH,VA
1,2-Dichloroethane	FL,NJ,NY,ME,NH,VA
1,1-Dichloroethylene	FL,NJ,NY,ME,NH,VA
cis-1,2-Dichloroethylene	FL,NY,ME,NH,VA
trans-1,2-Dichloroethylene	NJ,NY,ME,NH,VA
1,2-Dichloropropane	FL,NJ,NY,ME,NH,VA
cis-1,3-Dichloropropene	FL,NJ,NY,ME,NH,VA
trans-1,3-Dichloropropene	NY,ME,NH
Ethylbenzene	FL,NJ,NY,ME,NH,VA
Isopropylbenzene (Cumene)	NJ,NY,ME,NH
Methyl tert-Butyl Ether (MTBE)	FL,NJ,NY,ME,NH,VA
Methylene Chloride	FL,NJ,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	FL,NJ,NY,ME,NH
Styrene	FL,NJ,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	FL,NJ,NY,ME,NH,VA
Tetrachloroethylene	FL,NJ,NY,ME,NH,VA
Toluene	FL,NJ,NY,ME,NH,VA
1,1,1-Trichloroethane	FL,NJ,NY,ME,NH,VA
1,1,2-Trichloroethane	FL,NJ,NY,ME,NH,VA
Trichloroethylene	FL,NJ,NY,ME,NH,VA
Trichlorofluoromethane (Freon 11)	NY,ME,NH
1,2,4-Trimethylbenzene	NJ,NY,ME,NH
1,3,5-Trimethylbenzene	NJ,NY,ME,NH
Vinyl Chloride	FL,NJ,NY,ME,NH,VA
m&p-Xylene	FL,NJ,NY,ME,NH,VA
o-Xylene	FL,NJ,NY,ME,NH,VA

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

Code	Description	Number	Expires
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2025
NJ	New Jersey DEP	MA007 NELAP	06/30/2024
FL	Florida Department of Health	E871027 NELAP	06/30/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024

**CHAIN OF CUSTODY RECORD (AIR)**

Requested Turnaround Time:  7-Day  10-Day

Due Date: \_\_\_\_\_

Rush-Approval Required:  3-Day  4-Day

Data Delivery:  EXCEL

Other: *Please report in  $Hg/m^3$*

CLP Like Data Pkg Required:

Email To: *j.alvarez@erest.com*

Fax To: *781-352-5745*

Company Name: *FA Engineering*

Address: *361 Metre Center Blvd, Suite 102, Warwick, RI 02886*

Phone: *401-352-5745*

Project Name: *Alvarez HS*

Project Location: *Providence, RI*

Project Number: *1506611*

Project Manager: *Jonathan Alvarez*

Pace Quote Name/Number: \_\_\_\_\_

Invoice Recipient: *Melanie Dina*

Sampled By: *Tavis Chudaj*

Lab Use	Pace Work Order#	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume
			Beginning Date/Time	Ending Date/Time				
01	Room 145		2-23-24 09:37	2-23-24 10:07	30		IA	6
02	Room 152		2-23-24 09:38	2-23-24 10:08	30		IA	6
03	Room 116		2-26-24 11:06	2-26-24 11:33	27		IA	6
04	Recess Kitchen Storage		2-26-24 11:02	2-26-24 11:32	30		IA	6

Lab Use	Pace Work Order#	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume
			Beginning Date/Time	Ending Date/Time				

Comments: *Please report in  $Hg/m^3$*

Relinquished by: (signature) *[Signature]* Date/Time: *2/26/24 13:45*

Received by: (signature) *[Signature]* Date/Time: *2-26-24 13:45*

Relinquished by: (signature) *[Signature]* Date/Time: *2-26-24 16:00*

Received by: (signature) *[Signature]* Date/Time: *2/26/24 16:00*

Relinquished by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Received by: (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

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 \_\_\_\_\_

ANALYSIS REQUESTED

Initial Pressure: \_\_\_\_\_ Final Pressure: \_\_\_\_\_ Lab Receipt Pressure: \_\_\_\_\_

" Hg

Summa canister 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: \_\_\_\_\_

Summa Can ID: *2073* Flow Controller ID: *4367*

Summa Can ID: *1722* Flow Controller ID: *4210*

Summa Can ID: *2202* Flow Controller ID: *4091*

Summa Can ID: *1104* Flow Controller ID: *4201*

Special Requirements

MA MCP Required

MCP Certification Form Required

CT RCP Required

RCP Certification Form Required

Other: \_\_\_\_\_

Project Entity


Government  Municipality  WRTA  MWRA  School  MBTA

Federal  21 J  City  Brownfield

Other:  Chromatogram  AIHA-LAP, LLC  Soxhlet  Non Soxhlet

PCB ONLY



	DC#_Title: ENV-FRM-ELON-0009 v04_Air Sample Receiving Checklist
	Effective Date: 07/13/2023

### Log In Back-Sheet

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy)  
Any False statement will be brought to the attention of the Client – True or False

Client EA Engineering

Project ANDREZ HS

MCP/RCP Required \_\_\_\_\_

Deliverable Package Requirement \_\_\_\_\_

Location Providence, RI

PWSID# (When Applicable) \_\_\_\_\_

Arrival Method Courier

Received By / Date / Time KMC 2/26/24 1600

Back-Sheet By / Date / Time KMC 2/27/24 0925

Temperature Method \_\_\_\_\_ # \_\_\_\_\_

Temp ≤ 6° C  Actual Temperature \_\_\_\_\_

Rush Samples:  Yes / No 3day Notify \_\_\_\_\_

Short Hold: Yes /  No \_\_\_\_\_ Notify \_\_\_\_\_

	True	False
Received on Ice	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Received in Cooler	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Custody Seal: DATE TIME	<input type="checkbox"/>	<input checked="" type="checkbox"/>
COC Relinquished	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COC/Samples Labels Agree	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Samples in Good Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Samples Received within Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there enough Volume	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Proper Media/Container Used	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Individually Certified Cans	<input checked="" type="checkbox"/> (4)	<input type="checkbox"/>
Trip Blanks	<input type="checkbox"/>	<input checked="" type="checkbox"/>
COC Legible	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COC Included: (Check all included)		
Client	<input checked="" type="checkbox"/>	Analysis <input type="checkbox"/>
Project	<input checked="" type="checkbox"/>	IDs <input checked="" type="checkbox"/>
		Sampler Name <input checked="" type="checkbox"/>
		Collection Date/Time <input checked="" type="checkbox"/>

**Notes regarding Samples/COC outside of SOP:**

\_\_\_\_\_

\_\_\_\_\_

Container	#	Size	Regulator	Duration	Accessories			
Summa Cans	4	6L	4	30min	Nut/Ferrule		IC Train	4
Tedlar Bags					Tubing			
TO-17 Tubes					T-Connector		Shipping Charges	
Radiello					Syringe			
Pufs/ TO-11					Tedlar			

Can #'s	5	10	15	Regs #'s	5	10	15
1 2073	6	11	16	1 4367	6	11	16
2 1722	7	12	17	2 4210	7	12	17
3 2202	8	13	18	3 4091	8	13	18
4 1104	9	14	19	4 4201	9	14	19
Unused Media	4	9	14	Pufs/TO-17's	5	10	15
1	5	10	15	1	6	11	16
2	6	11	16	2	7	12	17
3	7	12	17	3	8	13	18
4	8	13	18	4	9	14	19

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## **APPENDIX G**

### **Laboratory MRL Correspondence**

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39 Spruce Street  
East Longmeadow, MA 01089

March 6, 2024

Frank Postma  
EA Engineering Science & Technology  
2350 Post Road  
Warwick, RI 02886  
RE: RIDEM – Approved Action Level – Work Order 23L2265

Dear Mr. Postma:

This letter is in response to the RIDEM – Approved Action Levels provided. Several of the compounds, appear to be beyond the scope of the current methodologies available, as well as, the current analytical instrumentation available for these methods. The following compounds that Con-Test, A Pace Analytical Laboratory had issues meeting the limits are listed below:

Bromodichloromethane  
1,1,2,2-Tetrachloroethane  
1,1,1,2-Tetrachloroethane  
1,2-Dibromoethane

If you have any questions please feel free to call me at (413) 525-2332 ext. 41.

Sincerely,

A handwritten signature in black ink that reads "Tod Kopyscinski".

Tod Kopyscinski  
Laboratory Director



39 Spruce Street  
East Longmeadow, MA 01089

March 6, 2024

Frank Postma  
EA Engineering Science & Technology  
2350 Post Road  
Warwick, RI 02886  
RE: RIDEM – Approved Action Level – Work Order 24A1083

Dear Mr. Postma:

This letter is in response to the RIDEM – Approved Action Levels provided. Several of the compounds, appear to be beyond the scope of the current methodologies available, as well as, the current analytical instrumentation available for these methods. The following compounds that Con-Test, A Pace Analytical Laboratory had issues meeting the limits are listed below:

Bromodichloromethane  
1,1,2,2-Tetrachloroethane  
1,1,1,2-Tetrachloroethane  
1,2-Dibromoethane

If you have any questions please feel free to call me at (413) 525-2332 ext. 41.

Sincerely,

A handwritten signature in black ink that reads "Tod Kopyscinski".

Tod Kopyscinski  
Laboratory Director



39 Spruce Street  
East Longmeadow, MA 01089

March 6, 2024

Frank Postma  
EA Engineering Science & Technology  
2350 Post Road  
Warwick, RI 02886  
RE: RIDEM – Approved Action Level – Work Order 24A2646

Dear Mr. Postma:

This letter is in response to the RIDEM – Approved Action Levels provided. Several of the compounds, appear to be beyond the scope of the current methodologies available, as well as, the current analytical instrumentation available for these methods. The following compounds that Con-Test, A Pace Analytical Laboratory had issues meeting the limits are listed below:

Bromodichloromethane  
1,1,2,2-Tetrachloroethane  
1,1,1,2-Tetrachloroethane  
1,2-Dibromoethane

If you have any questions please feel free to call me at (413) 525-2332 ext. 41.

Sincerely,

A handwritten signature in black ink that reads "Tod Kopyscinski".

Tod Kopyscinski  
Laboratory Director



39 Spruce Street  
East Longmeadow, MA 01089

March 6, 2024

Frank Postma  
EA Engineering Science & Technology  
2350 Post Road  
Warwick, RI 02886  
RE: RIDEM – Approved Action Level – Work Order 24A2681

Dear Mr. Postma:

This letter is in response to the RIDEM – Approved Action Levels provided. Several of the compounds, appear to be beyond the scope of the current methodologies available, as well as, the current analytical instrumentation available for these methods. The following compounds that Con-Test, A Pace Analytical Laboratory had issues meeting the limits are listed below:

Bromodichloromethane  
1,1,2,2-Tetrachloroethane  
1,1,1,2-Tetrachloroethane  
1,2-Dibromoethane

If you have any questions please feel free to call me at (413) 525-2332 ext. 41.

Sincerely,

A handwritten signature in black ink that reads "Tod Kopyscinski".

Tod Kopyscinski  
Laboratory Director