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EA Engineering, Science, and Technology, Inc.

30 September 2014

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. 28*
Alvarez High School, 333 Adelaide Avenue, Providence, Rhode Island
Case No. 2005-029
EA Project No. 15066.01.0002

Dear Mr. Martella:

On behalf of the City of Providence School Department (City), EA Engineering, Science, and Technology, Inc. (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 subslab vapor and indoor air sampling for the period from June 2014 through August 2014.

If you have any questions or require additional information, please contact me at (401) 736-3440, Ext. 1809.

Sincerely,

EA ENGINEERING, SCIENCE,
AND TECHNOLOGY, INC.

Frank B. Postma, LSP, LEP, PG
Project Manager

cc: B. Luger, Prov. Dept. of Public Schools
D. Granlek, Prov. Redevelopment Agency
M. Darigan, Partridge, Snow, & Hahn
J. Pichardo, Senator
Principal Hawkins, Alvarez High School
A. Sepe, Prov. Dept. of Public Property
S. Fischbach, RI Legal Services
R. Dorr, Neighborhood Resident
Rep. Scott Slater
Knight Memorial Library Repository



Quarterly O&M Status Report No. 28

Summarizing Subslab Depressurization and Indoor Air Monitoring and Sampling Activities

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

Prepared for

City of Providence School Department
797 Westminster Street
Providence, Rhode Island 02903

Prepared by

EA Engineering, Science, and Technology, Inc.
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EA Project No. 15066.01.0002
September 2014

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1. INTRODUCTION AND BACKGROUND

On behalf of the City of Providence School Department (the City), EA Engineering, Science, and Technology, Inc. (EA) has prepared this Quarterly Operations and Maintenance (O&M) Status Report No. 28 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 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 subslab 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 subslab 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 3-month period from June 2014 through August 2014 (Quarterly Reporting Period No. 28) and also includes an overall evaluation of volatile organic compound (VOC) concentrations within soil gas as they pertain to a potential rebound effect at the Site. Please refer to Quarterly O&M Status Reports No. 1 through No. 27 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 between March and August 2007.

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

2.1 SSD SYSTEM

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

- Monthly subslab vacuum monitoring at 11 monitoring locations, as illustrated on the As-Built Subslab Monitoring and Sampling Plan provided as Figure 3.
- Monthly inspections and monitoring of 3 rooftop fans (air velocity and vacuum) to verify proper operation.
- Continuous electronic monitoring (with automatic alarm notification via audible signal and phone notification) at each of three SSD system extraction fans to ensure continuous operation.

Vacuum measurements taken at each interior and perimeter subslab monitoring/sampling locations were between -0.01 and -0.22 in. of water column. Negative measurements confirm that a continuous negative pressure has been maintained beneath the building slab.

There were no alarms from the control panel for the indoor methane monitoring system during this monitoring period. However, the methane sensors and control panel were discovered to be nonoperational on 1 August 2014. Historic and current data indicates methane is not a concern at the school and this interruption was not significant. Power was restored to the system on 5 August 2014. Details are further discussed in Section 2.2 below. Inspections of the other system equipment revealed proper system operation. The continuous, verified zone of negative pressure beneath the school's concrete slab, along with the monthly inspections and the operation of continuous subslab depressurization system confirms proper operation of the SSD System during this reporting period. Previously, EA determined that the uninterrupted power supply (UPS) needed to be replaced. EA has scheduled an electrician to replace this component in early fall of 2014.

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

2.2 INDOOR METHANE MONITORING SYSTEM

Indoor methane concentrations were continuously 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 with the

exception of a period where power was lost to the methane sensors (discussed in the following paragraph). In addition, the methane monitoring system was inspected and filters were replaced on 18 June and 27 August 2014. The next filter replacement is scheduled for November 2014.

Upon arrival at Alvarez on 1 August 2014, EA personnel discovered that the eight methane sensors were not supplied with power and therefore not operating. EA also checked the alarm system in the administrative office and found the PS-7000 Channel Controller was not operational. Custodians at Alvarez were notified of the loss of power to the system and they attempted to restore power via breaker boxes in the electrical rooms. The custodians indicated that the power source may have been interrupted by work that was occurring in the school over the summer that had required turning off power to some portions of the building. The subslab vacuum was verified during the monitoring event and rooftop fans were operating.

EA returned to Alvarez on 5 August 2014 and manually reset the PS-7000 Channel Controller which restored power to the system. Since power was lost to the system, the UPS was not functioning correctly. The Channel Controller and methane sensors were inspected after reset and appeared to be functioning properly.

Following this UPS malfunction and those earlier in 2014, EA is coordinating replacement of the UPS by an electrician. The PS-7000 Channel Controller will be recalibrated by the manufacturer (DOD Industries, Inc.) after the installation of a new UPS unit in early fall of 2014.

2.3 AMBIENT OUTDOOR AND INDOOR AIR SAMPLING

One ambient outdoor air sample and eight indoor air samples were collected within the school at RIDEM-approved sampling locations on 1 August 2014 and analyzed for VOCs via Method TO-15 SIM (Selective Ion Monitoring). The ambient outdoor air sample was collected upwind (southeast) of the school. Sampling locations for the indoor and sub-slab air samples are illustrated on Figure 3. The indoor air sampling results were compared to the State of Connecticut's Draft Proposed Indoor Residential Targeted Air Concentrations (CT RTACs) in accordance with the Amended OA. The laboratory method reporting limits (MRLs) for several VOCs reported via TO-15 analysis, even though analyzed via the SIM procedure, were greater than the respective CT RTACs. Please refer to Appendix F for an MRL verification letter from Con-Test Analytical Laboratory (Con-Test) verifying that where MRLs are not able to be met, the RL is the lowest currently achievable. A data summary table and copies of the laboratory data reports associated with this sampling event are provided in Appendix C.

During the sampling event conducted on 1 August 2014, the custodial staff was stripping the floor to prepare for waxing. The central hallway was covered in stripping fluid and two custodial staff were mopping. A trash can full of the liquid was staged near the elevator hallway. The entire school, especially the hallways, smelled of the stripping fluid. The ambient air sample location in the elevator hallway was moved approximately 20 feet down the corridor to the west since the elevator hallway floor was covered in stripping fluid.

The sample collected in room 118 reported a concentration of 1,2-Dichloroethane (1,2-DCA) at $0.100 \mu\text{g}/\text{m}^3$ which is above the CT RTACs and RIDEM amended threshold value of $0.07 \mu\text{g}/\text{m}^3$ and $0.08 \mu\text{g}/\text{m}^3$, respectively. EA believes the exceedances result from an external source and not from a soil vapor pathway. Ambient air concentrations resulting from a soil vapor pathway should be approximately 2,000 times lower than sub-slab air concentrations. However, ambient air concentrations are at levels comparable to the sub-slab air concentrations. Only one sub-slab monitoring point contained 1,2-DCA at a concentration higher than the concentration observed in Room 118 (MP-3 at $0.17 \mu\text{g}/\text{m}^3$). Similar 1,2-DCA concentrations were observed in the previous sampling events (Quarterly Monitoring Reports 22, 23, 24, 25, 26, and 27) and reflect the same findings. EA has investigated the 1,2-DCA levels with RIDEM using collocated samples as reported in Quarterly Monitoring Report No. 24. It was determined that 1,2-DCA levels were not likely from a soil vapor pathway as the concentrations were too low to be responsible for levels found in the air.

The sample from room 118 reported a concentration of methylene chloride (also called dichloromethane) at $4.3 \mu\text{g}/\text{m}^3$. The methylene chloride detection is above the RIDEM amended threshold value of $3.0 \mu\text{g}/\text{m}^3$. All indoor air samples and the ambient outdoor had detections of methylene chloride, with results ranging from $1.3 \mu\text{g}/\text{m}^3$ to $4.3 \mu\text{g}/\text{m}^3$; however, only room 118 had a concentration greater than the threshold value. These concentrations have been reported to the RIDEM and may be further investigated. However, methylene chloride is a common laboratory contaminant and byproduct of many cleaning products, including paint strippers. Use of cleaning products around the school, especially during summer months, is expected and this detection may be attributable to the floor stripping being conducted the day of sampling.

The sample from room 118 also reported a concentration of trichloroethene (TCE) of $1.70 \mu\text{g}/\text{m}^3$, which is greater than the CT RTACs of $1.0 \mu\text{g}/\text{m}^3$. This sample concentration is likely attributable to an external source, based on the presence of TCE in the ambient outdoor air sample at a concentration of $1.10 \mu\text{g}/\text{m}^3$ and no previous sampling results that exhibited concentrations greater than the CT RTACs in the history of sampling. The changes in concentration of this contaminant of concern (COC) will be observed for trends in future sampling events, although high observed concentrations of this COC in the rooftop fan emissions (56 , 51 , and $41 \mu\text{g}/\text{m}^3$ at fans 1, 2, and 3, respectively) may be contributing to ambient outdoor air concentrations of TCE. The possibility of TCE concentrations caused by summa can contamination will be discussed in section 2.6.

Similarly, tetrachloroethene (PCE) was reported in the sample in room 145 at a concentration of $14.0 \mu\text{g}/\text{m}^3$. This concentration is greater than the CT RTACs of $5.0 \mu\text{g}/\text{m}^3$; however, the concentration in room 145 is less than that of the ambient outdoor air sample, which reported a concentration of $15.0 \mu\text{g}/\text{m}^3$. Like TCE, PCE has not been detected at levels over the CT RTACs at the site since sampling was initiated in 2008, and therefore the detection from the 01 August sampling event is likely attributable to an external source, possibly the rooftop fan emissions, which had concentrations of PCE of 24 , 11 , and $100 \mu\text{g}/\text{m}^3$ at fans 1, 2, and 3, respectively. This COC will be observed closely in future sampling to further evaluate trends. As seen on the data table, PCE was detected during both laboratory runs of the sample at different dilutions. Both results are displayed and the highest detected concentration is discussed above as a conservative

estimate of the actual concentration. The possibility of PCE concentrations caused by summa can contamination will be discussed in Section 2.6.

Carbon tetrachloride was detected in the samples from the cafeteria, gymnasium, and the kitchen storage room at concentrations of 0.70, 0.51, and 0.57 $\mu\text{g}/\text{m}^3$, respectively. These concentration of carbon tetrachloride are above the RIDEM amended threshold value of 0.5 $\mu\text{g}/\text{m}^3$. Carbon tetrachloride is a documented background ambient compound for the Site. The compound has consistently been detected in ambient outdoor air and inside the school during every sampling event completed at the Site at concentrations ranging between 0.19 and 0.77 $\mu\text{g}/\text{m}^3$ (the CT RTAC is 0.5 $\mu\text{g}/\text{m}^3$). Similarly, the ambient outdoor and indoor air concentrations of carbon tetrachloride observed during the 01 August 2014 sampling event ranged between 0.41 and 0.70 $\mu\text{g}/\text{m}^3$. Discussions and guidance provided by the Rhode Island Department of Health, RIDEM Office of Waste Management, and RIDEM Office of Air Resources in 2013 resulted in an understanding that these carbon tetrachloride results do not constitute Indoor Air Action Level exceedances for the Site since they are consistent with documented background concentrations (Quarterly Monitoring Report 23).

The samples collected in the cafeteria, gymnasium, kitchen storage room, and elevator hallway reported concentrations of chloroform at 5.10, 1.40, 3.40, and 1.20 $\mu\text{g}/\text{m}^3$, respectively. These concentrations exceed the RIDEM amended threshold value of 0.5 $\mu\text{g}/\text{m}^3$. The ambient outdoor air sample also contained chloroform at a concentration of 6.0 $\mu\text{g}/\text{m}^3$. Chloroform is a common ingredient in, or can form as a byproduct of, cleaning products and some insecticides. Insecticides were being applied in the kitchen storage room from an unlabeled container during the 01 August 2014 sampling event. The detections of chloroform are not believed to be indicative of a soil-vapor intrusion pathway and are most likely attributable to products used inside the building and/or outdoor air. The concentration of chloroform detected in rooftop fan emissions is less than the concentration detected in outdoor ambient air, therefore fan emissions are not the main source of chloroform. These concentrations have been reported to RIDEM and may be further investigated.

The laboratory case narrative from Con-Test Analytical Laboratory for the 01 August 2014 samples documents two potential biases for indoor ambient air samples that were not interpreted to affect results significantly. The two biases were due to laboratory blanks/control sample recovery outside of control limits and were a low bias for the analyte 4-methyl-1-pentanone and a high bias for n-butylbenzene.

No other ambient indoor air samples collected during the April 2014 sampling event contained compounds with concentrations above the CT RTACs or RIDEM approved Action Levels.

2.4 SUBSLAB VAPOR SAMPLING AND EVALUATION OF POTENTIAL VOC REBOUND EFFECT

A total of 11 RIDEM-approved subslab sampling locations are installed at the Site. Five subslab vapor samples were collected on 1 August 2014 and one subslab vapor sample was collected on 27 August 2014 in accordance with a RIDEM-approved (Amended OA) rotating sampling

schedule and analyzed for VOCs via US Environmental Protection Agency (EPA) Method TO-15 SIM. The sample from MP-6 was unable to be collected during the 1 August 2014 sampling event due to water in the monitoring point. EA returned to the site on 15 August 2014 and removed the water from MP-6. However, EA was not able to collect the sample because the summa canister regulator was compromised and ambient air had been introduced into the can. A replacement can was obtained and the sample from MP-6 was collected in conjunction with the August monthly monitoring event on 27 August 2014. The subslab data is summarized in Appendix D, along with copies of the laboratory data reports associated with these sampling events.

The subslab data has been evaluated and there is limited evidence of increasing VOCs (i.e., VOC rebound) beneath the school, specifically of the analytes: chloroethane, chloroform, 1,2-dichlorobenzene, 4-methyl-2-pentanone, styrene, PCE and TCE, which show some of the highest concentrations observed since approximately 2011 in all or some of the sub-slab points that were sampled 01 August 2014 in accordance with the Amended OA. There is also evidence from the rooftop fan data that other sub-slab points (not sampled in 01 August 2014) may have even higher concentrations of VOCs present. A supplementary sampling event requested by RIDEM for September 2014 and the next quarterly sampling event, scheduled for October 2014, will aid in determination of rebound conditions.

2.5 SUMMARY OF ROOFTOP VOC EMISSIONS

The Amended OA requires that rooftop VOC sampling be completed on an annual basis. Rooftop sampling was conducted on 1 August 2014 and is summarized in Appendix D. No exceedances of the RIDEM Air Pollution Control Permit Applicability Thresholds for hourly, daily, or yearly emissions were observed. However, the majority of the documented site COCs were detected in the rooftop fans at similar concentrations or greater than those observed in the sub-slab monitoring points. These results indicate that other sub-slab areas may be contributing higher concentrations to the fan effluent than those points which were sampled in 01 August 2014. The next annual rooftop effluent VOC sampling event is scheduled for July 2015 to accommodate the quarterly sampling schedule.

Previous rooftop effluent sampling rounds conducted in March 2007 (immediately after SSD system startup), June 2007, June 2008, September 2009, July 2010, July 2011, July 2012, and July 2013 indicated compliance with all Air Pollution Control Permit Applicability Thresholds. Tabulation of the data and the rooftop sampling analytical report is provided as Appendix D. 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. Increases in effluent concentrations may require the addition of air treatment systems to the rooftop fans.

2.6 SUMMA CAN CONTAMINATION

Unprecedented concentrations of chlorinated solvents in multiple summa cans led EA to further explore prior uses of the sampling cans in questions. Upon EA request, the laboratory (Con-Test

Analytical Laboratory of East Longmeadow, MA) opened an inquiry into the sample containers and analysis of:

- Outdoor Ambient Air (Con-Test summa can ID 1318),
- Rooftop Fan 1 (Con-Test summa can ID 1845),
- Rooftop Fan 2 (Con-Test summa can ID 1717),
- Rooftop Fan 3 (Con-Test summa can ID 1006),
- Room 118 (Con-Test summa can 1025), and
- Room 145 (Con-Test summa can 1713).

Results of the inquiry were returned to EA on 11 September 2014. Con-Test concluded that three sample cans could have been contaminated with residual impacts from “significant detections” in prior samples collected in that can. The samples that were possibly contaminated include Outdoor Ambient Air, Rooftop Fan 3, and Room 118.

Con-Test also concluded that one sample (Rooftop Fan 2) had been impacted from air infiltration from a laboratory machine that could have contained multiple contaminants. No indication of contamination was found in the Room 145 and Rooftop Fan 1 samples. Correspondence between Con-Test and EA on this matter is attached as Appendix G.

Although the records of other cans utilized in the sampling event (sub-slab points) were not evaluated, it is possible that low-level contamination could have been present in those cans as well. A supplementary sampling event approved by RIDEM for September 2014 and the next quarterly sampling event, scheduled for October 2014, will aid in determination of possible rebound conditions or the likelihood of can contamination in the sub-slab points.

The laboratory cleaning process for summa cans involves cleaning cans by heating, pressurizing, and purging the cans in batches of up to 24 cans. One can per batch is analyzed as a quality control check; all compounds in the TO-15 SIM analysis must be less than 0.2 parts per billion (ppb) or the entire batch is re-cleaned. Prior usage of different cans combined in the same cleaning batch can result in uneven levels of residual contamination, which may or may not be recognized based on which can is chosen for the batch cleaning certification. For an extra fee, each summa canister can be individually analyzed to certify that all compounds are under the 0.2 ppb limit.

2.7 CONCLUSIONS

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

- The consistent negative pressure maintained below the floor slab indicates that soil vapor intrusion into the Alvarez High School is not occurring.

- The continuous operation of the SSD System, even with limited equipment malfunctions, and confirmation of continuous sub-slab vacuum beneath the school illustrates ongoing, effective operation of the SSD System. No soil vapor intrusion pathway exists at the school while the SSD System is operational.
- The replacement of the UPS for the indoor methane monitoring system has been approved and will occur in the early fall of 2014 as well as a recalibration of the sensors.
- An additional sampling event has been approved by RIDEM to aid in characterization of possible rebound in soil vapor and determination of possible laboratory contamination in the summa can from Room 145. One sample will be a confirmation sample for Room 145, as PCE was detected in this location at a concentration of 14.0 $\mu\text{g}/\text{m}^3$ during the 1 August 2014 sampling event. The second sample will be collected from MP-8. MP-8 exhibited an elevated PID reading during the August monitoring event, but was not sampled on 1 August 2014. This sample will be collected to determine if possible rebound conditions are exhibited at MP-8.
- While detections of chlorinated solvents in samples collected from Rooftop Fan 2, Rooftop Fan 3, Ambient Outdoor Air, and Room 118 may be partially or fully attributable to summa can residual contamination and/or laboratory sample contamination; there are still indications that concentrations of COCs are not following a regular trend. The analytical data from the 01 August 2014 sampling event from Rooftop Fan 1 and Room 145 show concentrations of TCE and/or PCE that were higher than those seen historically. The elevated PCE concentration in Room 145 has not been directly correlated to an elevated concentration in soil vapor concentrations so the source of the concentrations is unknown.
- Replacement sampling for the locations where summa can and/or laboratory sample contamination affected sample results is recommended to determine if contamination caused all detections of chlorinated solvents or were additive to concentrations at those locations. The sampling will be integrated into the October quarterly sampling event and will use certified clean summa canisters, as requested by RIDEM. Additionally, RIDEM will be collecting and analyzing duplicate samples at approximately half of the sampling location to confirm accuracy of laboratory equipment and methods.
- The subslab data shows limited evidence of increasing VOCs (i.e., VOC rebound) beneath the school, specifically: chloroethane, chloroform, 1,2dichlorobenzene, 4-methyl-2-pentanone, styrene, PCE and TCE, which show some of the highest concentrations observed since approximately 2011 in all or some of the sub-slab points that were sampled 01 August 2014 in accordance with the Amended OA. There is also evidence from the rooftop fan data that other sub-slab points (not sampled in 01 August 2014) may have even higher concentrations of VOCs present. A supplementary sampling event requested by RIDEM for September 2014 and the next quarterly sampling event, scheduled for October 2014, will aid in determination of rebound conditions.

- The compound 1,2-DCA was detected in exceedance of the CT RTAC and RIDEM amended threshold value in room 152. The compound 1,2-DCA has been reported an exceedance of applicable standards in Quarterly Monitoring Reports No. 22, 23, 24, 25, 26, and 27. RIDEM collected co-located samples with EA in July 2013. Following this event, it was concluded that 1,2-DCA concentrations are likely due to an external source and are not a result of a soil vapor pathway (Quarterly Monitoring Report No. 24).
- Methylene chloride was reported at a concentration which exceeded the RIDEM amended threshold value room 118. These concentrations have been reported to the RIDEM and the may be further investigated. However, methylene chloride is a common laboratory contaminant and byproduct of many cleaning products.
- The samples collected in the cafeteria, gymnasium, kitchen storage room, and elevator hallway reported a concentrations of chloroform at 5.10, 1.40, 3.40, and 1.20 $\mu\text{g}/\text{m}^3$, respectively. These concentrations exceed the RIDEM amended threshold value of 0.5 $\mu\text{g}/\text{m}^3$. The ambient outdoor air sample also contained chloroform at a concentration of 6.0 $\mu\text{g}/\text{m}^3$. Chloroform detections in the sub-slab and rooftop fans ranged from 3.6 to 0.32 $\mu\text{g}/\text{m}^3$, therefore the vapor intrusion pathway is unlikely to have been the source of indoor chloroform concentrations. A more likely source is the outdoor air or possibly the insecticides that were being applied in the kitchen storage room from an unlabeled container during the 01 August 2014 sampling event.

3. 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 ending November 2014:

- Continuous monitoring of the operational status of the three rooftop fans;
- Monthly site inspections and monitoring using a photoionization detector with part-per-billion sensitivity;
- Collection of air samples from eight indoor locations, one ambient location, and six subslab monitoring points in October 2014;
- Installation of a new UPS in the early fall of 2014 as well as a recalibration of the sensors.

These activities will be summarized in the next status report (Quarterly Status Report No. 29), expected to be submitted by the end of December 2014.

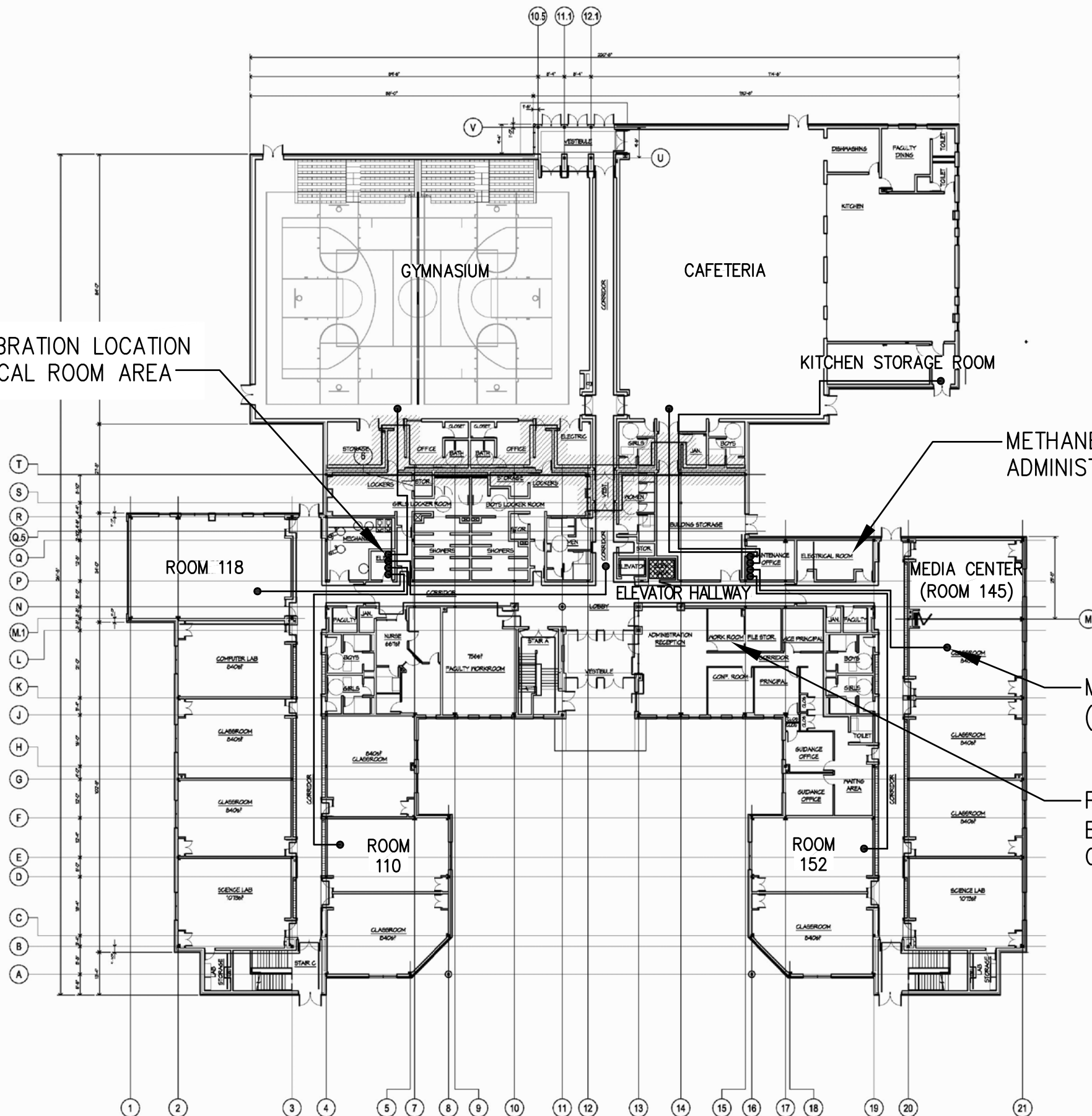
FIGURES



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



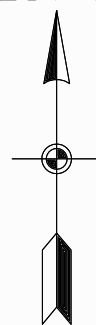
METHANE SENSOR CALIBRATION LOCATION
IN WEST WING; ELECTRICAL ROOM AREA

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



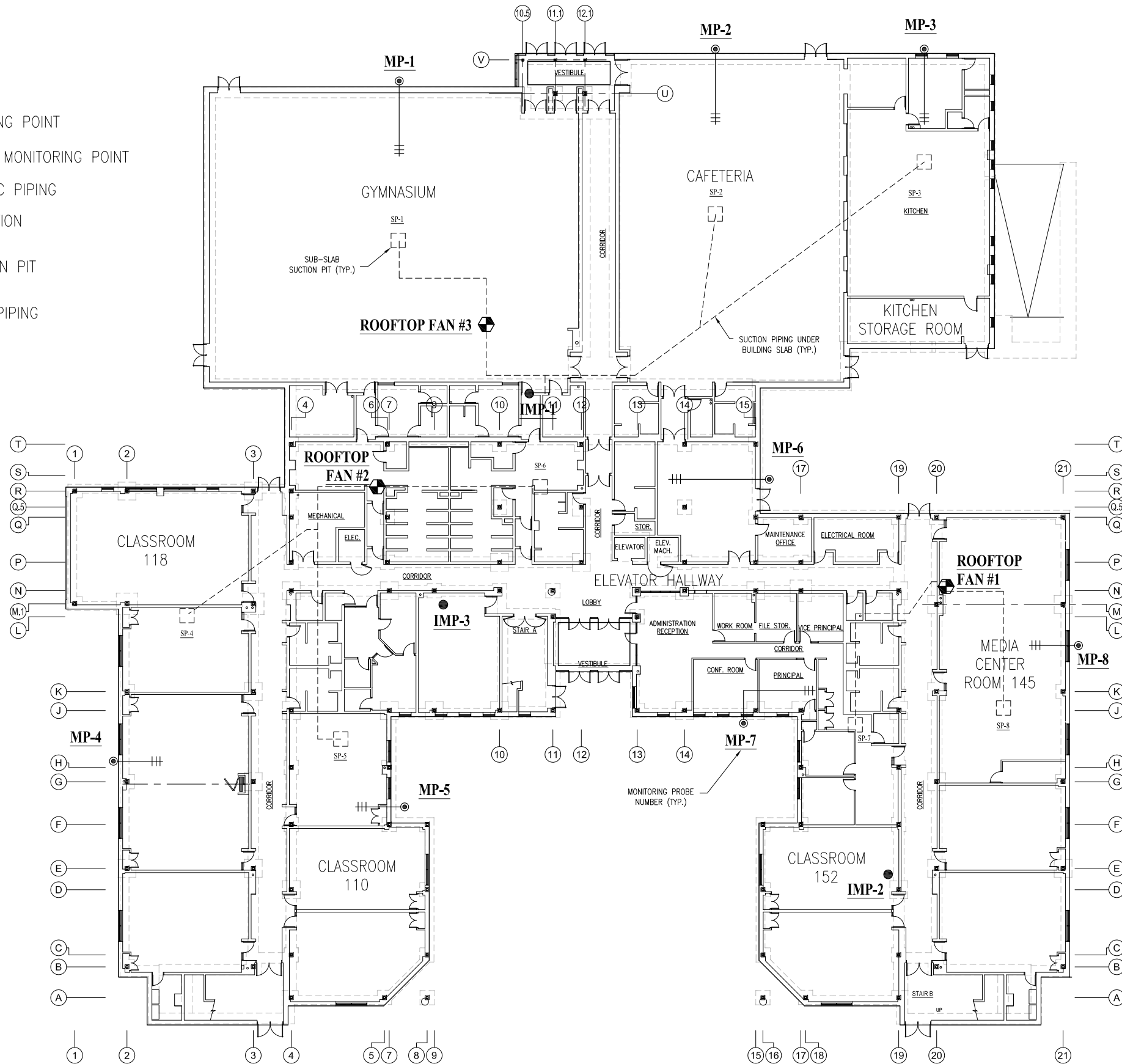
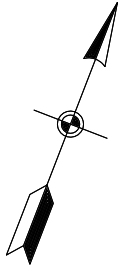
DESIGNED BY RGM	DRAWN BY DPA	DATE OCT. 16, 2013	PROJECT NO. 15066.01	FILE NAME ALVAREZ LAYOUT
CHECKED BY FBP	PROJECT MGR. FBP	SCALE NTS	DRAWING NO. -	FIGURE 2

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
□ SSD SYSTEM SUCTION PIT
- 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

APPENDIX A

O&M Field Forms

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

Date of O&M: 8/27/2014

Performed by: C. Swanson

PID/Methane Calibration? Yes (yes/no)

Date of last Methane Sensor Filter Replacement: 6/18/2014

Replaced this O&M Visit? Y (yes/no)

General Status of SSD System: online and operational

General Status of Methane Monitoring System: online and operational

Eng. Cap/Fence Inspection Performed/Notes: A few small cracks in pavement on back parking lot noted. They may not go all the way through the asphalt.

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 if needed)
			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	0	--	--	--	--	--	--	
Kitchen Storage Room	NA	NA	0	0	0	0	--	--	--	--	--	--	door open to outside during monitoring
Elevator Hallway	NA	NA	0	0	0	0	--	--	--	--	--	--	
Room 145	NA	NA	0	0	0	0	--	--	--	--	--	--	
Room 152	NA	NA	0	0	0	0	--	--	--	--	--	--	
Room 118	NA	NA	0	0	0	0	--	--	--	--	--	--	
Room 110	NA	NA	0	0	0	0	--	--	--	--	--	--	
MP-1	-0.01	NA	0	NA	0	0	--	--	--	--	--	--	
MP-2	-0.05	NA	0	NA	0	0	--	--	--	--	--	--	
MP-3	-0.03	NA	0	NA	0	0	--	--	--	--	--	--	
MP-4	-0.04	NA	0	NA	0	0	--	--	--	--	--	--	
MP-5	-0.07	NA	0	NA	0	0	--	--	--	--	--	--	
MP-6	-0.04	NA	0	NA	0	0	1065	4038	8:53	-30.0	9:06	-6.0	sample not collected in July due to water in MP.
MP-7	-0.03	NA	0	NA	0	0	--	--	--	--	--	--	
MP-8	-0.07	NA	8469	NA	0	0	--	--	--	--	--	--	
IMP-1	-0.03	NA	0	NA	0	0	--	--	--	--	--	--	
IMP-2	-0.03	NA	0	NA	0	0	--	--	--	--	--	--	
IMP-3	-0.01	NA	0	NA	0	0	--	--	--	--	--	--	
Roof-Top Fan 1	-2.00	1806	0	NA	0	0	--	--	--	--	--	--	
Roof-Top Fan 2	-2.00	1739	0	NA	0	0	--	--	--	--	--	--	
Roof-Top Fan 3	-2.30	1860	0	NA	0	0	--	--	--	--	--	--	
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 Form

Date of O&M: 8/1/2014

Performed by: C. Swanson and D. Allen

PID/Methane Calibration? Yes (yes/no)

Date of last Methane Sensor Filter Replacement: 6/18/2014

Replaced this O&M Visit? no (yes/no)

General Status of SSD System: online and operational

General Status of Methane Monitoring System: no power to system, sensors are blank. Custodian says breakers may be off due to maintenance work at the school. Alarm system in office has no power either

Eng. Cap/Fence Inspection Performed/Notes: good

(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 if needed)
			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	1719	4192	11:04	-29.0	11:34	-4.0	No readings on methane sensors
Cafeteria	NA	NA	0	--	0.0	0	1674	4196	11:03	-30.0	11:33	-4.0	No readings on methane sensors
Kitchen Storage Room	NA	NA	27	--	0.0	0	1633	4197	11:01	29.5	11:33	-2.0	No readings on methane sensors. Custodian was using insecticide spray during monitoring.
Elevator Hallway	NA	NA	809	--	0.0	0	1075	4072	11:20	-30.0	11:51	-9.0	No readings on methane sensors. Location of monitoring moved across the hall and 20' down hallway due to floor stripping occurring in center hallway.
Room 145	NA	NA	75	--	0.0	0	1713	4106	11:31	-30.0	12:05	-4.0	No readings on methane sensors
Room 152	NA	NA	790	--	0.0	0	1294	4073	11:40	-30.0	12:14	-3.0	No readings on methane sensors. Room smelled strongly of cleaning products.
Room 118	NA	NA	9	--	0.0	0	1025	4199	12:23	-29.0	12:55	-0.5	No readings on methane sensors
Room 110	NA	NA	112	--	0.0	0	1090	4076	12:26	-29.0	12:56	-4.5	No readings on methane sensors
MP-1	-0.06	NA	555	NA	0.0	0	1034	4090	14:55	-30.0	15:20	-7.0	
MP-2	-0.05	NA	414	NA	0.0	0	--	--	--	--	--	--	
MP-3	-0.05	NA	969	NA	0.0	0	1853	4091	14:48	-30.0	15:17	-7.0	
MP-4	-0.01	NA	NM	NA	0.0	0	1845	4077	15:49	-29.0	16:20	-5.0	PID malfunction, no reading taken
MP-5	-0.06	NA	NM	NA	0.1	0	--	--	--	--	--	--	PID malfunction, no reading taken
MP-6	-0.01	NA	NM	NA	NM	NM	--	--	--	--	--	--	Water in monitoring point, no samples taken. MP-6 sampled in conjunction with August event.
MP-7	-0.14	NA	NM	NA	0.1	0	--	--	--	--	--	--	PID malfunction, no reading taken
MP-8	-0.11	NA	244	NA	0.0	0	--	--	--	--	--	--	
IMP-1	-0.01	NA	790	NA	0.0	0	1020	4195	12:44	-30.0	13:15	-4.0	
IMP-2	-0.03	NA	5708	NA	0.0	0	1172	4194	12:14	-29.0	12:45	-2.5	MP was full of stripping liquid when opened. Liquid was removed and MP dried with paper towels prior to sampling.
IMP-3	0.02	NA	1751	NA	0.0	0	--	--	--	--	--	--	
Roof-Top Fan 1	-2.20	721	123	NA	0.0	0	1845	4181	13:41	-29.0	14:13	-3.8	
Roof-Top Fan 2	-2.00	588	125	NA	0.0	0	1717	4180	13:32	-30.0	14:04	-5.0	
Roof-Top Fan 3	-2.30	2250	207	NA	0.0	0	1006	4193	11:17	-30.0	11:50	-4.0	
Ambient Outdoor Air	NA	NA	0	NA	0	0	1318	4105	15:00	-30.0	15:37	-4.0	Set up upwind of building (wind from SE)

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 Form

Date of O&M: 6/18/2014

Performed by: H Hunter

PID/Methane Calibration? Yes (yes/no)

Date of last Methane Sensor Filter Replacement: 3/26/2014

Replaced this O&M Visit? Yes (yes/no)

General Status of SSD System: online and operational

General Status of Methane Monitoring System: online and operational

Eng. Cap/Fence Inspection Performed/Notes: observed in good condition, crack in floor near IMP-1

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 if needed)
			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	0	--	--	--	--	--	--	
Kitchen Storage Room	NA	NA	0	0	0	0	--	--	--	--	--	--	
Elevator Hallway	NA	NA	0	0	0	0	--	--	--	--	--	--	
Room 145	NA	NA	0	0	0	0	--	--	--	--	--	--	
Room 152	NA	NA	0	0	0	0	--	--	--	--	--	--	
Room 118	NA	NA	0	0	0	0	--	--	--	--	--	--	
Room 110	NA	NA	0	0	0	0	--	--	--	--	--	--	
MP-1	-0.21	NA	0	NA	0	0	--	--	--	--	--	--	
MP-2	-0.22	NA	0	NA	0	0	--	--	--	--	--	--	
MP-3	-0.18	NA	0	NA	0	0	--	--	--	--	--	--	
MP-4	-0.10	NA	0	NA	0	0	--	--	--	--	--	--	
MP-5	-0.06	NA	0	NA	0	0	--	--	--	--	--	--	
MP-6	-0.17	NA	0	NA	0	0	--	--	--	--	--	--	
MP-7	-0.08	NA	0	NA	0	0	--	--	--	--	--	--	
MP-8	-0.15	NA	0	NA	0	0	--	--	--	--	--	--	
IMP-1	-0.05	NA	0	NA	0	0	--	--	--	--	--	--	
IMP-2	-0.02	NA	0	NA	0	0	--	--	--	--	--	--	
IMP-3	-0.02	NA	0	NA	0	0	--	--	--	--	--	--	
Roof-Top Fan 1	-2.00	2148	0	NA	0	0	--	--	--	--	--	--	
Roof-Top Fan 2	-2.40	2348	224	NA	0	0	--	--	--	--	--	--	
Roof-Top Fan 3	-2.60	2214	569	NA	0	0	--	--	--	--	--	--	
AOA-1	NA	NA	0	NA	0	0	--	--	--	--	--	--	
AOA-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
AOA-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

NA: not applicable.
 NM: not monitored on this date.
 NS : not sampled on this date.
 AOA: Ambient Outdoor Air
 * 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

APPENDIX B

Indoor and Ambient Outdoor Air Analytical Summary

Table 1: Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2014

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/Interim RIEM-Approved Action Level	Kitchen Storage Rm		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Ctr (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)		AOA-2	AOA-3	
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
Acetone	8-Feb-08		20.200		8.240		4.750		4.750		6.870		8.060		4.750		4.780							4.750			
	27-Mar-08		576.000		186.000		108.000		89.900		24.700		38.300		76.700		47.400							5.870			
	25-Apr-08		61.700		12.900		19.000		15.100		14.800		18.600		12.500		17.100							6.670			
	29-May-08		19.500		16.200		12.800		16.200		10.900		17.200		13.200		11.600							7.480			
	27-Jun-08		87.900		20.000		20.500		27.700		28.900		29.000		26.000		29.800							19.700			
	31-Jul-08		32.200		17.200		7.500		16.300		15.800		23.800		18.600		20.800							23.500			
	28-Aug-08		33.100		21.100		21.500		25.800		27.000		32.400		29.100		23.800							37.000			
	30-Sep-08		39.400		10.400		7.600		11.200		44.800		29.900		19.600		55.600							6.800			
	27-Oct-08		56.200		23.100		14.900		24.100		15.900		26.500		34.300		25.100							109.000			
	25-Nov-08		21.300		8.200		5.300		14.000		15.600		9.700		6.500		10.000							7.000			
	18-Dec-08		39.300		16.900		21.500		23.100		41.900		22.000		28.800		40.000							7.000			
	21-Jan-09		5.300		2.400		2.400		3.600		5.600		5.000		3.300		4.000							2.400			
	25-Feb-09		2.400	U	2.300		NS		NS		NS		NS		3.800		2.400							2.400	U		
	26-Mar-09		34.400		10.700		8.820		11.300		13.800		12.000		10.500		12.000							9.680			
	29-Apr-09		4.750	U	5.700		7.230		8.240		19.200		9.420		7.570		9.610							7.700			
	22-Jul-09		2.370	U	13.100		18.700		11.700		28.900		29.400		17.100		19.400							11.000			
	9-Oct-09		19.500		10.100		9.220		11.000		15.500		12.000		10.600		11.600							8.570			
	15-Jan-10		11.900		8.160		5.080		6.700		7.320		5.260		8.110		6.190							8.570			
	21-Apr-10		26.700		22.000		23.200		23.200		19.300		19.900		21.800		20.500							4.960			
	16-Jul-10		28.200		13.800		16.500		16.100		36.900		24.900		40.700		14.300							14.300			
	15-Oct-10	180.0		32.700		8.180		4.750		11.500	U	7.360		6.010		5.530		6.690						7.630			
	30-Nov-10		NS		13.200		13.000		NS		NS		NS		6.460		NS							NS			
	26-Jan-11		28.500		14.900		11.600		13.500		33.200		12.600		24.000		9.850							21.500	15.900		
	26-Jan-11**		NS		17.000		15.000		NS		NS		NS		12.000		NS							NS			
	27-Apr-11		6.820		12.800		11.300		14.700		14.600		7.550		12.300		5.600							NS			
	26-Jul-11		51.800		48.000		22.800		82.200		28.700		7.170		25.400		39.400							8.840			
	28-Oct-11		17.200		7.400		11.000		7.900		11.000		13.000		7.400		15.000							8.400			
	23-Jan-12		15.000		15.000		18.000		18.000		10.000		37.000		19.000		18.000							13.000			
	13-Apr-12		11.000		16.000		11.000		11.000		11.000		21.000		9.100		19.000							24.000			
	2-Jul-12 resample		NS		NS		NS		NS		NS		NS		NS		9.100						21.000				
	20-Jun-12		19.000		22.000		17.000		21.000		20.000		15.000		15.000		22.000							11.000			
1-Nov-12		12.000		11.000		9.500		16.000		8.300		12.000		13.000		9.000							11.000				
1-Feb-13		16.000		15.000		12.000		14.000		9.100		39.000		16.000		18.000							8.200				
29-Apr-13		26.000		23.000		22.000		21.000		21.000		32.000		27.000		35.000							18.000				
9-Jul-13		25.000		25.000		22.000		24.000		41.000		28.000		35.000		32.000							24.000				
9-Jul-13 RIEM		NS		NS		NS		NS		18.827		NS		NS		NS						11.710					
18-Oct-13		34.000		32.000		30.000		42.000		29.000		29.000		46.000		34.000							20.000				
9-Jan-14		8.900		19.000		16.000		20.000		21.000		24.000		27.000		45.000							8.300				
24-Apr-14		19.000		12.000		17.000		12.000		17.000 ^H		12.000		16.000		76.000 ^H							6.100				
1-Aug-14		35.000 ^H		12.000		29.000 ^H		37.000 ^H		43.000 ^H		38.000 ^H		81.000/62.000 ^H		35.000 ^H							27.000 ^H				
Acrylonitrile	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			
	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			
	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			
	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			
	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			
	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			
	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			
	29-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	NS		2.200	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			
	29-Apr-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			
	22-Jul-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			
	9-Oct-09		1.080	U	1.080																						

Table 1: Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2014

Volatile Organic Compounds via TO-15	Sample Date	CT Dalt Proposed Indoor Residential Target Air Concentrations/Interim RIDEM-Approved Action Level	Kitchen Storage Rm		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Ctr (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)		AOA-2	AOA-3		
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	
Chlorobenzene	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	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	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	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	0.090	U	0.090	U		
	27-Jun-08		0.092	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	0.092	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	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	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	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	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	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	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	2.300	U	2.300	U		
	25-Feb-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	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	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	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	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	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	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	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	0.092	U	0.092	U		
	15-Oct-10	37.0	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	0.092	U	0.092	U		
	30-Nov-10		NS		0.092	U	0.092	U	NS		NS		NS		NS		NS		NS		NS		NS		NS			
	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	0.156	U	0.156	U	0.156	U	0.156	U		
	26-Jan-11**		NS		0.230	U	0.230	U	NS		NS		NS		0.230	U	NS		NS		NS		NS		NS			
	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	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	0.092	U	0.092	U		
	28-Oct-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	0.092	U	0.092	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	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	0.140	U	0.140	U		
	2-Jul-12 resample		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS			
	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	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	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	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	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	0.092	U	0.092	U			
9-Jul-13 RIDEM		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS				
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	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	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	0.046	U	0.046	U			
1-Aug-14		0.092	U	0.092	U	0.092	U	0.140	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			
Chloroethane	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	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	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	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	0.050	U	0.050	U		
	27-Jun-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	0.053	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	0.053	U	0.053	U		
	26-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	0.053	U	0.053	U		
	29-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	1.300	U	1.300	U		
	27-Oct-08		1.300	U	1.300	U	1.300																					

Table 1: Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2014

Volatile Organic Compounds via TO-15	Sample Date	CT Dalt Proposed Indoor Residential Target Air Concentrations/Interim RIDEM-Approved Action Level	Kitchen Storage Rm		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Ctr (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)		AOA-2	AOA-3		
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	
Chloromethane	8-Feb-08		2.440	U	2.440	U	2.440	U	2.440	U	2.440	U	2.460	U	2.440	U	2.440	U	2.440	U				2.440	U			
	27-Mar-08		2.830	U	3.070	U	2.830	U	2.440	U	2.830	U	2.440	U	2.440	U	2.440	U	2.440	U				2.440	U			
	25-Apr-08		2.820	U	2.440	U	2.440	U	2.440	U	2.440	U	2.440	U	2.440	U	2.440	U	2.440	U				2.440	U			
	29-May-08		2.790	U	3.000	U	11.000	U	2.940	U	2.940	U	3.000	U	2.440	U	2.440	U	2.440	U				2.440	U			
	27-Jun-08		2.650	U	2.440	U	2.440	U	2.830	U	3.260	U	2.620	U	2.440	U	2.440	U	2.500	U				2.440	U			
	31-Jul-08		3.580	U	3.380	U	3.330	U	4.370	U	3.440	U	3.740	U	2.440	U	2.440	U	2.440	U				2.440	U			
	28-Aug-08		2.440	U	3.140	U	5.310	U	6.880	U	3.150	U	2.440	U	2.440	U	2.440	U	2.540	U				2.440	U			
	30-Sep-08		1.400	U	1.300	U	1.100	U	1.400	U	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	1.000	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	1.400	U	1.100	U				1.200	U			
	25-Feb-09		1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	1.100	U				1.300	U			
	26-Mar-09		2.490	U	2.680	U	2.550	U	2.920	U	2.910	U	2.440	U	2.440	U	2.440	U	2.440	U				2.440	U			
	29-Apr-09		2.710	U	2.910	U	3.600	U	3.730	U	3.130	U	2.660	U	3.390	U	2.960	U	2.960	U				2.510	U			
	22-Jul-09		2.670	U	2.520	U	2.660	U	2.540	U	2.440	U	2.780	U	3.390	U	3.320	U	3.320	U				2.440	U			
	9-Oct-09		3.450	U	2.740	U	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	U	3.690	U	2.820	U	3.180	U	3.240	U	3.630	U	3.120	U	3.750	U	2.600	U				2.600	U			
	21-Apr-10		2.550	U	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	U	1.660	U	1.050	U	1.096	U	1.096	U	1.110	U	1.300	U	1.100	U	1.100	U				1.510	U			
	15-Oct-10	14.0	1.080	U	1.080	U	1.030	U	1.050	U	1.030	U	1.030	U	1.030	U	1.030	U	1.030	U				1.030	U			
	30-Nov-10		NS	U	1.030	U	1.030	U	NS	U	NS	U	NS	U	1.030	U	NS	U	NS	U				NS	U			
	26-Jan-11		1.760	U	1.760	U	1.760	U	1.760	U	1.760	U	1.760	U	1.760	U	1.760	U	1.760	U	1.750	U	1.760	U	1.750	U		
	26-Jan-11**		NS	U	1.100	U	1.000	U	NS	U	NS	U	NS	U	1.000	U	NS	U	NS	U				NS	U			
	27-Apr-11		1.050	U	1.660	U	1.400	U	2.160	U	1.440	U	1.510	U	1.740	U	1.460	U	1.270	U				1.460	U			
	26-Jul-11		1.160	U	1.600	U	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	U	1.300	U	1.500	U	1.500	U	1.500	U	1.500	U	1.500	U	1.500	U	1.500	U				1.300	U			
	23-Jan-12		1.300	U	1.100	U	1.100	U	1.200	U	1.400	U	1.900	U	1.400	U	1.500	U	1.500	U				1.100	U			
	13-Apr-12		1.300	U	1.400	U	1.400	U	1.500	U	1.100	U	1.000	U	1.000	U	1.200	U	0.840	U				0.840	U			
	2-Jul-12 resample		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	1.500	U				1.100	U			
	20-Jun-12		1.700	U	0.041	U	0.041	U	0.041	U	0.041	U	0.041	U	1.500	U	0.041	U	1.300	U				1.300	U			
	1-Nov-12		1.100	U	0.910	U	1.000	U	1.000	U	1.000	U	1.200	U	1.100	U	0.990	U	0.990	U				0.990	U			
1-Feb-13		1.200	U	1.300	U	1.200	U	1.200	U	1.200	U	1.400	U	1.300	U	1.100	U	1.100	U				1.100	U				
29-Apr-13		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				
9-Jul-13		1.100	U	1.100	U	0.900	U	1.100	U	2.200	U	1.000	U	0.980	U	1.100	U	1.000	U				1.000	U				
9-Jul-13 RIDEM		NS	U	NS	U	NS	U	NS	U	1.142	U	NS	U	NS	U	NS	U	NS	U				1.164	U				
18-Oct-13		0.880	U	1.100	U	1.200	U	1.100	U	1.200	U	1.300	U	1.300	U	1.100	U	1.100	U				1.100	U				
9-Jan-14		0.900	U	0.950	U	1.000	U	1.100	U	1.000	U	1.100	U	1.100	U	1.200	U	1.200	U				1.100	U				
24-Apr-14		1.100	U	1.300	U	1.100	U	1.100	U	1.100	U	1.400	U	1.400	U	1.600	U	0.940	U				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				
Dibromochloromethane	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	0.096	U	0.096	U	0.308	U	0.096	U	0.096	U				0.100	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			
	29-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			

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Volatile Organic Compounds via TO-15	Sample Date	CT Dalt Proposed Indoor Residential Target Air Concentrations/Interim RIDEM-Approved Action Level	Kitchen Storage Rm		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Ctr (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)		AOA-2	AOA-3			
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual		
Dichlorofluoromethane	8-Feb-08		1.860		1.860		1.980		1.890		1.830		1.940		1.980		1.890		2.020										
	27-Mar-08		2.420		2.420		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		2.930		1.970		1.970		1.970		1.910		1.920		1.920		1.920		1.950										
	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		2.500		2.500		2.900		2.800		2.500		2.500										
	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									
	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									
	18-Dec-08		2.700	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	3.000	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									
	26-Mar-09		2.220		2.190		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		2.540		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		2.580		2.460		2.550		2.480		2.740										
	15-Oct-10	91.0	2.220		2.410		2.560		2.470		2.400		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		2.640		2.340		2.660		2.150		2.580		2.370		2.370		2.440		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		2.220		2.220		2.210		2.460										
	26-Jul-11		2.290		2.270		2.270		2.360		2.260		2.340		2.250		2.260		2.350										
	28-Oct-11		2.700		2.400		2.600		2.400		2.600		2.400		2.600		2.600		2.500										
	23-Jan-12		1.700		1.800		1.600		1.500		2.000		1.800		2.000		1.900		2.000										
	13-Apr-12		2.100		2.100		2.000		2.000		1.800		1.900		1.700		1.300		1.300										
	2-Jul-12 resample		NS		NS		NS		NS		NS		NS		NS		2.700		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		2.200		2.000		2.100		2.000		2.100		2.000											
1-Feb-13		1.600		1.600		1.600		1.600		1.600		1.600		1.600		1.700		1.600											
29-Apr-13		2.400		2.600		2.400		2.400		2.400		2.400		2.400		2.400		2.400											
9-Jul-13		0.950		0.930		0.980		0.980		1.000		0.980		1.000		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											
1,1-Dichloroethane	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											
	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											
	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											
	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											
	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											
	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											
	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											
	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											
	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											
	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											
	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											
	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											
	25-Feb-09		2.000	U	2.000	U	2.000	U	NS		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											
	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											
	23-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											
	9-Oct-09		0.081	U	0.081	U	0.081	U	0.081	U	0.081</																		

Table 1: Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2014

Volatile Organic Compounds via TO-15	Sample Date	CT Dalt Proposed Indoor Residential Target Air Concentrations/Interim RIDEM-Approved Action Level	Kitchen Storage Rm		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Ctr (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)		AOA-2	AOA-3		
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
Styrene	8-Feb-08		0.710		0.130		0.090		0.090		0.090		0.090		0.090		0.090		0.090					0.090				
	27-Mar-08		1.200		0.118		0.120		0.165		0.140		0.175		0.114		0.139		0.114					0.085				
	25-Apr-08		0.856		0.156		0.180		0.184		0.137		0.137		0.158		0.124		0.124					0.085				
	29-May-08		0.550		0.085	U	0.130		0.260		0.090	U	0.110		0.090		0.090		0.090	U				0.090				
	27-Jun-08		1.830		0.085	U	0.112		0.186		0.191		0.085	U	0.481		0.090		0.090	U				0.085				
	31-Jul-08		1.890		0.254		0.153		0.260		0.285		0.260		0.109		0.080		0.080					0.085				
	28-Aug-08		0.654		0.368		0.262		0.392		0.203		0.165		0.169		0.140		0.140					0.108				
	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				2.100				
	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				2.100				
	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				2.100				
	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				2.100				
	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				2.100				
	25-Feb-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				2.100				
	26-Mar-09		0.814		0.113		0.110		0.110		0.125		0.111		0.128		0.138		0.138					0.122				
	29-Apr-09		0.515		0.085	U	0.136		0.085	U	0.136		0.085	U	0.085	U	0.085	U	0.085	U				0.085				
	22-Jul-09		1.280		0.085	U	0.153		0.085	U	0.285		0.272		0.213		0.217		0.217					0.187				
	9-Oct-09		0.838		0.153		0.149		0.174		0.566		0.179		0.140		0.149		0.149					0.140				
	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				0.085				
	21-Apr-10		0.281		0.204		0.289		0.187		0.328		0.174		0.145		0.140		0.140					0.085				
	16-Jun-10		0.702		0.085	U	0.085		0.085	U	0.779		0.085	U	0.085	U	0.085	U	0.085	U				0.085				
	15-Oct-10		52.0		0.549		0.085	U	0.085	U	0.085	U	0.805	U	0.085	U	0.085	U	0.085	U				0.085				
	30-Nov-10				NS		0.149		0.119		NS		NS		NS		NS		NS					NS				
	26-Jan-11				0.327		0.174		0.217		0.182		0.202		0.145	U	0.182		0.182		0.174			0.188				
	26-Jan-11**				NS		0.510		0.370		NS		NS		NS		NS		NS					NS				
	27-Apr-11				0.166		0.170		0.192		0.277		0.085	U	0.145		0.085	U	0.085	U				NS				
	26-Jul-11				0.677		2.460		0.132		11.700		0.315		1.320		0.200		0.085	U				0.085				
	28-Oct-11				0.130	U	0.130		0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U				0.130				
	23-Jan-12				0.820		0.250		0.410		0.480		0.510		0.150		0.150		0.150					0.150				
	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				
	2-Jul-12 resample				NS		NS		NS		NS		NS		NS		NS		NS					0.130				
	20-Jun-12				0.720		0.300		0.240		1.200		0.430		0.150		0.085	U	0.200					0.200				
	1-Nov-12				0.280		0.130		0.085	U	0.130		0.150		0.160		0.180		0.160					0.085				
	1-Feb-13				0.870		0.085	U	0.085	U	0.085	U	0.095		0.085	U	0.085	U	0.085	U				0.085				
	29-Apr-13				1.600		0.230		0.230		0.740		0.520		0.210		0.520		0.520					0.085				
9-Jul-13				0.410		0.120		0.085	U	0.140		0.085	U	0.110		0.085	U	0.110					0.085					
9-Jul-13 RIDEM				NS		NS		NS		NS		NS		NS		NS		NS					0.039					
18-Oct-13				0.200		0.085	U	0.130		0.085	U	0.110		0.340		0.290		0.290					0.130					
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					
24-Apr-14				1.100		0.085	U	0.085	U	0.085	U	0.085	U	0.160		4.500		0.085	U				0.085					
1-Aug-14				0.880		0.260		0.260		0.210		0.560		0.350		0.680		0.430					0.085					
1,1,2,2-Tetrachloroethane	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				
	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				
	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				
	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				
	27-Jun-08		0.137	U	0.140	U	0.140	U	0.137	U	0.140	U	0.140	U	0.179		0.140	U	0.140	U				0.140				
	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				
	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				
	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				
	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				
	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				
	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				
	21-Jan-09		0.140	U	0.140	U	5.000		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U				0.140				
	25-Feb-09		0.140	U	0.140	U	0.320		NS		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U				0.140				
	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				

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February 2008 - July 2014

Volatile Organic Compounds via TO-15	Sample Date	CT Dalt Proposed Indoor Residential Target Air Concentrations/Interim RIDEM-Approved Action Level	Kitchen Storage Rm		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Ctr (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)		AOA-2	AOA-3		
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
Tetrachloroethene*	8-Feb-08		0.140		0.140	U	0.140	U	0.150		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U				0.350				
	27-Mar-08		12.500		6.680		13.300		16.100		26.000		7.730		23.300		0.460		4.310					0.153				
	25-Apr-08		0.180		0.254		0.179		0.282		0.231		0.276		0.228		0.228		0.298					0.136	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		0.249		0.449		0.397		0.459		0.424		0.243		0.460		0.460		0.246					0.216				
	31-Jul-08		1.030		1.000		0.877		0.980		0.795		0.882		0.252		0.252		0.287					0.154				
	28-Aug-08		0.321		0.367		0.283		0.323		0.274		0.434		0.294		0.294		0.282					0.445				
	30-Sep-08		3.400	U	3.400	U	3.400	U	3.400	U	3.400	U	3.400	U	3.400	U	3.400	U	3.400	U				3.400	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		3.400	U	3.400	U	3.400	U	3.400	U	3.400	U	3.400	U	3.400	U	3.400	U	3.400	U				3.400	U			
	18-Dec-08		3.400	U	3.400	U	3.400	U	3.400	U	3.400	U	3.400	U	3.400	U	3.400	U	3.400	U				3.400	U			
	21-Jan-09		3.400	U	3.400	U	3.400	U	3.400	U	3.400	U	3.400	U	3.400	U	3.400	U	3.400	U				3.400	U			
	25-Feb-09		3.400	U	3.400	U	3.400	U	3.400	U	3.400	U	3.400	U	3.400	U	3.400	U	3.400	U				3.400	U			
	26-Mar-09		1.530		1.210		1.170		0.980		1.080		1.320		1.420		1.420		1.890					1.380				
	29-Apr-09		0.136	U	0.136	U	0.697		0.136	U	0.136	U	0.136	U	0.136	U	0.136	U	0.136	U				0.136	U			
	22-Jul-09		0.291		0.190		0.224		0.196		0.196		0.196		0.183		0.183		0.210					0.535				
	9-Oct-09		2.250		1.550		1.580		1.580		1.380		1.700		2.080		2.080		1.960					0.779				
	15-Jan-10		0.359		0.346		0.339		0.312		0.312		3.460		0.346		0.346		2.450					0.312				
	21-Apr-10		0.637		0.752		0.440		0.650		0.508		0.447		0.407		0.407		0.474					0.562				
	16-Jul-10		0.379		0.420		0.400		0.427		0.427		0.501		0.230		0.447		0.474					0.230				
	15-Oct-10	5.0		0.136	U	0.136	U	0.136	U	0.136	U	0.136	U	0.136	U	0.136	U	0.136	U				0.136	U				
	30-Nov-10			NS		0.461		0.291		NS		NS		NS		0.169		NS		NS				NS				
	26-Jan-11			0.636		0.484		0.370		0.566		0.440		0.725		0.346		0.578		0.428		0.472		0.428				
	26-Jan-11**			NS		0.580		0.490		NS		NS		NS		0.480		NS		NS				NS				
	27-Apr-11			0.142		0.176		0.176		0.352		0.176		0.136	U	0.149		0.136	U	0.285				NS				
	26-Jul-11			0.529		0.563		0.522		0.631		0.549		0.325		0.739		0.461		0.224				0.224				
	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			0.140	U			
	23-Jan-12			0.240	U	0.240	U	0.240	U	0.590	U	0.320	U	0.510	U	0.260	U	0.410	U	0.260	U			0.260	U			
	13-Apr-12			0.150		0.110		0.120		0.250		0.150		0.160		0.190		0.190		0.140				0.140	U			
	2-Jul-12 resample			NS		NS		NS		NS		NS		NS		NS		NS		0.190				0.130				
	20-Jun-12			0.390		0.800		0.310		0.370		0.390		0.400		0.410		0.440		0.240				0.240				
	1-Nov-12			0.360		0.460		0.400		0.730		0.470		0.770		0.600		0.560		0.120				0.120				
	1-Feb-13			0.130		0.095		0.073		0.120		0.090		0.210		0.440		0.092		0.140				0.140				
	29-Apr-13			0.010		0.560		0.630		0.630		0.260		0.046		0.650		0.520		0.320				0.320				
	9-Jul-13			0.270		0.240		0.230		0.240		0.240		0.440		0.280		0.280		0.280				0.280				
9-Jul-13 RIDEM			NS		NS		NS		NS		NS		NS		NS		NS		0.281				0.281	U		0.28	0.35	
18-Oct-13			0.140	U	0.140	U	0.150		0.140		0.180		0.210		0.170		0.140		0.140				0.140	U				
9-Jan-14			0.140		0.190		0.140		0.160		0.190		0.190		0.160		0.520		0.190				0.190	U				
24-Apr-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				
1-Aug-14			0.590		0.510		0.240		0.970		3.800		3.800		10.000/14.000		0.810		15.000				15.000	U				
Toluene	8-Feb-08		1.240		1.140		1.120		1.150		1.240		0.990		0.910		1.030		1.480				1.480					
	27-Mar-08		6.470		4.040		4.520		4.150		5.920		5.570		4.210		4.040		1.560				1.560					
	25-Apr-08		4.800		2.810		3.900		2.810		3.790		4.070		4.010		3.660		0.465				0.465					
	29-May-08		0.930		0.790		1.630		1.330		0.870		1.060		1.020		0.670		0.320					0.320				
	27-Jun-08		3.870		3.060		3.200		3.850		4.110		3.840		4.520		3.020		2.410					2.410				
	31-Jul-08		2.760		2.020		2.690		1.990		2.720		2.200		1.680		1.440		1.850					1.850				
	28-Aug-08		5.230		5.960		7.800		7.530		5.920		5.640		5.880		5.240		6.050					6.050				
	30-Sep-08		1.900	U	1.900	U	2.500		1.900	U	2.900	U	1.900	U	1.900	U	2.300	U	1.900	U				1.900	U			
	27-Oct-08		6.700		6.300		3.500		6.100		2.300		5.500	U	3.800		6.600		8.400					8.400				
	25-Nov-08		5.500		1.900	U	1.900	U	1.900	U	1.900	U	1.900	U	1.900	U	1.900	U	1.900	U				1.900	U			
	18-Dec-08		1.900	U	1.900	U	1.900	U	1.900	U	1.900	U	1.900	U	1.900	U	1.900	U	1.900	U				1.900	U			
	21-Jan-09		1.900	U	1.900	U	1.900	U	1.900	U	1.900	U	1.900	U	1.900	U	1.900	U	1.900	U				1.900	U			
	25-Feb-09		1.900	U	1.900	U	1.900	U	1.900	U	1.900	U	1.900	U	1.900	U	1.900	U	1.900	U				1.900	U			
	26-Mar-09		6.110		4.060		3.990		3.540		3.900		4.730		5.870		6.080		5.310					5.310				
	29-Apr-09		0.079		0.079																							

Table 1: Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2014

Volatile Organic Compounds via TO-15	Sample Date	CT Dalt Proposed Indoor Residential Target Air Concentrations/Interim RIEM-Approved Action Level	Kitchen Storage Rm		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Ctr (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)		AOA-2	AOA-3	
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
1,1,2-Trichloroethane	8-Feb-08		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			
	27-Mar-08		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U			0.109	U			
	25-Apr-08		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U			0.109	U			
	29-May-08		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			
	27-Jun-08		0.109	U	0.109	U	0.109	U	0.110	U	0.110	U	0.110	U	0.302	U	0.109	U	0.109	U			0.110	U			
	31-Jul-08		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U			0.109	U			
	28-Aug-08		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U			0.109	U			
	30-Sep-08		0.110	U	0.110	U	0.300	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U			0.110	U			
	27-Oct-08		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			
	25-Nov-08		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			
	18-Dec-08		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			
	21-Jan-09		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			
	25-Feb-09		0.110	U	0.110	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U			0.110	U			
	26-Mar-09		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U			0.109	U			
	29-Apr-09		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U			0.109	U			
	22-Jul-09		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U			0.109	U			
	9-Oct-09		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U			0.109	U			
	15-Jan-10		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U			0.109	U			
	21-Apr-10		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U			0.109	U			
	15-Jul-10		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U			0.109	U			
	15-Oct-10	2.2	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U			0.109	U			
	30-Nov-10		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U			NS	U			
	26-Jan-11		0.186	U	0.186	U	0.186	U	0.186	U	0.186	U	0.186	U	0.186	U	0.186	U	0.186	U	0.185	U	0.186	U	0.185	U	
	26-Jan-11**		NS	U	0.270	U	0.270	U	NS	U	NS	U	NS	U	0.270	U	NS	U	NS	U			NS	U			
	27-Apr-11		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U			0.109	U			
	26-Jul-11		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U			0.109	U			
	28-Oct-11		0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U			0.082	U			
	23-Jan-12		0.190	U	0.190	U	0.190	U	0.190	U	0.190	U	0.190	U	0.190	U	0.190	U	0.190	U			0.190	U			
	13-Apr-12		0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	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			0.082	U			
	20-Jun-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	0.110	U			0.110	U			
	1-Nov-12		0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U			0.055	U			
1-Feb-13		0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U			0.055	U				
29-Apr-13		0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U			0.055	U				
9-Jul-13		0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U			0.055	U				
18-Oct-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-Jan-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			0.110	U				
24-Apr-14		0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U			0.055	U				
1-Aug-14		0.110	U	0.110	U	0.110	U	0.160	U	0.160	U	0.110	U	0.110	U	0.110	U	0.110	U			0.110	U				
Trichloroethene*	8-Feb-08		0.110		0.120		0.110	U	0.107	U	0.110	U	0.110	U	0.350	U		0.110	U			0.110	U				
	27-Mar-08		0.239		0.239		0.219	U	0.226	U	0.235	U	0.217	U	0.308	U		0.170	U			0.107	U				
	25-Apr-08		0.107	U	0.164	U	0.147	U	0.272	U	0.151	U	0.152	U	0.158	U		0.229	U			0.107	U				
	29-May-08		0.110	U	0.110	U	0.110	U	0.107	U	0.110	U	0.110	U	0.110	U		0.110	U			0.110	U				
	27-Jun-08		0.110	U	0.110	U	0.110	U	0.107	U	0.110	U	0.107	U	0.143	U		0.195	U			0.107	U				
	31-Jul-08		0.113	U	0.107	U	0.107	U	0.107	U	0.107	U	0.107	U	0.107	U		0.107	U			0.107	U				
	28-Aug-08		0.193	U	0.116	U	0.107	U	0.107	U	0.146	U	0.134	U	0.110	U		0.107	U			0.838	U				
	30-Sep-08		0.800	U	0.800	U	0.800	U	0.800	U	0.800	U	0.800	U	0.800	U		0.800	U			0.800	U				
	27-Oct-08		0.800	U	0.800	U	0.800	U	0.800	U	0.800	U	0.800	U	0.800	U		0.800	U			0.800	U				
	25-Nov-08		0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U		0.540	U			0.540	U				
	18-Dec-08		0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U		0.540	U			0.540	U				
	21-Jan-09		0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U		0.540	U			0.540	U				
	25-Feb-09		0.110	U	0.110	U	0.110	U	NS	U	0.110	U	0.110	U	0.110	U		0.110	U			0.130	U				
	26-Mar-09		4.000	U	0.326	U	1.510	U	0.438	U	1.180	U	0.639	U	1.180	U		0.450	U			6.					

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Volatile Organic Compounds via TO-15	Sample Date	CT Dalt Proposed Indoor Residential Target Air Concentrations/Interim RIEM-Approved Action Level	Kitchen Storage Rm		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Ctr (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)		AOA-2	AOA-3		
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	
1,2,4-Trimethylbenzene	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							0.998	U			
	25-Apr-08		0.998		1.760		11.700		1.640		0.909		0.839		0.911		0.750							0.998	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		1.390		1.390		0.369		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	9.300	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			
	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			
	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			
	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			
	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			
	26-Mar-09		0.942		0.859		1.500		1.300		0.526		0.563		0.737		0.564							0.739	U			
	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		0.339		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		0.717							0.069				
	15-Jan-09		0.609		0.550		0.452		0.206		0.521		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		0.398		0.344		0.250		0.354		0.511		0.187							0.098	U			
	15-Oct-10	9.3	0.319		0.408		0.329		0.211		0.098		0.098		0.319		0.098							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		0.994			
	26-Jan-11**		NS		1.900		2.100		NS		NS		NS		2.000		NS							NS				
	27-Apr-11		0.138		0.280		0.255		0.147		0.113		0.172		0.113		0.128							NS				
	26-Jul-11		0.575		2.160		1.120		0.285		0.236		0.157		0.290		0.177							0.123				
	28-Oct-11		0.290		0.220		0.290		0.220		0.290		0.310		0.330		0.398							0.470	U			
	23-Jan-12		0.660		0.580		0.710		0.380		1.000		0.520		0.650		0.470							0.470				
	13-Apr-12		0.400		0.410		0.760		0.480		0.340		0.290		0.360		0.240							0.240				
	2-Jul-12 resample		NS		NS		NS		NS		NS		NS		0.150		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		0.600							0.120				
1-Feb-13		0.330		0.190		0.170		0.160		0.150		0.120		0.220		0.160							0.098					
29-Apr-13		0.990		0.240		0.510		0.320		0.500		0.320		0.560		0.440							0.190					
9-Jul-13		0.480		0.410		0.290		0.440		0.230		0.240		0.300		0.240							0.190					
9-Jul-13 RIEM		NS		NS		NS		NS		NS		NS		NS		NS						0.230						
18-Oct-13		0.098		0.098	U	0.120		2.400		0.140		3.200		0.140		3.600							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	U	0.210		0.098	U	0.098	U	0.098	U	0.098	U	0.130							0.098	U				
1-Aug-14		0.320		0.270		0.630		1.300		1.500		0.220		1.100		1.200							1.200					
1,3,5-Trimethylbenzene	8-Feb-08		0.460		0.450		1.300		0.980		0.100		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	U	0.256		0.334	U					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		0.671		1.360		0.570		1.190		0.098		0.098	U	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				
	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				
	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				
	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				
	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				
	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				
	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		0.098	U	0.098		0.098		0.098		0.098		0.098	U	0.098	U					0.098	U				
	22-Jul-09		0.378		0.098	U	0.427		0.138		0.246		0.270		0.295		0.241							0.241				
	9-Oct-09		0.550		0.452																							

Table 1: Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2014

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/Interim RIEM-Approved Action Level	Kitchen Storage Rm		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Ctr (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)		AOA-2	AOA-3	
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
m-Xylene	9-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		1.360		1.140		1.140		1.140		1.140		0.656		0.656							0.536			
	28-Aug-08		2.130		3.220		8.690		8.200		1.910		2.190		2.280		1.960							2.240			
	30-Sep-08		4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	22.000							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		U				4.700			
	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		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		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		U				4.300	U		
	25-Feb-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		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		2.200		2.090		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							1.174	U		
	16-Jul-10		0.868		0.568		1.290		0.568		1.120		1.290		0.729		0.694							0.330			
	15-Oct-10	220.0	0.642		0.972		1.340		0.408		0.299		0.174		0.468		0.174			U				0.317			
	30-Nov-10		NS		0.620		1.000		NS		NS		NS		0.230		NS							NS			
	26-Jan-11		2.600		2.910		3.320		2.590		2.790		2.540		2.540		3.450							3.480			
	26-Jan-11**		NS		4.300		5.100		NS		NS		NS		4.900		NS							NS			
	27-Apr-11		0.412		2.030		0.642		3.020		0.260		0.412		0.191		0.256							0.191			
	26-Jul-11		1.240		3.650		2.630		3.670		0.799		0.816		0.864		0.486							0.404			
	28-Oct-11		1.400		1.100		1.400		0.750		1.400		1.700		1.500		1.480							1.500			
	23-Jan-12		1.600		1.300		1.300		1.500		1.300		1.400		1.400		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		U				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		0.960		1.300		1.400		1.300		2.100		2.500		1.800							0.340			
	1-Feb-13		0.270		0.210		0.220		0.230		0.220		0.210		0.510		0.210							0.400			
	29-Apr-13		1.700		1.300		1.300		1.300		1.300		2.400		1.200		1.300							1.300			
9-Jul-13		0.910		0.850		0.810		0.890		0.810		0.860		0.820		0.650							0.650				
9-Jul-13 RIEM		NS		NS		NS		NS		NS		NS		NS		NS							0.669		0.75	1	
18-Oct-13		2.200		0.270		1.600		2.300		0.310		4.200		1.300		2.700							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		0.170	U	0.260		0.260	U	0.280							0.170	U			
1-Aug-14		0.470		0.470		0.980		1.200		1.300		0.550		1.700		1.400							0.990				
o-Xylene	9-Feb-08		0.280		0.210		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		0.824		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		0.358		0.833		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						0.532				
	26-Sep-08		2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.600						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		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		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		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		U			2.200	U			
	25-Feb-09		2.200	U	2.200	U	2.600		NS		2.200	U	2.200	U	2.200	U	2.200	U		U			2.200	U			
	26-Mar-09		1.080		0.798		1.090		1.020		0.951		0.718		0.624		0.651							0.626			
	29-Apr-09		0.143		0.085		0.085		0.442		0.165		0.165		0.104		0.156							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		0.720		0.698		0.759							0.759			
	15-Jan-10		0.404		0.321		0.356		0.338		0.273		0.230		0.256		0.230										

APPENDIX C

Subslab Vapor Analytical Summary

**Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2014**

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	
		Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Acetone	8-Feb-08	17.2		NS		NS		NS		4.75	U	NS		NS		NS		5.62		11.4		NS	
	27-Mar-08	NS		28.7		NS		NS		NS		NS		NS		NS		NS		21.7		12.4	
	25-Apr-08	NS		NS		188		NS		NS		NS		513		NS		34		NS		33.9	
	29-May-08	NS		NS		NS		40.9		NS		NS		NS		92		9.82		NS		16.4	
	27-Jun-08	107		NS		NS		NS		145		NS		NS		NS		NS		NS		20.4	
	31-Jul-08	NS		101		NS		NS		NS		NS		NS		NS		14.4		NS		18.1	
	28-Aug-08	NS		NS		1130		NS		NS		NS		30.9		NS		46		NS		47.8	
	30-Sep-08	NS		NS		NS		32.8		NS		NS		NS		44.1		NS		NS		9.4	
	27-Oct-08	19.6		NS		NS		NS		NS		15		NS		NS		NS		17.9		NS	
	25-Nov-08	NS		148		NS		NS		NS		183		NS		NS		NS		13		24.7	
	18-Dec-08	NS		NS		856		NS		NS		NS		10.4		NS		NS		NS		37.2	
	21-Jan-09	NS		NS		NS		19.1		NS		NS		NS		6.1		2.4		U		NS	
	25-Feb-09	28.6		NS		NS		NS		60.9		NS		NS		NS		9.5		NS		8.3	
	26-Mar-09	NS		102		NS		NS		NS		47.5		U		NS		NS		NS		50.6	
	29-Apr-09	NS		NS		1980		NS		NS		NS		23.3		NS		5.15		NS		NS	
	22-Jul-09	58.5		NS		58.5		148		NS		87.8		NS		NS		NS		NS		88.1	
	9-Oct-09	NS		25.7		NS		NS		NS		49.7		NS		9.2		11100		NS		NS	
	15-Jan-10	33.6		NS		90.9		22.8		NS		26.3		NS		NS		NS		12.5		11.2	
	21-Apr-10	NS		21.9		NS		NS		206		NS		263		2870		72.8		NS		NS	
	16-Jul-10	654		NS		4800		202		NS		11400		NS		NS		8.34		NS		21.1	
	15-Oct-10	NS		11.3		NS		NS		26		NS		10.2		18.3		7.03		NS		NS	
	26-Jan-11	114		26.8		NS		54.4		NS		NS		34.4		NS		35.4		25.3		33.3	
	28-Feb-11	NS		NS		80.8		NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		106		NS		NS		NS		255		NS		220		227		17.8		NS	
	26-Jul-11	76.2		NS		120		154	E	NS		2730		NS		NS		NS		12.8		23.8	
	28-Oct-11	NS		48	U	NS		NS		48	U	NS		48	U	48	U	48	U	51		NS	
	23-Jan-12	37		NS		36		19		NS		28		NS		NS		NS		NS		38	
	13-Apr-12	NS		32		NS		NS		70		NS		32		83		54		NS		NS	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		48	U
	23-Jun-12	21		NS		30		370		NS		1600		NS		NS		NS		43		21	
	1-Nov-12	NS		41		NS		NS		52		NS		75		44		35		NS		NS	
1-Feb-13	17		NS		12		25		NS		36		NS		NS		16		NS		12		
29-Apr-13	NS		45		NS		NS		100		NS		68		62		33		NS		NS		
9-Jul-13	100		NS		170		130		NS		260		NS		NS		80		NS		15		
18-Oct-13	NS		43		NS		NS		61		NS		47		57		48		NS		NS		
9-Jan-14	250		NS		16		25		NS		11		NS		NS		24		NS		33		
24-Apr-14	NS		18		NS		NS		13		NS		41		15		42		NS		24		
1-Aug-14	31 ^M		NS		110/99 ^M	E	110/100 ^M	E	NS		NS		NS		NS		31 ^M		57/50 ^M	E	NS		
27-Aug-14	NS		NS		NS		NS		NS		210 ^F /130		NS		NS		NS		NS		NS		
Acrylonitrile	8-Feb-08	1.08	U	NS		NS		NS		1.08	U	NS		NS		NS		1.08	U	1.08	U	NS	
	27-Mar-08	NS		1.08	U	NS		NS		NS		NS		NS		NS		NS		1.08	U	1.08	U
	25-Apr-08	NS		NS		1.08	U	NS		NS		NS		1.08	U	NS		1.08	U	NS		1.08	U
	29-May-08	NS		NS		NS		1.08	U	NS		NS		NS		1.08	U	1.08	U	NS		NS	
	27-Jun-08	1.69	U	NS		NS		NS		1.08	U	NS		NS		NS		NS		1.08	U	1.08	U
	31-Jul-08	NS		1.08	U	NS		NS		NS		NS		NS		NS		1.08	U	NS		1.08	U
	28-Aug-08	NS		NS		1.08	U	NS		NS		NS		1.08	U	NS		1.08	U	NS		NS	
	30-Sep-08	NS		NS		NS		2.2	U	NS		NS		NS		2.2	U	NS		NS		2.2	U
	27-Oct-08	2.2	U	NS		NS		NS		2.2	U	NS		NS		NS		2.2	U	NS		2.2	U
	25-Nov-08	NS		2.2	U	NS		NS		NS		2.2	U	NS		NS		2.2	U	NS		2.2	U
	18-Dec-08	NS		NS		2.2	U	NS		NS		NS		2.2	U	NS		NS		2.2	U	2.2	U
	21-Jan-09	NS		NS		NS		2.2	U	NS		NS		NS		2.2	U	2.2	U	NS		2.2	U
	25-Feb-09	2.2	U	NS		NS		NS		2.2	U	NS		NS		NS		2.2	U	NS		2.2	U
	26-Mar-09	NS		5.42	U	NS		NS		NS		10.8	U	NS		NS		NS		1.08	U	1.08	U
	29-Apr-09	NS		NS		1.08	U	NS		NS		NS		1.08	U	NS		1.08	U	NS		1.08	U
	22-Jul-09	5.42	U	NS		5.42	U	10.8	U	NS		5.42	U	NS		NS		1.08	U	1.08	U	1.08	U
	9-Oct-09	NS		0.051	U	NS		NS		1.08	U	NS		1.08	U	226	U	1.08	U	NS		1.08	U
	15-Jan-10	1.08	U	NS		1.08	U	1.08	U	NS		1.08	U	NS		NS		1.08	U	NS		NS	
	21-Apr-10	NS		1.08	U	NS		NS		5.42	U	NS		5.42	U	5.42	U	1.08	U	NS		1.08	U
	16-Jul-10	1.08	U	NS		1.08	U	1.08	U	NS		8.19	U	NS		NS		1.08	U	1.08	U	NS	
	15-Oct-10	NS		0.108	U	NS		NS		1.08	U	NS		1.08	U	1.08	U	1.08	U	NS		1.08	U
	26-Jan-11	10.8	U	1.08	U	NS		1.08	U	NS		5.42	U	NS		5.42	U	5.42	U	NS		NS	
	28-Feb-11	NS		NS		10.8	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		1.08	U	NS		NS		1.08	U	NS		1.08	U	1.08	U	1.08	U	NS		NS	
	26-Jul-11	3.62	U	NS		3.62	U	1.08	U	NS		5.42	U	NS		NS		1.08	U	NS		5.42	U
	28-Oct-11	NS		6.2	U	NS		NS		6.2	U	NS		6.2	U	6.2	U	6.2	U	NS		6.2	U
	23-Jan-12	1.2	U	NS		1.2	U	1.2	U	NS		1.2	U	NS		NS		1.2	U	NS		1.2	U
	13-Apr-12	NS		1.2	U	NS		NS		1.2	U	NS		1.2	U	1.2	U	1.2	U	NS		1.2	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		6.2	U
	23-Jun-12	1.2	U	NS		1.2	U	1.2	U	NS		NS		NS		NS		1.2	U	NS		1.2	U
	1-Nov-12	NS		0.25	U	NS		NS		0.25	U	NS		0.25	U	0.25	U	0.25	U	NS		NS	
1-Feb-13	0.25	U	NS		0.25	U	0.25	U	NS		0.25	U	NS		NS		0.25	U	NS		0.25	U	
29-Apr-13	NS		0.62	U	NS		NS		0.25	U	NS		0.25										

**Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2014**

Volatile Organic Compounds via 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
Benzene	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		0.584		NS		NS		NS		0.745		NS		0.428		NS		0.536	
	29-May-08	NS		NS		NS		0.73		NS		NS		NS		1.03		1.12		0.61		NS	
	27-Jun-08	0.626		NS		NS		0.468		NS		NS		NS		NS		NS		0.499		0.399	
	31-Jul-08	NS		0.418		NS		NS		NS		NS		NS		NS		0.358		NS		0.265	
	28-Aug-08	NS		NS		1.02		NS		NS		NS		0.537		NS		0.815		0.692		NS	
	30-Sep-08	NS		NS		NS		1.6	U	NS		NS		NS		1.6	U	NS		1.6	U	1.6	U
	27-Oct-08	1.6	U	NS		NS		NS		NS		1.6	U	NS		NS		1.6	U	NS		1.6	U
	25-Nov-08	NS		1.6	U	NS		NS		NS		1.6	U	NS		NS		1.6	U	1.6	U	1.6	U
	18-Dec-08	NS		NS		1.6	U	NS		NS		NS		1.6	U	NS		NS		1.6	U	1.6	U
	21-Jan-09	NS		NS		NS		1.6	U	NS		NS		NS		1.6	U	1.6	U	NS		1.6	U
	25-Feb-09	1.6	U	NS		NS		NS		1.6	U	NS		NS		NS		1.6	U	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		NS		0.603		NS		NS		NS		0.246		NS		0.223		NS		0.367	
	22-Jul-09	1.12	U	NS		2.23		NS		NS		1.45		NS		NS		4.27		0.629		NS	
	9-Oct-09	NS		1.15		NS		NS		0.974		NS		0.431		46.6	U	0.619		NS		0.824	
	15-Jan-10	0.763		NS		0.887		0.98		NS		1.26		NS		NS		0.964		0.964		NS	
	21-Apr-10	NS		0.373		NS		NS		0.16	U	NS		1.6	U	1.61		0.635		NS		1.26	
	16-Jul-10	0.332		NS		1.53		0.689		NS		2.41	U	NS		NS		0.319	U	0.319	U	NS	
	15-Oct-10	NS		0.319	U	NS		0.319	U	0.319	U	NS	U	0.319	U	0.319	U	0.319	U	NS		0.319	U
	26-Jan-11	3.19	U	2.49		NS		2.46		NS		1.6	U	NS		1.85		1.8		1.9		NS	
	28-Feb-11	NS		NS		3.19	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.319	U	NS		NS		0.319	U	NS		0.319	U	0.354		0.319	U	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	U	NS		NS		1.6	U	NS		1.6	U	1.6	U	1.6	U	NS		1.6	U
	23-Jan-12	0.84		NS		1.2		0.98		NS		0.81		NS		NS		1.4		1.5		NS	
	13-Apr-12	NS		0.32	U	NS		NS		0.32	U	NS		0.32	U	0.32	U	0.32	U	NS		0.32	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		1.6	U	NS	
	23-Jun-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		0.56		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		0.47		0.63		NS		0.67		
9-Jul-13	0.64		NS		0.93		0.76		NS		0.70		NS		NS		0.65		0.42		NS		
18-Oct-13	NS		0.66		NS		NS		0.63		NS		0.86		1.0		NS		NS		0.92		
9-Jan-14	1.2		NS		1.1		0.97		NS		1.1		NS		NS		1.5		1.5		NS		
24-Apr-14	NS		0.3		NS		NS		0.22		NS		0.32		0.23		0.39		0.34		0.35		
1-Aug-14	0.49		NS		0.79/0.76		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		
Bromodichloromethane	8-Feb-08	0.13	U	NS		NS		NS		0.13	U	NS		NS		NS		0.13	U	0.13	U	NS	
	27-Mar-08	NS		0.134	U	NS		NS		NS		0.134	U	NS		NS		NS		0.134	U	0.134	U
	25-Apr-08	NS		NS		0.134	U	NS		NS		NS		0.134	U	NS		0.134	U	NS		0.134	U
	29-May-08	NS		NS		NS		0.13	U	NS		NS		NS		0.13	U	0.13	U	NS		NS	
	27-Jun-08	0.209	U	NS		NS		NS		0.134	U	NS		NS		NS		NS		0.134	U	0.134	U
	31-Jul-08	NS		0.134	U	NS		NS		NS		NS		NS		NS		0.134	U	NS		0.134	U
	28-Aug-08	NS		NS		0.134	U	NS		NS		NS		0.134	U	NS		0.134	U	NS		NS	
	30-Sep-08	NS		NS		NS		0.52		NS		NS		NS		0.13	U	NS		0.23		0.13	U
	27-Oct-08	0.13	U	NS		NS		NS		1.07		NS		NS		NS		0.13	U	NS		0.13	U
	25-Nov-08	NS		0.13	U	NS		NS		NS		0.13	U	NS		NS		0.13	U	3		NS	
	18-Dec-08	NS		NS		0.13	U	NS		NS		NS		0.13	U	NS		NS		0.13	U	0.13	U
	21-Jan-09	NS		NS		NS		0.13	U	NS		NS		NS		0.13	U	0.13	U	NS		0.13	U
	25-Feb-09	0.13	U	NS		NS		NS		0.13	U	NS		NS		NS		0.13	U	NS		NS	
	26-Mar-09	NS		0.67	U	NS		NS		NS		1.34	U	NS		NS		NS		0.134	U	0.134	U
	29-Apr-09	NS		NS		0.134	U	NS		NS		NS		0.134	U	NS		0.134	U	NS		0.134	U
	22-Jul-09	0.67	U	NS		27.3	U	1.34	U	NS		0.67	U	NS		NS		0.134	U	0.134	U	NS	
	9-Oct-09	NS		0.134	U	NS		NS		0.134	U	NS		0.134	U	28	U	0.134	U	NS		0.134	U
	15-Jan-10	0.134	U	NS		0.134	U	0.134	U	NS		0.134	U	NS		NS		0.134	U	0.134	U	NS	
	21-Apr-10	NS		0.134	U	NS		NS		0.67	U	NS		0.67	U	NS		0.134	U	NS		0.134	U
	16-Jul-10	0.134	U	NS		0.134	U	0.134	U	NS		1.01	U	NS		NS		0.134	U	0.134	U	NS	
	15-Oct-10	NS		0.134	U	NS		NS		0.134	U	NS		0.134	U	0.134	U	0.134	U	NS		0.134	U
	26-Jan-11	1.34	U	0.134	U	NS		0.134	U	NS		0.67	U	NS		0.67	U	0.67	U	NS		NS	
	28-Feb-11	NS		NS		1.34	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.134	U	NS		NS		0.134	U	NS		0.134	U	0.134	U	0.134	U	NS		0.134	U
	26-Jul-11	0.447	U	NS		0.447	U	0.134	U	NS		0.67	U	NS		NS		0.134	U	0.67	U	NS	
	28-Oct-11	NS		3.4	U	NS		NS		3.4	U	NS		3.4	U	3.4	U	3.4	U	NS		3.4	U
	23-Jan-12	0.67	U	NS		0.67	U	0.67	U	NS		0.67	U	NS		NS		0.67	U	0.67	U	NS	
	13-Apr-12	NS		0.34	U	NS		NS		0.34	U	NS		0.34	U	0.34	U	0.34	U	NS		0.34	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		1.7	U	NS	
	23-Jun-12	0.67	U	NS		0.67	U	0.67	U	NS		0.67	U	NS		NS		0.67	U	NS		NS	
1-Nov-12	NS		0.067	U	NS		NS		0.067	U	NS		0.067	U	0.067	U	0.067	U	NS		0.067	U	
1-Feb-13	0.067	U	NS		0.067	U	0.067	U	NS		0.067	U	NS		NS		0.067	U	0.067	U	NS		
29-Apr-13	NS		NS		NS		NS		0.067	U	NS		0.67	U	0.067	U	0.067	U	NS		0.067	U	
9-Jul-13	0.1	U	NS		0.067	U	0.067	U	NS		0.067	U	NS		NS		0.067	U	0.23		NS		
18-Oct-13	NS		0.13	U	NS		NS		0.13	U	NS		0.13	U	0.13	U	0.13	U	NS		0.13		
9-Jan-14	0.13	U	NS		0.13	U	0.13	U	NS		0.13	U	NS		NS		0.13	U	0.13	U	NS		
24-Apr-14	NS		0.13	U	NS		NS		0.13	U	NS		0.13	U	0.13	U	0.13	U	0.13	U	0.20	U	
1-Aug-14	0.13	U	NS		0.20	U	0.20	U	NS		NS		NS		NS		0.13	U	0.13	U	NS		
27-Aug-14	NS		NS		NS		NS		NS		0.067	U	NS		NS		NS		NS		NS		

**Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2014**

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
Bromoform	8-Feb-08	0.21	U	NS		NS		NS		0.21	U	NS		NS		NS		0.21	U	0.21	U	NS	
	27-Mar-08	NS		0.206	U	NS		NS		NS		0.206	U	NS		NS		NS		0.206	U	0.206	U
	25-Apr-08	NS		NS		0.206	U	NS		NS		NS		0.206	U	NS		0.206	U	NS		0.206	U
	29-May-08	NS		NS		NS		0.21	U	NS		NS		NS		0.21	U	NS		0.21	U	NS	
	27-Jun-08	0.322	U	NS		NS		NS		0.206	U	NS		NS		NS		NS		0.206	U	0.206	U
	31-Jul-08	NS		0.206	U	NS		NS		NS		NS		NS		NS		0.206	U	NS		0.206	U
	28-Aug-08	NS		NS		0.206	U	NS		NS		NS		0.206	U	NS		0.206	U	0.206	U	NS	
	30-Sep-08	NS		NS		NS		0.41	U	NS		NS		NS		0.41	U	NS		0.41	U	0.41	U
	27-Oct-08	0.41	U	NS		NS		NS		NS		0.41	U	NS		NS		NS		0.41	U	NS	
	25-Nov-08	NS		0.14	U	NS		NS		NS		0.41	U	NS		NS		NS		0.41	U	0.41	U
	18-Dec-08	NS		NS		0.41	U	NS		NS		NS		0.41	U	NS		NS		NS		0.41	U
	21-Jan-09	NS		NS		NS		0.41	U	NS		NS		NS		0.41	U	NS		NS		0.41	U
	25-Feb-09	0.41	U	NS		NS		NS		0.14	U	NS		NS		NS		NS		0.41	U	NS	
	26-Mar-09	NS		1.03	U	NS		NS		NS		2.06	U	NS		NS		NS		NS		0.206	U
	29-Apr-09	NS		NS		0.206	U	NS		NS		NS		0.206	U	NS		NS		0.206	U	NS	
	22-Jul-09	1.03	U	NS		42	U	2.06	U	NS		1.03	U	NS		NS		NS		0.206	U	0.206	U
	9-Oct-09	NS		0.206	U	NS		NS		NS		0.206	U	NS		0.206	U	43.1	U	0.206	U	NS	
	15-Jan-10	0.206	U	NS		0.206	U	0.206	U	NS		NS		0.206	U	NS		NS		0.206	U	0.206	U
	21-Apr-10	NS		0.206	U	NS		NS		1.03	U	NS		NS		1.03	U	NS		0.206	U	NS	
	16-Jul-10	0.206	U	NS		0.206	U	0.206	U	NS		NS		1.56	U	NS		NS		0.206	U	0.206	U
	15-Oct-10	NS		0.206	U	NS		NS		0.206	U	NS		0.206	U	NS		0.206	U	0.206	U	NS	
	26-Jan-11	2.06	U	0.206	U	NS		0.206	U	NS		1.03	U	NS		1.03	U	NS		1.03	U	NS	
	28-Feb-11	NS		NS		2.06	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.206	U	NS		NS		0.206	U	NS		0.206	U	0.206	U	NS		0.206	U	NS	
	26-Jul-11	0.69	U	NS		0.69	U	0.207	U	NS		1.03	U	NS		NS		NS		0.207	U	1.03	U
	28-Oct-11	NS		5.2	U	NS		NS		NS		5.2	U	NS		5.2	U	NS		NS		5.2	U
	23-Jan-12	1	U	NS		1	U	1	U	NS		1	U	NS		NS		NS		1	U	NS	
	13-Apr-12	NS		1	U	NS		NS		NS		1	U	NS		1	U	NS		1	U	NS	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		5.2	U
	23-Jun-12	1	U	NS		1	U	1	U	NS		1	U	NS		NS		NS		1	U	NS	
	1-Nov-12	NS		0.21	U	NS		NS		NS		0.21	U	NS		0.21	U	NS		0.21	U	NS	
	1-Feb-13	0.21	U	NS		0.21	U	0.21	U	NS		0.21	U	NS		NS		NS		0.21	U	NS	
	29-Apr-13	NS		0.52	U	NS		NS		NS		0.21	U	NS		0.21	U	NS		0.21	U	NS	
	9-Jul-13	0.31	U	NS		0.21	U	0.21	U	NS		0.21	U	NS		NS		NS		0.21	U	NS	
18-Oct-13	NS		0.21	U	NS		NS		NS		0.21	U	NS		0.21	U	NS		0.21	U	NS		
9-Jan-14	0.21	U	NS		0.21	U	0.21	U	NS		0.21	U	NS		NS		NS		0.21	U	NS		
24-Apr-14	NS		0.21	U	NS		NS		NS		0.21	U	NS		0.21	U	NS		0.21	U	NS		
1-Aug-14	0.21	U	NS		NS		0.31	U	0.31	U	NS		NS		NS		NS		0.21	U	NS		
27-Aug-14	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
2-Butanone	8-Feb-08	126		NS		NS		NS		1.47	U	NS		NS		NS		3.08		10.6		NS	
	27-Mar-08	NS		226		NS		NS		NS		NS		NS		NS		NS		11.9		3.9	
	25-Apr-08	NS		NS		477		NS		NS		NS		1680		NS		2.24		NS		1.47	U
	29-May-08	NS		NS		NS		527		NS		NS		NS		591		2.27		3.04		NS	
	27-Jun-08	1080		NS		NS		NS		596		NS		NS		NS		NS		6.92		3.64	
	31-Jul-08	NS		1350		NS		NS		NS		NS		NS		NS		12		NS		2.56	
	28-Aug-08	NS		NS		8380		NS		NS		NS		102		NS		5.29		9.18		NS	
	30-Sep-08	NS		NS		NS		101		NS		NS		NS		194		NS		2		1.5	U
	27-Oct-08	53.5		NS		NS		NS		30.5		NS		NS		NS		2.4		NS		5.7	
	25-Nov-08	NS		802		NS		NS		NS		259		NS		NS		1.8		2.4		NS	
	18-Dec-08	NS		NS		5630		NS		NS		NS		8.3		NS		NS		2.6		3.3	
	21-Jan-09	NS		NS		NS		209		NS		NS		NS		NS		24		1.5	U	1.5	U
	25-Feb-09	30		NS		NS		NS		NS		198		NS		NS		NS		1.5	U	NS	
	26-Mar-09	NS		926		NS		NS		NS		29.1		NS		NS		NS		2.66		3.02	
	29-Apr-09	NS		NS		12400		NS		NS		NS		38.1		NS		1.47	U	NS		3.06	
	22-Jul-09	433		NS		433		410		NS		151		NS		NS		21.6		2.8		NS	
	9-Oct-09	NS		289		NS		NS		1.47	U	NS		19.1		22700		2.75		NS		12.6	
	15-Jan-10	29.8		NS		826		64.1		NS		38.4		NS		NS		2.64		1.6		NS	
	21-Apr-10	NS		6.44		NS		NS		7.37	U	NS		34.6		1840		16.8		NS		14.5	
	16-Jul-10	5320		NS		21000		441		NS		10400		NS		NS		1.54		2.8		NS	
	15-Oct-10	NS		117		NS		NS		44.9		NS		2.85		NS		18.2		1.47	U	1.92	
	26-Jan-11	940		22.3		NS		16.5		NS		7.37	U	NS		50.4		7.37	U	NS		NS	
	28-Feb-11	NS		NS		625		NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		6.87		NS		NS		171		NS		11.3		NS		15.3		5.38		NS	
	26-Jul-11	690	E	NS		82.9		93.2		NS		11000		NS		NS		NS		2.07		7.37	U
	28-Oct-11	NS		59	U	NS		NS		59	U	NS		59	U	NS		59	U	NS		59	U
	23-Jan-12	110		NS		70		12	U	NS		20		NS		NS		12	U	NS		NS	
	13-Apr-12	NS		16		NS		NS		74		NS		12	U	NS		12	U	NS		12	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		59	U
	23-Jun-12	75		NS		92		3700		NS		1900		NS		NS		12	U	NS		NS	
	1-Nov-12	NS		24		NS		NS		44		NS		3.6		NS		12		NS		4.2	
	1-Feb-13	36		NS		4.9		16		NS		20		NS		NS		2.4		NS	U	NS	
	29-Apr-13	NS		170		NS		NS		110		NS		6.1		7		7.2		NS		4.5	
	9-Jul-13	98		NS		130		79		NS		370		NS		NS		6.8		NS	U	NS	
18-Oct-13	NS		91		NS		NS		28		NS		4		52		8.2		NS		6.4		
9-Jan-14	1900		NS		11		26		NS		11		NS		NS		4.2		2.6		NS		
24-Apr-14	NS		32		NS		NS		11		NS		3.2		19		8.1		2.5		3.5	U	
1-Aug-14	38		NS		110/81		110/93		NS		NS		NS		NS		5.8		4.3		NS		
27-Aug-14	NS		NS		NS		NS		NS		12		NS		NS		NS		NS		NS		

**Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2014**

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	
		Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
n-Butylbenzene	8-Feb-08	2.74	U	NS		NS		NS		2.74	U	NS		NS		NS		2.74	U	2.74	U	NS	
	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		NS		NS		NS		2.74	U	NS		2.74	U	2.74	U
	29-May-08	NS		NS		NS		2.74	U	NS		NS		NS		NS		2.74	U	2.74	U	NS	
	27-Jun-08	4.27	U	NS		NS		NS		2.74	U	NS		NS		NS		2.74	U	NS		2.74	U
	31-Jul-08	NS		2.74	U	NS		NS		NS		NS		NS		NS		NS		2.74	U	NS	
	28-Aug-08	NS		NS		2.74	U	NS		NS		NS		NS		2.74	U	NS		2.74	U	NS	
	30-Sep-08	NS		NS		NS		5.5	U	NS		NS		NS		NS		5.5	U	NS		5.5	U
	27-Oct-08	22.1		NS		NS		NS		NS		5.5	U	NS		NS		NS		12.8		NS	
	25-Nov-08	NS		5.5	U	NS		NS		NS		NS		5.5	U	NS		NS		5.5	U	11.5	
	18-Dec-08	NS		NS		5.5	U	NS		NS		NS		NS		5.5	U	NS		NS		5.5	U
	21-Jan-09	NS		NS		NS		5.5	U	NS		NS		NS		NS		5.5	U	NS		NS	
	25-Feb-09	5.5	U	NS		NS		NS		NS		5.5	U	NS		NS		NS		5.5	U	5.5	U
	26-Mar-09	NS		13.7	U	NS		NS		NS		NS		27.4	U	NS		NS		NS		2.74	U
	29-Apr-09	NS		NS		2.74	U	NS		NS		NS		NS		2.74	U	NS		2.74	U	NS	
	22-Jul-09	13.7	U	NS		13.7	U	27.4	U	NS		NS		13.7	U	NS		NS		2.74	U	2.74	U
	9-Oct-09	NS		1.08	U	NS		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	U	NS		NS		2.74	U	NS		NS		2.74	U	2.74	U
	21-Apr-10	NS		2.74	U	NS		NS		NS		13.7	U	NS		13.7	U	NS		2.74	U	NS	
	16-Jul-10	2.74	U	NS		2.74	U	2.74	U	NS		NS		20.7	U	NS		NS		2.74	U	2.74	U
	15-Oct-10	NS		2.74	U	NS		NS		2.74	U	NS		2.74	U	NS		2.74	U	2.74	U	NS	
	26-Jan-11	27.4	U	2.74	U	NS		2.74	U	NS		NS		13.7	U	NS		13.7	U	13.7	U	13.7	U
	28-Feb-11	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		2.745	U	NS		NS		NS		2.74	U	NS		2.74	U	2.74	U	2.74	U	NS	
	26-Jul-11	9.17	U	NS		9.17	U	2.74	U	NS		NS		13.7	U	NS		NS		2.74	U	13.7	U
	28-Oct-11	NS		7.9	U	NS		NS		NS		7.9	U	NS		7.9	U	7.9	U	7.9	U	NS	
	23-Jan-12	1.6	U	NS		1.6	U	1.6	U	NS		1.6	U	NS		1.6	U	NS		1.6	U	1.6	U
	13-Apr-12	NS		1.6	U	NS		NS		NS		1.6	U	NS		1.6	U	1.6	U	1.6	U	NS	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		7.9	U
	23-Jun-12	1.6	U	NS		1.6	U	1.6	U	NS		NS		1.6	U	NS		NS		1.6	U	1.6	U
	1-Nov-12	NS		0.32	U	NS		NS		NS		0.32	U	NS		0.44		0.35		0.38		NS	
	1-Feb-13	0.32	U	NS		NS		0.32	U	0.32		NS		NS		NS		NS		0.32	U	0.32	U
29-Apr-13	NS		0.79	U	NS		NS		NS		0.32	U	NS		0.32	U	0.32	U	0.32	U	NS		
9-Jul-13	0.47	U	NS		0.32	U	0.32	U	NS		NS		0.32	U	NS		NS		0.32	U	0.32	U	
18-Oct-13	NS		0.54	U	NS		NS		NS		0.52	U	NS		0.74		0.65		NS		NS		
9-Jan-14	0.32	U	NS		0.32	U	0.32	U	NS		NS		0.32	U	NS		NS		0.32	U	0.32	U	
24-Apr-14	NS		0.32	U	NS		NS		NS		0.32	U	NS		0.32	U	0.32	U	0.32	U	0.32	U	
1-Aug-14	0.32	U	NS		NS		0.63	U	0.47 ^L		NS		NS		NS		NS		0.32	U	0.56	U	
27-Aug-14	NS		NS		NS		NS		NS		NS		0.32	U	NS		NS		NS		NS		
sec-Butylbenzene	8-Feb-08	2.74	U	NS		NS		NS		2.74	U	NS		NS		NS		2.74	U	2.74	U	NS	
	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		NS		NS		2.74	U	NS		NS		2.74	U	2.74	U
	29-May-08	NS		NS		NS		2.74	U	NS		NS		NS		NS		2.74	U	2.74	U	NS	
	27-Jun-08	4.27	U	NS		NS		NS		2.74	U	NS		NS		NS		NS		NS		2.74	U
	31-Jul-08	NS		2.74	U	NS		NS		NS		NS		NS		NS		NS		2.74	U	2.74	U
	28-Aug-08	NS		NS		2.74	U	NS		NS		NS		NS		2.74	U	NS		2.74	U	NS	
	27-Oct-08	NS		NS		NS		5.5	U	NS		NS		NS		NS		5.5	U	NS		5.5	U
	27-Oct-08	5.5	U	NS		NS		NS		NS		NS		NS		NS		NS		5.5	U	NS	
	25-Nov-08	NS		5.5	U	NS		NS		NS		NS		5.5	U	NS		NS		5.5	U	5.5	U
	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		NS		NS		5.5	U
	25-Feb-09	5.5	U	NS		NS		NS		NS		5.5	U	NS		NS		NS		5.5	U	NS	
	26-Mar-09	NS		13.7	U	NS		NS		NS		NS		27.4	U	NS		NS		NS		2.74	U
	29-Apr-09	NS		NS		2.74	U	NS		NS		NS		NS		2.74	U	NS		2.74	U	NS	
	22-Jul-09	13.7	U	NS		13.7	U	27.4	U	NS		NS		13.7	U	NS		NS		2.74	U	2.74	U
	9-Oct-09	NS		2.74	U	NS		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	U	NS		NS		2.74	U	NS		NS		2.74	U	2.74	U
	21-Apr-10	NS		2.74	U	NS		NS		NS		13.7	U	NS		13.7	U	NS		2.74	U	NS	
	16-Jul-10	2.74	U	NS		2.74	U	2.74	U	NS		NS		20.7	U	NS		NS		2.74	U	2.74	U
	15-Oct-10	NS		2.74	U	NS		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	U	NS		NS		13.7	U	NS		13.7	U	13.7	U	NS	
	28-Feb-11	NS		NS		27.4	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		2.74	U	NS		NS		NS		2.74	U	NS		2.74	U	2.74	U	2.74	U	NS	
	26-Jul-11	9.17	U	NS		9.17	U	2.74	U	NS		NS		13.7	U	NS		NS		2.74	U	13.7	U
	28-Oct-11	NS		6.3	U	NS		NS		NS		6.3	U	NS		6.3	U	6.3	U	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	1.3	U
	13-Apr-12	NS		1.3	U	NS		NS		NS		1.3	U	NS		1.3	U	1.3	U	1.3	U	NS	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		6.3	U
	23-Jun-12	1.3	U	NS		1.3	U	1.3	U	NS		NS		1.3	U	NS		NS		1.3	U	1.3	U
	1-Nov-12	NS		0.25	U	NS		NS		NS		0.25	U	NS		0.25	U	0.25	U	0.25	U	NS	
	1-Feb-13	0.25	U	NS		0.25	U	0.25	U	NS		NS		NS		NS		NS		0.25	U	0.25	U
29-Apr-13	NS		0.63	U	NS		NS		NS		0.25	U	NS		0.25	U	0.25	U	0.25	U	NS		
9-Jul-13	0.38	U	NS		0.25	U	0.25	U	NS		NS		NS		NS		NS		0.25	U	0.25	U	
18-Oct-13	NS		0.25	U	NS		NS		NS		0.25	U	NS		0.25	U	0.25	U	0.25	U	NS		
9-Jan-14	0.25	U	NS		0.25	U	0.25	U	NS		NS		0.25	U	NS		NS		0.25	U	0.25	U	
24-Apr-14	NS		0.25	U	NS		NS		NS		0.25	U	NS		0.25	U	0.25	U	0.25	U	0.25	U	
1-Aug-14	0.25	U	NS		NS		0.38	U	NS		NS		NS		NS		NS		0.25	U	0.25	U	
27-Aug-14	NS		NS		NS		NS		NS		NS		0.25	U	NS		NS		NS		NS		

**Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2014**

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	
		Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Carbon tetrachloride	8-Feb-08	0.44		NS		NS		NS		0.46		NS		NS		NS		0.53		0.45		NS	
	27-Mar-08	NS		0.539		NS		NS		NS		0.477		NS		NS		NS		0.576		0.574	
	25-Apr-08	NS		NS		0.417		NS		NS		NS		0.448		NS		0.459		NS		0.448	
	29-May-08	NS		NS		NS		0.46		NS		NS		NS		0.46		NS		0.47		0.46	
	27-Jun-08	0.478		NS		NS		NS		0.506		NS		NS		NS		NS		NS		0.533	
	31-Jul-08	NS		0.576		NS		NS		NS		NS		NS		NS		NS		0.548		NS	
	28-Aug-08	NS		NS		0.515		NS		NS		NS		NS		0.549		NS		0.567		0.563	
	30-Sep-08	NS		NS		NS		0.511		NS		NS		NS		NS		0.577		NS		0.451	
	27-Oct-08	0.48		NS		NS		NS		NS		0.36		NS		NS		NS		0.41		NS	
	25-Nov-08	NS		0.5		NS		NS		NS		NS		0.42		NS		NS		0.3		0.44	
	18-Dec-08	NS		NS		0.23		NS		NS		NS		NS		0.28		NS		NS		0.48	
	21-Jan-09	NS		NS		NS		0.36		NS		NS		NS		NS		0.47		0.27		NS	
	25-Feb-09	0.39		NS		NS		NS		NS		0.36		NS		NS		NS		0.37		0.36	
	26-Mar-09	NS		0.629	U	NS		NS		NS		NS	U	NS		NS		NS		NS		0.601	
	29-Apr-09	NS		NS		0.484		NS		NS		NS		NS		0.528		NS		0.522		NS	
	22-Jul-09	0.629	U	NS		25.6	U	1.26	U	NS		0.629	U	NS		NS		NS		0.515		0.503	
	9-Oct-09	NS		0.691		NS		NS		NS		0.666		NS		NS		26.2	U	0.71		NS	
	15-Jan-10	0.427		NS		0.647		0.509		NS		NS		0.541		NS		NS		0.541		0.528	
	21-Apr-10	NS		0.126		NS		NS		NS	U	0.629		NS		0.629	U	NS	U	0.61		NS	
	16-Jul-10	0.459		NS		0.478		0.515		NS		NS	U	0.95	U	NS		NS		0.559		0.509	
	15-Oct-10	NS		0.509		NS		0.434		NS		NS		0.383		NS		0.402		0.421		NS	
	26-Jan-11	1.26	U	0.415		NS		0.415		NS		NS	U	0.629	U	NS		0.629	U	0.629	U	0.629	U
	28-Feb-11	NS		NS		1.26	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.339		NS		NS		NS		0.339		NS		NS		0.364		0.339		NS	
	26-Jul-11	0.44		NS		0.42	U	0.409		NS		NS	U	0.629	U	NS		NS		0.402		0.629	U
	28-Oct-11	NS		3.1	U	NS		NS		NS	U	NS		NS	U	3.1	U	NS	U	3.1	U	NS	U
	23-Jan-12	0.63	U	NS		0.63	U	0.63	U	NS		NS	U	0.63	U	NS		NS	U	0.63	U	0.63	U
	13-Apr-12	NS		0.31	U	NS		NS		NS	U	0.31	U	NS	U	0.31	U	NS	U	0.31	U	NS	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		1.6	U
	23-Jun-12	0.63	U	NS		0.63	U	0.63	U	NS		NS	U	0.63	U	NS		NS	U	0.63	U	0.63	U
1-Nov-12	NS		0.48		NS		NS		NS		0.46		NS		0.45		NS		0.47		NS		
1-Feb-13	0.44		NS		0.43		NS		NS		0.39		NS		NS		NS		0.49		NS		
29-Apr-13	NS		0.42		NS		NS		NS		0.44		NS		0.42		0.48		0.48		NS		
9-Jul-13	0.52		NS		0.52		0.46		NS		NS		0.48		NS		NS		0.45		0.47		
18-Oct-13	NS		0.45		NS		NS		NS		0.41		NS		0.45		NS		0.44		NS		
9-Jan-14	0.40		NS		0.45		0.40		NS		NS		0.43		NS		NS		0.43		0.43		
24-Apr-14	NS		0.48		NS		NS		NS		0.45		NS		0.42		0.47		0.47		0.47		
1-Aug-14	0.30		NS		0.44		NS		NS		NS		NS		NS		NS		0.56		0.43		
27-Aug-14	NS		NS		NS		NS		NS		NS		0.45		NS		NS		NS		NS		
Chlorobenzene	8-Feb-08	0.09	U	NS		NS		NS		0.09	U	NS		NS		NS		0.09	U	0.09	U	NS	
	27-Mar-08	NS		0.052	U	NS		NS		NS		0.092	U	NS		NS		NS		0.092	U	0.092	U
	25-Apr-08	NS		NS		0.092	U	NS		NS		NS		0.092	U	NS		NS		0.092	U	0.092	U
	29-May-08	NS		NS		NS		0.09	U	NS		NS		NS		0.09	U	NS		0.09	U	NS	
	27-Jun-08	0.207		NS		NS		NS		0.092	U	NS		NS		NS		NS		NS		0.092	U
	31-Jul-08	NS		0.092	U	NS		NS		NS		NS		NS		NS		NS		0.092	U	0.092	U
	28-Aug-08	NS		NS		0.092	U	NS		NS		NS		0.092	U	NS		NS		0.092	U	NS	
	30-Sep-08	NS		NS		2.3	U	NS		NS		NS		NS		2.3	U	NS		2.3	U	2.3	U
	27-Oct-08	2.3	U	NS		NS		NS		NS		2.3	U	NS		NS		NS		2.3	U	2.3	U
	25-Nov-08	NS		2.3	U	NS		NS		NS		NS		2.3	U	NS		NS		2.3	U	NS	
	18-Dec-08	NS		NS		2.3	U	NS		NS		NS		NS		2.3	U	NS		2.3	U	2.3	U
	21-Jan-09	NS		NS		NS		2.3	U	NS		NS		NS		NS		2.3	U	2.3	U	NS	
	25-Feb-09	2.3	U	NS		NS		NS		NS		2.3	U	NS		NS		NS		2.3	U	NS	
	26-Mar-09	NS		0.46	U	NS		NS		NS		0.92	U	NS		NS		NS		NS		0.092	U
	29-Apr-09	NS		NS		0.092	U	NS		NS		NS		NS		0.092	U	NS		0.092	U	NS	
	22-Jul-09	0.46	U	NS		18.8	U	0.92	U	NS		NS		0.46	U	NS		NS		0.092	U	0.092	U
	9-Oct-09	NS		0.092	U	NS		NS		NS		0.092	U	NS		NS		19.2	U	0.092	U	NS	
	15-Jan-10	0.092	U	NS		0.092	U	0.092	U	NS		NS		0.092	U	NS		NS		0.092	U	NS	
	21-Apr-10	NS		0.092	U	NS		NS		NS		0.46	U	NS		0.46	U	NS		0.092	U	NS	
	16-Jul-10	0.092	U	NS		0.092	U	0.212		NS		NS		0.695	U	NS		NS		0.092	U	0.092	U
	15-Oct-10	NS		0.092	U	NS		NS		NS		0.129		NS		0.106		0.101		0.092	U	NS	
	26-Jan-11	0.92	U	0.092	U	NS		0.092	U	NS		NS		0.46	U	NS		0.46	U	0.46	U	NS	
	28-Feb-11	NS		NS		0.92	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.092	U	NS		NS		NS		0.092	U	NS		0.092	U	NS		0.092	U	NS	
	26-Jul-11	0.307	U	NS		0.307	U	0.092	U	NS		NS		0.46	U	NS		NS		0.092	U	0.46	U
	28-Oct-11	NS		2.3	U	NS		NS		NS		2.3	U	NS		2.3	U	NS		2.3	U	NS	
	23-Jan-12	0.46	U	NS		0.46	U	0.46	U	NS		NS		0.46	U	NS		NS		0.46	U	12	NS
	13-Apr-12	NS		0.46	U	NS		NS		NS		0.46	U	NS		0.46	U	NS		0.46	U	NS	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		2.3	U
	23-Jun-12	0.46	U	NS		0.46	U	0.46	U	NS		NS		0.46	U	NS		NS		0.46	U	0.46	U
1-Nov-12	NS		0.092	U	NS		NS		NS		0.092	U	NS		0.16		0.092	U	0.092	U	NS		
1-Feb-13	0.092	U	NS		0.092	U	0.092	U	NS		NS		NS		NS		NS		0.092	U	0.092	U	
29-Apr-13	NS		0.12	U	NS		NS		NS		0.046	U	NS		0.046	U	NS		0.046	U	NS		
9-Jul-13	0.18		NS		0.14		NS		NS		NS		NS		NS		NS		0.092	U	NS		
18-Oct-13	NS		0.092	U	NS		NS		NS		0.092	U	NS		0.092	U	NS		0.092	U	NS		
9-Jan-14	0.092	U	NS		0.092	U	0.092	U	NS		NS		0.092	U	NS		NS		0.092	U	0.092	U	
24-Apr-14	NS		0.046	U	NS		NS		NS		0.046	U	NS		0.046	U	NS		0.046	U	0.046	U	
1-Aug-14	0.092	U	NS		0.14	U	NS		NS		NS		NS		NS		NS		0.092	U	NS		
27-Aug-14	NS		NS		NS		NS		NS		NS		0.092	U	NS		NS		NS		NS		

**Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2014**

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	
		Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Chloroethane	8-Feb-08	0.05	U	NS		NS		NS		0.05	U	NS		NS		NS		0.05	U	0.05	U	NS	
	27-Mar-08	NS		0.053	U	NS		NS		NS		0.053	U	NS		NS		0.053	U	0.053	U	0.053	U
	25-Apr-08	NS		NS		0.053	U	NS		NS		NS		0.139		NS		0.053	U	NS		0.053	U
	29-May-08	NS		NS		NS		0.11		NS		NS		NS		0.1		0.07		0.05	U	NS	
	27-Jun-08	0.082	U	NS		NS		NS		0.132		NS		NS		NS		NS		0.053	U	0.053	U
	31-Jul-08	NS		0.053	U	NS		NS		NS		NS		NS		NS		0.053	U	NS		0.053	U
	28-Aug-08	NS		NS		0.053	U	NS		NS		NS		0.153		NS		0.053	U	0.075		NS	
	30-Sep-08	NS		NS		NS		1.3	U	NS		NS		NS		1.3	U	NS		1.3	U	1.3	U
	27-Oct-08	1.3	U	NS		NS		NS		NS		1.3	U	NS		NS		1.3	U	NS		1.6	
	25-Nov-08	NS		1.3	U	NS		NS		NS		1.3	U	NS		NS		1.3	U	1.3	U	1.3	U
	18-Dec-08	NS		NS		1.3	U	NS		NS		NS		NS	U	NS		NS		1.3	U	1.3	U
	21-Jan-09	NS		NS		NS		1.3	U	NS		NS		NS		NS		1.3	U	NS		1.3	U
	25-Feb-09	1.3	U	NS		NS		NS		NS		1.3	U	NS		NS		1.3	U	1.3	U	NS	
	26-Mar-09	NS		0.264	U	NS		NS		NS		0.527	U	NS		NS		NS		0.1212		0.063	
	29-Apr-09	NS		NS		0.137		NS		NS		NS		0.063		NS		0.053	U	NS		0.053	U
	22-Jul-09	0.264	U	NS		10.8	U	0.527	U	NS		0.277		NS		NS		0.053	U	0.061		NS	
	9-Oct-09	NS		0.053	U	NS		NS		NS		0.058		NS		0.406		11	U	0.053	U	NS	0.053
	15-Jan-10	0.053	U	NS		0.074		0.066		NS		0.053		NS		NS		0.053	U	0.053	U	NS	
	21-Apr-10	NS		0.074		NS		0.264		NS		0.264		0.303		0.303		0.053	U	NS		0.116	
	16-Jul-10	0.1		NS		2.55		0.166		NS		0.398	U	NS		NS		0.053	U	0.087		NS	
	15-Oct-10	NS		0.053	U	NS		NS		0.082		NS		0.071		0.053	U	0.053	U	NS		0.053	U
	26-Jan-11	0.527	U	0.053	U	NS		0.077		NS		0.264	U	NS		0.264	U	0.264	U	0.264	U	NS	
	28-Feb-11	NS		NS		.527	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.053	U	NS		NS		NS		0.079		NS		0.082		0.053	U	0.053	U	NS	0.053
	26-Jul-11	0.176	U	NS		0.176	U	0.116		NS		0.264	U	NS		NS		0.053	U	0.264		NS	
	28-Oct-11	NS		1.3	U	NS		NS		1.3	U	NS		1.3	U	1.3	U	1.3	U	NS		1.3	U
	23-Jan-12	0.26	U	NS		0.26	U	0.26	U	NS		0.26	U	NS		NS		0.26	U	0.26	U	NS	U
	13-Apr-12	NS		0.26	U	NS		NS		NS		0.26	U	NS		0.26	U	0.26	U	NS		0.26	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		1.3	U
	23-Jun-12	0.26	U	NS		0.26	U	0.26	U	NS		0.26	U	NS		NS		0.26	U	0.26	U	NS	
1-Nov-12	NS		0.053	U	NS		NS		0.085		NS		0.08		0.053	U	0.053	U	NS		0.087		
1-Feb-13	0.082		NS		0.053	U	0.11		NS		0.053	U	NS		NS		0.053	U	0.053	U	NS		
29-Apr-13	NS		0.4		NS		NS		0.11	U	NS		0.11		0.11	U	0.11	U	NS		0.11	U	
9-Jul-13	0.11		NS		0.12		0.31		NS		0.091		NS		NS		0.11	U	0.053	U	NS		
18-Oct-13	NS		0.053	U	NS		NS		0.11		NS		0.091		0.053	U	0.053	U	NS		0.053	U	
9-Jan-14	0.084		NS		0.053	U	0.11		NS		0.053	U	NS		NS		0.053	U	0.053	U	NS		
24-Apr-14	NS		0.026	U	NS		NS		0.026	U	NS		0.13		0.026	U	0.026	U	0.026	U	0.079	U	
1-Aug-14	0.23		NS		0.43		0.53		NS		NS		NS		NS		0.059		0.053	U	NS		
27-Aug-14	NS		NS		NS		NS		NS		0.072		NS		NS		NS		NS		NS		
Chloroform	8-Feb-08	0.1	U	NS		NS		NS		NS	U	NS		NS		NS		0.12		0.12		NS	
	27-Mar-08	NS		0.098	U	NS		NS		NS		0.125		NS		NS		NS		0.453		0.847	
	25-Apr-08	NS		NS		0.231		NS		NS		NS		0.203		NS		0.134		NS		0.265	
	29-May-08	NS		NS		NS		0.14		NS		NS		NS		0.1	U	0.11		0.14		NS	
	27-Jun-08	0.263		NS		NS		NS		0.623		NS		NS		NS		NS		0.305		0.395	
	31-Jul-08	NS		0.145		NS		NS		NS		NS		NS		NS		0.13		NS		0.124	
	28-Aug-08	NS		NS		0.098	U	NS		NS		NS		1.2		NS		0.331		0.386		NS	
	30-Sep-08	NS		NS		NS		0.49	U	NS		NS		NS		0.49	U	NS		0.49	U	0.49	U
	27-Oct-08	0.49	U	NS		NS		NS		0.49	U	NS		NS		NS		0.49	U	NS		0.49	U
	25-Nov-08	NS		0.24	U	NS		NS		NS		0.24	U	NS		NS		0.24	U	0.24	U	NS	
	18-Dec-08	NS		NS		0.24	U	NS		NS		NS		0.24	U	NS		NS		0.24	U	0.24	U
	21-Jan-09	NS		NS		NS		0.24	U	NS		NS		NS		NS		0.24	U	NS		0.24	U
	25-Feb-09	0.24	U	NS		NS		NS		0.24	U	NS		NS		NS		0.24	U	0.24	U	NS	
	26-Mar-09	NS		0.488	U	NS		NS		NS		1.29		NS		NS		NS		0.265		0.2	
	29-Apr-09	NS		NS		0.098	U	NS		NS		NS		0.136		NS		0.098	U	NS		1.34	
	22-Jul-09	0.488	U	NS		19.9	U	0.976	U	NS		0.488	U	NS		NS		0.429		0.22		NS	
	9-Oct-09	NS		0.205		NS		NS		0.263		NS		0.268		20.4	U	0.317		NS		0.312	
	15-Jan-10	0.176		NS		7.22		0.146		NS		0.19		NS		NS		0.098	U	0.185		NS	
	21-Apr-10	NS		0.098	U	NS		NS		0.488	U	NS		0.488	U	0.488	U	0.22		NS		0.2	
	16-Jul-10	0.361		NS		0.098	U	0.215		NS		0.737	U	NS		NS		0.205	U	0.346		NS	
	15-Oct-10	NS		0.171		NS		NS		0.366		NS		0.654		0.117		0.102		NS		0.166	
	26-Jan-11	2.78		0.122		NS		0.161		NS		0.488	U	NS		0.488	U	0.488	U	0.488	U	NS	
	28-Feb-11	NS		NS		0.976	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.136		NS		NS		0.185		NS		0.117		0.273		0.098	U	NS		0.122	
	26-Jul-11	0.326	U	NS		0.326	U	0.239		NS		1.37		NS		NS		0.244		0.488	U	NS	
	28-Oct-11	NS		2.4	U	NS		NS		2.4	U	NS		2.4	U	2.4	U	2.4	U	NS		2.4	U
	23-Jan-12	0.49	U	NS		0.84	U	0.49	U	NS		0.49	U	NS		NS		0.49	U	0.84	U	NS	
	13-Apr-12	NS		0.24	U	NS		NS		0.24	U	NS		0.24	U	0.24	U	0.24	U	NS		0.24	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		1.2	U	NS	
	23-Jun-12	0.49	U	NS		0.49	U	0.49	U	NS		0.49	U	NS		NS		0.49	U	0.58		NS	
1-Nov-12	NS		0.088		NS		NS		0.28		NS		0.12		0.076		0.092		NS		0.17		
1-Feb-13	0.14		NS		0.46		0.15		NS		0.19		NS		NS		0.11		0.18		NS		
29-Apr-13	NS		0.15		NS		NS		0.19		NS		0.13		0.13		0.16		NS		0.41		
9-Jul-13	0.34		NS		0.63		0.33		NS		0.27		NS		NS		0.24		0.27		NS		
18-Oct-13	NS		0.098	U	NS		NS		0.29		NS		0.12		0.11		0.11		NS		0.31		
9-Jan-14	0.12		NS		0.94		0.18		NS		0.27		NS		NS		0.16		0.25		NS		
24-Apr-14	NS		0.049	U	NS		NS		0.21		NS		0.11		0.049	U	0.16		0.16		0.32		
1-Aug-14	1.0		NS		2.7/3.6		0.32		NS		NS		NS		NS		2.1		0.55		NS		
27-Aug-14	NS		NS		NS		NS		NS		0.19		NS		NS		NS		NS		NS		

**Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2014**

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		
		Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	
Chloromethane	8-Feb-08	2.44	U	NS		NS		NS		2.44	U	NS		NS		NS		2.44	U	2.44	U	NS		
	27-Mar-08	NS		2.67		NS		NS		NS		3.24		NS		NS		NS		2.44	U	2.44	U	
	25-Apr-08	NS		NS		2.44	U	NS		NS		NS		2.44	U	NS		2.44	U	NS		2.44	U	
	29-May-08	NS		NS		NS		2.44	U	NS		NS		NS		2.44	U	NS		2.44	U	NS		
	27-Jun-08	3.8	U	NS		NS		NS		2.44	U	NS		NS		NS		2.44	U	NS		2.44	U	
	31-Jul-08	NS		4.64		NS		NS		NS		NS		NS		NS		NS		2.44	U	NS		
	28-Aug-08	NS		NS		2.44	U	NS		NS		NS		2.44	U	NS		2.44	U	2.44	U	NS		
	30-Sep-08	NS		NS		NS		1	U	NS		NS		NS		1	U	NS		1	U	NS		
	27-Oct-08	1	U	NS		NS		NS		NS		1	U	NS		NS		NS		1.1		NS		
	25-Nov-08	NS		1	U	NS		NS		NS		NS		NS		NS		NS		1	U	NS		
	18-Dec-08	NS		NS		1	U	NS		NS		NS		NS		1	U	NS		NS		1.4	U	
	21-Jan-09	NS		NS		NS		1	U	NS		NS		NS		NS		3.1		1	U	NS		
	25-Feb-09	1		NS		NS		NS		NS		1	U	NS		NS		NS		1	U	NS		
	26-Mar-09	NS		12.2	U	NS		NS		NS		NS		24.4	U	NS		NS		NS		4.58	2.44	U
	29-Apr-09	NS		NS		NS		NS		NS		NS		NS		19.4		NS		2.44	U	NS		
	22-Jul-09	18.5		NS		NS		497	U	NS		NS		41.9		NS		NS		2.44	U	6.29	NS	
	9-Oct-09	NS		2.44	U	NS		NS		NS		2.44	U	NS		2.44	U	509	U	2.44	U	NS		
	15-Jan-10	2.44	U	NS		2.78		2.44	U	NS		2.44		NS		NS		NS		2.44	U	2.44	NS	
	21-Apr-10	NS		3.25		NS		NS		NS		12.2	U	NS		12.2	U	12.2	U	2.44	U	NS		
	16-Jul-10	1.32		NS		62.8		1.48		NS		NS		7.79	U	NS		NS		1.03	U	1.03	U	
	15-Oct-10	NS		1.03	U	NS		NS		1.03		1.03	U	NS		1.03	U	1.03	U	1.03	U	NS		
	26-Jan-11	10.3	U	1.03	U	NS		1.03	U	NS		NS		5.16	U	NS		5.16	U	5.16	U	5.16	U	
	28-Feb-11	NS		NS		10.3	U	NS		NS		NS		NS		NS		NS		NS		NS		
	27-Apr-11	NS		1.23		NS		NS		NS		1.03	U	NS		1.03	U	1.18		1.03	U	NS		
	26-Jul-11	3.45	U	NS		3.45	U	1.03	U	NS		NS		5.16	U	NS		NS		1.03	U	5.16	U	
	28-Oct-11	NS		1	U	NS		NS		NS		1	U	NS		1	U	1		1		NS		
	23-Jan-12	0.21	U	NS		0.21	U	0.21	U	NS		NS		0.21	U	NS		NS		1.2		0.21	U	
	13-Apr-12	NS		0.21	U	NS		NS		NS		0.21	U	NS		0.21	U	0.21		NS		NS		
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		1.1	NS	
	23-Jun-12	0.21	U	NS		0.21	U	0.21	U	NS		NS		2.1		NS		NS		0.21	U	0.21	U	
	1-Nov-12	NS		0.041	U	NS		NS		NS		0.041	U	NS		0.041	U	0.041	U	0.37		NS		
	1-Feb-13	0.5		NS		1.8		2.1		NS		NS		0.19		NS		NS		0.71		NS		
29-Apr-13	NS		0.21	U	NS		NS		NS		0.083	U	NS		0.083	U	0.083	U	0.73		NS			
9-Jul-13	0.12	U	NS		0.083	U	0.083	U	NS		NS		0.083	U	NS		NS		1.0		0.083	U		
18-Oct-13	NS		0.083	U	NS		NS		NS		0.083	U	NS		0.083	U	0.083	U	0.40		NS			
9-Jan-14	3.2		NS		1.5		0.083	U	NS		0.053	U	NS		NS		NS		0.64		0.083	U		
24-Apr-14	NS		4.6		NS		NS		NS		4.5		NS		3.5		1.2		0.47		1.0	U		
1-Aug-14	0.083	U	NS		0.12	U	0.12	U	NS		NS		NS		NS		NS		0.083	U	0.083	U		
27-Aug-14	NS		NS		NS		NS		NS		NS		1.7		NS		NS		NS		NS			
Dibromochloromethane	8-Feb-08	0.1	U	NS		NS		NS		0.1	U	NS		NS		NS		0.1	U	0.1	U	NS		
	27-Mar-08	NS		0.096	U	NS		NS		NS		0.096	U	NS		NS		NS		NS		0.096	U	
	25-Apr-08	NS		NS		0.096	U	NS		NS		NS		0.096	U	NS		NS		0.096	U	NS		
	29-May-08	NS		NS		NS		0.1	U	NS		NS		NS		0.1	U	NS		0.1	U	NS		
	27-Jun-08	0.15	U	NS		NS		NS		0.096	U	NS		NS		NS		NS		NS		0.096	U	
	31-Jul-08	NS		0.096	U	NS		NS		NS		NS		NS		NS		NS		0.096	U	NS		
	28-Aug-08	NS		NS		0.096	U	NS		NS		NS		0.096	U	NS		NS		0.096	U	NS		
	30-Sep-08	NS		NS		NS		4.2	U	NS		NS		NS		4.2	U	NS		4.2	U	NS		
	27-Oct-08	4.2	U	NS		NS		NS		NS		4.2	U	NS		NS		NS		4.2	U	NS		
	25-Nov-08	NS		4.2	U	NS		NS		NS		4.2	U	NS		NS		NS		4.2	U	NS		
	18-Dec-08	NS		NS		4.2	U	NS		NS		NS		4.2	U	NS		NS		4.2	U	NS		
	21-Jan-09	NS		NS		NS		4.2	U	NS		NS		NS		4.2	U	NS		4.2	U	NS		
	25-Feb-09	4.2	U	NS		NS		NS		4.2	U	NS		NS		NS		NS		4.2	U	NS		
	26-Mar-09	NS		0.48	U	NS		NS		NS		0.96		NS		NS		NS		NS		0.096	U	
	29-Apr-09	NS		NS		0.096	U	NS		NS		NS		NS		0.096	U	NS		NS		0.096	U	
	22-Jul-09	0.48	U	NS		19.6	U	0.96	U	NS		NS		0.48	U	NS		NS		0.096	U	NS		
	9-Oct-09	NS		0.096	U	NS		NS		NS		NS		NS		0.096	U	20	U	0.096	U	NS		
	15-Jan-10	0.096	U	NS		0.096	U	0.096	U	NS		NS		0.096	U	NS		NS		0.096	U	NS		
	21-Apr-10	NS		0.096	U	NS		NS		NS		0.48	U	NS		0.48	U	NS		0.096	U	NS		
	16-Jul-10	0.17	U	NS		0.17	U	0.17	U	NS		NS		1.28	U	NS		NS		0.17	U	NS		
	15-Oct-10	NS		0.17	U	NS		NS		NS		0.17	U	NS		NS		0.17	U	NS		0.17	U	
	26-Jan-11	1.7	U	0.17	U	NS		0.17	U	NS		NS		0.851	U	NS		0.851	U	0.17	U	NS		
	28-Feb-11	NS		NS		1.7	U	NS		NS		NS		NS		NS		NS		NS		NS		
	27-Apr-11	NS		0.17	U	NS		NS		NS		0.17	U	NS		NS		NS		0.17	U	NS		
	26-Jul-11	0.568	U	NS		0.568	U	0.17	U	NS		NS		0.852	U	NS		NS		0.17	U	NS		
	28-Oct-11	NS		4.3	U	NS		NS		NS		4.3	U	NS		4.3	U	NS		4.3	U	NS		
	23-Jan-12	0.85	U	NS		0.85	U	0.85	U	NS		NS		0.85	U	NS		NS		0.85	U	NS		
	13-Apr-12	NS		0.85	U	NS		NS		NS		0.85	U	NS		0.85	U	NS		0.85	U	NS		
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		2.1	U	
	23-Jun-12	0.85	U	NS		0.85	U	0.85	U	NS		NS		NS		NS		NS		0.85	U	NS		
	1-Nov-12	NS		0.085	U	NS		NS		NS		0.085	U	NS		0.085	U	NS		NS		NS		
	1-Feb-13	0.17	U	NS		0.17	U	0.17	U	NS		NS												

**Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2014**

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	
		Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
1,2-Dibromomethane	8-Feb-08	0.15	U	NS		NS		NS		0.15	U	NS		NS		NS		0.15	U	0.15	U	NS	
	27-Mar-08	NS		0.154	U	NS		NS		NS		0.154	U	NS		NS		NS		0.154	U	0.154	U
	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	NS	
	31-Jul-08	NS		0.154	U	NS		NS		NS		NS		NS		NS		NS		0.154	U	NS	
	28-Aug-08	NS		NS		0.154	U	NS		NS		NS		0.154	U	NS		NS		0.154	U	NS	
	30-Sep-08	NS		NS		NS		0.15	U	NS		NS		NS		0.15	U	NS		NS		0.15	U
	27-Oct-08	0.15	U	NS		NS		NS		NS		0.15	U	NS		NS		NS		0.15	U	NS	
	25-Nov-08	NS		0.15	U	NS		NS		NS		0.15	U	NS		NS		NS		NS		0.15	U
	18-Dec-08	NS		NS		0.15	U	NS		NS		NS		0.15	U	NS		NS		NS		0.15	U
	21-Jan-09	NS		NS		NS		0.15	U	NS		NS		NS		0.15	U	NS		NS		0.15	U
	25-Feb-09	0.15	U	NS		NS		NS		NS		0.15	U	NS		NS		NS		0.15	U	NS	
	26-Mar-09	NS		0.768	U	NS		NS		NS		1.54	U	NS		NS		NS		NS		0.154	U
	29-Apr-09	NS		NS		0.154	U	NS		NS		NS		0.154	U	NS		NS		0.154	U	NS	
	22-Jul-09	0.768	U	NS		31.3	U	1.54	U	NS		0.768	U	NS		NS		NS		0.154	U	NS	
	9-Oct-09	NS		0.154	U	NS		NS		NS		0.154	U	NS		0.154	U	32	U	0.154	U	NS	
	15-Jan-10	0.154	U	NS		0.154	U	0.154	U	NS		NS		0.154	U	NS		NS		0.154	U	0.154	U
	21-Apr-10	NS		0.154	U	NS		NS		0.768	U	NS		0.768	U	0.768	U	NS		0.154	U	NS	
	16-Jul-10	0.154	U	NS		0.154	U	0.154	U	NS		1.16	U	NS		NS		NS		0.154	U	0.154	U
	15-Oct-10	NS		0.154	U	NS		NS		NS		0.154	U	NS	U8	0.154	U	NS		0.154	U	NS	
	26-Jan-11	1.54	U	0.154	U	NS		0.154	U	NS		0.768	U	NS		0.768	U	0.768	U	0.768	U	0.768	U
	28-Feb-11	NS		NS		1.54	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.154	U	NS		NS		NS		0.154	U	NS		0.154	U	NS		0.154	U	NS	
	26-Jul-11	0.512	U	NS		0.512	U	0.154	U	NS		0.768	U	NS		NS		NS		0.154	U	0.768	U
	28-Oct-11	NS		3.8	U	NS		NS		NS		3.8	U	NS		3.8	U	3.8	U	NS		NS	
	23-Jan-12	0.77	U	NS		0.77	U	0.77	U	NS		0.77	U	NS		0.77	U	NS		0.77	U	0.77	U
	13-Apr-12	NS		0.38	U	NS		NS		NS		0.38	U	NS		0.38	U	0.38	U	NS		NS	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		1.9	U
	23-Jun-12	0.77	U	NS		0.77	U	0.77	U	NS		0.77	U	NS		NS		NS		0.77	U	0.77	U
1-Nov-12	NS		0.077	U	NS		NS		NS		0.077	U	NS		0.077	U	0.077	U	NS		NS		
1-Feb-13	0.077	U	NS		0.077	U	0.077	U	NS		NS		0.077	U	NS		NS		0.077	U	NS		
29-Apr-13	NS		0.19	U	NS		NS		NS		0.077	U	NS		0.077	U	0.077	U	NS		NS		
9-Jul-13	0.12	U	NS		0.077	U	0.077	U	NS		NS		NS		NS		NS		0.077	U	NS		
18-Oct-13	NS		0.15	U	NS		NS		NS		0.15	U	NS		0.15	U	0.15	U	NS		NS		
9-Jan-14	0.15	U	NS		0.15	U	0.15	U	NS		0.15	U	NS		NS		NS		0.15	U	NS		
24-Apr-14	NS		0.077	U	NS		NS		NS		0.077	U	NS		0.077	U	0.077	U	NS		0.077	U	
1-Aug-14	0.15	U	NS		0.23	U	0.23	U	NS		NS		NS		NS		NS		0.15	U	NS		
27-Aug-14	NS		NS		NS		NS		NS		NS		0.077	U	NS		NS		NS		NS		
1,2-Dichlorobenzene	8-Feb-08	0.12	U	NS		NS		NS		0.12	U	NS		NS		NS		0.12	U	0.55		NS	
	27-Mar-08	NS		0.12	U	NS		NS		NS		0.12	U	NS		NS		NS		0.12	U	0.12	U
	25-Apr-08	NS		NS		0.12	U	NS		NS		NS		0.12	U	NS		NS		0.12	U	NS	
	29-May-08	NS		NS		NS		0.12	U	NS		NS		NS		0.12	U	NS		0.12	U	NS	
	27-Jun-08	0.187	U	NS		NS		NS		0.12	U	NS		NS		NS		NS		0.12	U	NS	
	31-Jul-08	NS		0.12	U	NS		NS		NS		NS		NS		NS		NS		0.12	U	NS	
	28-Aug-08	NS		NS		0.12	U	NS		NS		NS		NS		0.12	U	NS		0.12	U	NS	
	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		NS		3	U	NS	
	25-Nov-08	NS		3	U	NS		NS		NS		3	U	NS		NS		NS		3	U	NS	
	18-Dec-08	NS		NS		3	U	NS		NS		NS		3	U	NS		NS		3	U	3	U
	21-Jan-09	NS		NS		NS		3	U	NS		NS		NS		3	U	NS		3	U	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	U	NS		NS		NS		0.12	U	NS		NS		0.12	U	NS	
	22-Jul-09	0.601	U	NS		24	U	1.2	U	NS		0.601	U	NS		NS		NS		0.12	U	NS	
	9-Oct-09	NS		0.12	U	NS		NS		0.12	U	NS		0.12	U	25.1	U	NS		0.12	U	NS	
	15-Jan-10	0.12	U	NS		0.12	U	0.12	U	NS		NS		0.12	U	NS		NS		0.12	U	NS	
	21-Apr-10	NS		0.12	U	NS		NS		0.601	U	NS		0.601	U	0.601	U	0.601	U	0.12	U	NS	
	16-Jul-10	0.12	U	NS		0.12	U	0.12	U	NS		0.907	U	NS		NS		NS		0.12	U	1.2	U
	15-Oct-10	NS		0.12	U	NS		NS		0.12	U	NS		0.12	U	0.12	U	NS		0.12	U	NS	
	26-Jan-11	1.2	U	0.12	U	NS		0.12	U	NS		0.601	U	NS		0.601	U	0.601	U	0.601	U	0.601	U
	28-Feb-11	NS		NS		1.2	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.12	U	NS		NS		0.12	U	NS		0.12	U	0.12	U	NS		0.12	U	NS	
	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	
	23-Jan-12	0.6	U	NS		0.6	U	0.1	U	NS		0.6	U	NS		NS		NS		0.6	U	7.5	U
	13-Apr-12	NS		0.6	U	NS		NS		0.6	U	NS		0.6	U	0.6	U	NS		0.6	U	NS	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		3	U
	23-Jun-12	0.6	U	NS		0.6	U	0.6	U	NS		0.6	U	NS		NS		NS		0.6	U	0.6	U
1-Nov-12	NS		0.12	U	NS		NS		0.12	U	NS												

**Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2014**

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			
		Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual		
1,3-Dichlorobenzene	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		0.12	U	NS		0.6		NS		0.12	U	NS		NS		NS		0.12	U	0.12	U		
	25-Apr-08	NS		NS		0.12	U	NS		NS		NS		0.12	U	NS		0.12	U	NS		0.12	U		
	29-May-08	NS		NS		NS		1.18		NS		NS		NS		3.47		0.62		0.22		NS			
	27-Jun-08	0.187	U	NS		NS		NS		0.257		NS		NS		NS		NS		0.12	U	0.12	U		
	31-Jul-08	NS		0.822		NS		NS		NS		NS		NS		NS		0.136		NS		0.12	U		
	28-Aug-08	NS		NS		0.12	U	NS		NS		NS		0.12	U	NS		0.12	U	0.12	U	NS			
	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		NS		3	U	NS		NS		3	U	NS		3	U		
	25-Nov-08	NS		3	U	NS		NS		NS		NS		NS		NS		3	U	3	U	3	U		
	18-Dec-08	NS		NS		3	U	NS		NS		NS		NS		3	U	NS		NS		3	U		
	21-Jan-09	NS		NS		NS		3	U	NS		NS		NS		3	U	3	U	NS		3	U		
	25-Feb-09	3	U	NS		NS		NS		NS		3	U	NS		NS		3	U	3	U	NS			
	26-Mar-09	NS		0.601	U	NS		NS		NS		NS		1.2	U	NS		NS		NS		0.12	U	0.12	U
	29-Apr-09	NS		NS		0.12	U	NS		NS		NS		NS		0.12	U	NS		0.12	U	NS		0.12	U
	22-Jul-09	0.601	U	NS		24.5	U	1.2	U	NS		0.601	U	NS		NS		0.12	U	0.36		NS		NS	
	9-Oct-09	NS		0.12	U	NS		NS		NS		0.12	U	NS		0.12	U	25.1	U	0.12	U	NS		0.12	U
	15-Jan-10	0.12		NS		0.12	U	0.12	U	NS		NS		NS		NS		NS		0.12	U	0.12	U	NS	
	21-Apr-10	NS		0.12	U	NS		NS		0.601	U	NS		0.601	U	0.601	U	0.12	U	NS		NS		0.12	U
	16-Jul-10	0.595		NS		0.685		1.99		NS		0.907	U	NS		NS		0.132		0.162		NS		NS	
	15-Oct-10	NS		0.12	U	NS		0.12	U	NS		0.12	U	NS		0.12	U	0.12	U	NS		0.12	U	NS	
	26-Jan-11	1.2	U	0.12	U	NS		0.12	U	NS		0.601	U	NS		0.601	U	0.601	U	0.601	U	0.601	U	NS	
	28-Feb-11	NS		NS		1.2	U	NS		NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.12	U	NS		NS		0.42		NS		0.156		0.12	U	0.12	U	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	NS	
	28-Oct-11	NS		3	U	NS		NS		3	U	NS		3	U	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		NS	
	13-Apr-12	NS		0.6	U	NS		NS		0.6	U	NS		0.6	U	2	U	0.6	U	NS		0.6	U	NS	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		3	U	NS	
	23-Jun-12	0.6	U	NS		0.6	U	0.6	U	NS		0.6	U	NS		NS		0.6	U	0.6	U	0.6	U	NS	
	1-Nov-12	NS		1.2		NS		NS		2.6		NS		6		2.2		0.18		NS		NS		0.12	U
	1-Feb-13	0.18		NS		0.34		0.56		NS		NS		NS		NS		0.17		NS		0.12	U	NS	
	29-Apr-13	NS		1.3		NS		NS		NS		4.5		NS		6.5		6		0.12	U	NS		0.14	U
	9-Jul-13	1.3		NS		2.0		3.9		NS		NS		3.8		NS		0.12	U	0.12	U	NS		NS	
18-Oct-13	NS		0.52		NS		NS		1.4		NS		2.2		NS		0.16		NS		0.22		NS		
9-Jan-14	0.58		NS		0.9		1.1		NS		NS		0.84		NS		3.0		4.1		NS		NS		
24-Apr-14	NS		0.12	U	NS		NS		0.14		NS		NS		0.12	U	0.12	U	0.1	U	0.12	U	0.18	U	
1-Aug-14	4.2		NS		4.8/6.7		4.9/7.6		NS		NS		NS		NS		3.6		5.1/6.2		NS		NS		
27-Aug-14	NS		NS		NS		NS		NS		NS		0.80		NS		NS		NS		NS		NS		
1,4-Dichlorobenzene	8-Feb-08	1.56		NS		NS		NS		0.26		NS		NS		NS		9.5		7.91		NS		NS	
	27-Mar-08	NS		4.33		NS		NS		NS		8.48		NS		NS		NS		6.28		15.1		NS	
	25-Apr-08	NS		NS		0.347		NS		NS		NS		NS		NS		17.9		NS		16.3		NS	
	29-May-08	NS		NS		NS		5.5		NS		NS		NS		NS		10		4.18		NS		NS	
	27-Jun-08	47.3		NS		NS		NS		38.1		NS		NS		NS		NS		40.8		57.9		NS	
	31-Jul-08	NS		2.46		NS		NS		NS		NS		NS		NS		1.84		NS		2.04		NS	
	28-Aug-08	NS		NS		234		NS		NS		NS		NS		214		NS		229		NS		NS	
	30-Sep-08	NS		NS		NS		7.2		NS		NS		NS		3	U	NS		3	U	6.8		5.6	
	27-Oct-08	3	U	NS		NS		NS		3	U	NS		NS		NS		3	U	NS		3	U	NS	
	25-Nov-08	NS		3	U	NS		NS		NS		NS		3	U	NS		3	U	3	U	NS		NS	
	18-Dec-08	NS		NS		3	U	NS		NS		NS		4.7		NS		NS		NS		10.3		17.1	
	21-Jan-09	NS		NS		NS		3	U	NS		NS		NS		NS		3	U	NS		NS		27.2	
	25-Feb-09	3	U	NS		NS		NS		3	U	NS		NS		NS		3	U	3	U	NS		NS	
	26-Mar-09	NS		5.43		NS		*		NS		4.87		NS		NS		NS		NS		20.6		33	
	29-Apr-09	NS		NS		1.2		NS		NS		NS		NS		1.91		NS		4.12		NS		4.25	
	22-Jul-09	0.601	U	NS		24.5	U	1.2	U	NS		0.601	U	NS		NS		NS		0.348		0.613		NS	
	9-Oct-09	NS		3.31		NS		NS		3.44		NS		2.79		NS		25.1	U	6.95		NS		3.82	
	15-Jan-10	0.12		NS		1.06		0.715		NS		0.823		NS		NS		2		1.98		NS		NS	
	21-Apr-10	NS		0.12	U	NS		NS		0.601	U	NS		0.601	U	0.601	U	3.27		NS		NS		2.84	
	16-Jul-10	1.78		NS		2.3		2.86		NS		1.36		NS		NS		1.63		5.05		NS		NS	
	15-Oct-10	NS		0.685		NS		NS		1.75		NS		1.37		NS		1.48		1.8		NS		2.47	
	26-Jan-11	1.2	U	0.12	U	NS		0.12	U	NS		0.601	U	NS		0.601	U	0.601	U	0.601	U	NS		NS	
	28-Feb-11	NS		NS		1.2	U	NS		NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.985		NS		NS		1.08		NS		0.967		NS		1.14		NS		NS		1.24	
	26-Jul-11	5.45		NS		5.21		0.715		NS		5.26		NS		NS		5.54		NS		4.69		NS	
	28-Oct-11	NS		3	U	NS		NS		3	U	NS		3	U	3	U	3	U	NS		3	U	NS	
	23-Jan-12	0.6	U	NS		0.6	U	0.6	U	NS		NS		NS		NS		0.6	U	0.66		NS		NS	
	13-Apr-12	NS		0.6	U	NS		NS		0.6	U	NS		0.6	U	0.6	U	0.6	U	0.6	U	NS		0.6	U
	2-Jul-12 (resample)</																								

**Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2014**

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	
		Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Dichlorodifluoromethane	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		NS		1.62		1.68		1.66		NS	
	27-Jun-08	2.03		NS		NS		NS		2.52		NS		NS		NS		NS		2.27		2.48	
	31-Jul-08	NS		1.9		NS		NS		NS		NS		NS		NS		1.81		NS		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		NS		2.5	U	NS		2.5		2.7	U
	27-Oct-08	2.5	U	NS		NS		NS		NS	U	NS		NS		NS		2.5	U	NS		2.5	U
	25-Nov-08	NS		215		NS		NS		NS		11.7		NS		NS		2.5	U	5.1		NS	
	18-Dec-08	NS		NS		25		NS		NS		NS		2.5	U	NS		NS		2.5	U	2.5	U
	21-Jan-09	NS		NS		NS		2.5	U	NS		NS		NS		5.8		2.5	U	NS		2.5	U
	25-Feb-09	2.5	U	NS		NS		NS		19.4		NS		NS		NS		2.5	U	3.4		NS	
	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		NS		3.78		NS		2.26		NS		2.4	
	22-Jul-09	2.42		NS		2.42		2.72		NS		2.5		2.37		NS		2.37		2.48		NS	
	9-Oct-09	NS		2.73		NS		NS		NS		2.77		NS		3.67		51.6	U	2.64		NS	
	15-Jan-10	2.5		NS		3.57		2.52		NS		2.61		NS		NS		NS		2.29		2.25	
	21-Apr-10	NS		0.568		NS		NS		2.2		NS		2.59		NS		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		NS		2.41		NS		2.43	
	26-Jan-11	2.47	U	2.2		NS		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		NS	
	27-Apr-11	NS		2.18		NS		NS		2.27		NS		NS		2.5		2.32		NS		2.31	
	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		NS		2.9		NS		3.1	
	23-Jan-12	2.5		NS		2.6		NS		2.6		NS		2.7		NS		2.6		NS		2.6	
	13-Apr-12	NS		2.5		NS		NS		2.9		NS		NS		2.4		3.2		2.5		2.8	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		2.8	
	23-Jun-12	2.6		NS		2.3		2.5		NS		2.3		NS		NS		2.3		2.3		NS	
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		2.2		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		2.0		NS		2.1		
9-Jan-14	1.5		NS		1.2		1.3		NS		1.4		NS		NS		1.5		NS		NS		
24-Apr-14	NS		2.7		NS		NS		2.6		NS		2.3		2.6		2.7		NS		3.1		
1-Aug-14	1.1		NS		2.2/1.5		2.3/1.6		NS		NS		NS		NS		1.6		2.2/1.6		NS		
27-Aug-14	NS		NS		NS		NS		NS		2.9/3.3		NS		NS		NS		NS		NS		
1,1-Dichloroethane	8-Feb-08	0.08	U	NS		NS		NS		0.08	U	NS		NS		NS		0.08	U	0.08	U	NS	
	27-Mar-08	NS		0.081	U	NS		NS		NS		0.081	U	NS		NS		NS		0.081	U	0.081	U
	25-Apr-08	NS		NS		0.081	U	NS		NS		NS		0.081	U	NS		0.081	U	NS		0.081	U
	29-May-08	NS		NS		NS		0.08	U	NS		NS		NS		0.08	U	0.08	U	0.08	U	NS	
	27-Jun-08	0.126	U	NS		NS		NS		0.081	U	NS		NS		NS		NS		0.081	U	0.081	U
	31-Jul-08	NS		0.081	U	NS		NS		NS		NS		NS		NS		0.081	U	NS		0.081	U
	28-Aug-08	NS		NS		0.081	U	NS		NS		NS		0.081	U	NS		0.081	U	0.081	U	NS	
	27-Oct-08	NS		NS		NS		2	U	NS		NS		NS		2	U	NS		2	U	2	U
	27-Oct-08	2	U	NS		NS		NS		2	U	NS		NS		NS		2	U	NS		2	U
	25-Nov-08	NS		2	U	NS		NS		NS		2	U	NS		NS		2	U	2	U	NS	
	18-Dec-08	NS		NS		2	U	NS		NS		NS		2	U	NS		NS		2	U	2	U
	21-Jan-09	NS		NS		NS		2	U	NS		NS		NS		2	U	2	U	NS		2	U
	25-Feb-09	2	U	NS		NS		NS		2	U	NS		NS		NS		2	U	2	U	NS	
	26-Mar-09	NS		0.404	U	NS		NS		NS		0.809	U	NS		NS		NS		0.081	U	0.081	U
	29-Apr-09	NS		NS		0.19		NS		NS		NS		0.081	U	NS		0.121		NS		0.081	U
	22-Jul-09	0.404	U	NS		16.5	U	0.801	U	NS		0.404	U	NS		NS		0.081	U	NS		0.081	U
	9-Oct-09	NS		0.081	U	NS		NS		0.081	U	NS		0.081	U	16.9	U	0.081	U	NS		0.081	U
	15-Jan-10	0.137	U	NS		0.081	U	0.801	U	NS		NS		NS		NS		0.081	U	0.081	U	NS	
	21-Apr-10	NS		0.081	U	NS		NS		0.404	U	NS		0.404	U	NS		0.404	U	0.081	U	NS	
	16-Jul-10	0.081	U	NS		2.48		0.081	U	NS		0.611	U	NS		NS		0.081	U	0.081	U	NS	
	15-Oct-10	NS		0.081	U	NS		NS		0.081	U	NS		0.081	U	NS		0.081	U	NS		0.081	U
	26-Jan-11	0.809	U	0.081	U	NS		0.081	U	NS		7.37	U	NS		0.404	U	0.404	U	NS		NS	
	28-Feb-11	NS		NS		0.809	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.081	U	NS		NS		0.081	U	NS		0.081	U	NS		0.081	U	NS		0.081	U
	26-Jul-11	0.27	U	NS		0.27	U	0.081	U	NS		0.405	U	NS		NS		0.081	U	0.081	U	NS	
	28-Oct-11	NS		2	U	NS		NS		2	U	NS		2	U	2	U	2	U	NS		2	U
	23-Jan-12	0.4	U	NS		0.4	U	0.4	U	NS		0.4	U	NS		NS		0.4	U	NS		NS	
	13-Apr-12	NS		0.2	U	NS		NS		0.2	U	NS		0.2	U	NS		0.2	U	NS		0.2	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		1	U
	23-Jun-12	0.4	U	NS		0.4	U	0.4	U	NS		0.4	U	NS		NS		0.4	U	0.4	U	NS	
1-Nov-12	NS		0.04	U	NS		NS		0.04	U	NS		0.04	U	0.04	U	0.040	U	NS		0.04	U	
1-Feb-13	0.04	U	NS		0.04	U	0.04	U	NS		0.04	U	NS		NS		0.040	U	0.040	U	NS		

**Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2014**

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	
		Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
1,2-Dichloroethane	8-Feb-08	0.08	U	NS		NS		NS		0.08	U	NS		NS		NS		0.09		0.08	U	NS	
	27-Mar-08	NS		0.081	U	NS		NS		NS		0.143		NS		NS		NS		0.081	U	0.1	
	25-Apr-08	NS		NS		0.081	U	NS		NS		NS		0.081	U	NS		0.081	U	NS		0.089	
	29-May-08	NS		NS		NS		0.09		NS		NS		NS		0.11		0.08	U	0.08	U	NS	
	27-Jun-08	0.126	U	NS		NS		NS		0.153		NS		NS		NS		NS		0.11		0.081	U
	31-Jul-08	NS		0.081	U	NS		NS		NS		NS		NS		NS		0.081	U	NS		0.081	U
	28-Aug-08	NS		NS		0.171		NS		NS		NS		NS		NS		0.081	U	0.081	U	NS	
	27-Oct-08	NS		NS		NS		0.08	U	NS		NS		NS		0.08	U	NS		0.08	U	0.08	U
	27-Oct-08	0.08	U	NS		NS		NS		NS		0.08	U	NS		NS		0.08	U	NS		0.095	
	25-Nov-08	NS		0.08	U	NS		NS		NS		0.08	U	NS		NS		0.08	U	0.08	U	NS	
	18-Dec-08	NS		NS		0.08	U	NS		NS		NS		0.08	U	NS		NS		0.08	U	0.08	U
	21-Jan-09	NS		NS		NS		0.08	U	NS		NS		NS		0.08	U	0.08	U	NS		0.08	U
	25-Feb-09	0.08	U	NS		NS		NS		NS		0.08	U	NS		NS		0.08	U	0.08	U	NS	
	26-Mar-09	NS		0.404	U	NS		NS		NS		0.809	U	NS		NS		NS		0.098		0.133	
	29-Apr-09	NS		NS		0.319		NS		NS		NS		0.081	U	NS		0.081	U	NS		0.089	
	22-Jul-09	0.404	U	NS		16.5	U	0.809	U	NS		0.404	U	NS		NS		0.081	U	0.081	U	NS	
	9-Oct-09	NS		0.081	U	NS		NS		NS		0.081	U	NS		0.081	U	16.9	U	0.081	U	NS	U
	15-Jan-10	0.081	U	NS		0.081	U	0.081	U	NS		NS		0.081	U	NS		NS		0.081	U	0.081	U
	21-Apr-10	NS		0.081	U	NS		NS		0.404	U	NS		0.404	U	0.404	U	0.081	U	NS		0.081	U
	16-Jul-10	0.101		NS		1.44		0.081	U	NS		0.611	U	NS		NS		0.081	U	0.081	U	NS	
	15-Oct-10	NS		0.081	U	NS		NS		0.081	U	NS		0.081	U	NS		0.081	U	0.081	U	NS	U
	26-Jan-11	0.809	U	0.081	U	NS		0.081	U	NS		0.404	U	NS		0.404	U	0.404	U	0.404	U	NS	
	28-Feb-11	NS		NS		0.809	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.081	U	NS		NS		NS		0.081	U	NS		0.081	U	0.081	U	0.081	U	NS	0.081
	26-Jul-11	0.27	U	NS		0.27	U	0.101	U	NS		0.405	U	NS		NS		0.081	U	0.405	U	NS	
	28-Oct-11	NS		2	U	NS		NS		2	U	NS		2	U	2	U	2	U	NS		2	U
	23-Jan-12	0.2	U	NS		0.2	U	0.2	U	NS		0.2	U	NS		NS		NS		0.2	U	0.97	NS
	13-Apr-12	NS		0.2	U	NS		NS		0.2	U	NS		0.2	U	0.2	U	NS		NS		0.2	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		1	U	NS	
	23-Jun-12	0.4	U	NS		0.4	U	0.4	U	NS		0.4	U	NS		NS		0.4	U	0.4	U	NS	
	1-Nov-12	NS		0.04	U	NS		NS		0.04	U	NS		0.04	U	0.04	U	0.04	U	NS		0.057	
	1-Feb-13	0.053		NS		0.062		NS		0.062		NS		0.05		NS		0.066		0.066		NS	
29-Apr-13	NS		0.19		NS		NS		NS		0.06		NS		0.04	U	0.081		NS		0.094		
9-Jul-13	0.12	U	NS		0.081	U	0.081	U	NS		0.081	U	NS		NS		0.092		0.081	U	NS		
18-Oct-13	NS		0.081	U	NS		NS		0.081	U	NS		0.081	U	NS		0.081	U	NS		0.081	U	
9-Jan-14	0.081	U	NS		0.040	U	0.040	U	NS		0.040	U	NS		NS		0.081		0.040	U	NS		
24-Apr-14	NS		0.04	U	NS		NS		0.04	U	NS		0.04	U	0.04	U	0.04	U	0.04	U	0.073		
1-Aug-14	0.040	U	NS		0.170		0.061	U	NS		NS		NS		NS		0.04	U	0.040	U	NS		
27-Aug-14	NS		NS		NS		NS		NS		0.040	U	NS		NS		NS		NS		NS		
1,1-Dichloroethene	8-Feb-08	0.08	U	NS		NS		NS		0.08	U	NS		NS		NS		0.08	U	0.08	U	NS	
	27-Mar-08	NS		0.079	U	NS		NS		NS		0.079	U	NS		NS		NS		0.079	U	0.079	U
	25-Apr-08	NS		NS		0.079	U	NS		NS		NS		0.079	U	NS		0.079	U	NS		0.079	U
	29-May-08	NS		NS		NS		0.08	U	NS		NS		NS		0.08	U	0.08	U	NS		NS	
	27-Jun-08	0.123	U	NS		NS		NS		0.079	U	NS		NS		NS		NS		0.079	U	0.079	U
	31-Jul-08	NS		0.079	U	NS		NS		NS		NS		NS		NS		0.079	U	NS		0.079	U
	28-Aug-08	NS		NS		0.079	U	NS		NS		NS		0.079	U	NS		0.079	U	0.079	U	NS	
	30-Sep-08	NS		NS		2	U	NS		2	U	NS		NS		2	U	NS		2	U	2	U
	27-Oct-08	2	U	NS		NS		NS		2	U	NS		NS		NS		2	U	NS		2	U
	25-Nov-08	NS		2	U	NS		NS		2	U	NS		2	U	NS		2	U	2	U	NS	
	18-Dec-08	NS		NS		2	U	NS		NS		NS		2	U	NS		NS		2	U	2	U
	21-Jan-09	NS		NS		NS		2	U	NS		NS		NS		2	U	2	U	NS		2	U
	25-Feb-09	2	U	NS		NS		NS		2	U	NS		NS		NS		2	U	2	U	NS	
	26-Mar-09	NS		0.396	U	NS		NS		NS		0.792	U	NS		NS		NS		0.079	U	0.079	U
	29-Apr-09	NS		NS		0.079	U	NS		NS		NS		0.079	U	NS		0.079	U	NS		0.079	U
	22-Jul-09	0.396	U	NS		16.2	U	0.792	U	NS		0.396	U	NS		NS		0.079	U	0.079	U	NS	
	9-Oct-09	NS		0.079	U	NS		NS		0.079	U	NS		0.079	U	16.5	U	0.079	U	NS		0.079	U
	15-Jan-10	0.137	U	NS		0.079	U	0.079	U	NS		0.079	U	NS		NS		0.079	U	0.079	U	NS	
	21-Apr-10	NS		0.079	U	NS		NS		0.396	U	NS		0.396	U	0.396	U	0.079	U	NS		0.079	U
	16-Jul-10	0.079	U	NS		0.206		0.079	U	NS		0.598	U	NS		NS		0.079	U	0.079	U	NS	
	15-Oct-10	NS		0.079	U	NS		NS		0.079	U	NS		0.079	U	0.079	U	0.079	U	NS		0.079	U
	26-Jan-11	0.792	U	0.079	U	NS		0.079	U	NS		0.396	U	NS		3.96	U	0.396	U	0.396	U	NS	
	28-Feb-11	NS		NS		0.792	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.079	U	NS		NS		0.079	U	NS		0.079	U	0.079	U	0.079	U	NS		0.079	U
	26-Jul-11	0.264	U	NS		0.264	U	0.079	U	NS		0.396	U	NS		NS		0.079	U	0.396	U	NS	
	28-Oct-11	NS		2	U	NS		NS		2	U	NS		2	U	2	U	2	U	NS		2	U
	23-Jan-12	0.4	U	NS		0.4	U	0.4	U	NS		0.4	U	NS		NS		0.4	U	0.4	U	NS	
	13-Apr-12	NS		0.2	U	NS		NS		0.2	U	NS		0.2	U	0.2	U	0.2	U	NS		0.2	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		0.99	U	NS	
	23-Jun-12	0.4	U	NS		0.4	U	0.4	U	NS		0.4	U	NS		NS		0.4	U	0.4	U	NS	
	1-Nov-12	NS		0.04	U	NS		NS		0.04	U	NS		0.04	U	0.04	U	0.040	U	NS		0.04	U
	1-Feb-13	0.04	U	NS		0.04	U	0.04	U	NS		0.04	U	NS		NS		0.040	U	0.040	U	NS	
29-Apr-13	NS		0.099	U	NS		NS		NS		0.04	U	NS		0.04	U	0.040	U	NS		0.04	U	
9-Jul-13	0.059	U	NS		0.040	U	0.040	U	NS		0.040	U	NS		NS		0.040	U	0.040	U	NS		
18-Oct-13	NS		0.079	U	NS		NS		0.079	U	NS		0.079	U	0.079	U	0.079	U	NS		0.079	U	
9-Jan-14	0.079	U	NS		0.081	U	0.079	U	NS		0.079	U	NS		NS		0.079	U	0.079	U	NS		
24-Apr-14	NS		0.04	U	NS		NS		0.04	U	NS		0.04	U	0.04	U	0.040	U	0.040	U	0.12	U	
1-Aug-14	0.079	U	NS		0.120	U	0.420	U	NS		NS		NS		NS		0.079	U	0.079	U	NS		
27-Aug-14	NS		NS		NS		NS		NS		0.040	U	NS		NS		NS						

Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2014

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	
		Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
cis-1,2-Dichloroethene*	8-Feb-08	0.08	U	NS		NS		NS		0.08	U	NS		NS		NS		0.08	U	0.08	U	NS	
	27-Mar-08	NS		0.079	U	NS		NS		NS		0.079	U	NS		NS		NS		0.079	U	0.079	U
	25-Apr-08	NS		NS		0.079	U	NS		NS		NS		0.079	U	NS		0.079	U	NS		0.079	U
	29-May-08	NS		NS		NS		0.08		NS		NS		NS		0.08	U	NS		0.08	U	NS	
	27-Jun-08	0.123	U	NS		NS		NS		0.079	U	NS		NS		NS		NS		0.079	U	NS	
	31-Jul-08	NS		0.079	U	NS		NS		NS		NS		NS		NS		0.079	U	NS		0.079	U
	28-Aug-08	NS		NS		0.079	U	NS		NS		NS		0.079	U	NS		0.079	U	NS		0.079	U
	30-Sep-08	NS		NS		NS		5.9	U	NS		NS		NS		5.9	U	NS		5.9	U	NS	
	27-Oct-08	2	U	NS		NS		NS		2	U	NS		NS		NS		2	U	NS		2	U
	25-Nov-08	NS		2	U	NS		NS		NS		NS		2	U	NS		2	U	NS		2	U
	18-Dec-08	NS		NS		2	U	NS		NS		NS		NS		NS		NS		NS		2	U
	21-Jan-09	NS		NS		NS		2	U	NS		NS		NS		2	U	NS		2	U	NS	
	25-Feb-09	2	U	NS		NS		NS		2	U	NS		NS		NS		2	U	NS		2	U
	26-Mar-09	NS		0.396	U	NS		NS		NS		0.792	U	NS		NS		NS		NS		0.079	U
	29-Apr-09	NS		NS		0.079	U	NS		NS		NS		0.079	U	NS		0.079	U	NS		NS	
	22-Jul-09	0.396	U	NS		595		0.792	U	NS		0.396	U	NS		NS		0.079	U	NS		0.079	U
	9-Oct-09	NS		0.079	U	NS		NS		NS		0.079	U	NS		0.079	U	16.5	U	0.079	U	NS	
	15-Jan-10	0.079	U	NS		0.079	U	0.079	U	NS		NS		0.079	U	NS		NS		0.079	U	0.079	U
	21-Apr-10	NS		0.079	U	NS		NS		0.396	U	NS		0.396	U	NS		0.396	U	0.079	U	NS	
	16-Jul-10	0.079	U	NS		0.079	U	0.079	U	NS		0.598	U	NS		NS		NS		0.079	U	0.079	U
	15-Oct-10	NS		0.079	U	NS		NS		0.079	U	NS		NS		0.079	U	NS		0.079	U	NS	
	26-Jan-11	0.792	U	0.079	U	NS		0.079	U	NS		0.396	U	NS		0.396	U	0.396	U	0.396	U	0.396	U
	28-Feb-11	NS		NS		0.792	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.079	U	NS		NS		NS		0.079	U	NS		0.079	U	0.079	U	0.079	U	NS	
	26-Jul-11	0.264	U	NS		0.264	U	0.079	U	NS		0.396	U	NS		NS		NS		0.079	U	0.396	U
	28-Oct-11	NS		2	U	NS		NS		2	U	NS		2	U	2	U	2	U	NS		2	U
	23-Jan-12	0.4	U	NS		0.4	U	0.4	U	NS		0.4	U	NS		NS		NS		0.4	U	0.53	NS
	13-Apr-12	NS		0.2	U	NS		NS		0.2	U	NS		0.2	U	0.2	U	0.2	U	NS		NS	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		0.99	U
	23-Jun-12	0.4	U	NS		0.4	U	0.4	U	NS		0.4	U	NS		NS		NS		0.4	U	0.4	U
	1-Nov-12	NS		0.04	U	NS		NS		0.04	U	NS		0.04	U	0.04	U	0.04	U	NS		NS	
	1-Feb-13	0.04	U	NS		0.04	U	0.04	U	NS		NS		NS		NS		NS		0.04	U	NS	
29-Apr-13	NS		0.2	U	NS		NS		NS		0.079	U	NS		0.079	U	0.079	U	NS		NS		
9-Jul-13	0.059	U	NS		0.040	U	0.040	U	NS		0.054	U	NS		NS		0.040	U	0.040	U	0.040	U	
18-Oct-13	NS		0.079	U	NS		NS		NS		0.079	U	NS		0.079	U	NS		0.079	U	NS		
9-Jan-14	0.079	U	NS		0.079	U	0.079	U	NS		0.079	U	NS		NS		NS		0.079	U	0.079	U	
24-Apr-14	NS		0.04	U	NS		NS		0.04	U	NS		NS		0.04	U	0.04	U	0.040	U	0.040	U	
1-Aug-14	0.079	U	NS		0.120	U	0.120	U	NS		NS		NS		NS		NS		0.079	U	0.079	U	
27-Aug-14	NS		NS		NS		NS		NS		NS		0.040	U	NS		NS		NS		NS		
trans-1,2-Dichloroethene*	8-Feb-08	0.08	U	NS		NS		NS		0.08	U	NS		NS		NS		0.08	U	0.08	U	NS	
	27-Mar-08	NS		0.079	U	NS		NS		NS		0.079	U	NS		NS		NS		0.079	U	0.079	U
	25-Apr-08	NS		NS		0.079	U	NS		NS		NS		0.079	U	NS		NS		NS		0.079	U
	29-May-08	NS		NS		NS		0.08		NS		NS		NS		0.08	U	NS		0.08	U	NS	
	27-Jun-08	0.123	U	NS		NS		NS		0.079	U	NS		NS		NS		NS		0.079	U	NS	
	31-Jul-08	NS		0.079	U	NS		NS		NS		NS		NS		NS		0.079	U	NS		0.079	U
	28-Aug-08	NS		NS		0.079	U	NS		NS		NS		0.079	U	NS		0.079	U	NS		NS	
	30-Sep-08	NS		NS		NS		2	U	NS		NS		NS		2	U	NS		2	U	NS	
	27-Oct-08	2	U	NS		NS		NS		2	U	NS		NS		NS		NS		2	U	NS	
	25-Nov-08	NS		2	U	NS		NS		NS		2	U	NS		NS		2	U	NS		2	U
	18-Dec-08	NS		NS		2	U	NS		NS		NS		NS		NS		NS		NS		2	U
	21-Jan-09	NS		NS		NS		2	U	NS		NS		NS		2	U	NS		2	U	NS	
	25-Feb-09	2	U	NS		NS		NS		2	U	NS		NS		NS		2	U	NS		2	U
	26-Mar-09	NS		0.396	U	NS		NS		NS		0.792	U	NS		NS		NS		NS		0.079	U
	29-Apr-09	NS		NS		0.079	U	NS		NS		NS		0.079	U	NS		0.079	U	NS		NS	
	22-Jul-09	0.396	U	NS		0.396	U	0.792	U	NS		0.396	U	NS		NS		0.079	U	NS		0.079	U
	9-Oct-09	NS		0.079	U	NS		NS		0.079	U	NS		0.079	U	16.5	U	0.079	U	NS		NS	
	15-Jan-10	0.079	U	NS		0.079	U	0.079	U	NS		NS		NS		NS		NS		0.079	U	0.079	U
	21-Apr-10	NS		0.079	U	NS		NS		0.396	U	NS		3.96	U	0.396	U	0.079	U	NS		NS	
	16-Jul-10	0.079	U	NS		0.079	U	0.079	U	NS		0.598	U	NS		NS		NS		0.079	U	0.079	U
	15-Oct-10	NS		0.079	U	NS		NS		0.079	U	NS		0.079	U	NS		NS		0.079	U	NS	
	26-Jan-11	0.792	U	0.079	U	NS		0.079	U	NS		0.36	U	NS		0.396	U	0.396	U	0.396	U	NS	
	28-Feb-11	NS		NS		0.792	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.079	U	NS		NS		NS		0.079	U	NS		0.079	U	0.079	U	NS		NS	
	26-Jul-11	0.264	U	NS		0.264	U	0.079	U	NS		0.396	U	NS		NS		NS		0.079	U	0.396	U
	28-Oct-11	NS		2	U	NS		NS		2	U	NS		2	U	2	U	2	U	NS		2	U
	23-Jan-12	0.4	U	NS		0.4	U	0.4	U	NS		0.4	U	NS		NS		NS		0.4	U	0.4	U
	13-Apr-12	NS		0.2	U	NS		NS		0.2	U	NS		0.2	U	0.2	U	0.2	U	NS		NS	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		0.99	U
	23-Jun-12	0.4	U	NS		0.4	U	0.4	U	NS		0.4	U	NS		NS		NS		0.4	U	0.4	U
	1-Nov-12	NS		0.04	U	NS																	

**Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2014**

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	
		Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
1,2-Dichloropropane	8-Feb-08	0.09	U	NS		NS		NS		0.09	U	NS		NS		NS		0.09	U	0.09	U	NS	
	27-Mar-08	NS		0.092	U	NS		NS		NS		0.092	U	NS		NS		NS		0.092	U	0.092	U
	25-Apr-08	NS		NS		0.092	U	NS		NS		NS		0.092	U	NS		NS		0.092	U	NS	
	29-May-08	NS		NS		NS		0.09	U	NS		NS		NS		0.09	U	NS		0.09	U	NS	
	27-Jun-08	0.144	U	NS		NS		NS		0.092	U	NS		NS		NS		NS		0.092	U	NS	
	31-Jul-08	NS		0.092	U	NS		NS		NS		NS		NS		NS		NS		0.092	U	NS	
	28-Aug-08	NS		NS		0.092	U	NS		NS		NS		0.092	U	NS		NS		0.092	U	NS	
	30-Sep-08	NS		NS		NS		0.09	U	NS		NS		NS		0.09	U	NS		0.09	U	NS	
	27-Oct-08	0.09	U	NS		NS		NS		NS		0.09	U	NS		NS		NS		0.09	U	NS	
	25-Nov-08	NS		0.09	U	NS		NS		NS		0.09	U	NS		NS		NS		0.09	U	NS	
	18-Dec-08	NS		NS		0.09	U	NS		NS		NS		0.09	U	NS		NS		0.09	U	NS	
	21-Jan-09	NS		NS		NS		0.09	U	NS		NS		NS		0.09	U	NS		0.09	U	NS	
	25-Feb-09	0.09	U	NS		NS		NS		NS		0.09	U	NS		NS		NS		0.09	U	NS	
	26-Mar-09	NS		0.462	U	NS		NS		NS		0.924	U	NS		NS		NS		0.092	U	0.092	U
	29-Apr-09	NS		NS		0.092	U	NS		NS		NS		0.092	U	NS		NS		0.092	U	NS	
	22-Jul-09	0.462	U	NS		18.8	U	0.924	U	NS		0.462	U	NS		NS		NS		0.092	U	0.092	U
	9-Oct-09	NS		0.092	U	NS		NS		NS		0.092	U	NS		0.092	U	19.3	U	0.092	U	NS	
	15-Jan-10	0.092	U	NS		0.092	U	0.092	U	NS		NS		0.092	U	NS		NS		0.092	U	0.092	U
	21-Apr-10	NS		0.092	U	NS		NS		0.462	U	NS		0.462	U	NS		0.462	U	0.092	U	NS	
	16-Jul-10	0.092	U	NS		0.092	U	0.092	U	NS		0.698	U	NS		NS		NS		0.092	U	0.092	U
	15-Oct-10	NS		0.092	U	NS		NS		NS		0.092	U	NS		0.092	U	0.092	U	0.092	U	NS	
	26-Jan-11	0.924	U	0.092	U	NS		0.092	U	NS		0.462	U	NS		0.462	U	0.462	U	0.462	U	0.462	U
	28-Feb-11	NS		NS		0.924	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.092	U	NS		NS		0.092	U	NS		0.092	U	0.092	U	0.092	U	0.092	U	NS	
	26-Jul-11	0.308	U	NS		0.308	U	0.092	U	NS		0.462	U	NS		NS		NS		0.092	U	0.462	U
	28-Oct-11	NS		2.3	U	NS		NS		2.3	U	NS		2.3	U	2.3	U	2.3	U	NS		2.3	U
	23-Jan-12	0.23	U	NS		0.23	U	0.23	U	NS		0.23	U	NS		NS		NS		0.23	U	0.23	U
	13-Apr-12	NS		0.46	U	NS		NS		NS		0.46	U	NS		0.46	U	0.46	U	NS		0.46	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		1.2	U
	23-Jun-12	0.46	U	NS		0.46	U	0.46	U	NS		0.46	U	NS		NS		NS		0.46	U	0.46	U
1-Nov-12	NS		0.046	U	NS		NS		0.046	U	NS		0.046	U	0.046	U	0.046	U	NS		0.046	U	
1-Feb-13	0.092	U	NS		0.092	U	0.092	U	NS		0.092	U	NS		NS		NS		0.092	U	NS		
29-Apr-13	NS		0.12	U	NS		NS		0.046	U	NS		0.046	U	0.046	U	0.046	U	NS		NS		
9-Jul-13	0.14	U	NS		0.092	U	0.092	U	NS		0.092	U	NS		NS		NS		0.092	U	0.092	U	
18-Oct-13	NS		0.092	U	NS		NS		0.092	U	NS		0.092	U	NS		NS		0.092	U	NS		
9-Jan-14	0.092	U	NS		0.092	U	0.092	U	NS		0.092	U	NS		NS		NS		0.092	U	0.092	U	
24-Apr-14	NS		0.046 ^{LV}	U	NS		NS		0.046 ^{LV}	U	NS		0.046 ^{LV}	U	0.046 ^{LV}	U	0.046 ^{LV}	U	0.046 ^{LV}	U	0.046 ^{LV}	U	
1-Aug-14	0.092	U	NS		0.14	U	0.14	U	NS		NS		NS		NS		NS		0.092	U	NS		
27-Aug-14	NS		NS		NS		NS		NS		0.046	U	NS		NS		NS		NS		NS		
cis-1,3-Dichloropropene	8-Feb-08	0.09	U	NS		NS		NS		0.09	U	NS		NS		NS		0.09	U	0.09	U	NS	
	27-Mar-08	NS		0.091	U	NS		NS		NS		0.091	U	NS		NS		NS		0.091	U	0.091	U
	25-Apr-08	NS		NS		0.091	U	NS		NS		NS		0.091	U	NS		NS		0.091	U	NS	
	29-May-08	NS		NS		NS		0.09	U	NS		NS		NS		0.09	U	NS		0.09	U	NS	
	27-Jun-08	0.141	U	NS		NS		NS		0.091	U	NS		NS		NS		NS		0.091	U	0.091	U
	31-Jul-08	NS		0.091	U	NS		NS		NS		NS		NS		NS		NS		0.091	U	NS	
	28-Aug-08	NS		NS		0.091	U	NS		NS		NS		0.091	U	NS		NS		0.091	U	NS	
	27-Oct-08	NS		NS		NS		0.18	U	NS		NS		NS		0.18	U	NS		0.18	U	NS	
	27-Oct-08	0.18	U	NS		NS		NS		0.18	U	NS		NS		NS		NS		0.18	U	NS	
	25-Nov-08	NS		0.18	U	NS		NS		NS		0.18	U	NS		NS		NS		0.18	U	NS	
	18-Dec-08	NS		NS		0.18	U	NS		NS		NS		0.18	U	NS		NS		0.18	U	NS	
	21-Jan-09	NS		NS		NS		0.18	U	NS		NS		NS		0.18	U	NS		0.18	U	NS	
	25-Feb-09	0.18	U	NS		NS		NS		0.18	U	NS		NS		NS		NS		0.18	U	NS	
	26-Mar-09	NS		0.453	U	NS		NS		NS		0.907	U	NS		NS		NS		0.091	U	0.091	U
	29-Apr-09	NS		NS		0.091	U	NS		NS		NS		0.091	U	NS		NS		0.091	U	NS	
	22-Jul-09	0.453	U	NS		18.5	U	0.907	U	NS		0.453	U	NS		NS		NS		0.091	U	0.091	U
	9-Oct-09	NS		0.091	U	NS		NS		0.091	U	NS		0.091	U	18.9	U	0.091	U	NS		0.091	U
	15-Jan-10	0.091	U	NS		0.091	U	0.091	U	NS		0.091	U	NS		NS		NS		0.091	U	NS	
	21-Apr-10	NS		0.091	U	NS		NS		0.453	U	NS		0.453	U	NS		0.453	U	0.091	U	NS	
	16-Jul-10	0.091	U	NS		0.091	U	0.091	U	NS		0.685	U	NS		NS		NS		0.091	U	0.091	U
	15-Oct-10	NS		0.091	U	NS		NS		0.091	U	NS		0.091	U	0.091	U	0.091	U	NS		0.091	U
	26-Jan-11	0.907	U	0.091	U	NS		0.091	U	NS		0.453	U	NS		0.453	U	0.453	U	0.453	U	NS	
	28-Feb-11	NS		NS		0.907	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.091	U	NS		NS		0.091	U	NS		0.091	U	0.091	U	0.091	U	0.091	U	NS	
	26-Jul-11	0.303	U	NS		0.303	U	0.091	U	NS		0.454	U	NS		NS		NS		0.091	U	0.454	U
	28-Oct-11	NS		2.3	U	NS		NS		2.3	U	NS		2.3	U	2.3	U	2.3	U	NS		2.3	U
	23-Jan-12	0.45	U	NS		0.45	U	0.45	U	NS		0.45	U	NS		NS		NS		0.45	U	0.45	U
	13-Apr-12	NS		0.2	U	NS		NS		0.23	U	NS		0.23	U	0.23	U	0.23	U	NS		0.23	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		1.1	U
	23-Jun-12	0.45	U	NS		0.45	U	0.45	U	NS		0.45	U	NS		NS		NS		0.45	U	0.45	U
1-Nov-12	NS		0.045	U	NS		NS		0.045	U	NS		0.045	U	0.045	U	0.045	U	NS		NS		
1-Feb-13	0.045	U	NS		0.045	U	0.045	U	NS		0.045	U	NS		NS		NS		0.045	U	0.045	U	
29-Apr-13	NS		0.11	U	NS		NS		0.045	U	NS		0.045	U	0.045	U	0.045	U	NS		NS		
9-Jul-13	0.068	U	NS		0.045	U	0.045	U	NS		0.045	U	NS		NS		NS		0.045	U	NS		
18-Oct-13	NS		0.091	U	NS		NS		0.091	U	NS		0.091	U	0.091	U	0.091	U	NS		NS		
9-Jan-14	0.091	U	NS		0.091	U	0.091	U	NS		0.091	U	NS		NS		NS		0.091	U	0.091	U	
24-Apr-14	NS		0.045	U	NS		NS		0.045	U	NS		0.045	U	0.045	U	0.045	U	NS		0.045	U	
1-Aug-14	0.091	U	NS		0.14	U	0.14	U	NS		NS		NS		NS		NS		0.091	U	NS		
27-Aug-14	NS		NS		NS		NS		NS		0.045	U	NS		NS		NS		NS		NS		

**Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2014**

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	
		Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
trans-1,3-Dichloropropene	8-Feb-08	0.09	U	NS		NS		NS		0.09	U	NS		NS		NS		0.09	U	0.09	U	NS	
	27-Mar-08	NS		0.091	U	NS		NS		NS		0.091	U	NS		NS		NS		0.091	U	0.091	U
	25-Apr-08	NS		NS		0.091	U	NS		NS		NS		0.091	U	NS		NS		0.091	U	NS	
	29-May-08	NS		NS		NS		0.09	U	NS		NS		NS		0.09	U	NS		0.09	U	NS	
	27-Jun-08	0.141	U	NS		NS		NS		0.091	U	NS		NS		NS		NS		0.091	U	NS	
	31-Jul-08	NS		0.091	U	NS		NS		NS		NS		NS		NS		NS		0.091	U	NS	
	28-Aug-08	NS		NS		0.091	U	NS		NS		NS		0.091	U	NS		NS		0.091	U	NS	
	30-Sep-08	NS		NS		NS		0.18	U	NS		NS		NS		0.18	U	NS		0.18	U	NS	
	27-Oct-08	0.18	U	NS		NS		NS		NS		0.18	U	NS		NS		NS		0.18	U	NS	
	25-Nov-08	NS		0.18	U	NS		NS		NS		0.18	U	NS		NS		NS		0.18	U	NS	
	18-Dec-08	NS		NS		NS		0.18	U	NS		NS		NS		0.18	U	NS		NS		0.18	U
	21-Jan-09	NS		NS		NS		0.18	U	NS		NS		NS		0.18	U	NS		NS		0.18	U
	25-Feb-09	0.18	U	NS		NS		NS		NS		0.18	U	NS		NS		NS		0.18	U	NS	
	26-Mar-09	NS		0.453	U	NS		NS		NS		NS		0.907	U	NS		NS		NS		0.091	U
	29-Apr-09	NS		NS		0.091	U	NS		NS		NS		NS		0.091	U	NS		0.091	U	NS	
	22-Jul-09	0.453	U	NS		0.453	U	0.907	U	NS		0.453	U	NS		NS		NS		0.091	U	NS	
	9-Oct-09	NS		0.079	U	NS		NS		NS		0.091	U	NS		0.091	U	18.9	U	0.091	U	NS	
	15-Jan-10	0.091		NS		0.091	U	0.091	U	NS		NS		0.091	U	NS		NS		0.091	U	0.091	U
	21-Apr-10	NS		0.091	U	NS		NS		0.453	U	NS		0.453	U	NS		0.453	U	0.091	U	NS	
	16-Jul-10	0.091	U	NS		0.091	U	0.091	U	NS		NS		0.685	U	NS		NS		0.091	U	NS	
	15-Oct-10	NS		0.091	U	NS		NS		NS		0.091	U	NS		0.091	U	NS		0.091	U	NS	
	26-Jan-11	0.907	U	0.091	U	NS		0.091	U	NS		NS		0.453	U	NS		0.453	U	0.453	U	NS	
	28-Feb-11	NS		NS		0.907	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.091	U	NS		NS		NS		0.091	U	NS		0.091	U	0.091	U	0.091	U	NS	
	26-Jul-11	0.303	U	NS		0.303	U	0.091	U	NS		NS		0.454	U	NS		NS		0.091	U	0.454	U
	28-Oct-11	NS		2.3	U	NS		NS		NS		2.3	U	NS		2.3	U	2.3	U	NS		2.3	U
	23-Jan-12	0.45	U	NS		0.45	U	0.45	U	NS		NS		NS		NS		NS		0.45	U	NS	
	13-Apr-12	NS		1.2	U	NS		NS		NS		0.23	U	NS		0.23	U	0.23	U	NS		0.23	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		1.1	U
	23-Jun-12	0.45	U	NS		0.45	U	0.45	U	NS		NS		NS		NS		NS		0.45	U	0.45	U
1-Nov-12	NS		0.045	U	NS		NS		NS		0.045	U	NS		0.045	U	0.045	U	NS		NS		
1-Feb-13	0.045	U	NS		NS		0.045	U	NS		NS		NS		NS		NS		0.045	U	NS		
29-Apr-13	NS		0.11	U	NS		NS		NS		0.045	U	NS		0.045	U	0.045	U	NS		NS		
9-Jul-13	0.068	U	NS		0.045	U	0.045	U	NS		NS		0.045	U	NS		NS		0.045	U	NS		
18-Oct-13	NS		0.091	U	NS		NS		NS		0.091	U	NS		0.091	U	0.091	U	NS		NS		
9-Jan-14	0.091	U	NS		0.091	U	0.091	U	NS		NS		0.091	U	NS		NS		0.091	U	NS		
24-Apr-14	NS		0.045	U	NS		NS		NS		0.045	U	NS		0.045	U	0.045	U	NS		0.045	U	
1-Aug-14	0.091	U	NS		0.14	U	0.14	U	NS		NS		NS		NS		NS		0.091	U	NS		
27-Aug-14	NS		NS		NS		NS		NS		NS		0.045	U	NS		NS		NS		NS		
Ethylbenzene	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		2.82		1.01		NS	
	27-Jun-08	4.34		NS		NS		NS		0.472		NS		NS		NS		NS		0.606		0.699	
	31-Jul-08	NS		*		NS		NS		NS		NS		NS		NS		NS		0.758		0.577	
	28-Aug-08	NS		NS		0.83		NS		NS		NS		0.482		NS		NS		0.711		NS	
	30-Sep-08	NS		NS		NS		2.2	U	NS		NS		NS		2.2	U	NS		2.2	U	2.2	U
	27-Oct-08	18.4		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
	25-Nov-08	NS		2.2	U	NS		NS		NS		NS		NS		NS		NS		2.3		NS	
	18-Dec-08	NS		NS		2.2	U	NS		NS		NS		NS		NS		NS		NS		2.2	U
	21-Jan-09	NS		NS		NS		2.2	U	NS		NS		NS		NS		NS		2.2	U	NS	
	25-Feb-09	10.8		NS		NS		NS		NS		2.2	U	NS		NS		NS		2.2	U	NS	
	26-Mar-09	NS		0.516		NS		NS		NS		NS		0.868	U	NS		NS		NS		0.845	
	29-Apr-09	NS		NS		0.19		NS		NS		NS		NS		0.191		NS		0.304		NS	
	22-Jul-09	11.7		NS		0.868	U	NS		NS		1.15		NS		NS		NS		38.2		1.04	
	9-Oct-09	NS		0.564		NS		NS		NS		0.56		NS		0.291	U	NS		18.1	U	NS	
	15-Jan-10	6.95		NS		0.568		0.542		NS		0.659		NS		NS		NS		0.712		NS	
	21-Apr-10	NS		NS		NS		NS		NS		1.34		NS		1.8		NS		2.12		NS	
	16-Jul-10	8.23		NS		2.4		1.8		NS		NS		1.44		NS		NS		1.51		NS	
	15-Oct-10	NS		0.534		NS		NS		NS		0.625		NS		0.521		0.573		1.07		NS	
	26-Jan-11	1.26		NS		1.62		1.66		NS		NS		1.26		NS		1.21		4.14		NS	
	28-Feb-11	NS		NS		0.868	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.243		NS		NS		NS		0.239		NS		0.286		NS		0.364		NS	
	26-Jul-11	3.91		NS		0.942		0.339		NS		NS		0.434	U	NS		NS		0.304		NS	
	28-Oct-11	NS		2.2	U	NS		NS		NS		2.2	U	NS		2.2	U	NS		3.8		NS	
	23-Jan-12	3		NS		0.79		0.56		NS		NS		0.82		NS		NS		1.7		NS	
	13-Apr-12	NS		0.43	U	NS		NS		NS		0.43	U	NS		0.43	U	NS		1.5		NS	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		2.2	U
	23-Jun-12	5.1		NS		0.53		0.43	U	NS		NS		0.47		NS		NS		0.76		NS	
1-Nov-12	NS		0.55		NS		NS		NS		0.57		NS		0.8		0.75		0.87		NS		
1-Feb-13	1.3		NS		0.18		0.15		NS		NS		0.23		NS		NS		0.54		NS		
29-Apr-13	NS		0.33		NS		NS		NS		0.39		NS		0.37		0.49		0.63		NS		
9-Jul-13	5.1		NS		0.087	U	0.68		NS		NS		0.59		NS		NS		1.1		NS		
18-Oct-13	NS		1.7		NS		NS		NS		1.9		NS		2.0		NS		1.5		NS		
9-Jan-14	2.7		NS		2.0		2.6		NS		NS		2.8		NS		NS		6.2		NS		
24-Apr-14	NS		0.087	U	NS		NS		NS		0.087	U	NS		0.087	U	0.087	U	0.092		0.087	U	
1-Aug-14	1.7		NS		0.84		0.65		NS		NS		NS		NS		NS		0.45		NS		
27-Aug-14	NS		NS		NS		NS		NS		NS		0.96		NS		NS		NS		NS		

**Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2014**

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	
		Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Isopropylbenzene	8-Feb-08	2.46	U	NS		NS		NS		2.46	U	NS		NS		NS		2.46	U	2.46	U	NS	
	27-Mar-08	NS		2.46	U	NS		NS		NS		NS		NS		NS		NS		2.46	U	2.46	U
	25-Apr-08	NS		NS		2.46	U	NS		NS		NS		2.46	U	NS		2.46	U	NS		2.46	U
	29-May-08	NS		NS		NS		2.46	U	NS		NS		NS		2.46	U	2.46	U	2.46	U	NS	
	27-Jun-08	3.83	U	NS		NS		NS		2.46	U	NS		NS		NS		NS		2.46	U	2.46	U
	31-Jul-08	NS		2.46	U	NS		NS		NS		NS		NS		NS		NS		2.46	U	NS	
	28-Aug-08	NS		NS		2.46	U	NS		NS		NS		2.46	U	NS		NS		2.46	U	NS	
	30-Sep-08	NS		NS		NS		4.9	U	NS		NS		NS		4.9	U	4.9	U	4.9	U	4.9	U
	27-Oct-08	5.2		NS		NS		NS		NS		4.9	U	NS		NS		NS		4.9	U	NS	
	25-Nov-08	NS		4.9	U	NS		NS		NS		4.9	U	NS		NS		NS		4.9	U	NS	
	18-Dec-08	NS		NS		4.9	U	NS		NS		NS		4.9	U	NS		NS		4.9	U	NS	
	21-Jan-09	NS		NS		NS		4.9	U	NS		NS		NS		4.9	U	4.9	U	NS		4.9	U
	25-Feb-09	4.9	U	NS		NS		NS		NS		4.9	U	NS		NS		NS		4.9	U	NS	
	26-Mar-09	NS		12.3	U	NS		NS		NS		NS		24.6	U	NS		NS		NS		2.46	U
	29-Apr-09	NS		NS		2.46	U	NS		NS		NS		NS		2.46	U	NS		2.46	U	NS	
	22-Jul-09	12.3	U	NS		12.3	U	24.6	U	NS		NS		12.3	U	NS		NS		3.78	U	2.46	U
	9-Oct-09	NS		2.74	U	NS		NS		NS		2.46	U	NS		2.46	U	513	U	2.46	U	NS	
	15-Jan-10	2.46	U	NS		2.46	U	2.46	U	NS		NS		2.46	U	NS		NS		2.46	U	2.46	U
	21-Apr-10	NS		2.46	U	NS		NS		NS		12.3	U	NS		12.3	U	NS		2.46	U	NS	
	16-Jul-10	2.46	U	NS		2.66	U	2.46	U	NS		NS		18.5	U	NS		NS		2.46	U	2.46	U
	15-Oct-10	NS		2.46	U	NS		NS		NS		2.46	U	NS		2.46	U	2.46	U	2.46	U	NS	
	26-Jan-11	24.6	U	2.46	U	NS		2.46	U	NS		NS		12.3	U	NS		12.3	U	12.3	U	12.3	U
	28-Feb-11	NS		NS		24.6	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		2.46	U	NS		NS		NS		2.46	U	NS		2.46	U	2.46	U	2.46	U	NS	
	26-Jul-11	8.21	U	NS		8.21	U	2.46	U	NS		NS		12.3	U	NS		NS		2.46	U	12.3	U
	28-Oct-11	NS		6.2	U	NS		NS		NS		6.2	U	NS		6.2	U	6.2	U	6.2	U	NS	
	23-Jan-12	1.2	U	NS		NS		1.2	U	0.25		NS		1.2	U	NS		NS		1.2	U	1.4	
	13-Apr-12	NS		1.2	U	NS		NS		NS		1.2	U	NS		1.2	U	1.2	U	1.2	U	NS	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		6.2	U
	23-Jun-12	1.2	U	NS		1.2	U	1.2	U	NS		NS		1.2	U	NS		NS		1.2	U	1.2	U
1-Nov-12	NS		0.25	U	NS		NS		NS		0.25	U	NS		0.25	U	0.25	U	0.25	U	NS		
1-Feb-13	0.25	U	NS		NS		0.25	U	0.25		NS		NS		NS		NS		0.25	U	NS		
29-Apr-13	NS		0.62	U	NS		NS		NS		0.25	U	NS		0.25	U	0.25	U	0.25	U	NS		
9-Jul-13	0.37	U	NS		0.25	U	0.25	U	NS		NS		0.25	U	NS		NS		0.25	U	0.25	U	
18-Oct-13	NS		0.25	U	NS		NS		NS		0.25	U	NS		0.25	U	0.27	U	0.25	U	NS		
9-Jan-14	0.25	U	NS		0.25	U	0.25	U	NS		NS		0.25	U	NS		NS		0.53	U	0.49		
24-Apr-14	NS		0.25	U	NS		NS		NS		0.25	U	NS		0.25	U	0.25	U	0.25	U	0.25	U	
1-Aug-14	0.25		NS		NS		0.37	U	0.37		NS		NS		NS		NS		0.25	U	0.25	U	
27-Aug-14	NS		NS		NS		NS		NS		NS		0.25	U	NS		NS		NS		NS		
p-Isopropyltoluene	8-Feb-08	2.74	U	NS		NS		NS		2.74	U	NS		NS		NS		2.74	U	2.74	U	NS	
	27-Mar-08	NS		2.74	U	NS		1.2		NS		NS		NS		NS		NS		2.74	U	2.74	U
	25-Apr-08	NS		NS		2.74	U	NS		NS		NS		2.74	U	NS		NS		2.74	U	2.74	U
	29-May-08	NS		NS		NS		2.74	U	NS		NS		NS		NS		2.74	U	2.74	U	NS	
	27-Jun-08	4.27	U	NS		NS		NS		2.74	U	NS		NS		NS		NS		NS		2.74	U
	31-Jul-08	NS		2.74	U	NS		NS		NS		NS		NS		NS		NS		2.74	U	2.74	U
	28-Aug-08	NS		NS		2.74	U	NS		NS		NS		NS		2.74	U	NS		2.74	U	NS	
	30-Sep-08	NS		NS		NS		5.5	U	NS		NS		NS		NS		5.5	U	NS		5.5	U
	27-Oct-08	12.5		NS		NS		NS		NS		5.5	U	NS		NS		NS		18.5		NS	
	25-Nov-08	NS		5.5	U	NS		NS		NS		NS		5.5	U	NS		NS		5.5	U	NS	
	18-Dec-08	NS		NS		5.5	U	NS		NS		NS		NS		5.5	U	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		NS		5.5	U	NS		NS		NS		5.5	U	NS	
	26-Mar-09	NS		13.7	U	NS		NS		NS		NS		27.4	U	NS		NS		NS		2.74	U
	29-Apr-09	NS		NS		2.74	U	NS		NS		NS		NS		2.74	U	NS		2.74	U	NS	
	22-Jul-09	13.7	U	NS		13.7	U	27.4	U	NS		NS		13.7	U	NS		NS		2.74	U	2.74	U
	9-Oct-09	NS		2.74	U	NS		NS		NS		2.74	U	NS		2.74	U	573	U	2.74	U	NS	
	15-Jan-10	2.72	U	NS		2.74	U	2.74	U	NS		NS		2.74	U	NS		NS		2.74	U	2.74	U
	21-Apr-10	NS		2.74	U	NS		NS		NS		13.7	U	NS		13.7	U	NS		2.74	U	NS	
	16-Jul-10	2.74	U	NS		2.74	U	2.74	U	NS		NS		20.7	U	NS		NS		2.74	U	2.74	U
	15-Oct-10	NS		2.74	U	NS		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	U	NS		NS		13.7	U	NS		13.7	U	13.7	U	NS	
	28-Feb-11	NS		NS		27.4	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		2.74	U	NS		NS		NS		2.74	U	NS		2.74	U	2.74	U	2.74	U	NS	
	26-Jul-11	9.17	U	NS		9.17	U	2.74	U	NS		NS		13.7	U	NS		NS		2.74	U	13.7	U
	28-Oct-11	NS		6.3	U	NS		NS		NS		6.3	U	NS		6.3	U	6.3	U	6.3	U	NS	
	23-Jan-12	1.3	U	NS		NS		1.3	U	NS		1.3	U	NS		NS		NS		1.3	U	1.3	U
	13-Apr-12	NS		1.3	U	NS		NS		NS		1.3	U	NS		1.3	U	1.3	U	1.3	U	NS	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		6.3	U
	23-Jun-12	1.3	U	NS		1.3	U	1.3	U	NS		NS		1.3	U	NS		NS		1.3	U	1.3	U
1-Nov-12	NS		0.25	U	NS		NS		NS		0.25	U	NS		0.27	U	0.25	U	0.29	U	NS		
1-Feb-13	0.25	U	NS		NS		0.25	U	0.25		NS		NS		NS		NS		0.25	U	NS		
29-Apr-13	NS		0.63	U	NS		NS		NS		0.25	U	NS		0.25	U	0.25	U	0.25	U	NS		
9-Jul-13	0.38	U	NS		0.28		0.29		NS		NS		0.29		NS		NS		0.36		0.53		
18-Oct-13	NS		0.38		NS		NS		NS		0.25	U	NS		0.25	U	0.51		0.25	U	NS		
9-Jan-14	0.25	U	NS		0.33		0.040		NS		NS		0.25	U	NS		NS		1.2		NS		
24-Apr-14	NS		0.25	U	NS		NS		NS		0.25	U	NS		0.25	U	0.072		0.25	U	0.25	U	
1-Aug-14	0.70		NS		NS		0.88		1.4		NS		NS		NS		NS		0.45		0.61		
27-Aug-14	NS		NS		NS		NS		NS		NS		0.38		NS		NS		NS		NS		

**Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2014**

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	
		Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Methyl tert butyl ether (MTBE)	8-Feb-08	0.07	U	NS		NS		NS		0.07	U	NS		NS		NS		0.14		0.07	U	NS	
	27-Mar-08	NS		0.072	U	NS		NS		NS		0.072	U	NS		NS		NS		0.165		NS	
	25-Apr-08	NS		NS		0.072	U	NS		NS		NS		0.072	U	NS		0.072	U	NS		0.079	
	29-May-08	NS		NS		NS		0.07	U	NS		NS		NS		0.07	U	NS		0.07	U	NS	
	27-Jun-08	0.436		NS		NS		NS		0.072	U	NS		NS		NS		NS		0.072	U	NS	U
	31-Jul-08	NS		0.072	U	NS		NS		NS		NS		NS		NS		0.072	U	NS		0.072	U
	28-Aug-08	NS		NS		0.106		NS		NS		NS		0.072	U	NS		0.172	U	0.14		NS	
	30-Sep-08	NS		NS		NS		1.8	U	NS		NS		NS		1.8	U	NS		1.8	U	NS	U
	27-Oct-08	1.8	U	NS		NS		NS		NS		2.6		NS		NS		NS		3.2		NS	5.8
	25-Nov-08	NS		1.8	U	NS		NS		NS		1.8	U	NS		NS		NS		1.8	U	NS	1.8
	18-Dec-08	NS		NS		1.8	U	NS		NS		NS		NS		1.8	U	NS		NS		1.8	U
	21-Jan-09	NS		NS		NS		1.8	U	NS		NS		NS		1.8	U	NS		1.8	U	NS	1.8
	25-Feb-09	5.8		NS		NS		NS		NS		1.8	U	NS		NS		NS		1.8	U	NS	1.8
	26-Mar-09	NS		0.36	U	NS		NS		NS		0.72	U	NS		NS		NS		NS		0.072	U
	29-Apr-09	NS		NS		0.072	U	NS		NS		NS		0.072	U	NS		NS		0.072	U	NS	0.072
	22-Jul-09	0.36	U	NS		NS		0.36	U	0.72	U	NS		0.36	U	NS		NS		0.072	U	NS	0.072
	9-Oct-09	NS		0.072	U	NS		NS		NS		0.072	U	NS		0.072	U	15	U	0.086		NS	0.083
	15-Jan-10	0.079		NS		0.072	U	0.072	U	0.072	U	NS		0.072	U	NS		NS		0.072	U	0.072	U
	21-Apr-10	NS		0.072	U	NS		NS		0.36	U	NS		3.6	U	0.36	U	NS		0.072	U	NS	0.072
	16-Jul-10	0.072	U	NS		0.072	U	0.072	U	0.072	U	NS		0.544	U	NS		NS		0.072	U	0.072	U
	15-Oct-10	NS		0.072	U	NS		NS		NS		0.072	U	NS		0.072	U	0.072	U	0.072	U	NS	0.072
	26-Jan-11	0.72	U	0.072	U	NS		0.072	U	NS		NS		0.396	U	NS		0.36	U	0.36	U	0.36	U
	28-Feb-11	NS		NS		0.72	U	NS		NS		NS		NS		NS		NS		NS		NS	NS
	27-Apr-11	NS		0.072	U	NS		NS		NS		0.072	U	NS		0.072	U	0.072	U	0.072	U	NS	0.072
	26-Jul-11	0.24	U	NS		0.24	U	0.072	U	NS		0.36	U	NS		NS		NS		0.072	U	0.36	U
	28-Oct-11	NS		1.8	U	NS		NS		NS		1.8	U	NS		1.8	U	1.8	U	NS		NS	1.8
	23-Jan-12	0.36	U	NS		0.36	U	0.36	U	NS		0.36	U	NS		NS		NS		0.36	U	0.36	U
	13-Apr-12	NS		0.36	U	NS		NS		NS		0.36	U	NS		0.36	U	0.36	U	NS		NS	0.36
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		1.8	U
	23-Jun-12	0.36	U	NS		0.36	U	0.36	U	NS		NS		0.36	U	NS		NS		0.36	U	0.36	U
1-Nov-12	NS		0.072	U	NS		NS		NS		0.072	U	NS		0.072	U	0.072	U	0.072	U	NS	0.072	
1-Feb-13	0.072	U	NS		0.072	U	0.072	U	NS		0.072	U	NS		NS		NS		0.072	U	0.072	U	
29-Apr-13	NS		0.18	U	NS		NS		NS		0.072	U	NS		0.072	U	0.072	U	0.072	U	NS	0.072	
9-Jul-13	0.17		NS		0.072	U	0.072	U	NS		0.072	U	NS		NS		NS		0.072	U	0.072	U	
18-Oct-13	NS		0.072	U	NS		NS		NS		0.072	U	NS		0.072	U	0.072	U	0.072	U	NS	0.072	
9-Jan-14	0.072	U	NS		0.072	U	0.072	U	NS		0.072	U	NS		NS		NS		0.072	U	0.072	U	
24-Apr-14	NS		0.072	U	NS		NS		NS		0.072	U	NS		0.077	U	0.072	U	0.072	U	0.072	U	
1-Aug-14	0.072	U	NS		0.11	U	0.12		NS		NS		NS		NS		NS		0.072	U	0.072	U	
27-Aug-14	NS		NS		NS		NS		NS		NS		0.072	U	NS		NS		NS		NS	NS	
Methylene chloride	8-Feb-08	2.34		NS		NS		NS		1.74	U	NS		NS		NS		1.74	U	1.74	U	NS	
	27-Mar-08	NS		1.74	U	NS		NS		NS		2.87		NS		NS		NS		2.1		1.74	U
	25-Apr-08	NS		NS		1.74	U	NS		NS		NS		1.74	U	NS		NS		1.74	U	NS	U
	29-May-08	NS		NS		NS		1.74	U	NS		NS		NS		1.74	U	2.91		1.74	U	NS	
	27-Jun-08	4.33	U	NS		NS		NS		3.69		NS		NS		NS		NS		2.78	U	2.78	U
	31-Jul-08	NS		1.74	U	NS		NS		NS		NS		NS		NS		1.74	U	NS		1.74	U
	28-Aug-08	NS		NS		1.74	U	NS		NS		NS		1.74	U	NS		1.74	U	1.74	U	NS	
	30-Sep-08	NS		NS		NS		1.7	U	NS		NS		NS		1.7	U	NS		1.7	U	1.7	U
	27-Oct-08	1.7	U	NS		NS		NS		NS		1.7	U	NS		NS		NS		1.7	U	NS	1.7
	25-Nov-08	NS		1.7	U	NS		NS		NS		NS		NS		NS		NS		1.7	U	NS	1.7
	18-Dec-08	NS		NS		1.7	U	NS		NS		NS		NS		NS		NS		NS		1.7	U
	21-Jan-09	NS		NS		NS		1.7	U	NS		NS		NS		NS		1.7	U	NS		1.7	U
	25-Feb-09	1.7	U	NS		NS		NS		NS		1.7	U	NS		NS		NS		1.7	U	NS	1.7
	26-Mar-09	NS		16.1		NS		NS		NS		17.4	U	NS		NS		NS		NS		1.74	U
	29-Apr-09	NS		NS		1.74	U	NS		NS		NS		1.74	U	NS		NS		1.74	U	NS	1.74
	22-Jul-09	86.8	U	NS		8.68	U	17.4	U	NS		8.68	U	NS		NS		NS		1.74	U	1.74	U
	9-Oct-09	NS		1.74	U	NS		NS		1.74	U	NS		1.74	U	362	U	1.74	U	NS		NS	1.74
	15-Jan-10	1.74	U	NS		1.74	U	1.74	U	NS		1.74	U	NS		NS		NS		1.74	U	NS	NS
	21-Apr-10	NS		1.74	U	NS		NS		0.868	U	NS		8.68	U	8.68	U	1.74	U	NS		NS	1.74
	16-Jul-10	24		NS		21.5		19.5		NS		26.2	U	NS		NS		NS		27.1		26.5	
	15-Oct-10	NS		3.47	U	NS		NS		3.47	U	NS		3.47	U	3.47	U	3.47	U	NS		NS	3.47
	26-Jan-11	34.7	U	3.47	U	NS		3.47	U	NS		0.404	U	NS		17.4	U	17.4	U	NS		NS	NS
	28-Feb-11	NS		NS		34.7	U	NS		NS		NS		NS		NS		NS		NS		NS	NS
	27-Apr-11	NS		3.47	U	NS		NS		3.47	U	NS		3.47	U	3.47	U	3.47	U	NS		NS	3.47
	26-Jul-11	11.6	U	NS		11.6	U	3.47	U	NS		17.4	U	NS		NS		NS		5.7		17.4	U
	28-Oct-11	NS		17	U	NS		NS		17	U	NS		17	U	17	U	140		NS		NS	17
	23-Jan-12	3.5	U	NS		3.5	U	3.5	U	NS		NS		NS		NS		NS		3.5	U	NS	NS
	13-Apr-12	NS		4.6		NS		NS		7.3		NS		3.5	U	4.6		3.9		NS		NS	3.5
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	NS
	23-Jun-12	3.5	U	NS		3.5	U	3.5	U	NS		NS		NS		NS							

**Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2014**

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	
		Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
4-Methyl-2-pentanone	8-Feb-08	2.05	U	NS		NS		NS		2.05	U	NS		NS		NS		2.05	U	8.7		NS	
	27-Mar-08	NS		2.05	U	NS		NS		NS		NS		NS		NS		NS		15.2		2.05	U
	25-Apr-08	NS		NS		2.05	U	NS		NS		NS		2.05	U	NS		2.05	U	NS		2.05	U
	29-May-08	NS		NS		NS		2.05	U	NS		NS		NS		2.05	U	2.05	U	2.05	U	NS	
	27-Jun-08	3.19	U	NS		NS		NS		2.05	U	NS		NS		NS		NS		2.05	U	2.05	U
	31-Jul-08	NS		2.05	U	NS		NS		NS		NS		NS		NS		2.05	U	NS		2.05	U
	28-Aug-08	NS		NS		2.05	U	NS		NS		NS		2.05	U	NS		2.05	U	2.05	U	NS	
	30-Sep-08	NS		NS		2	U	NS		2	U	NS		NS		2	U	NS		2	U	2	U
	27-Oct-08	2	U	NS		NS		NS		NS		2	U	NS		NS		2	U	NS		2	U
	25-Nov-08	NS		3.5	U	NS		NS		NS		NS		2	U	NS		2	U	2	U	NS	
	18-Dec-08	NS		NS		2	U	NS		NS		NS		NS		2	U	NS		2	U	2	U
	21-Jan-09	NS		NS		NS		2	U	NS		NS		NS		2	U	2	U	NS		2	U
	25-Feb-09	2	U	NS		NS		NS		NS		2	U	NS		NS		2	U	2	U	NS	
	26-Mar-09	NS		10.2	U	NS		NS		NS		NS		20.5	U	NS		NS		NS		2.05	U
	29-Apr-09	NS		NS		2.05	U	NS		NS		NS		NS		2.05	U	NS		2.05	U	NS	
	22-Jul-09	10.2	U	NS		10.2	U	20.5	U	NS		NS		10.2	U	NS		NS		2.05	U	2.05	U
	9-Oct-09	NS		2.05	U	NS		NS		NS		2.05	U	NS		2.05	U	427	U	2.05	U	NS	
	15-Jan-10	2.05	U	NS		2.05	U	2.05	U	NS		NS		2.05	U	NS		NS		2.05	U	2.05	U
	21-Apr-10	NS		2.05	U	NS		NS		10.2	U	NS		10.2	U	NS		10.2	U	2.05	U	NS	
	16-Jul-10	2.05	U	NS		2.05	U	2.05	U	NS		NS		15.4	U	NS		NS		2.05	U	2.05	U
	15-Oct-10	NS		2.05	U	NS		NS		NS		2.05	U	NS		2.05	U	2.05	U	2.05	U	NS	
	26-Jan-11	20.5	U	2.05	U	NS		2.05	U	NS		NS		10.2	U	NS		10.2	U	10.2	U	10.2	U
	28-Feb-11	NS		NS		20.5	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		2.05	U	NS		NS		NS		2.05	U	NS		2.05	U	2.05	U	2.05	U	NS	
	26-Jul-11	6.84	U	NS		0.684	U	2.05	U	NS		NS		10.2	U	NS		NS		2.05	U	10.2	U
	28-Oct-11	NS		2	U	NS		NS		2	U	NS		2	U	2	U	2	U	NS		2	U
	23-Jan-12	0.41	U	NS		0.44	U	0.41	U	NS		0.41	U	NS		NS		NS		0.41	U	1.8	NS
	13-Apr-12	NS		0.41	U	NS		NS		NS		0.41	U	NS		0.41	U	0.41	U	NS		NS	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		2	NS
	23-Jun-12	0.41	U	NS		0.41	U	0.41	U	NS		NS		0.41	U	NS		NS		0.41	U	0.46	NS
	1-Nov-12	NS		0.89		NS		NS		NS		0.65		NS		0.9		0.84		1.1		NS	
	1-Feb-13	0.12		NS		0.082	U	0.082	U	NS		NS		0.095		NS		NS		0.082	U	0.29	NS
29-Apr-13	NS		0.2	U	NS		NS		NS		0.21		NS		0.21		0.082	U	0.86		NS		
9-Jul-13	0.66		NS		0.55		0.47		NS		NS		0.51		NS		NS		0.92		0.39	NS	
18-Oct-13	NS		1.8		NS		NS		2.7		NS		2.2		NS		2.3		3.0		NS		
9-Jan-14	0.18		NS		0.15		0.21		NS		NS		0.082	U	NS		NS		0.21		0.77	NS	
24-Apr-14	NS		0.087		NS		NS		0.082	U	NS		0.13		NS		0.082	U	0.38		0.32	0.66	
1-Aug-14	0.64		NS		1.0/0.74		1.1/0.86		NS		NS		NS	U	NS		NS		1.30		2.4/2.0	NS	
27-Aug-14	NS		NS		NS		NS		NS		NS		2.4		NS		NS		NS		NS		
Styrene	8-Feb-08	0.09	U	NS		NS		NS		0.09	U	NS		NS		NS		0.3		3.15		NS	
	27-Mar-08	NS		0.1		NS		NS		NS		0.177		NS		NS		NS		0.206		0.404	
	25-Apr-08	NS		NS		0.244		NS		NS		NS		NS		NS		0.559		NS		0.351	
	29-May-08	NS		NS		NS		0.17		NS		NS		NS		NS		0.36		0.27		NS	
	27-Jun-08	0.732		NS		NS		NS		0.354		NS		NS		NS		NS		0.598		0.59	
	31-Jul-08	NS		0.276		NS		NS		NS		NS		NS		NS		0.255		NS		0.17	
	28-Aug-08	NS		NS		1.22		NS		NS		NS		0.754		NS		NS		1.01		NS	
	30-Sep-08	NS		NS		NS		2.1	U	NS		NS		NS		2.1	U	NS		2.1	U	2.1	U
	27-Oct-08	2.1	U	NS		NS		NS		2.1	U	NS		NS		NS		NS		2.1	U	NS	U
	25-Nov-08	NS		2.1	U	NS		NS		NS		2.1	U	NS		NS		NS		2.1	U	NS	
	18-Dec-08	NS		NS		2.1	U	NS		NS		NS		2.1	U	NS		NS		2.1	U	2.1	U
	21-Jan-09	NS		NS		NS		2.1	U	NS		NS		NS		2.1	U	NS		2.1	U	NS	U
	25-Feb-09	2.1	U	NS		NS		NS		2.1	U	NS		NS		NS		NS		2.1	U	NS	
	26-Mar-09	NS		0.851	U	NS		NS		NS		1.7	U	NS		NS		NS		0.292		0.361	
	29-Apr-09	NS		NS		0.174		NS		NS		NS		NS		0.085	U	NS		0.098		0.243	
	22-Jul-09	0.426	U	NS		0.426	U	0.851	U	NS		0.426	U	NS		NS		NS		0.6		0.149	
	9-Oct-09	NS		0.085	U	NS		NS		0.098		NS		0.085	U	NS		17.8	U	0.153		NS	0.204
	15-Jan-10	0.106		NS		0.119		0.089		NS		0.098		NS		NS		NS		0.128		0.221	NS
	21-Apr-10	NS		0.085	U	NS		NS		0.426	U	NS		NS		0.426	U	0.426	U	0.481		NS	0.579
	16-Jul-10	0.57		NS		0.911		0.66		NS		0.643	U	NS		NS		NS		0.34		0.864	NS
	15-Oct-10	NS		0.698		NS		NS		1.12		NS		0.779		0.919		NS		0.877		NS	1.52
	26-Jan-11	0.851	U	NS		0.162		0.179		NS		0.426	U	NS		0.426	U	NS		0.426	U	0.617	NS
	28-Feb-11	NS		NS		0.851	U	NS		NS		NS		NS		NS		NS		NS		NS	NS
	27-Apr-11	NS		0.311		NS		NS		0.302		NS		0.366		NS		NS		0.4		0.753	NS
	26-Jul-11	0.724		NS		0.779		0.868		NS		0.788	U	NS		NS		NS		1.23		0.681	NS
	28-Oct-11	NS		2.1	U	NS		NS		2.1	U	NS		NS		2.1	U	NS		2.1	U	NS	2.1
	23-Jan-12	0.84		NS		0.43	U	0.43	U	NS		0.43	U	NS		NS		NS		0.46		16	NS
	13-Apr-12	NS		0.43	U	NS		NS		0.43	U	NS		NS		0.43	U	NS		0.43	U	NS	0.43
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		2.1	NS
	23-Jun-12	1.7		NS		1.4		1.9		NS		NS		NS		NS		NS		2.4		2.6	NS
	1-Nov-12	NS		0.14		NS		NS		0.15		NS		NS		0.46		0.17		0.3		NS	0.34
	1-Feb-13	0.085																					

**Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2014**

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	
		Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
1,1,1,2-Tetrachloroethane	8-Feb-08	0.14	U	NS		NS		NS		0.14	U	NS		NS		NS		0.14	U	0.14	U	NS	
	27-Mar-08	NS		0.137	U	NS		NS		NS		0.137	U	NS		NS		NS		0.137	U	0.137	U
	25-Apr-08	NS		NS		0.137	U	NS		NS		NS		0.137	U	NS		0.137	U	NS		0.137	U
	29-May-08	NS		NS		NS		0.14	U	NS		NS		NS		0.14	U	NS		0.14	U	NS	
	27-Jun-08	0.214	U	NS		NS		NS		0.137	U	NS		NS		NS		NS		0.137	U	0.137	U
	31-Jul-08	NS		0.137	U	NS		NS		NS		NS		NS		NS		0.137	U	NS		0.137	U
	28-Aug-08	NS		NS		0.137	U	NS		NS		NS		0.137	U	NS		0.137	U	0.137	U	NS	
	30-Sep-08	NS		NS		NS		0.14	U	NS		NS		NS		0.14	U	NS		0.14	U	NS	
	27-Oct-08	0.14	U	NS		NS		NS		NS		0.14	U	NS		NS		NS		0.14	U	NS	
	25-Nov-08	NS		0.14	U	NS		NS		NS		0.14	U	NS		NS		NS		0.14	U	NS	
	18-Dec-08	NS		NS		0.14	U	NS		NS		NS		0.14	U	NS		NS		0.14	U	NS	
	21-Jan-09	NS		NS		NS		0.19	U	NS		NS		NS		0.14	U	NS		0.14	U	NS	
	25-Feb-09	0.14	U	NS		NS		NS		NS		0.14	U	NS		NS		NS		0.14	U	NS	
	26-Mar-09	NS		0.686	U	NS		NS		NS		1.37	U	NS		NS		NS		NS		0.137	U
	29-Apr-09	NS		NS		0.137	U	NS		NS		NS		0.137	U	NS		NS		0.137	U	NS	
	22-Jul-09	0.686	U	NS		NS		1.37	U	NS		0.686	U	NS		NS		NS		0.137	U	NS	
	9-Oct-09	NS		0.137	U	NS		NS		NS		0.137	U	NS		0.137	U	28.6	U	0.137	U	NS	
	15-Jan-10	0.109	U	NS		0.137	U	1.37	U	NS		NS		0.137	U	NS		NS		0.137	U	NS	
	21-Apr-10	NS		0.137	U	NS		NS		0.686	U	NS		0.686	U	0.686	U	NS		0.137	U	NS	
	16-Jul-10	0.137	U	NS		0.137	U	0.137	U	NS		NS		1.04	U	NS		NS		0.137	U	NS	
	15-Oct-10	NS		0.137	U	NS		NS		NS		0.137	U	NS		0.137	U	NS		0.137	U	NS	
	26-Jan-11	1.37	U	0.137	U	NS		0.137	U	NS		0.686	U	NS		0.686	U	0.686	U	0.686	U	0.686	U
	28-Feb-11	NS		NS		1.37	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.137	U	NS		NS		0.137	U	NS		0.137	U	0.137	U	0.137	U	0.137	U	NS	
	26-Jul-11	0.458	U	NS		0.458	U	0.137	U	NS		0.687	U	NS		NS		NS		0.137	U	0.687	U
	28-Oct-11	NS		6.2	U	NS		NS		6.2	U	NS		6.2	U	6.2	U	6.2	U	NS		6.2	U
	23-Jan-12	1.2	U	NS		1.2	U	1.2	U	NS		1.2	U	NS		NS		NS		1.2	U	1.2	U
	13-Apr-12	NS		1.2	U	NS		NS		1.2	U	NS		1.2	U	1.2	U	1.2	U	NS		1.2	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		6.2	U
	23-Jun-12	1.2	U	NS		1.2	U	1.2	U	NS		1.2	U	NS		NS		NS		1.2	U	1.2	U
	1-Nov-12	NS		0.25	U	NS		NS		NS		0.25	U	NS		0.25	U	0.25	U	NS		NS	
	1-Feb-13	0.25	U	NS		0.25	U	0.25	U	NS		NS		NS		NS		NS		0.25	U	NS	
29-Apr-13	NS		0.62	U	NS		NS		NS		0.25	U	NS		0.25	U	0.25	U	NS		NS		
9-Jul-13	0.37	U	NS		0.25	U	0.25	U	NS		0.25	U	NS		NS		NS		0.036	U	0.25	U	
18-Oct-13	NS		0.25	U	NS		NS		NS		0.25	U	NS		0.25	U	0.25	U	NS		NS		
9-Jan-14	0.25	U	NS		0.25	U	0.25	U	NS		0.25	U	NS		NS		NS		0.25	U	NS		
24-Apr-14	NS		0.25	U	NS		NS		0.25 ^L	U	NS		NS		0.25 ^L	U	0.25	U	0.25 ^L	U	0.25	U	
1-Aug-14	0.25	U	NS		0.37	U	0.37	U	NS		NS		NS		NS		NS		0.25	U	NS		
27-Aug-14	NS		NS		NS		NS		NS		NS		0.25	U	NS		NS		NS		NS		
1,1,2,2-Tetrachloroethane	8-Feb-08	0.14	U	NS		NS		NS		0.14	U	NS		NS		NS		0.14	U	0.14	U	NS	
	27-Mar-08	NS		0.137	U	NS		NS		NS		0.137	U	NS		NS		NS		0.137	U	0.137	U
	25-Apr-08	NS		NS		0.137	U	NS		NS		NS		0.137	U	NS		NS		0.137	U	NS	
	29-May-08	NS		NS		NS		0.14	U	NS		NS		NS		0.14	U	NS		0.14	U	NS	
	27-Jun-08	0.214	U	NS		NS		NS		0.137	U	NS		NS		NS		NS		0.137	U	0.137	U
	31-Jul-08	NS		0.137	U	NS		NS		NS		NS		NS		NS		NS		0.137	U	0.137	U
	28-Aug-08	NS		NS		0.137	U	NS		NS		NS		0.137	U	NS		NS		0.137	U	NS	
	30-Sep-08	NS		NS		NS		0.14	U	NS		NS		NS		0.14	U	NS		0.14	U	NS	
	27-Oct-08	0.14	U	NS		NS		NS		NS		0.14	U	NS		NS		NS		0.14	U	NS	
	25-Nov-08	NS		0.14	U	NS		NS		NS		0.14	U	NS		NS		NS		0.14	U	NS	
	18-Dec-08	NS		NS		0.14	U	NS		NS		NS		0.14	U	NS		NS		0.14	U	NS	
	21-Jan-09	NS		NS		NS		0.14	U	NS		NS		NS		0.14	U	NS		0.14	U	NS	
	25-Feb-09	0.14	U	NS		NS		NS		NS		0.14	U	NS		NS		NS		0.14	U	NS	
	26-Mar-09	NS		0.686	U	NS		NS		NS		1.37	U	NS		NS		NS		NS		0.137	U
	29-Apr-09	NS		NS		0.137	U	NS		NS		NS		0.137	U	NS		NS		0.137	U	NS	
	22-Jul-09	0.686	U	NS		NS		0.137	U	NS		0.686	U	NS		NS		NS		0.137	U	NS	
	9-Oct-09	NS		0.137	U	NS		NS		NS		0.137	U	NS		0.137	U	28.6	U	0.137	U	NS	
	15-Jan-10	0.109	U	NS		0.137	U	0.137	U	NS		NS		0.109	U	NS		NS		0.137	U	NS	
	21-Apr-10	NS		0.137	U	NS		NS		0.686	U	NS		0.686	U	0.686	U	NS		0.137	U	NS	
	16-Jul-10	0.137	U	NS		0.137	U	0.137	U	NS		NS		1.04	U	NS		NS		0.137	U	NS	
	15-Oct-10	NS		0.137	U	NS		NS		NS		0.137	U	NS		0.137	U	0.137	U	NS		0.137	U
	26-Jan-11	1.37	U	0.137	U	NS		0.137	U	NS		0.686	U	NS		0.686	U	0.686	U	0.686	U	NS	
	28-Feb-11	NS		NS		1.37	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.137	U	NS		NS		NS		0.137	U	NS		0.137	U	0.137	U	0.137	U	NS	
	26-Jul-11	0.458	U	NS		0.458	U	0.137	U	NS		0.687	U	NS		NS		NS		0.137	U	0.687	U
	28-Oct-11	NS		3.4	U	NS		NS		3.4	U	NS		3.4	U	3.4	U	3.4	U	NS		3.4	U
	23-Jan-12	0.69	U	NS		0.69	U	0.69	U	NS		0.69	U	NS		NS		NS		0.69	U	NS	
	13-Apr-12	NS		0.34	U	NS		NS		0.34	U	NS		NS		0.34	U	0.34	U	NS		NS	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		1.7	U
	23-Jun-12	0.69	U	NS		0.69	U	0.69	U	NS		NS		NS		NS		NS					

**Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2014**

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
Tetrachloroethene*	8-Feb-08	0.35		NS		NS		NS		0.14	U	NS		NS		NS		0.53		5.05		NS	
	27-Mar-08	NS		0.888		NS		NS		NS		0.875		NS		NS		NS		6.99		5.25	
	25-Apr-08	NS		NS		0.322		NS		NS		NS		0.99		NS		0.83		NS		0.867	
	29-May-08	NS		NS		NS		1.36		NS		NS		NS		0.24		0.3		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		NS		0.618		NS		0.572	
	28-Aug-08	NS		NS		1.55		NS		NS		NS		1.52		NS		1.37		6.26		NS	
	30-Sep-08	NS		NS		NS		3.4		NS		NS		NS		3.4	U	NS		6.1		3.4	U
	27-Oct-08	4.2	U	NS		NS		NS		NS		10		NS		NS		4.2	U	NS		4.2	U
	25-Nov-08	NS		21.3		NS		NS		NS		4.6		NS		NS		3.4	U	8.9		NS	
	18-Dec-08	NS		NS		3.4	U	NS		NS		NS		3.4	U	NS		NS		3.4	U	3.4	U
	21-Jan-09	NS		NS		NS		3.4	U	NS		NS		NS		3.4	U	3.4	U	NS		3.4	U
	25-Feb-09	3.4	U	NS		NS		NS		8.3		NS		NS		NS		3.4	U	3.7		NS	
	26-Mar-09	NS		1.28		NS		NS		NS		1.36	U	NS		NS		NS		7.11		2.08	
	29-Apr-09	NS		NS		0.271		NS		NS		NS		0.305		NS		0.237		NS		0.691	
	22-Jul-09	1.63		NS		1.63		2.1		NS		3.08		NS		NS		11.8		3.25		NS	
	9-Oct-09	NS		0.556		NS		NS		2.07		NS		0.678		28.3	U	1.17		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		36.8		62.1		NS		36.1	
	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		21.3		21.8		22.1		NS		31.6	
	26-Jan-11	1.36	U	0.691		NS		1.27		NS		0.678	U	NS		0.813		2.13		8.3		NS	
	28-Feb-11	NS		NS		1.36	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		1.44		NS		NS		7.22		NS		1.53		1.56		1.46		NS		1.98	
	26-Jul-11	3.34		NS		0.834		2.59		NS		9.29		NS		NS		0.976		6.78		NS	
	28-Oct-11	NS		3.4	U	NS		NS		8.5		NS		3.4	U	3.4	U	3.4	U	NS		3.4	U
	23-Jan-12	1		NS		0.68	U	1.7		NS		5.3		NS		NS		0.76		26		NS	
	13-Apr-12	NS		19		NS		NS		18		NS		12		18		18		NS		15	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		9.6		NS	
	23-Jun-12	1.5		NS		0.68	U	3.5		NS		0.8		NS		NS		0.68	U	8.9		NS	
	1-Nov-12	NS		7.4		NS		NS		11		NS		0.78		0.57		1.3		NS		1.6	
	1-Feb-13	1.8		NS		0.76		0.99		NS		4.5		NS		NS		1.8		7.7		NS	
29-Apr-13	NS		8.1		NS		NS		4.7		NS		1.1		1		1.3		NS		1.8		
9-Jul-13	2.0		NS		2.1		3.1		NS		2.9		NS		NS		2.6		8.8		NS		
18-Oct-13	NS		14		NS		NS		7.3		NS		0.61		0.32		NS		NS		1.4		
9-Jan-14	0.6		NS		0.22		1.1		NS		1.8		NS		NS		0.46		11		NS		
24-Apr-14	NS		4.7		NS		NS		5.7		NS		0.41		0.068	U	0.51		10		0.30		
1-Aug-01	2.3		NS		3.3/4.9		2.1		NS		NS		NS		NS		0.97		4.0/5.9		NS		
27-Aug-14	NS		NS		NS		NS		NS		2.4/3.5		NS		NS		NS		NS		NS		
Toluene	8-Feb-08	1.63		NS		NS		NS		1.8		NS		NS		NS		2.72		455		NS	
	27-Mar-08	NS		2.24		NS		NS		NS		1.45		NS		NS		NS		11.3		16.1	
	25-Apr-08	NS		NS		1.39		NS		NS		NS		1.34		NS		11.2		NS		21.8	
	29-May-08	NS		NS		NS		7.74		NS		NS		NS		11.6		21		13		NS	
	27-Jun-08	14.7		NS		NS		NS		2.33		NS		NS		NS		NS		10.6		22.2	
	31-Jul-08	NS		4.15		NS		NS		NS		NS		NS		NS		10.2		NS		6.11	
	28-Aug-08	NS		NS		6.48		NS		NS		NS		3.44		NS		10		11.2		NS	
	30-Sep-08	NS		NS		1.9		NS	U	NS		NS		NS		6.1		NS		7.5		8.6	
	27-Oct-08	56.3		NS		NS		NS		3.2		NS		NS		NS		6.6		NS		8.2	
	25-Nov-08	NS		7.8		NS		NS		NS		7.8		NS		NS		29.9		18.6		NS	
	18-Dec-08	NS		NS		2		NS		NS		NS		1.9	U	NS		NS		4.8		4.9	
	21-Jan-09	NS		NS		NS		1.9	U	NS		NS		NS		1.9	U	1.9	U	NS		1.9	U
	25-Feb-09	7		NS		NS		NS		1.9	U	NS		NS		NS		1.9	U	13.8		NS	
	26-Mar-09	NS		3.53		NS		NS		NS		3.92		NS		NS		NS		7.23		9.75	
	29-Apr-09	NS		NS		1.99		NS		NS		NS		0.651		NS		0.149		NS		4.56	
	22-Jul-09	38.7		NS		38.7		2.22		NS		4.71		NS		NS		80.1		5.32		NS	
	9-Oct-09	NS		3.53		NS		NS		3.06		NS		1.07		23.6		3.12		NS		3.67	
	15-Jan-10	12.8		NS		4.17		4.33		NS		5.81		NS		NS		4.81		4.85		NS	
	21-Apr-10	NS		NS		NS		2.97		NS		NS		3.75		NS		2.84		NS		5.08	
	16-Jul-10	22.2		NS		17.9		5.98		NS		5.54		NS		NS		5.77		5.85		NS	
	15-Oct-10	NS		1.67		NS		NS		2.1		NS		1.72		3.37		2.23		NS		3.26	
	26-Jan-11	6.06		6.82		NS		6.82		NS		4.74		NS		5.95		12.1		11.9		NS	
	28-Feb-11	NS		NS		1.88		NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.836		NS		NS		0.682		NS		1.25		3.62		2.08		NS		1.62	
	26-Jul-11	8.29		NS		3.96		1.15		NS		1.62		NS		NS		2.31		1.68		NS	
	28-Oct-11	NS		1.9	U	NS		NS		1.9	U	NS		1.9	U	3.3		4.7		NS		3.8	
	23-Jan-12	7.9		NS		3.8		1.9		NS		NS		NS		NS		5.2		15		NS	
	13-Apr-12	NS		0.75		NS		NS		0.38	U	NS		0.38	U	1.3		2.4		NS		1.5	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		1.9	U	NS	
	23-Jun-12	8.5		NS		3.5		1.5		NS		2.5		NS		NS		2.4		1.8		NS	
	1-Nov-12	NS		2		NS		NS		1.7		NS		2.3		2.8		2.8		NS		4.5	
	1-Feb-13	2.4		NS		0.69		0.69		NS		0.71		NS		NS		1.4		NS		NS	
29-Apr-13	NS		NS		NS		1.7		NS		1.3		NS		2.1		3.1		NS		3.9		
9-Jul-13	11		NS																				

**Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2014**

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	
		Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
1,1,1-Trichloroethane*	8-Feb-08	0.11	U	NS		NS		NS		0.11	U	NS		NS		NS		0.11	U	0.56		NS	
	27-Mar-08	NS		0.109	U	NS		NS		NS		0.109	U	NS		NS		NS		0.522		0.266	
	25-Apr-08	NS		NS		0.109	U	NS		NS		NS		0.109	U	NS		0.109	U	NS		0.119	
	29-May-08	NS		NS		NS		0.12		NS		NS		NS		0.11	U	NS		0.11	U	0.54	
	27-Jun-08	0.17	U	NS		NS		NS		0.458		NS		NS		NS		NS		0.377		0.138	
	31-Jul-08	NS		0.109	U	NS		NS		NS		NS		NS		NS		0.109	U	NS		0.109	U
	28-Aug-08	NS		NS		0.109	U	NS		NS		NS		0.153		NS		0.109	U	0.492		NS	
	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		NS		3.4	U	NS		NS		3.4	U	NS		3.4	U
	25-Nov-08	NS		2.7	U	NS		NS		NS		2.7	U	NS		NS		2.7	U	2.7	U	2.7	U
	18-Dec-08	NS		NS		2.7	U	NS		NS		NS		2.7	U	NS		NS		2.7	U	2.7	U
	21-Jan-09	NS		NS		NS		2.7	U	NS		NS		NS		2.7	U	NS		2.7	U	2.7	U
	25-Feb-09	2.7	U	NS		NS		NS		NS		2.7	U	NS		NS		2.7	U	2.7	U	2.7	U
	26-Mar-09	NS		1.59		NS		NS		NS		1.09	U	NS		NS		NS		0.682		0.213	
	29-Apr-09	NS		NS		0.174		NS		NS		NS		0.147		NS		0.158		NS		0.191	
	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	
	9-Oct-09	NS		0.109	U	NS		NS		NS		0.158		NS		0.191		22.8	U	0.109	U	NS	
	15-Jan-10	0.109	U	NS		0.109	U	1.09	U	NS		0.109	U	NS		NS		0.109	U	0.692		NS	
	21-Apr-10	NS		0.109	U	NS		NS		NS		0.545	U	NS		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	U	NS		NS		0.109	U	0.562		NS	
	15-Oct-10	NS		0.272		NS		NS		0.349		NS		0.109	U	NS		0.109	U	NS		0.109	U
	26-Jan-11	1.09	U	0.109	U	NS		0.109	U	NS		0.545	U	NS		0.545	U	0.545	U	0.845		NS	
	28-Feb-11	NS		NS		1.09	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.109	U	NS		NS		NS		0.109	U	NS		0.109	U	0.109	U	NS		0.109	U
	26-Jul-11	0.364	U	NS		0.364	U	0.109	U	NS		0.873		NS		NS		0.109	U	0.546	U	NS	
	28-Oct-11	NS		2.7	U	NS		NS		NS		2.7	U	NS		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	U	NS		NS		0.55	U	1.3		NS	
	13-Apr-12	NS		0.27	U	NS		NS		NS		0.27	U	NS		0.27	U	0.27	U	NS		0.27	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		1.4	U	NS	
	23-Jun-12	0.55	U	NS		0.55	U	0.55	U	NS		0.55	U	NS		NS		0.55	U	0.7		NS	
	1-Nov-12	NS		0.25		NS		NS		NS		0.27		NS		0.055	U	0.055	U	NS		0.14	
	1-Feb-13	0.055	U	NS		0.055	U	0.055	U	NS		0.83		NS		NS		0.055	U	0.23		NS	
	29-Apr-13	NS		0.15		NS		NS		NS		0.076		NS		0.055	U	0.061		NS		0.055	U
9-Jul-13	0.082	U	NS		0.055	U	0.061		NS		0.33		NS		NS		0.055	U	0.26		NS		
18-Oct-13	NS		0.23		NS		NS		NS		0.19		NS		0.11	U	0.11	U	NS		0.28		
9-Jan-14	0.11	U	NS		0.11	U	0.11	U	NS		0.41		NS		NS		0.11	U	0.46		NS		
24-Apr-14	NS		0.055	U	NS		NS		NS		0.055	U	NS		0.055	U	0.055	U	0.42		0.16	U	
1-Aug-14	0.11	U	NS		0.16	U	0.16	U	NS		NS		NS		NS		0.11	U	0.22		NS		
27-Aug-14	NS		NS		NS		NS		NS		NS		0.35		NS		NS		NS		NS		
1,1,2-Trichloroethane	8-Feb-08	0.11	U	NS		NS		NS		0.11	U	NS		NS		NS		0.11	U	0.11	U	NS	
	27-Mar-08	NS		0.109	U	NS		NS		NS		0.109	U	NS		NS		NS		0.109	U	0.109	U
	25-Apr-08	NS		NS		0.109	U	NS		NS		NS		0.109	U	NS		0.109	U	NS		0.109	U
	29-May-08	NS		NS		NS		0.11	U	NS		NS		NS		0.11	U	NS		0.11	U	NS	
	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	NS		0.109	U	NS		NS		NS		NS		NS		NS		0.109	U	NS		0.109	U
	28-Aug-08	NS		NS		0.109	U	NS		NS		NS		0.109	U	NS		0.109	U	NS		NS	
	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		NS		0.11	U	NS		NS		NS		0.11	U	0.11	U
	25-Nov-08	NS		0.11	U	NS		NS		NS		0.11	U	NS		NS		0.11	U	NS		NS	
	18-Dec-08	NS		NS		0.11	U	NS		NS		NS		0.11	U	NS		NS		0.11	U	0.11	U
	21-Jan-09	NS		NS		NS		0.11	U	NS		NS		NS		NS		0.11	U	NS		0.11	U
	25-Feb-09	0.11	U	NS		NS		NS		NS		0.11	U	NS		NS		NS		0.11	U	NS	
	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		NS		0.109	U	NS		NS		NS		0.109	U	NS		0.109	U	NS		0.109	U
	22-Jul-09	0.545	U	NS		22.2	U	1.09	U	NS		0.545	U	NS		NS		0.109	U	0.109	U	NS	
	9-Oct-09	NS		0.109	U	NS		NS		NS		0.109	U	NS		0.109	U	22.8	U	0.109	U	NS	
	15-Jan-10	0.109	U	NS		0.109	U	1.09	U	NS		0.081	U	NS		NS		0.109	U	0.109	U	NS	
	21-Apr-10	NS		0.109	U	NS		NS		NS		0.545	U	NS		0.545	U	0.109	U	NS		0.109	U
	16-Jul-10	0.109	U	NS		0.109	U	0.109	U	NS		0.824	U	NS		NS		1.09	U	0.109	U	NS	
	15-Oct-10	NS		0.109		NS		NS		0.109		NS		0.109	U	NS		0.109	U	NS		0.109	U
	26-Jan-11	1.09	U	0.109	U	NS		0.109	U	NS		0.545	U	NS		0.547	U	0.545	U	NS		NS	
	28-Feb-11	NS		NS		1.09	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.109	U	NS		NS		NS		0.109	U	NS		0.109	U	0.109	U	NS		0.109	U
	26-Jul-11	0.364	U	NS		0.364	U	0.109	U	NS		0.546	U	NS		NS		0.109	U	0.546	U	NS	
	28-Oct-11	NS		2.7	U	NS		NS		NS		2.7	U	NS		2.7	U	2.7	U	NS		2.7	U
	23-Jan-12	0.55	U	NS		0.55	U	0.55	U	NS		0.55	U	NS		NS		0.55	U	4.2		NS	
	13-Apr-12	NS		0.27	U	NS		NS		NS		0.27	U	NS		0.27	U	0.27	U	NS		0.27	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		1.4	U	NS	
	23-Jun-12	0.55	U	NS		0.55	U	0.55	U	NS		0.5	U	NS		NS		0.55	U	0.55	U	NS	
	1-Nov-12	NS		0.055	U	NS		NS		NS		0.055	U	NS		0.055	U	0.055	U	NS		0.055	U
	1-Feb-13	0.055	U	NS		0.055	U	0.055	U	NS		0.055	U	NS		NS		0.055	U	0.055	U	NS	
	29-Apr-13	NS		0.14	U	NS		NS		NS		0.055	U	NS		0.055	U	0.055	U	NS		0.055	U
9-Jul-13	0.082	U	NS		0.055	U	0.055	U	NS		0.055	U	NS		NS		0.055	U	0.055	U	NS		
18-Oct-13	NS		0.11	U	NS		NS		NS		0.11	U	NS		0.11	U	0.11	U	NS		0.11	U	
9-Jan-14	0.11	U	NS		0.11	U	0.11	U	NS		0.11	U	NS		NS		0.11	U	0.11	U	NS		
24-Apr-14	NS		0.055	U	NS		NS		NS		0.055	U	NS		0.055	U	0.055	U	0.055	U	0.16	U	
1-Aug-14	0.11	U	NS		0.16	U	0.16	U	NS		NS		NS		NS		0.11	U	0.11	U	NS		
27-Aug-14	NS		NS		NS		NS		NS		NS		0.055	U	NS		NS		NS		NS		

**Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2014**

Volatile Organic Compounds via 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
		Trichloroethene*	8-Feb-08	0.12		NS		NS		NS		0.11	U	NS		NS		NS		0.2		19.6	
	27-Mar-08	NS		0.107	U	NS		NS		NS		0.152		NS		NS		NS		13.4		5.34	
	25-Apr-08	NS		NS		0.199		NS		NS		NS		1.35		NS		0.668		NS		3.39	
	29-May-08	NS		NS		NS		26.5		NS		NS		NS		0.15		0.37		13.6		NS	
	27-Jun-08	0.408		NS		NS		258		NS		NS		NS		NS		NS		13.6		6.56	
	31-Jul-08	NS		1.24		NS		NS		NS		NS		NS		NS		0.126		NS		3.26	
	28-Aug-08	NS		NS		0.558		NS		NS		NS		3.56		NS		0.432		18.4		NS	
	30-Sep-08	NS		NS		NS		56.2		NS		NS		NS		0.8	U	NS		22.7		3.95	
	27-Oct-08	0.8	U	NS		NS		NS		117		NS		NS		NS		2.99		NS		0.8	U
	25-Nov-08	NS		2.92		NS		NS		NS		1.89		NS		NS		0.54	U	39.8		NS	
	18-Dec-08	NS		NS		0.54	U	NS		NS		NS		0.54	U	NS		NS		4.56		2.48	
	21-Jan-09	NS		NS		NS		19.6		NS		NS		NS		0.54	U	0.54	U	NS		4.99	
	25-Feb-09	0.44		NS		NS		NS		99.5		NS		NS		NS		0.56		10.7		NS	
	26-Mar-09	NS		9.2		NS		NS		NS		3.88		NS		NS		NS		25.1		5.49	
	29-Apr-09	NS		NS		0.22		NS		NS		NS		1.2		NS		0.392		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	
	9-Oct-09	NS		0.091	U	NS		NS		26		NS		1.24		22.4	U	0.182		NS		3.26	
	15-Jan-10	0.591		NS		0.242		17.7		NS		0.172		NS		NS		0.107	U	18.5		NS	
	21-Apr-10	NS		0.107	U	NS		NS		34		NS		0.94		0.537	U	0.891		NS		2.01	
	16-Jul-10	0.333		NS		0.333		8.14		NS		0.811	U	NS		NS		0.107		27.8		NS	
	15-Oct-10	NS		2.26		NS		NS		129		NS		1.92		0.177		0.317		NS		1.3	
	26-Jan-11	1.07	U	1.63		NS		9.94		NS		0.537	U	NS		0.617		1.23		27.1		NS	
	28-Feb-11	NS		NS		1.07	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.231		NS		NS		78.1		NS		0.891		0.107	U	0.107	U	NS		1.56	
	26-Jul-11	1.18		NS		0.358	U	29.6		NS		10.5		NS		NS		0.247		20.5		NS	
	28-Oct-11	NS		2.7	U	NS		NS		110		NS		2.7	U	2.7	U	2.7	U	NS		2.7	U
	23-Jan-12	0.88		NS		0.54	U	6.8		NS		7.8		NS		NS		0.54	U	44		NS	
	13-Apr-12	NS		0.27	U	NS		NS		83		NS		1.5		0.27	U	0.27	U	NS		4.1	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		32		NS	
	23-Jun-12	1.1		NS		0.54	U	92		NS		0.75		NS		NS		0.54	U	35		NS	
	1-Nov-12	NS		2.4		NS		NS		92		NS		1.9		0.32		0.28		NS		6.9	
	1-Feb-13	0.85		NS		0.064		21		NS		5.6		NS		NS		0.077		20		NS	
	29-Apr-13	NS		1.7		NS		NS		46		NS		0.84		0.12		0.44		NS		1.9	
	9-Jul-13	0.60		NS		0.22		27		NS		2.6		NS		NS		0.14		22	U	NS	
	18-Oct-13	NS		3.3		NS		NS		76		NS		2.2		0.48		0.66		NS		15	
	9-Jan-14	0.49		NS		0.11	U	36		NS		1.8		NS		NS		0.13		43		NS	
	24-Apr-14	NS		1.0		NS		NS		58		NS		0.81		0.13		1.0		31		2.4	
	1-Aug-14	2.70		NS		0.23		15/19		NS		NS		NS		NS		1.2		16/18		NS	
	27-Aug-14	NS		NS		NS		NS		NS		2.6/3.4		NS		NS		NS		NS		NS	
Trichlorofluoromethane	8-Feb-08	1.22		NS		NS		NS		1.22		NS		NS		NS		1.06		15.9		NS	
	27-Mar-08	NS		1.27		NS		NS		NS		1.18		NS		NS		NS		12		9.02	
	25-Apr-08	NS		NS		1.18		NS		NS		NS		5.2		NS		1.66		NS		3.83	
	29-May-08	NS		NS		NS		33.5		NS		NS		NS		0.98		1.05		10.6		NS	
	27-Jun-08	1.29		NS		NS		NS		75.2		NS		NS		NS		NS		8.85		8.89	
	31-Jul-08	NS		1.01		NS		NS		NS		NS		NS		NS		0.958		NS		5.1	
	28-Aug-08	NS		NS		2.53		NS		NS		NS		18		NS		1.79		15.6		NS	
	30-Sep-08	NS		NS		NS		53.8		NS		NS		NS		2.8	U	NS		14.5		10.4	
	27-Oct-08	2.8	U	NS		NS		NS		44.4		NS		NS		NS		6.1		NS		2.8	U
	25-Nov-08	NS		10		NS		NS		NS		12.2		NS		NS		2.8	U	34		NS	
	18-Dec-08	NS		NS		2.8	U	NS		NS		NS		4.9		NS		NS		4.8		7.1	
	21-Jan-09	NS		NS		NS		26.9		NS		NS		NS		7.2		2.8	U	NS		10.4	
	25-Feb-09	2.8	U	NS		NS		NS		14.8		NS		NS		NS		2.8	U	7.1		NS	
	26-Mar-09	NS		1.43		NS		NS		NS		2.81	U	NS		NS		NS		19.6		10.3	
	29-Apr-09	NS		NS		1.45		NS		NS		NS		4.23		NS		1.27		NS		3.17	
	22-Jul-09	1.46		NS		1.46		19.9		NS		3.42		NS		NS		1.28		6.46		NS	
	9-Oct-09	NS		0.156		NS		NS		20		NS		11		58.6	U	1.65		NS		9.32	
	15-Jan-10	1.39		NS		2.1		16.6		NS		1.78		NS		NS		1.34		15.4		NS	
	21-Apr-10	NS		0.466		NS		NS		10.1		NS		4.83		1.4	U	4.95		NS		5.47	
	16-Jul-10	2.6		NS		1.84		16.4		NS		2.12	U	NS		NS		2.23		19.8		NS	
	15-Oct-10	NS		9.63		NS		NS		72.2		NS		13.7		5.65		9.85		NS		10	
	26-Jan-11	2.81	U	1.16		NS		13.8		NS		1.4	U	NS		1.4	U	1.71		26		NS	
	28-Feb-11	NS		NS		2.81	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		1.12		NS		NS		12.8		NS		3.24		1.27		1.17		NS		2.53	
	26-Jul-11	4.27		NS		1.31	U	41.2		NS		15.3		NS		NS		1.62		10		NS	
	28-Oct-11	NS		2.8	U	NS		NS		30		NS		5.1		2.8	U	2.9		NS		4.2	
	23-Jan-12	2.1		NS		1.5		28		NS		29		NS		NS		1.4		16		NS	
	13-Apr-12	NS		1.9		NS		NS		15		NS		6.4		2.1		2		NS		8.8	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		21		NS	
	23-Jun-12	2.4		NS		1.1		85		NS		2.2		NS		NS		1.2		15		NS	
	1-Nov-12	NS		3.3		NS		NS		33		NS		6.7		1.2		1.2		NS		7.2	
	1-Feb-13	2.1		NS		1.6		15		NS		17		NS	</								

**Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2014**

Volatile Organic Compounds via 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		
1,2,4-Trimethylbenzene	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		NS		0.152		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		NS		0.6		NS		NS		NS		1		1.26		0.48		NS			
	27-Jun-08	7.46		NS		NS		NS		1.15		NS		NS		NS		NS		0.638		0.736			
	31-Jul-08	NS		1.86		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		0.653		NS			
	30-Sep-08	NS		NS		NS		2.5	U	NS		NS		NS		2.5	U	NS		NS		2.5	U		
	27-Oct-08	11.4		NS		NS		NS		NS	U	NS		NS		NS		2.5	U	NS		2.9		U	
	25-Nov-08	NS		2.5	U	NS		NS		NS		2.5	U	NS		NS		6.4		NS		5.2		NS	
	18-Dec-08	NS		NS		2.5	U	NS		NS		NS		2.5	U	NS		NS		NS		2.5	U	NS	
	21-Jan-09	NS		NS		NS		2.5	U	NS		NS		NS		2.5	U	NS		NS		2.5	U	NS	
	25-Feb-09	17.5		NS		NS		NS		4		NS		NS		NS		6.2		NS		2.9		NS	
	26-Mar-09	NS		0.491	U	NS		NS		NS		0.982	U	NS		NS		NS		NS		1.09		1.55	
	29-Apr-09	NS		NS		0.265		NS		NS		NS		0.378		NS		0.707		NS		NS		0.801	
	22-Jul-09	3.49		NS		20	U	0.982	U	NS		0.737		NS		NS		56.4		NS		0.86		NS	
	9-Oct-09	NS		0.707		NS		NS		NS		0.781		NS		0.648		20.5	U	1.36		NS		0.584	
	15-Jan-10	2.87		NS		0.354		0.29		NS		0.314		NS		NS		NS		1.06		1.17		NS	
	21-Apr-10	NS		0.211		NS		NS		0.933		NS		1.42		1.13		0.653		NS		NS		0.702	
	16-Jul-10	8.3		NS		8.23		8.09		NS		6.27		NS		NS		4.28		NS		5.05		NS	
	15-Oct-10	NS		1.29		NS		NS		1.61		NS		1.1		1.38		NS		1.86		NS		2.35	
	26-Jan-11	1.23		1.4		NS		1.6		NS		0.491	U	NS		1.35		6.93		NS		10.4		NS	
	28-Feb-11	NS		NS		0.982	U	NS		NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.845		NS		NS		0.855		NS		NS		1.24		1.06		2.06		NS		1.09	
	26-Jul-11	1.29		NS		2.67		0.61		NS		0.541		NS		NS		NS		2.48		0.541		NS	
	28-Oct-11	NS		2.5	U	NS		NS		NS		2.5	U	NS		2.5	U	NS		3.7		NS		3.1	
	23-Jan-12	3		NS		0.76		0.49	U	NS		0.71		NS		NS		NS		2.7		NS		NS	
	13-Apr-12	NS		0.49	U	NS		NS		NS		0.49	U	NS		NS		1.1		NS		NS		1.3	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
	23-Jun-12	4.1		NS		1.3		1.2		NS		1.1		NS		NS		NS		2.1		1.1		NS	
	1-Nov-12	NS		1.7		NS		NS		2.5		NS		3.1		3		3.2		NS		NS		3.3	
	1-Feb-13	1.2		NS		0.23		0.21		NS		0.3		NS		NS		NS		1		0.86		NS	
	29-Apr-13	NS		0.54		NS		NS		NS		0.74		NS		0.66		0.83		1		NS		0.84	
	9-Jul-13	4.2		NS		1.6		1.8		NS		1.8		NS		NS		2		NS		2.0		NS	
	18-Oct-13	NS		NS		4.8		NS		4.3		NS		5.6		6.4		5.0		NS		NS		5.7	
	9-Jan-14	2.7		NS		2.7		3.8		NS		3.8		NS		NS		12.0		NS		13.0		NS	
	24-Apr-14	NS		0.098	U	NS		NS		0.098	U	NS		NS		0.13		0.098	U	NS		0.1		2.6	
	1-Aug-14	4.1		NS		6.5/5.1		3.0/3.6		NS		NS		NS		NS		NS		2.6		6.3/4.3		NS	
	27-Aug-14	NS		NS		NS		NS		NS		NS		1.1		NS		NS		NS		NS		NS	
	1,3,5-Trimethylbenzene	8-Feb-08	0.1	U	NS		NS		NS		0.1	U	NS		NS		NS		0.47		0.66		NS		
27-Mar-08		NS		0.14		NS		NS		NS		0.098	U	NS		NS		NS		0.349		0.275			
25-Apr-08		NS		NS		1.6		NS		NS		NS		0.228		NS		0.192		NS		0.134			
29-May-08		NS		NS		NS		0.18		NS		NS		NS		0.32		0.43		NS		NS			
27-Jun-08		5.16		NS		NS		NS		0.463		NS		NS		NS		NS		0.236		0.25			
31-Jul-08		NS		0.713		NS		NS		NS		NS		NS		NS		0.276		NS		0.224			
28-Aug-08		NS		NS		0.497		NS		NS		NS		0.215		NS		0.248		0.233		NS			
30-Sep-08		NS		NS		2.5	U	NS		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	U	NS		2.5	U		
25-Nov-08		NS		2.5	U	NS		NS		NS		2.5	U	NS		NS		2.5	U	NS		NS			
18-Dec-08		NS		NS		2.5	U	NS		NS		NS		2.5	U	NS		NS		NS		NS			
21-Jan-09		NS		NS		NS		2.5	U	NS		NS		NS		2.5	U	NS		NS		NS			
25-Feb-09		9.1		NS		NS		NS		2.5	U	NS		NS		NS		NS		NS		NS			
26-Mar-09		NS		0.491	U	NS		NS		NS		0.982	U	NS		NS		NS		NS		0.337		0.425	
29-Apr-09		NS		NS		0.147		NS		NS		NS		0.128		NS		0.211		NS		NS		0.241	
22-Jul-09		3		NS		20	U	0.982	U	NS		0.491	U	NS		NS		NS		22.7		0.275		NS	
9-Oct-09		NS		0.216		NS		NS		0.241		NS		0.187		20.5	U	0.388		NS		NS		0.226	
15-Jan-10		2.15		NS		0.118		0.098	U	NS		0.108		NS		NS		0.29		0.334		NS		NS	
21-Apr-10		NS		0.098	U	NS		NS		0.491	U	NS		0.491	U	0.491	U	0.177		NS		NS		0.206	
16-Jul-10		2.76		NS		1.88		1.81		NS		1.67		NS		NS		1.08		NS		1.25		NS	
15-Oct-10		NS		0.418		NS		NS		0.383		NS		0.275		0.324		0.545		NS		NS		0.54	
26-Jan-11		0.982	U	0.437		NS		0.472		NS		0.491	U	NS		NS		1.99		NS		NS		NS	
28-Feb-11		NS		NS		0.982	U	NS		NS		NS		NS		NS		NS		NS		NS		NS	
27-Apr-11		NS		0.255		NS		NS		0.27		NS		0.368		0.329		0.599		NS		NS		0.354	
26-Jul-11		0.688		NS		0.885		0.182		NS		0.492	U	NS		NS		0.664		NS		0.492	U	NS	
28-Oct-11		NS		2.5	U	NS		NS		2.5	U	NS		2.5	U	2.5	U	NS		NS		NS		2.5	U
23-Jan-12		0.99		NS		0.49	U	0.49	U	NS		NS		NS		NS		0.71		NS		0.83		NS	
13-Apr-12		NS		0.49	U	NS		NS		0.49	U	NS		0.49	U	0.49	U	1.1		NS		NS		0.49	U
2-Jul-12 (resample)		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
23-Jun-12		1.6		NS																					

**Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2014**

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
Vinyl chloride*	8-Feb-08	0.05	U	NS		NS		NS		0.05	U	NS		NS		NS		0.05	U	0.05	U	NS	
	27-Mar-08	NS		0.051	U	NS		NS		NS		0.051	U	NS		NS		NS		0.051	U	0.051	U
	25-Apr-08	NS		NS		0.051	U	NS		NS		NS		0.75		NS		0.051	U	NS		0.051	U
	29-May-08	NS		NS		NS		0.05	U	NS		NS		NS		0.05	U	NS		0.05	U	NS	
	27-Jun-08	0.08	U	NS		NS		NS		0.051	U	NS		NS		NS		NS		0.051	U	NS	
	31-Jul-08	NS		0.051	U	NS		NS		NS		NS		NS		NS		NS		0.051	U	NS	
	28-Aug-08	NS		NS		0.051	U	NS		NS		NS		0.051	U	NS		NS		0.051	U	NS	
	30-Sep-08	NS		NS		NS		0.255	U	0.1	U	NS		NS		0.1	U	NS		NS		0.1	U
	27-Oct-08	0.1	U	NS		NS		NS		NS		0.1	U	NS		NS		NS		0.1	U	NS	
	25-Nov-08	NS		0.1	U	NS		NS		NS		0.1	U	NS		NS		NS		0.1	U	NS	
	18-Dec-08	NS		NS		0.1	U	NS		NS		NS		0.1	U	NS		NS		NS		0.1	U
	21-Jan-09	NS		NS		NS		0.1	U	NS		NS		NS		0.1	U	NS		NS		0.1	U
	25-Feb-09	0.1	U	NS		NS		NS		NS		0.1	U	NS		NS		NS		0.1	U	NS	
	26-Mar-09	NS		0.255	U	NS		NS		NS		0.511	U	NS		NS		NS		NS		0.051	U
	29-Apr-09	NS		NS		0.061	U	NS		NS		NS		0.051	U	NS		NS		0.051	U	NS	
	22-Jul-09	0.255	U	NS		NS		0.511	U	0.511	U	0.255	U	NS		NS		NS		0.051	U	NS	
	9-Oct-09	NS		1.72		NS		NS		NS		0.051	U	NS		10.7	U	NS		NS		0.051	U
	15-Jan-10	0.051	U	NS		0.061	U	0.051	U	NS		NS		0.051	U	NS		NS		0.051	U	NS	
	21-Apr-10	NS		0.051	U	NS		NS		0.255	U	NS		0.256	U	0.255	U	NS		0.051	U	NS	
	16-Jul-10	0.051	U	NS		1.98		0.051	U	NS		0.386	U	NS		NS		NS		0.051	U	NS	
	15-Oct-10	NS		0.051	U	NS		NS		0.051	U	NS		0.051	U	0.051	U	NS		0.051	U	NS	
	26-Jan-11	0.511	U	0.051	U	NS		0.051	U	NS		0.255	U	NS		0.255	U	NS		0.255	U	NS	
	28-Feb-11	NS		NS		0.511	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.051	U	NS		NS		0.051	U	NS		0.051	U	0.051	U	NS		0.051	U	NS	
	26-Jul-11	0.17	U	NS		0.17	U	0.051	U	NS		0.256	U	NS		NS		NS		0.051	U	NS	
	28-Oct-11	NS		1.3	U	NS		NS		1.3	U	NS		1.3	U	1.3	U	NS		1.3	U	NS	
	23-Jan-12	0.26	U	NS		0.26	U	0.26	U	NS		0.26	U	NS		NS		NS		0.26	U	NS	
	13-Apr-12	NS		0.13	U	NS		NS		0.13	U	NS		0.13	U	0.13	U	NS		0.13	U	NS	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
	23-Jun-12	0.26	U	NS		0.26	U	0.26	U	NS		0.26	U	NS		NS		NS		0.26	U	NS	
1-Nov-12	NS		0.026	U	NS		NS		0.026	U	NS		0.026	U	0.026	U	NS		0.026	U	NS		
1-Feb-13	0.065		NS		0.026	U	0.026	U	NS		0.026	U	NS		NS		NS		0.026	U	NS		
29-Apr-13	NS		0.41		NS		NS		0.045		NS		0.026	U	0.026	U	NS		0.026	U	NS		
9-Jul-13	0.038	U	NS		0.026	U	0.085		NS		0.026	U	NS		NS		NS		0.026	U	NS		
18-Oct-13	NS		0.051	U	NS		NS		0.074		NS		0.051	U	0.063		NS		0.051	U	NS		
9-Jan-14	0.092		NS		0.051	U	0.051	U	NS		0.051	U	NS		NS		NS		0.051	U	NS		
24-Apr-14	NS		0.026	U	NS		NS		0.026	U	NS		0.026	U	0.10		NS		0.026	U	NS		
1-Aug-14	0.21		NS		0.38	U	0.077	U	NS		NS		NS		NS		NS		0.051	U	NS		
27-Aug-14	NS		NS		NS		NS		NS		0.026	U	NS		NS		NS		NS		NS		
p/m-Xylene	8-Feb-08	0.55		NS		NS		NS		0.63		NS		NS		NS		1.04		18.3		NS	
	27-Mar-08	NS		0.893		NS		NS		NS		0.389		NS		NS		NS		2.17		1.33	
	25-Apr-08	NS		NS		0.815		NS		NS		NS		NS		NS		2.54		NS		1.81	
	29-May-08	NS		NS		NS		5		NS		NS		NS		7.58		10.1		3.34		NS	
	27-Jun-08	12.6		NS		NS		NS		1.5		NS		NS		NS		NS		1.91		2.33	
	31-Jul-08	NS		2.4		NS		NS		NS		NS		NS		NS		2.08		NS		1.55	
	28-Aug-08	NS		NS		2.33		NS		NS		NS		1.44		NS		2.13		1.94		NS	
	30-Sep-08	NS		NS		4.3		NS	U	NS		NS		NS		4.3	U	NS		4.3	U	4.3	U
	27-Oct-08	41.6		NS		NS		NS		4.3	U	NS		NS		NS		4.3	U	NS		4.3	U
	25-Nov-08	NS		4.7		NS		NS		4.3	U	NS		4.3		NS		8.5		8.9		NS	
	18-Dec-08	NS		NS		4.3	U	NS		NS		NS		4.3	U	NS		NS		4.3	U	4.3	U
	21-Jan-09	NS		NS		NS		4.3	U	NS		NS		NS		4.3	U	NS		NS		4.3	U
	25-Feb-09	37.6		NS		NS		NS		4.3	U	NS		NS		NS		8		9.3		NS	
	26-Mar-09	NS		1.35		NS		NS		NS		1.74	U	NS		NS		NS		2.59		3.56	
	29-Apr-09	NS		NS		0.468		NS		NS		NS		0.516		NS		0.933		NS		1.06	
	22-Jul-09	25.6		NS		25.6		1.74	U	NS		3.88		NS		NS		165		3.52		NS	
	9-Oct-09	NS		1.62		NS		NS		1.63		NS		0.915		36.2	U	1.74		NS		1.7	
	15-Jan-10	18.4		NS		1.52		1.48		NS		1.76		NS		NS		2.35		2.65		NS	
	21-Apr-10	NS		0.703		NS		NS		NS		3.28		NS		4.58		4.34		NS		4.77	
	16-Jul-10	21.8		NS		7.01		6.36		NS		4.82		NS		NS		4.95		4.91		NS	
	15-Oct-10	NS		1.81		NS		NS		2.18		NS		1.7		1.88		3.4		NS		2.88	
	26-Jan-11	3.08		4.24		NS		4.37		NS		3.06		NS		3.17		11.5		13.6		NS	
	28-Feb-11	NS		NS		1.74	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.694		NS		NS		0.707		NS		0.889		NS		1.15		NS		1.44	
	26-Jul-11	9.99		NS		3.96		1.02		NS		0.999		NS		NS		0.956		1.26		NS	
	28-Oct-11	NS		4.3	U	NS		NS		4.3	U	NS		4.3	U	NS		9.8		NS		4.3	U
	23-Jan-12	7.9		NS		2		1.3		NS		2		NS		NS		4.4		14		NS	
	13-Apr-12	NS		0.87	U	NS		NS		0.87	U	NS		0.87	U	0.87		3.6		NS		1.1	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
	23-Jun-12	12		NS		1.1		0.87	U	NS		0.94		NS		NS		1.7		1.1	U	NS	
1-Nov-12	NS		2.1		NS		NS		2.4		NS		3.3		2.9		3.6		NS		5.3		
1-Feb-13	3.4		NS		0.44		0.38		NS		0.59		NS		NS		1.5		1.4		NS		
29-Apr-13	NS		1		NS		NS		1.2		NS		1.2		1.5		1.9		NS		2.4		
9-Jul-13	12		NS		1.9		1.8		NS		1.7		NS		NS		3.2		0.70		NS		
18-Oct-13	NS		5.0		NS		NS		5.6		NS		6.3		8.0		4.7		NS		5.9		
9-Jan-14	8.6		NS		7.2		9.3		NS		9.7		NS		NS		23		22.00		NS		
24-Apr-14	NS		0.17	U	NS		NS		0.17	U	NS		0.17	U	0.17	U	0.28		0.17	U	2.6		
1-Aug-14	4.8		NS		2.8/3.0		1.8/2.1		NS		NS		NS		NS		1.5		2.4/2.8		NS		
27-Aug-14	NS		NS		NS		NS		NS		3.6		NS		NS		NS		NS		NS		

**Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2014**

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	
o-Xylene	8-Feb-08	0.2		NS		NS		NS		0.23		NS		NS		NS		0.48		7.73		NS	
	27-Mar-08	NS		0.273		NS		NS		NS		0.142		NS		NS		NS		0.844		0.478	
	25-Apr-08	NS		NS		0.37		NS		NS		NS		0.406		NS		0.735		NS		0.62	
	29-May-08	NS		NS		NS		1.48		NS		NS		NS		2.26		2.84		1.02		NS	
	27-Jun-08	4.12		NS		NS		NS		0.55		NS		NS		NS		NS		0.672		0.794	
	31-Jul-08	NS		0.835		NS		NS		NS		NS		NS		NS		0.748		NS		0.564	
	28-Aug-08	NS		NS		0.804		NS		NS		NS		0.511		NS		0.797		0.725		NS	
	30-Sep-08	NS		NS		NS		2.2	U	NS		NS		NS		2.2	U	NS		2.2	U	2.2	U
	27-Oct-08	9.8		NS		NS		NS		NS	U	NS		NS		NS		2.2	U	NS		4	U
	25-Nov-08	NS		2.2	U	NS		NS		NS		NS	U	NS		NS		3.1	U	2.2	U	NS	
	18-Dec-08	NS		NS		NS		2.2	U	NS		NS		NS	U	NS		NS		2.2	U	2.2	U
	21-Jan-09	NS		NS		NS		2.2	U	NS		NS		NS		2.2	U	2.2	U	NS		2.2	U
	25-Feb-09	8.9		NS		NS		NS		NS	U	NS		NS		NS		2.2	U	NS		3.2	NS
	26-Mar-09	NS		0.486		NS		NS		NS		0.868	U	NS		NS		NS		0.922		1.28	
	29-Apr-09	NS		NS		0.174		NS		NS		NS		0.208		NS		0.369		NS		0.499	
	22-Jul-09	5.34		NS		5.34		0.868	U	NS		1.39		NS		NS		72.7		1.27		NS	
	9-Oct-09	NS		0.542		NS		NS		NS		0.586		NS		0.343		18.1	U	0.629		0.616	
	15-Jan-10	4.51		NS		0.49		0.49		NS		0.56		NS		NS		NS		0.833		0.846	
	21-Apr-10	NS		0.256		NS		NS		NS		1.17		NS		1.56		1.41		1.24		NS	1.14
	16-Jul-10	5.07		NS		2.84		2.63		NS		2.1		NS		NS		1.88		2.05		NS	
	15-Oct-10	NS		0.672		NS		NS		0.837		NS		0.659		0.729		1.22		NS		1.14	
	26-Jan-11	1.08		1.5		NS		NS		1.54		NS		1.11		NS		1.15		4.32		5.16	
	28-Feb-11	NS		NS		0.868	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.286		NS		NS		NS		0.286		NS		0.369		0.456		0.451		NS	0.551
	26-Jul-11	1.87		NS		1.45		0.334		NS		NS	U	NS		NS		NS		0.365		0.434	
	28-Oct-11	NS		2.2	U	NS		NS		NS		2.2	U	NS		2.2	U	3.3		NS		2.2	U
	23-Jan-12	2.3		NS		0.76		NS		0.54		NS		NS		NS		NS		1.7		4.6	
	13-Apr-12	NS		0.43	U	NS		NS		NS		0.43	U	NS		0.43	U	1.4		NS		0.43	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		2.2	U	NS	
	23-Jun-12	3		NS		0.43	U	NS		0.43	U	NS		NS		NS		0.59		0.44		NS	
1-Nov-12	NS		0.72		NS		NS		NS		0.85		NS		1.1		1.1		1.3		NS	1.8	
1-Feb-13	1		NS		0.19		0.17		NS		0.24		NS		NS		NS		0.64		NS	NS	
29-Apr-13	NS		0.43		NS		NS		NS		0.46		NS		0.41		0.52		0.065		NS	0.86	
9-Jul-13	3.2		NS		0.86		0.90		NS		NS		NS		NS		NS		1.3		0.28	NS	
18-Oct-13	NS		NS		NS		NS		NS		1.9		NS		2.1		2.9		NS		NS	1.7	
9-Jan-14	3.4		NS		3.0		4.00		NS		NS		NS		NS		NS		9.8		NS	NS	
24-Apr-14	NS		0.087	U	NS		NS		0.087	U	NS		NS	U	0.087	U	0.11		0.087	U	NS	1.2	
1-Aug-14	1.9		NS		1.6/1.8		1.10		NS		NS		NS		NS		0.79		1.2/1.6		NS	NS	
27-Aug-14	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	NS	

Notes:
 All data presented in micrograms per cubic meter (ug/m3).
 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.
 * = Site Specific Compound of Concern per ATSDR Health Consultation, December 4, 2006.
 M: 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.
 L: 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.
 V: 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.
 E: Reported result is estimated due to value over calibration range

APPENDIX D

Rooftop Emission Analytical Summary

Alvarez School - Sub Slab Depressurization System Emissions Calculations

Sample Date: 1 August 2014, Flow Speed Date: 28 August 2014

Volatile Organic Compounds	ROOFTOP FAN 1				ROOFTOP FAN 2				ROOFTOP FAN 3				CUMULATIVE EMISSIONS (3 fans combined)		
	Measured Flow Speed (fpm):		Measured Flow Rate (cfm):		Measured Flow Speed (fpm):		Measured Flow Rate (cfm):		Measured Flow Speed (fpm):		Measured Flow Rate (cfm):		Hourly Emission (lbs/hour)	Daily Emission (lbs/day)	Yearly Emission (lbs/year)
	1806	88.7	1739	85.4	1860	91.3	Concentration (ug/m ³)	Hourly Emission (lbs/hour)	Daily Emission (lbs/day)	Yearly Emission (lbs/year)					
Acetone	150.00	4.97E-05	1.19E-03	4.35E-01	120	3.83E-05	9.19E-04	3.35E-01	44	1.50E-05	3.60E-04	1.32E-01	1.03E-04	2.47E-03	9.02E-01
Acrylonitrile	0.25 U	8.29E-08	1.99E-06	7.26E-04	3.30	1.05E-06	2.53E-05	9.22E-03	0.25 U	8.53E-08	2.05E-06	7.47E-04	1.22E-06	2.93E-05	1.07E-02
Benzene	0.68	2.25E-07	5.41E-06	1.97E-03	6.80	2.17E-06	5.21E-05	1.90E-02	0.32	1.09E-07	2.62E-06	9.57E-04	2.50E-06	6.01E-05	2.19E-02
Bromodichloromethane	0.13 U	4.31E-08	1.03E-06	3.77E-04	0.13 U	4.15E-08	9.96E-07	3.63E-04	0.13 U	4.44E-08	1.06E-06	3.89E-04	1.29E-07	3.09E-06	1.13E-03
Bromoform	0.21 U	6.96E-08	1.67E-06	6.10E-04	0.21 U	6.70E-08	1.61E-06	5.87E-04	0.21 U	7.17E-08	1.72E-06	6.28E-04	2.08E-07	5.00E-06	4.82E-03
2-Butanone	11.00	3.65E-06	8.75E-05	3.19E-02	9.7	3.10E-06	7.43E-05	2.71E-02	4.8	1.64E-06	3.93E-05	1.44E-02	8.38E-06	2.01E-04	7.34E-02
n-Butylbenzene	0.32 U	1.06E-07	2.55E-06	9.29E-04	1.10	3.51E-07	8.42E-06	3.07E-03	4.9	1.67E-06	4.01E-05	1.47E-02	2.13E-06	5.11E-05	1.87E-02
sec-Butylbenzene	0.25 U	8.29E-08	1.99E-06	7.26E-04	0.77	2.46E-07	5.90E-06	2.15E-03	0.25 U	8.53E-08	2.05E-06	7.47E-04	4.14E-07	9.93E-06	3.63E-03
Carbon Tetrachloride	0.43	1.43E-08	3.42E-06	1.25E-03	0.45	1.44E-07	3.45E-06	1.26E-03	0.55	1.88E-07	4.51E-06	1.64E-03	4.74E-07	4.14E-05	4.82E-03
Chlorobenzene	0.092 U	3.05E-08	7.32E-07	2.67E-04	0.092 U	2.94E-08	7.05E-07	2.57E-04	0.093 U	3.17E-08	7.62E-07	2.78E-04	9.16E-08	2.20E-06	8.02E-04
Chloroethane	0.100	3.31E-08	7.95E-07	2.90E-04	0.19	6.06E-08	1.46E-06	5.31E-04	0.13	4.44E-08	1.06E-06	3.89E-04	1.38E-07	3.32E-06	1.21E-03
Chloroform	0.50	1.66E-07	3.98E-06	1.45E-03	0.99	3.16E-07	7.58E-06	2.77E-03	2.8	9.56E-07	2.29E-05	8.37E-03	1.44E-06	3.45E-05	1.26E-02
Chloromethane	0.083 U	2.75E-08	6.60E-07	2.41E-04	0.083 U	2.65E-08	6.36E-07	2.32E-04	0.083 U	2.83E-08	6.80E-07	2.48E-04	8.23E-08	1.98E-06	7.21E-04
Dibromochloromethane	0.17 U	5.63E-08	1.35E-06	4.94E-04	0.17 U	5.42E-08	1.30E-06	4.75E-04	0.17 U	5.80E-08	1.39E-06	5.08E-04	1.69E-07	4.05E-06	1.48E-03
1,2-Dibromoethane	0.15 U	4.97E-08	1.19E-06	4.35E-04	0.15 U	4.79E-08	1.15E-06	4.19E-04	0.15 U	5.12E-08	1.23E-06	4.48E-04	1.49E-07	3.57E-06	1.30E-03
1,2-Dichlorobenzene	0.12 U	3.98E-08	9.54E-07	3.48E-04	0.12 U	3.83E-08	9.19E-07	3.35E-04	0.120 U	4.10E-08	9.83E-07	3.59E-04	1.19E-07	2.86E-06	1.04E-03
1,3-Dichlorobenzene	6.80	2.25E-06	5.41E-05	1.97E-02	5.10	1.63E-06	3.91E-05	1.43E-02	7.30	2.49E-06	5.98E-05	2.18E-02	6.37E-06	1.53E-04	5.58E-02
1,4-Dichlorobenzene	0.15	4.97E-08	1.19E-06	4.35E-04	0.16	5.11E-08	1.23E-06	4.47E-04	0.12 U	4.10E-08	9.83E-07	3.59E-04	1.42E-07	3.40E-06	1.24E-03
Dichlorodifluoromethane	2.30	7.62E-07	1.83E-05	6.68E-03	2.1	6.70E-07	1.61E-05	5.87E-03	1.7	5.80E-07	1.39E-05	5.08E-03	2.01E-06	4.83E-05	1.76E-02
1,1-Dichloroethane	0.810 U	2.68E-07	6.44E-06	2.35E-03	0.081 U	2.58E-08	6.20E-07	2.26E-04	0.081 U	2.76E-08	6.64E-07	2.42E-04	3.22E-07	7.73E-06	2.82E-03
1,2-Dichloroethane	0.040 U	1.33E-08	3.18E-07	1.16E-04	0.040 U	1.28E-08	3.06E-07	1.12E-04	0.040 U	1.37E-08	3.28E-07	1.20E-04	3.97E-08	9.52E-07	3.48E-04
1,1-Dichloroethene	0.079 U	2.62E-08	6.28E-07	2.29E-04	0.079 U	2.52E-08	6.05E-07	2.21E-04	0.079 U	2.70E-08	6.47E-07	2.36E-04	7.84E-08	1.88E-06	6.86E-04
cis-1,2-Dichloroethene	0.079 U	2.62E-08	6.28E-07	2.29E-04	0.079 U	2.52E-08	6.05E-07	2.21E-04	0.49	1.67E-07	4.01E-06	1.47E-03	2.19E-07	5.25E-06	1.92E-03
trans-1,2-Dichloroethene	0.079 U	2.62E-08	6.28E-07	2.29E-04	0.079 U	2.52E-08	6.05E-07	2.21E-04	0.079 U	2.70E-08	6.47E-07	2.36E-04	7.84E-08	1.88E-06	6.86E-04
1,2-Dichloropropane	0.092 U	3.05E-08	7.32E-07	2.67E-04	0.092 U	2.94E-08	7.05E-07	2.57E-04	0.092 U	3.14E-08	7.54E-07	2.75E-04	9.12E-08	2.19E-06	7.99E-04
cis-1,3-Dichloropropene	0.091 U	3.02E-08	7.24E-07	2.64E-04	0.091 U	2.90E-08	6.97E-07	2.54E-04	0.091	3.11E-08	7.45E-07	2.72E-04	9.03E-08	2.17E-06	7.91E-04
trans-1,3-Dichloropropene	0.091 U	3.02E-08	7.24E-07	2.64E-04	0.091 U	2.90E-08	6.97E-07	2.54E-04	0.091	3.11E-08	7.45E-07	2.72E-04	9.03E-08	2.17E-06	7.91E-04
Ethylbenzene	0.39	1.29E-07	3.10E-06	1.13E-03	0.45	1.44E-07	3.45E-06	1.26E-03	0.67	2.29E-07	5.49E-06	2.00E-03	5.02E-07	1.20E-05	4.39E-03
Isopropylbenzene	0.25 U	8.29E-08	1.99E-06	7.26E-04	2.60	8.30E-07	1.99E-05	7.27E-03	0.25 U	8.53E-08	2.05E-06	7.47E-04	9.98E-07	2.39E-05	8.74E-03
p-Isopropyltoluene	0.64	2.12E-07	5.09E-06	1.86E-03	2.70	8.62E-07	2.07E-05	7.55E-03	0.54	1.84E-07	4.42E-06	1.61E-03	1.26E-06	3.02E-05	1.10E-02
Methyl tert butyl ether	0.072 U	2.39E-08	5.73E-07	2.09E-04	0.072 U	2.30E-08	5.51E-07	2.01E-04	0.072 U	2.46E-08	5.90E-07	2.15E-04	7.14E-08	1.71E-06	6.26E-04
Methylene chloride	1.30	4.31E-07	1.03E-05	3.77E-03	1.3	4.15E-07	9.96E-06	3.63E-03	1.4	4.78E-07	1.15E-05	4.19E-03	1.32E-06	3.18E-05	1.16E-02
4-Methyl-2-pentanone	0.082 U	2.72E-08	6.52E-07	2.38E-04	1.10	3.51E-07	8.42E-06	3.07E-03	0.60	2.05E-07	4.91E-06	1.79E-03	5.83E-07	1.40E-05	5.11E-03
Styrene	0.62	2.05E-07	4.93E-06	1.80E-03	0.63	2.01E-07	4.82E-06	1.76E-03	0.31	1.06E-07	2.54E-06	9.27E-04	5.12E-07	1.23E-05	4.49E-03
1,1,1,2-Tetrachloroethane	0.250 U	8.29E-08	1.99E-06	7.26E-04	2.70	8.62E-07	2.07E-05	7.55E-03	0.25 U	8.53E-08	2.05E-06	7.47E-04	1.03E-06	2.47E-05	9.02E-03
1,1,2,2-Tetrachloroethane	0.140 U	4.64E-08	1.11E-06	4.06E-04	0.041 U	1.31E-08	3.14E-07	1.15E-04	0.14 U	4.78E-08	1.15E-06	4.19E-04	1.07E-07	2.57E-06	9.40E-04
Tetrachloroethene	24	7.95E-06	1.91E-04	6.97E-02	11	3.51E-06	8.42E-05	3.07E-02	100	3.41E-05	8.19E-04	2.99E-01	4.56E-05	1.09E-03	3.99E-04
Toluene	2.4	7.95E-07	1.91E-05	6.97E-03	19.0	6.06E-06	1.46E-04	5.31E-02	1.1	3.75E-07	9.01E-06	3.29E-03	7.23E-06	1.74E-04	6.34E-02
1,1,1-Trichloroethane	1.2	3.98E-07	9.54E-06	3.48E-03	0.61	1.95E-07	4.67E-06	1.71E-03	0.68	2.32E-07	5.57E-06	2.03E-03	8.24E-07	1.98E-05	7.22E-03
1,1,2-Trichloroethane	0.110 U	3.65E-08	8.75E-07	3.19E-04	0.110 U	3.51E-08	8.42E-07	3.07E-04	0.11 U	3.75E-08	9.01E-07	3.29E-04	1.09E-07	2.62E-06	9.56E-04
Trichloroethylene	56	1.86E-05	4.45E-04	1.63E-01	51	1.63E-05	3.91E-04	1.43E-01	41	1.40E-05	3.36E-04	1.23E-01	4.88E-05	1.17E-03	4.28E-01
Trichlorofluoromethane	38	1.26E-05	3.02E-04	1.10E-01	73	2.33E-05	5.59E-04	2.04E-01	12	4.10E-06	9.83E-05	3.59E-02	4.00E-05	9.60E-04	3.50E-01
1,2,4-Trimethylbenzene	1.80	5.97E-07	1.43E-05	5.23E-03	2.00	6.38E-07	1.53E-05	5.59E-03	3.4	1.16E-06	2.79E-05	1.02E-02	2.40E-06	5.75E-05	2.10E-02
1,3,5-Trimethylbenzene	0.33	1.09E-07	2.62E-06	9.58E-04	0.41	1.31E-07	3.14E-06	1.15E-03	0.68	2.32E-07	5.57E-06	2.03E-03	4.72E-07	1.13E-05	4.14E-03
Vinyl chloride	0.051 U	1.69E-08	4.06E-07	1.48E-04	0.510	1.63E-07	3.91E-06	1.43E-03	0.051 U	1.74E-08	4.18E-07	1.52E-04	1.97E-07	4.73E-06	1.73E-03
p/m-Xylene	1.20	3.98E-07	9.54E-06	3.48E-03	1.50	4.79E-07	1.15E-05	4.19E-03	2.2	7.51E-07	1.80E-05	6.58E-03	1.63E-06	3.91E-05	1.43E-02
o-Xylene	0.60	1.99E-07	4.77E-06	1.74E-03	0.83	2.65E-07	6.36E-06	2.32E-03	1.1	3.75E-07	9.01E-06	3.29E-03	8.39E-07	2.01E-05	7.35E-03
Total VOCs	3.05E+02	1.01E-04	2.42E-03	8.84E-01	1.74E+02	1.03E-04	2.48E-03	9.05E-01	1.69E+02	Not Applicable	Not Applicable	6.87E-01	Not Applicable	Not Applicable	1.38E+00
RIDEM Air Pollution Control Permit Applicability Thresholds (lbs) *	10	100	20,000 (Individual VOCs) 50,000 (Total VOCs)	Not Applicable	10	100	20,000 (Individual VOCs) 50,000 (Total VOCs)	Not Applicable	10	100	20,000 (Individual VOCs) 50,000 (Total VOCs)	10	100	20,000 (Individual VOCs) 50,000 (Total VOCs)	

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.

Hourly Emissions (lbs/hour) = VOC concentration (ug/m³) x measured flow rate (cfm) x 0.02832 m³/ft³ 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

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

APPENDIX E

Indoor Air, Ambient Outdoor Air, Subslab Vapor, And Rooftop Fan Emissions Laboratory Analytical Report

August 13, 2014

Mary Russo
EA Engineering Science & Tech. - RI
2374 Post Road, Suite 102
Warwick, RI 02886

Project Location: Alvarez
Client Job Number:
Project Number: 15066.01
Laboratory Work Order Number: 14H0122

Enclosed are results of analyses for samples received by the laboratory on August 4, 2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Aaron L. Benoit
Project Manager

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

EA Engineering Science & Tech. - RI
 2374 Post Road, Suite 102
 Warwick, RI 02886
 ATTN: Mary Russo

REPORT DATE: 8/13/2014

PURCHASE ORDER NUMBER: 11977

PROJECT NUMBER: 15066.01

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 14H0122

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

PROJECT LOCATION: Alvarez

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Gymnasium	14H0122-01	Indoor air		EPA TO-15	
Cafeteria	14H0122-02	Indoor air		EPA TO-15	
Kitchen Storage	14H0122-03	Indoor air		EPA TO-15	
Elevator Hallway	14H0122-04	Indoor air		EPA TO-15	
Room 145	14H0122-05	Indoor air		EPA TO-15	
Room 152	14H0122-06	Indoor air		EPA TO-15	
Room 118	14H0122-07	Indoor air		EPA TO-15	
Room 110	14H0122-08	Indoor air		EPA TO-15	
MP-1	14H0122-09	Sub Slab		EPA TO-15	
MP-3	14H0122-10	Sub Slab		EPA TO-15	
MP-4	14H0122-11	Sub Slab		EPA TO-15	
IMP-1	14H0122-12	Sub Slab		EPA TO-15	
IMP-2	14H0122-13	Sub Slab		EPA TO-15	
Rooftop Fan 1	14H0122-14	Air		EPA TO-15	
Rooftop Fan 2	14H0122-15	Air		EPA TO-15	
Rooftop Fan 3	14H0122-16	Air		EPA TO-15	
Ambient Outdoor	14H0122-17	Ambient 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:**E**

Reported result is estimated. Value reported over verified calibration range.

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

14H0122-05[Room 145], 14H0122-10[MP-3], 14H0122-11[MP-4], 14H0122-13[IMP-2], 14H0122-14[Rooftop Fan 1], 14H0122-15[Rooftop Fan 2]

L-03

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.

Analyte & Samples(s) Qualified:**4-Methyl-2-pentanone (MIBK)**

14H0122-01[Gymnasium], 14H0122-02[Cafeteria], 14H0122-03[Kitchen Storage], 14H0122-04[Elevator Hallway], 14H0122-05[Room 145], 14H0122-06[Room 152], 14H0122-07[Room 118], 14H0122-08[Room 110], 14H0122-09[MP-1], 14H0122-10[MP-3], 14H0122-11[MP-4], 14H0122-12[IMP-1], 14H0122-13[IMP-2], 14H0122-14[Rooftop Fan 1], 14H0122-15[Rooftop Fan 2], 14H0122-16[Rooftop Fan 3], 14H0122-17[Ambient Outdoor], B102391-BLK1, B102391-BS1, B102391-DUP1

n-Butylbenzene

14H0122-01[Gymnasium], 14H0122-02[Cafeteria], 14H0122-03[Kitchen Storage], 14H0122-04[Elevator Hallway], 14H0122-05[Room 145], 14H0122-06[Room 152], 14H0122-07[Room 118], 14H0122-08[Room 110], 14H0122-09[MP-1], 14H0122-10[MP-3], 14H0122-11[MP-4], 14H0122-12[IMP-1], 14H0122-13[IMP-2], 14H0122-14[Rooftop Fan 1], 14H0122-15[Rooftop Fan 2], 14H0122-16[Rooftop Fan 3], 14H0122-17[Ambient Outdoor], B102391-BLK1, B102391-BS1, B102391-DUP1

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:**Acetone**

14H0122-01[Gymnasium], 14H0122-02[Cafeteria], 14H0122-03[Kitchen Storage], 14H0122-04[Elevator Hallway], 14H0122-05[Room 145], 14H0122-06[Room 152], 14H0122-07[Room 118], 14H0122-08[Room 110], 14H0122-09[MP-1], 14H0122-10[MP-3], 14H0122-11[MP-4], 14H0122-12[IMP-1], 14H0122-13[IMP-2], 14H0122-14[Rooftop Fan 1], 14H0122-15[Rooftop Fan 2], 14H0122-16[Rooftop Fan 3], 14H0122-17[Ambient Outdoor], B102391-BLK1, B102391-BS1, B102391-DUP1

Acrylonitrile

14H0122-01[Gymnasium], 14H0122-02[Cafeteria], 14H0122-03[Kitchen Storage], 14H0122-04[Elevator Hallway], 14H0122-05[Room 145], 14H0122-06[Room 152], 14H0122-07[Room 118], 14H0122-08[Room 110], 14H0122-09[MP-1], 14H0122-10[MP-3], 14H0122-11[MP-4], 14H0122-12[IMP-1], 14H0122-13[IMP-2], 14H0122-14[Rooftop Fan 1], 14H0122-15[Rooftop Fan 2], 14H0122-16[Rooftop Fan 3], 14H0122-17[Ambient Outdoor], B102391-BLK1, B102391-BS1, B102391-DUP1, 14H0122-15RE1[Rooftop Fan 2], B102393-BS1

V-06

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.

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

14H0122-15[Rooftop Fan 2], B102391-BS1

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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 the Con-Test 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.

A handwritten signature in black ink, appearing to read "Daren J. Damboragian", is written over a light gray rectangular background.

Daren J. Damboragian
Laboratory Manager

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: Gymnasium
Sample ID: 14H0122-01
 Sample Matrix: Indoor air
 Sampled: 8/1/2014 11:34

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1719
 Canister Size: 6 liter
 Flow Controller ID: 4192
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -4
 Receipt Vacuum(in Hg): -4.4
 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		Analized		
Acetone	12	0.80	L-05	29	1.9	0.4	8/8/14 17:24	WSD	
Acrylonitrile	ND	0.12		ND	0.25	0.4	8/8/14 17:24	WSD	
Benzene	0.11	0.020		0.35	0.064	0.4	8/8/14 17:24	WSD	
Bromodichloromethane	ND	0.020		ND	0.13	0.4	8/8/14 17:24	WSD	
Bromoform	ND	0.020		ND	0.21	0.4	8/8/14 17:24	WSD	
2-Butanone (MEK)	1.1	0.80		3.1	2.4	0.4	8/8/14 17:24	WSD	
n-Butylbenzene	ND	0.058	L-03	ND	0.32	0.4	8/8/14 17:24	WSD	
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	8/8/14 17:24	WSD	
Carbon Tetrachloride	0.082	0.020		0.51	0.13	0.4	8/8/14 17:24	WSD	
Chlorobenzene	ND	0.020		ND	0.092	0.4	8/8/14 17:24	WSD	
Chloroethane	ND	0.020		ND	0.053	0.4	8/8/14 17:24	WSD	
Chloroform	0.28	0.020		1.4	0.098	0.4	8/8/14 17:24	WSD	
Chloromethane	ND	0.040		ND	0.083	0.4	8/8/14 17:24	WSD	
Dibromochloromethane	ND	0.020		ND	0.17	0.4	8/8/14 17:24	WSD	
1,2-Dibromoethane (EDB)	ND	0.020		ND	0.15	0.4	8/8/14 17:24	WSD	
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	8/8/14 17:24	WSD	
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	8/8/14 17:24	WSD	
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	8/8/14 17:24	WSD	
Dichlorodifluoromethane (Freon 12)	0.30	0.020		1.5	0.099	0.4	8/8/14 17:24	WSD	
1,1-Dichloroethane	ND	0.020		ND	0.081	0.4	8/8/14 17:24	WSD	
1,2-Dichloroethane	ND	0.010		ND	0.040	0.4	8/8/14 17:24	WSD	
1,1-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/8/14 17:24	WSD	
cis-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/8/14 17:24	WSD	
trans-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/8/14 17:24	WSD	
1,2-Dichloropropane	ND	0.020		ND	0.092	0.4	8/8/14 17:24	WSD	
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	8/8/14 17:24	WSD	
cis-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	8/8/14 17:24	WSD	
trans-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	8/8/14 17:24	WSD	
Ethylbenzene	0.083	0.020		0.36	0.087	0.4	8/8/14 17:24	WSD	
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	8/8/14 17:24	WSD	
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	8/8/14 17:24	WSD	
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	8/8/14 17:24	WSD	
Methylene Chloride	0.38	0.20		1.3	0.69	0.4	8/8/14 17:24	WSD	
4-Methyl-2-pentanone (MIBK)	0.14	0.020	L-03	0.56	0.082	0.4	8/8/14 17:24	WSD	
Styrene	0.061	0.020		0.26	0.085	0.4	8/8/14 17:24	WSD	
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	8/8/14 17:24	WSD	
1,1,2,2-Tetrachloroethane	ND	0.020		ND	0.14	0.4	8/8/14 17:24	WSD	

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: Gymnasium
Sample ID: 14H0122-01
 Sample Matrix: Indoor air
 Sampled: 8/1/2014 11:34

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1719
 Canister Size: 6 liter
 Flow Controller ID: 4192
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -4
 Receipt Vacuum(in Hg): -4.4
 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 Analyzed	Analyst
	Results	RL		Results	RL			
Tetrachloroethylene	0.036	0.020		0.24	0.14	0.4	8/8/14 17:24	WSD
Toluene	0.75	0.020		2.8	0.075	0.4	8/8/14 17:24	WSD
1,1,1-Trichloroethane	ND	0.020		ND	0.11	0.4	8/8/14 17:24	WSD
1,1,2-Trichloroethane	ND	0.020		ND	0.11	0.4	8/8/14 17:24	WSD
Trichloroethylene	ND	0.020		ND	0.11	0.4	8/8/14 17:24	WSD
Trichlorofluoromethane (Freon 11)	0.27	0.020		1.5	0.11	0.4	8/8/14 17:24	WSD
1,2,4-Trimethylbenzene	0.13	0.020		0.63	0.098	0.4	8/8/14 17:24	WSD
1,3,5-Trimethylbenzene	0.045	0.020		0.22	0.098	0.4	8/8/14 17:24	WSD
Vinyl Chloride	ND	0.020		ND	0.051	0.4	8/8/14 17:24	WSD
m&p-Xylene	0.23	0.040		0.98	0.17	0.4	8/8/14 17:24	WSD
o-Xylene	0.072	0.020		0.31	0.087	0.4	8/8/14 17:24	WSD

Surrogates	% Recovery	% REC Limits	Date/Time Analyzed
4-Bromofluorobenzene (1)	117	70-130	8/8/14 17:24
4-Bromofluorobenzene (2)	102	70-130	8/8/14 17:24

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: Cafeteria
Sample ID: 14H0122-02
 Sample Matrix: Indoor air
 Sampled: 8/1/2014 11:33

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1674
 Canister Size: 6 liter
 Flow Controller ID: 4196
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -4
 Receipt Vacuum(in Hg): -3.8
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv			ug/m3		Dilution	Date/Time Analyzed	Analyst
	Results	RL	Flag/Qual	Results	RL			
Acetone	12	0.80	L-05	28	1.9	0.4	8/8/14 18:15	WSD
Acrylonitrile	ND	0.12		ND	0.25	0.4	8/8/14 18:15	WSD
Benzene	0.11	0.020		0.36	0.064	0.4	8/8/14 18:15	WSD
Bromodichloromethane	ND	0.020		ND	0.13	0.4	8/8/14 18:15	WSD
Bromoform	ND	0.020		ND	0.21	0.4	8/8/14 18:15	WSD
2-Butanone (MEK)	0.87	0.80		2.6	2.4	0.4	8/8/14 18:15	WSD
n-Butylbenzene	ND	0.058	L-03	ND	0.32	0.4	8/8/14 18:15	WSD
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	8/8/14 18:15	WSD
Carbon Tetrachloride	0.11	0.020		0.70	0.13	0.4	8/8/14 18:15	WSD
Chlorobenzene	ND	0.020		ND	0.092	0.4	8/8/14 18:15	WSD
Chloroethane	ND	0.020		ND	0.053	0.4	8/8/14 18:15	WSD
Chloroform	1.0	0.020		5.1	0.098	0.4	8/8/14 18:15	WSD
Chloromethane	ND	0.040		ND	0.083	0.4	8/8/14 18:15	WSD
Dibromochloromethane	ND	0.020		ND	0.17	0.4	8/8/14 18:15	WSD
1,2-Dibromoethane (EDB)	ND	0.020		ND	0.15	0.4	8/8/14 18:15	WSD
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	8/8/14 18:15	WSD
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	8/8/14 18:15	WSD
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	8/8/14 18:15	WSD
Dichlorodifluoromethane (Freon 12)	0.32	0.020		1.6	0.099	0.4	8/8/14 18:15	WSD
1,1-Dichloroethane	ND	0.020		ND	0.081	0.4	8/8/14 18:15	WSD
1,2-Dichloroethane	ND	0.010		ND	0.040	0.4	8/8/14 18:15	WSD
1,1-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/8/14 18:15	WSD
cis-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/8/14 18:15	WSD
trans-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/8/14 18:15	WSD
1,2-Dichloropropane	ND	0.020		ND	0.092	0.4	8/8/14 18:15	WSD
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	8/8/14 18:15	WSD
cis-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	8/8/14 18:15	WSD
trans-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	8/8/14 18:15	WSD
Ethylbenzene	0.035	0.020		0.15	0.087	0.4	8/8/14 18:15	WSD
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	8/8/14 18:15	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	8/8/14 18:15	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	8/8/14 18:15	WSD
Methylene Chloride	0.44	0.20		1.5	0.69	0.4	8/8/14 18:15	WSD
4-Methyl-2-pentanone (MIBK)	ND	0.020	L-03	ND	0.082	0.4	8/8/14 18:15	WSD
Styrene	0.062	0.020		0.26	0.085	0.4	8/8/14 18:15	WSD
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	8/8/14 18:15	WSD
1,1,2,2-Tetrachloroethane	ND	0.020		ND	0.14	0.4	8/8/14 18:15	WSD

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: Cafeteria
Sample ID: 14H0122-02
 Sample Matrix: Indoor air
 Sampled: 8/1/2014 11:33

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1674
 Canister Size: 6 liter
 Flow Controller ID: 4196
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -4
 Receipt Vacuum(in Hg): -3.8
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time Analyzed	Analyst
	Results	RL		Results	RL			
Tetrachloroethylene	0.075	0.020		0.51	0.14	0.4	8/8/14 18:15	WSD
Toluene	0.43	0.020		1.6	0.075	0.4	8/8/14 18:15	WSD
1,1,1-Trichloroethane	ND	0.020		ND	0.11	0.4	8/8/14 18:15	WSD
1,1,2-Trichloroethane	ND	0.020		ND	0.11	0.4	8/8/14 18:15	WSD
Trichloroethylene	ND	0.020		ND	0.11	0.4	8/8/14 18:15	WSD
Trichlorofluoromethane (Freon 11)	0.31	0.020		1.7	0.11	0.4	8/8/14 18:15	WSD
1,2,4-Trimethylbenzene	0.056	0.020		0.27	0.098	0.4	8/8/14 18:15	WSD
1,3,5-Trimethylbenzene	0.024	0.020		0.12	0.098	0.4	8/8/14 18:15	WSD
Vinyl Chloride	ND	0.020		ND	0.051	0.4	8/8/14 18:15	WSD
m&p-Xylene	0.094	0.040		0.41	0.17	0.4	8/8/14 18:15	WSD
o-Xylene	0.038	0.020		0.16	0.087	0.4	8/8/14 18:15	WSD

Surrogates	% Recovery	% REC Limits	Date/Time Analyzed
4-Bromofluorobenzene (1)	118	70-130	8/8/14 18:15
4-Bromofluorobenzene (2)	108	70-130	8/8/14 18:15

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: Kitchen Storage
Sample ID: 14H0122-03
 Sample Matrix: Indoor air
 Sampled: 8/1/2014 11:33

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1633
 Canister Size: 6 liter
 Flow Controller ID: 4197
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -29.5
 Final Vacuum(in Hg): -2
 Receipt Vacuum(in Hg): -2.6
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv			ug/m3		Dilution	Date/Time Analyzed	Analyst
	Results	RL	Flag/Qual	Results	RL			
Acetone	15	0.80	L-05	35	1.9	0.4	8/8/14 19:05	WSD
Acrylonitrile	ND	0.12		ND	0.25	0.4	8/8/14 19:05	WSD
Benzene	0.18	0.020		0.57	0.064	0.4	8/8/14 19:05	WSD
Bromodichloromethane	ND	0.020		ND	0.13	0.4	8/8/14 19:05	WSD
Bromoform	ND	0.020		ND	0.21	0.4	8/8/14 19:05	WSD
2-Butanone (MEK)	0.90	0.80		2.6	2.4	0.4	8/8/14 19:05	WSD
n-Butylbenzene	ND	0.058	L-03	ND	0.32	0.4	8/8/14 19:05	WSD
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	8/8/14 19:05	WSD
Carbon Tetrachloride	0.091	0.020		0.57	0.13	0.4	8/8/14 19:05	WSD
Chlorobenzene	ND	0.020		ND	0.092	0.4	8/8/14 19:05	WSD
Chloroethane	ND	0.020		ND	0.053	0.4	8/8/14 19:05	WSD
Chloroform	0.70	0.020		3.4	0.098	0.4	8/8/14 19:05	WSD
Chloromethane	ND	0.040		ND	0.083	0.4	8/8/14 19:05	WSD
Dibromochloromethane	ND	0.020		ND	0.17	0.4	8/8/14 19:05	WSD
1,2-Dibromoethane (EDB)	ND	0.020		ND	0.15	0.4	8/8/14 19:05	WSD
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	8/8/14 19:05	WSD
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	8/8/14 19:05	WSD
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	8/8/14 19:05	WSD
Dichlorodifluoromethane (Freon 12)	0.31	0.020		1.5	0.099	0.4	8/8/14 19:05	WSD
1,1-Dichloroethane	ND	0.020		ND	0.081	0.4	8/8/14 19:05	WSD
1,2-Dichloroethane	ND	0.010		ND	0.040	0.4	8/8/14 19:05	WSD
1,1-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/8/14 19:05	WSD
cis-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/8/14 19:05	WSD
trans-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/8/14 19:05	WSD
1,2-Dichloropropane	ND	0.020		ND	0.092	0.4	8/8/14 19:05	WSD
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	8/8/14 19:05	WSD
cis-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	8/8/14 19:05	WSD
trans-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	8/8/14 19:05	WSD
Ethylbenzene	0.043	0.020		0.19	0.087	0.4	8/8/14 19:05	WSD
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	8/8/14 19:05	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	8/8/14 19:05	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	8/8/14 19:05	WSD
Methylene Chloride	0.81	0.20		2.8	0.69	0.4	8/8/14 19:05	WSD
4-Methyl-2-pentanone (MIBK)	ND	0.020	L-03	ND	0.082	0.4	8/8/14 19:05	WSD
Styrene	0.21	0.020		0.88	0.085	0.4	8/8/14 19:05	WSD
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	8/8/14 19:05	WSD
1,1,2,2-Tetrachloroethane	ND	0.020		ND	0.14	0.4	8/8/14 19:05	WSD

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: Kitchen Storage
Sample ID: 14H0122-03
 Sample Matrix: Indoor air
 Sampled: 8/1/2014 11:33

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1633
 Canister Size: 6 liter
 Flow Controller ID: 4197
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -29.5
 Final Vacuum(in Hg): -2
 Receipt Vacuum(in Hg): -2.6
 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			
Tetrachloroethylene	0.088	0.020		0.59	0.14	0.4	8/8/14 19:05	WSD
Toluene	0.53	0.020		2.0	0.075	0.4	8/8/14 19:05	WSD
1,1,1-Trichloroethane	ND	0.020		ND	0.11	0.4	8/8/14 19:05	WSD
1,1,2-Trichloroethane	ND	0.020		ND	0.11	0.4	8/8/14 19:05	WSD
Trichloroethylene	ND	0.020		ND	0.11	0.4	8/8/14 19:05	WSD
Trichlorofluoromethane (Freon 11)	0.33	0.020		1.9	0.11	0.4	8/8/14 19:05	WSD
1,2,4-Trimethylbenzene	0.065	0.020		0.32	0.098	0.4	8/8/14 19:05	WSD
1,3,5-Trimethylbenzene	0.027	0.020		0.13	0.098	0.4	8/8/14 19:05	WSD
Vinyl Chloride	ND	0.020		ND	0.051	0.4	8/8/14 19:05	WSD
m&p-Xylene	0.11	0.040		0.47	0.17	0.4	8/8/14 19:05	WSD
o-Xylene	0.047	0.020		0.20	0.087	0.4	8/8/14 19:05	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	121	70-130	8/8/14 19:05
4-Bromofluorobenzene (2)	113	70-130	8/8/14 19:05

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: Elevator Hallway
Sample ID: 14H0122-04
 Sample Matrix: Indoor air
 Sampled: 8/1/2014 11:51

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1075
 Canister Size: 6 liter
 Flow Controller ID: 4072
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -9
 Receipt Vacuum(in Hg): -8.9
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv			ug/m3		Dilution	Date/Time Analyzed	Analyst
	Results	RL	Flag/Qual	Results	RL			
Acetone	16	1.2	L-05	37	2.9	0.6	8/8/14 19:52	WSD
Acrylonitrile	ND	0.17		ND	0.37	0.6	8/8/14 19:52	WSD
Benzene	0.26	0.030		0.82	0.096	0.6	8/8/14 19:52	WSD
Bromodichloromethane	ND	0.030		ND	0.20	0.6	8/8/14 19:52	WSD
Bromoform	ND	0.030		ND	0.31	0.6	8/8/14 19:52	WSD
2-Butanone (MEK)	1.2	1.2		3.6	3.5	0.6	8/8/14 19:52	WSD
n-Butylbenzene	ND	0.086	L-03	ND	0.47	0.6	8/8/14 19:52	WSD
sec-Butylbenzene	ND	0.068		ND	0.38	0.6	8/8/14 19:52	WSD
Carbon Tetrachloride	0.073	0.030		0.46	0.19	0.6	8/8/14 19:52	WSD
Chlorobenzene	ND	0.030		ND	0.14	0.6	8/8/14 19:52	WSD
Chloroethane	ND	0.030		ND	0.079	0.6	8/8/14 19:52	WSD
Chloroform	0.25	0.030		1.2	0.15	0.6	8/8/14 19:52	WSD
Chloromethane	ND	0.060		ND	0.12	0.6	8/8/14 19:52	WSD
Dibromochloromethane	ND	0.030		ND	0.26	0.6	8/8/14 19:52	WSD
1,2-Dibromoethane (EDB)	ND	0.030		ND	0.23	0.6	8/8/14 19:52	WSD
1,2-Dichlorobenzene	ND	0.030		ND	0.18	0.6	8/8/14 19:52	WSD
1,3-Dichlorobenzene	ND	0.030		ND	0.18	0.6	8/8/14 19:52	WSD
1,4-Dichlorobenzene	ND	0.030		ND	0.18	0.6	8/8/14 19:52	WSD
Dichlorodifluoromethane (Freon 12)	0.33	0.030		1.6	0.15	0.6	8/8/14 19:52	WSD
1,1-Dichloroethane	ND	0.030		ND	0.12	0.6	8/8/14 19:52	WSD
1,2-Dichloroethane	ND	0.015		ND	0.061	0.6	8/8/14 19:52	WSD
1,1-Dichloroethylene	ND	0.030		ND	0.12	0.6	8/8/14 19:52	WSD
cis-1,2-Dichloroethylene	ND	0.030		ND	0.12	0.6	8/8/14 19:52	WSD
trans-1,2-Dichloroethylene	ND	0.030		ND	0.12	0.6	8/8/14 19:52	WSD
1,2-Dichloropropane	ND	0.030		ND	0.14	0.6	8/8/14 19:52	WSD
1,3-Dichloropropane	ND	0.081		ND	0.37	0.6	8/8/14 19:52	WSD
cis-1,3-Dichloropropene	ND	0.030		ND	0.14	0.6	8/8/14 19:52	WSD
trans-1,3-Dichloropropene	ND	0.030		ND	0.14	0.6	8/8/14 19:52	WSD
Ethylbenzene	0.092	0.030		0.40	0.13	0.6	8/8/14 19:52	WSD
Isopropylbenzene (Cumene)	ND	0.076		ND	0.37	0.6	8/8/14 19:52	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.068		ND	0.38	0.6	8/8/14 19:52	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.030		ND	0.11	0.6	8/8/14 19:52	WSD
Methylene Chloride	0.53	0.30		1.9	1.0	0.6	8/8/14 19:52	WSD
4-Methyl-2-pentanone (MIBK)	0.092	0.030	L-03	0.38	0.12	0.6	8/8/14 19:52	WSD
Styrene	0.050	0.030		0.21	0.13	0.6	8/8/14 19:52	WSD
1,1,1,2-Tetrachloroethane	ND	0.055		ND	0.37	0.6	8/8/14 19:52	WSD
1,1,2,2-Tetrachloroethane	ND	0.030		ND	0.21	0.6	8/8/14 19:52	WSD

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: Elevator Hallway
Sample ID: 14H0122-04
 Sample Matrix: Indoor air
 Sampled: 8/1/2014 11:51

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1075
 Canister Size: 6 liter
 Flow Controller ID: 4072
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -9
 Receipt Vacuum(in Hg): -8.9
 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 Analyzed	Analyst
	Results	RL		Results	RL			
Tetrachloroethylene	0.14	0.030		0.97	0.20	0.6	8/8/14 19:52	WSD
Toluene	1.2	0.030		4.4	0.11	0.6	8/8/14 19:52	WSD
1,1,1-Trichloroethane	ND	0.030		ND	0.16	0.6	8/8/14 19:52	WSD
1,1,2-Trichloroethane	ND	0.030		ND	0.16	0.6	8/8/14 19:52	WSD
Trichloroethylene	0.032	0.030		0.17	0.16	0.6	8/8/14 19:52	WSD
Trichlorofluoromethane (Freon 11)	0.29	0.030		1.6	0.17	0.6	8/8/14 19:52	WSD
1,2,4-Trimethylbenzene	0.27	0.030		1.3	0.15	0.6	8/8/14 19:52	WSD
1,3,5-Trimethylbenzene	0.058	0.030		0.29	0.15	0.6	8/8/14 19:52	WSD
Vinyl Chloride	ND	0.030		ND	0.077	0.6	8/8/14 19:52	WSD
m&p-Xylene	0.28	0.060		1.2	0.26	0.6	8/8/14 19:52	WSD
o-Xylene	0.16	0.030		0.70	0.13	0.6	8/8/14 19:52	WSD

Surrogates	% Recovery	% REC Limits	Date/Time Analyzed
4-Bromofluorobenzene (1)	125	70-130	8/8/14 19:52
4-Bromofluorobenzene (2)	121	70-130	8/8/14 19:52

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: Room 145
Sample ID: 14H0122-05
 Sample Matrix: Indoor air
 Sampled: 8/1/2014 12:05

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1713
 Canister Size: 6 liter
 Flow Controller ID: 4106
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -4
 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	34	8.0		81	19	4	8/12/14 11:28	WSD	
Acetone	26	0.80	E, L-05	62	1.9	0.4	8/8/14 21:37	WSD	
Acrylonitrile	ND	1.2		ND	2.5	4	8/12/14 11:28	WSD	
Acrylonitrile	ND	0.12		ND	0.25	0.4	8/8/14 21:37	WSD	
Benzene	0.25	0.20		0.79	0.64	4	8/12/14 11:28	WSD	
Benzene	0.25	0.020		0.79	0.064	0.4	8/8/14 21:37	WSD	
Bromodichloromethane	ND	0.20		ND	1.3	4	8/12/14 11:28	WSD	
Bromodichloromethane	ND	0.020		ND	0.13	0.4	8/8/14 21:37	WSD	
Bromoform	ND	0.20		ND	2.1	4	8/12/14 11:28	WSD	
Bromoform	ND	0.020		ND	0.21	0.4	8/8/14 21:37	WSD	
2-Butanone (MEK)	ND	8.0		ND	24	4	8/12/14 11:28	WSD	
2-Butanone (MEK)	1.3	0.80		3.7	2.4	0.4	8/8/14 21:37	WSD	
n-Butylbenzene	ND	0.58		ND	3.2	4	8/12/14 11:28	WSD	
n-Butylbenzene	ND	0.058	L-03	ND	0.32	0.4	8/8/14 21:37	WSD	
sec-Butylbenzene	ND	0.46		ND	2.5	4	8/12/14 11:28	WSD	
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	8/8/14 21:37	WSD	
Carbon Tetrachloride	ND	0.20		ND	1.3	4	8/12/14 11:28	WSD	
Carbon Tetrachloride	0.070	0.020		0.44	0.13	0.4	8/8/14 21:37	WSD	
Chlorobenzene	ND	0.20		ND	0.92	4	8/12/14 11:28	WSD	
Chlorobenzene	ND	0.020		ND	0.092	0.4	8/8/14 21:37	WSD	
Chloroethane	ND	0.20		ND	0.53	4	8/12/14 11:28	WSD	
Chloroethane	0.022	0.020		0.059	0.053	0.4	8/8/14 21:37	WSD	
Chloroform	ND	0.20		ND	0.98	4	8/12/14 11:28	WSD	
Chloroform	0.18	0.020		0.87	0.098	0.4	8/8/14 21:37	WSD	
Chloromethane	ND	0.40		ND	0.83	4	8/12/14 11:28	WSD	
Chloromethane	ND	0.040		ND	0.083	0.4	8/8/14 21:37	WSD	
Dibromochloromethane	ND	0.20		ND	1.7	4	8/12/14 11:28	WSD	
Dibromochloromethane	ND	0.020		ND	0.17	0.4	8/8/14 21:37	WSD	
1,2-Dibromoethane (EDB)	ND	0.20		ND	1.5	4	8/12/14 11:28	WSD	
1,2-Dibromoethane (EDB)	ND	0.020		ND	0.15	0.4	8/8/14 21:37	WSD	
1,2-Dichlorobenzene	ND	0.20		ND	1.2	4	8/12/14 11:28	WSD	
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	8/8/14 21:37	WSD	
1,3-Dichlorobenzene	ND	0.20		ND	1.2	4	8/12/14 11:28	WSD	
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	8/8/14 21:37	WSD	
1,4-Dichlorobenzene	ND	0.20		ND	1.2	4	8/12/14 11:28	WSD	
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	8/8/14 21:37	WSD	
Dichlorodifluoromethane (Freon 12)	0.46	0.20		2.3	0.99	4	8/12/14 11:28	WSD	

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: Room 145
Sample ID: 14H0122-05
 Sample Matrix: Indoor air
 Sampled: 8/1/2014 12:05

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1713
 Canister Size: 6 liter
 Flow Controller ID: 4106
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -4
 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 Analyzed	Analyst
	Results	RL		Results	RL			
Dichlorodifluoromethane (Freon 12)	0.31	0.020		1.5	0.099	0.4	8/8/14 21:37	WSD
1,1-Dichloroethane	ND	0.20		ND	0.81	4	8/12/14 11:28	WSD
1,1-Dichloroethane	ND	0.020		ND	0.081	0.4	8/8/14 21:37	WSD
1,2-Dichloroethane	ND	0.10		ND	0.40	4	8/12/14 11:28	WSD
1,2-Dichloroethane	ND	0.010		ND	0.040	0.4	8/8/14 21:37	WSD
1,1-Dichloroethylene	ND	0.20		ND	0.79	4	8/12/14 11:28	WSD
1,1-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/8/14 21:37	WSD
cis-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	8/12/14 11:28	WSD
cis-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/8/14 21:37	WSD
trans-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	8/12/14 11:28	WSD
trans-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/8/14 21:37	WSD
1,2-Dichloropropane	ND	0.20		ND	0.92	4	8/12/14 11:28	WSD
1,2-Dichloropropane	ND	0.020		ND	0.092	0.4	8/8/14 21:37	WSD
1,3-Dichloropropane	ND	0.54		ND	2.5	4	8/12/14 11:28	WSD
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	8/8/14 21:37	WSD
cis-1,3-Dichloropropene	ND	0.20		ND	0.91	4	8/12/14 11:28	WSD
cis-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	8/8/14 21:37	WSD
trans-1,3-Dichloropropene	ND	0.20		ND	0.91	4	8/12/14 11:28	WSD
trans-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	8/8/14 21:37	WSD
Ethylbenzene	ND	0.20		ND	0.87	4	8/12/14 11:28	WSD
Ethylbenzene	0.15	0.020		0.65	0.087	0.4	8/8/14 21:37	WSD
Isopropylbenzene (Cumene)	ND	0.51		ND	2.5	4	8/12/14 11:28	WSD
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	8/8/14 21:37	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.46		ND	2.5	4	8/12/14 11:28	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	8/8/14 21:37	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.20		ND	0.72	4	8/12/14 11:28	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	8/8/14 21:37	WSD
Methylene Chloride	ND	2.0		ND	6.9	4	8/12/14 11:28	WSD
Methylene Chloride	0.45	0.20		1.6	0.69	0.4	8/8/14 21:37	WSD
4-Methyl-2-pentanone (MIBK)	ND	0.20		ND	0.82	4	8/12/14 11:28	WSD
4-Methyl-2-pentanone (MIBK)	ND	0.020	L-03	ND	0.082	0.4	8/8/14 21:37	WSD
Styrene	ND	0.20		ND	0.85	4	8/12/14 11:28	WSD
Styrene	0.16	0.020		0.68	0.085	0.4	8/8/14 21:37	WSD
1,1,1,2-Tetrachloroethane	ND	0.36		ND	2.5	4	8/12/14 11:28	WSD
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	8/8/14 21:37	WSD
1,1,2,2-Tetrachloroethane	ND	0.20		ND	1.4	4	8/12/14 11:28	WSD
1,1,2,2-Tetrachloroethane	ND	0.020		ND	0.14	0.4	8/8/14 21:37	WSD

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: Room 145
Sample ID: 14H0122-05
 Sample Matrix: Indoor air
 Sampled: 8/1/2014 12:05

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1713
 Canister Size: 6 liter
 Flow Controller ID: 4106
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -4
 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 Analyzed	Analyst
	Results	RL		Results	RL			
Tetrachloroethylene	1.5	0.20		10	1.4	4	8/12/14 11:28	WSD
Tetrachloroethylene	2.1	0.020		14	0.14	0.4	8/8/14 21:37	WSD
Toluene	1.2	0.20		4.6	0.75	4	8/12/14 11:28	WSD
Toluene	1.4	0.020		5.3	0.075	0.4	8/8/14 21:37	WSD
1,1,1-Trichloroethane	ND	0.20		ND	1.1	4	8/12/14 11:28	WSD
1,1,1-Trichloroethane	ND	0.020		ND	0.11	0.4	8/8/14 21:37	WSD
1,1,2-Trichloroethane	ND	0.20		ND	1.1	4	8/12/14 11:28	WSD
1,1,2-Trichloroethane	ND	0.020		ND	0.11	0.4	8/8/14 21:37	WSD
Trichloroethylene	ND	0.20		ND	1.1	4	8/12/14 11:28	WSD
Trichloroethylene	0.050	0.020		0.27	0.11	0.4	8/8/14 21:37	WSD
Trichlorofluoromethane (Freon 11)	0.32	0.20		1.8	1.1	4	8/12/14 11:28	WSD
Trichlorofluoromethane (Freon 11)	0.29	0.020		1.6	0.11	0.4	8/8/14 21:37	WSD
1,2,4-Trimethylbenzene	ND	0.20		ND	0.98	4	8/12/14 11:28	WSD
1,2,4-Trimethylbenzene	0.23	0.020		1.1	0.098	0.4	8/8/14 21:37	WSD
1,3,5-Trimethylbenzene	ND	0.20		ND	0.98	4	8/12/14 11:28	WSD
1,3,5-Trimethylbenzene	0.060	0.020		0.29	0.098	0.4	8/8/14 21:37	WSD
Vinyl Chloride	ND	0.20		ND	0.51	4	8/12/14 11:28	WSD
Vinyl Chloride	ND	0.020		ND	0.051	0.4	8/8/14 21:37	WSD
m&p-Xylene	ND	0.40		ND	1.7	4	8/12/14 11:28	WSD
m&p-Xylene	0.39	0.040		1.7	0.17	0.4	8/8/14 21:37	WSD
o-Xylene	ND	0.20		ND	0.87	4	8/12/14 11:28	WSD
o-Xylene	0.22	0.020		0.94	0.087	0.4	8/8/14 21:37	WSD

Surrogates	% Recovery	% REC Limits	Date/Time Analyzed
4-Bromofluorobenzene (1)	100	70-130	8/12/14 11:28
4-Bromofluorobenzene (1)	120	70-130	8/8/14 21:37
4-Bromofluorobenzene (2)	101	70-130	8/12/14 11:28
4-Bromofluorobenzene (2)	116	70-130	8/8/14 21:37

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: Room 152
Sample ID: 14H0122-06
 Sample Matrix: Indoor air
 Sampled: 8/1/2014 12:14

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1294
 Canister Size: 6 liter
 Flow Controller ID: 4073
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -3
 Receipt Vacuum(in Hg): -2.9
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv			ug/m3		Dilution	Date/Time Analyzed	Analyst
	Results	RL	Flag/Qual	Results	RL			
Acetone	15	0.80	L-05	35	1.9	0.4	8/8/14 22:28	WSD
Acrylonitrile	ND	0.12		ND	0.25	0.4	8/8/14 22:28	WSD
Benzene	0.17	0.020		0.55	0.064	0.4	8/8/14 22:28	WSD
Bromodichloromethane	ND	0.020		ND	0.13	0.4	8/8/14 22:28	WSD
Bromoform	ND	0.020		ND	0.21	0.4	8/8/14 22:28	WSD
2-Butanone (MEK)	ND	0.80		ND	2.4	0.4	8/8/14 22:28	WSD
n-Butylbenzene	ND	0.058	L-03	ND	0.32	0.4	8/8/14 22:28	WSD
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	8/8/14 22:28	WSD
Carbon Tetrachloride	0.068	0.020		0.43	0.13	0.4	8/8/14 22:28	WSD
Chlorobenzene	ND	0.020		ND	0.092	0.4	8/8/14 22:28	WSD
Chloroethane	ND	0.020		ND	0.053	0.4	8/8/14 22:28	WSD
Chloroform	0.084	0.020		0.41	0.098	0.4	8/8/14 22:28	WSD
Chloromethane	ND	0.040		ND	0.083	0.4	8/8/14 22:28	WSD
Dibromochloromethane	ND	0.020		ND	0.17	0.4	8/8/14 22:28	WSD
1,2-Dibromoethane (EDB)	ND	0.020		ND	0.15	0.4	8/8/14 22:28	WSD
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	8/8/14 22:28	WSD
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	8/8/14 22:28	WSD
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	8/8/14 22:28	WSD
Dichlorodifluoromethane (Freon 12)	0.31	0.020		1.5	0.099	0.4	8/8/14 22:28	WSD
1,1-Dichloroethane	ND	0.020		ND	0.081	0.4	8/8/14 22:28	WSD
1,2-Dichloroethane	ND	0.010		ND	0.040	0.4	8/8/14 22:28	WSD
1,1-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/8/14 22:28	WSD
cis-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/8/14 22:28	WSD
trans-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/8/14 22:28	WSD
1,2-Dichloropropane	ND	0.020		ND	0.092	0.4	8/8/14 22:28	WSD
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	8/8/14 22:28	WSD
cis-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	8/8/14 22:28	WSD
trans-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	8/8/14 22:28	WSD
Ethylbenzene	0.10	0.020		0.46	0.087	0.4	8/8/14 22:28	WSD
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	8/8/14 22:28	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	8/8/14 22:28	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	8/8/14 22:28	WSD
Methylene Chloride	0.59	0.20		2.0	0.69	0.4	8/8/14 22:28	WSD
4-Methyl-2-pentanone (MIBK)	0.069	0.020	L-03	0.28	0.082	0.4	8/8/14 22:28	WSD
Styrene	0.10	0.020		0.43	0.085	0.4	8/8/14 22:28	WSD
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	8/8/14 22:28	WSD
1,1,2,2-Tetrachloroethane	ND	0.020		ND	0.14	0.4	8/8/14 22:28	WSD

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: Room 152
Sample ID: 14H0122-06
 Sample Matrix: Indoor air
 Sampled: 8/1/2014 12:14

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1294
 Canister Size: 6 liter
 Flow Controller ID: 4073
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -3
 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 Analyzed	Analyst
	Results	RL		Results	RL			
Tetrachloroethylene	0.12	0.020		0.81	0.14	0.4	8/8/14 22:28	WSD
Toluene	0.93	0.020		3.5	0.075	0.4	8/8/14 22:28	WSD
1,1,1-Trichloroethane	ND	0.020		ND	0.11	0.4	8/8/14 22:28	WSD
1,1,2-Trichloroethane	ND	0.020		ND	0.11	0.4	8/8/14 22:28	WSD
Trichloroethylene	0.027	0.020		0.14	0.11	0.4	8/8/14 22:28	WSD
Trichlorofluoromethane (Freon 11)	0.31	0.020		1.8	0.11	0.4	8/8/14 22:28	WSD
1,2,4-Trimethylbenzene	0.23	0.020		1.2	0.098	0.4	8/8/14 22:28	WSD
1,3,5-Trimethylbenzene	0.058	0.020		0.28	0.098	0.4	8/8/14 22:28	WSD
Vinyl Chloride	ND	0.020		ND	0.051	0.4	8/8/14 22:28	WSD
m&p-Xylene	0.32	0.040		1.4	0.17	0.4	8/8/14 22:28	WSD
o-Xylene	0.18	0.020		0.77	0.087	0.4	8/8/14 22:28	WSD

Surrogates	% Recovery	% REC Limits	Date/Time Analyzed
4-Bromofluorobenzene (1)	123	70-130	8/8/14 22:28
4-Bromofluorobenzene (2)	122	70-130	8/8/14 22:28

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: Room 118
Sample ID: 14H0122-07
 Sample Matrix: Indoor air
 Sampled: 8/1/2014 12:55

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1025
 Canister Size: 6 liter
 Flow Controller ID: 4199
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -5
 Receipt Vacuum(in Hg): -1.5
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv			ug/m3		Dilution	Date/Time Analyzed	Analyst
	Results	RL	Flag/Qual	Results	RL			
Acetone	18	0.80	L-05	43	1.9	0.4	8/8/14 23:17	WSD
Acrylonitrile	ND	0.12		ND	0.25	0.4	8/8/14 23:17	WSD
Benzene	0.23	0.020		0.74	0.064	0.4	8/8/14 23:17	WSD
Bromodichloromethane	ND	0.020		ND	0.13	0.4	8/8/14 23:17	WSD
Bromoform	ND	0.020		ND	0.21	0.4	8/8/14 23:17	WSD
2-Butanone (MEK)	2.0	0.80		5.9	2.4	0.4	8/8/14 23:17	WSD
n-Butylbenzene	ND	0.058	L-03	ND	0.32	0.4	8/8/14 23:17	WSD
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	8/8/14 23:17	WSD
Carbon Tetrachloride	0.066	0.020		0.41	0.13	0.4	8/8/14 23:17	WSD
Chlorobenzene	ND	0.020		ND	0.092	0.4	8/8/14 23:17	WSD
Chloroethane	0.020	0.020		0.053	0.053	0.4	8/8/14 23:17	WSD
Chloroform	0.092	0.020		0.45	0.098	0.4	8/8/14 23:17	WSD
Chloromethane	ND	0.040		ND	0.083	0.4	8/8/14 23:17	WSD
Dibromochloromethane	ND	0.020		ND	0.17	0.4	8/8/14 23:17	WSD
1,2-Dibromoethane (EDB)	ND	0.020		ND	0.15	0.4	8/8/14 23:17	WSD
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	8/8/14 23:17	WSD
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	8/8/14 23:17	WSD
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	8/8/14 23:17	WSD
Dichlorodifluoromethane (Freon 12)	0.31	0.020		1.5	0.099	0.4	8/8/14 23:17	WSD
1,1-Dichloroethane	ND	0.020		ND	0.081	0.4	8/8/14 23:17	WSD
1,2-Dichloroethane	0.025	0.010		0.10	0.040	0.4	8/8/14 23:17	WSD
1,1-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/8/14 23:17	WSD
cis-1,2-Dichloroethylene	0.13	0.020		0.50	0.079	0.4	8/8/14 23:17	WSD
trans-1,2-Dichloroethylene	0.063	0.020		0.25	0.079	0.4	8/8/14 23:17	WSD
1,2-Dichloropropane	ND	0.020		ND	0.092	0.4	8/8/14 23:17	WSD
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	8/8/14 23:17	WSD
cis-1,3-Dichloropropene	0.22	0.020		1.0	0.091	0.4	8/8/14 23:17	WSD
trans-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	8/8/14 23:17	WSD
Ethylbenzene	0.11	0.020		0.47	0.087	0.4	8/8/14 23:17	WSD
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	8/8/14 23:17	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	8/8/14 23:17	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	8/8/14 23:17	WSD
Methylene Chloride	1.2	0.20		4.3	0.69	0.4	8/8/14 23:17	WSD
4-Methyl-2-pentanone (MIBK)	ND	0.020	L-03	ND	0.082	0.4	8/8/14 23:17	WSD
Styrene	0.13	0.020		0.56	0.085	0.4	8/8/14 23:17	WSD
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	8/8/14 23:17	WSD
1,1,2,2-Tetrachloroethane	ND	0.020		ND	0.14	0.4	8/8/14 23:17	WSD

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: Room 118
Sample ID: 14H0122-07
 Sample Matrix: Indoor air
 Sampled: 8/1/2014 12:55

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1025
 Canister Size: 6 liter
 Flow Controller ID: 4199
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -5
 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 Analyzed	Analyst
	Results	RL		Results	RL			
Tetrachloroethylene	0.57	0.020		3.8	0.14	0.4	8/8/14 23:17	WSD
Toluene	2.6	0.020		9.9	0.075	0.4	8/8/14 23:17	WSD
1,1,1-Trichloroethane	ND	0.020		ND	0.11	0.4	8/8/14 23:17	WSD
1,1,2-Trichloroethane	ND	0.020		ND	0.11	0.4	8/8/14 23:17	WSD
Trichloroethylene	0.31	0.020		1.7	0.11	0.4	8/8/14 23:17	WSD
Trichlorofluoromethane (Freon 11)	0.33	0.020		1.9	0.11	0.4	8/8/14 23:17	WSD
1,2,4-Trimethylbenzene	0.31	0.020		1.5	0.098	0.4	8/8/14 23:17	WSD
1,3,5-Trimethylbenzene	0.063	0.020		0.31	0.098	0.4	8/8/14 23:17	WSD
Vinyl Chloride	ND	0.020		ND	0.051	0.4	8/8/14 23:17	WSD
m&p-Xylene	0.29	0.040		1.3	0.17	0.4	8/8/14 23:17	WSD
o-Xylene	0.16	0.020		0.69	0.087	0.4	8/8/14 23:17	WSD

Surrogates	% Recovery	% REC Limits	Date/Time Analyzed
4-Bromofluorobenzene (1)	122	70-130	8/8/14 23:17
4-Bromofluorobenzene (2)	119	70-130	8/8/14 23:17

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: Room 110
Sample ID: 14H0122-08
 Sample Matrix: Indoor air
 Sampled: 8/1/2014 12:56

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1090
 Canister Size: 6 liter
 Flow Controller ID: 4090
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -4.5
 Receipt Vacuum(in Hg): -4.7
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv			ug/m3		Dilution	Date/Time Analyzed	Analyst
	Results	RL	Flag/Qual	Results	RL			
Acetone	16	0.80	L-05	38	1.9	0.4	8/9/14 0:10	WSD
Acrylonitrile	ND	0.12		ND	0.25	0.4	8/9/14 0:10	WSD
Benzene	0.19	0.020		0.60	0.064	0.4	8/9/14 0:10	WSD
Bromodichloromethane	ND	0.020		ND	0.13	0.4	8/9/14 0:10	WSD
Bromoform	ND	0.020		ND	0.21	0.4	8/9/14 0:10	WSD
2-Butanone (MEK)	0.89	0.80		2.6	2.4	0.4	8/9/14 0:10	WSD
n-Butylbenzene	ND	0.058	L-03	ND	0.32	0.4	8/9/14 0:10	WSD
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	8/9/14 0:10	WSD
Carbon Tetrachloride	0.064	0.020		0.41	0.13	0.4	8/9/14 0:10	WSD
Chlorobenzene	ND	0.020		ND	0.092	0.4	8/9/14 0:10	WSD
Chloroethane	0.024	0.020		0.062	0.053	0.4	8/9/14 0:10	WSD
Chloroform	0.067	0.020		0.33	0.098	0.4	8/9/14 0:10	WSD
Chloromethane	ND	0.040		ND	0.083	0.4	8/9/14 0:10	WSD
Dibromochloromethane	ND	0.020		ND	0.17	0.4	8/9/14 0:10	WSD
1,2-Dibromoethane (EDB)	ND	0.020		ND	0.15	0.4	8/9/14 0:10	WSD
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	8/9/14 0:10	WSD
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	8/9/14 0:10	WSD
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	8/9/14 0:10	WSD
Dichlorodifluoromethane (Freon 12)	0.32	0.020		1.6	0.099	0.4	8/9/14 0:10	WSD
1,1-Dichloroethane	ND	0.020		ND	0.081	0.4	8/9/14 0:10	WSD
1,2-Dichloroethane	ND	0.010		ND	0.040	0.4	8/9/14 0:10	WSD
1,1-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/9/14 0:10	WSD
cis-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/9/14 0:10	WSD
trans-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/9/14 0:10	WSD
1,2-Dichloropropane	ND	0.020		ND	0.092	0.4	8/9/14 0:10	WSD
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	8/9/14 0:10	WSD
cis-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	8/9/14 0:10	WSD
trans-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	8/9/14 0:10	WSD
Ethylbenzene	0.046	0.020		0.20	0.087	0.4	8/9/14 0:10	WSD
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	8/9/14 0:10	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	8/9/14 0:10	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	8/9/14 0:10	WSD
Methylene Chloride	0.52	0.20		1.8	0.69	0.4	8/9/14 0:10	WSD
4-Methyl-2-pentanone (MIBK)	0.092	0.020	L-03	0.38	0.082	0.4	8/9/14 0:10	WSD
Styrene	0.082	0.020		0.35	0.085	0.4	8/9/14 0:10	WSD
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	8/9/14 0:10	WSD
1,1,2,2-Tetrachloroethane	ND	0.020		ND	0.14	0.4	8/9/14 0:10	WSD

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: Room 110
Sample ID: 14H0122-08
 Sample Matrix: Indoor air
 Sampled: 8/1/2014 12:56

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1090
 Canister Size: 6 liter
 Flow Controller ID: 4090
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -4.5
 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 Analyzed	Analyst
	Results	RL		Results	RL			
Tetrachloroethylene	0.053	0.020		0.36	0.14	0.4	8/9/14 0:10	WSD
Toluene	1.1	0.020		4.2	0.075	0.4	8/9/14 0:10	WSD
1,1,1-Trichloroethane	ND	0.020		ND	0.11	0.4	8/9/14 0:10	WSD
1,1,2-Trichloroethane	ND	0.020		ND	0.11	0.4	8/9/14 0:10	WSD
Trichloroethylene	ND	0.020		ND	0.11	0.4	8/9/14 0:10	WSD
Trichlorofluoromethane (Freon 11)	0.30	0.020		1.7	0.11	0.4	8/9/14 0:10	WSD
1,2,4-Trimethylbenzene	0.045	0.020		0.22	0.098	0.4	8/9/14 0:10	WSD
1,3,5-Trimethylbenzene	ND	0.020		ND	0.098	0.4	8/9/14 0:10	WSD
Vinyl Chloride	ND	0.020		ND	0.051	0.4	8/9/14 0:10	WSD
m&p-Xylene	0.13	0.040		0.55	0.17	0.4	8/9/14 0:10	WSD
o-Xylene	0.052	0.020		0.23	0.087	0.4	8/9/14 0:10	WSD

Surrogates	% Recovery	% REC Limits	Date/Time Analyzed
4-Bromofluorobenzene (1)	122	70-130	8/9/14 0:10
4-Bromofluorobenzene (2)	119	70-130	8/9/14 0:10

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: MP-1
Sample ID: 14H0122-09
 Sample Matrix: Sub Slab
 Sampled: 8/1/2014 15:26

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1034
 Canister Size: 6 liter
 Flow Controller ID: 4090
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -7
 Receipt Vacuum(in Hg): -8.3
 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		Analized		
Acetone	13	0.80	L-05	31	1.9	0.4	8/9/14	0:57	WSD
Acrylonitrile	ND	0.12		ND	0.25	0.4	8/9/14	0:57	WSD
Benzene	0.15	0.020		0.49	0.064	0.4	8/9/14	0:57	WSD
Bromodichloromethane	ND	0.020		ND	0.13	0.4	8/9/14	0:57	WSD
Bromoform	ND	0.020		ND	0.21	0.4	8/9/14	0:57	WSD
2-Butanone (MEK)	13	0.80		38	2.4	0.4	8/9/14	0:57	WSD
n-Butylbenzene	ND	0.058	L-03	ND	0.32	0.4	8/9/14	0:57	WSD
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	8/9/14	0:57	WSD
Carbon Tetrachloride	0.047	0.020		0.30	0.13	0.4	8/9/14	0:57	WSD
Chlorobenzene	ND	0.020		ND	0.092	0.4	8/9/14	0:57	WSD
Chloroethane	0.087	0.020		0.23	0.053	0.4	8/9/14	0:57	WSD
Chloroform	0.21	0.020		1.0	0.098	0.4	8/9/14	0:57	WSD
Chloromethane	ND	0.040		ND	0.083	0.4	8/9/14	0:57	WSD
Dibromochloromethane	ND	0.020		ND	0.17	0.4	8/9/14	0:57	WSD
1,2-Dibromoethane (EDB)	ND	0.020		ND	0.15	0.4	8/9/14	0:57	WSD
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	8/9/14	0:57	WSD
1,3-Dichlorobenzene	0.70	0.020		4.2	0.12	0.4	8/9/14	0:57	WSD
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	8/9/14	0:57	WSD
Dichlorodifluoromethane (Freon 12)	0.21	0.020		1.1	0.099	0.4	8/9/14	0:57	WSD
1,1-Dichloroethane	ND	0.020		ND	0.081	0.4	8/9/14	0:57	WSD
1,2-Dichloroethane	ND	0.010		ND	0.040	0.4	8/9/14	0:57	WSD
1,1-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/9/14	0:57	WSD
cis-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/9/14	0:57	WSD
trans-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/9/14	0:57	WSD
1,2-Dichloropropane	ND	0.020		ND	0.092	0.4	8/9/14	0:57	WSD
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	8/9/14	0:57	WSD
cis-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	8/9/14	0:57	WSD
trans-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	8/9/14	0:57	WSD
Ethylbenzene	0.40	0.020		1.7	0.087	0.4	8/9/14	0:57	WSD
Isopropylbenzene (Cumene)	0.051	0.051		0.25	0.25	0.4	8/9/14	0:57	WSD
p-Isopropyltoluene (p-Cymene)	0.13	0.046		0.70	0.25	0.4	8/9/14	0:57	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	8/9/14	0:57	WSD
Methylene Chloride	0.29	0.20		1.0	0.69	0.4	8/9/14	0:57	WSD
4-Methyl-2-pentanone (MIBK)	0.16	0.020	L-03	0.64	0.082	0.4	8/9/14	0:57	WSD
Styrene	0.075	0.020		0.32	0.085	0.4	8/9/14	0:57	WSD
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	8/9/14	0:57	WSD
1,1,2,2-Tetrachloroethane	ND	0.020		ND	0.14	0.4	8/9/14	0:57	WSD

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ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: MP-1
Sample ID: 14H0122-09
 Sample Matrix: Sub Slab
 Sampled: 8/1/2014 15:26

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1034
 Canister Size: 6 liter
 Flow Controller ID: 4090
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -7
 Receipt Vacuum(in Hg): -8.3
 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	2.3	0.020		16	0.14	0.4	8/9/14	0:57	WSD
Toluene	0.72	0.020		2.7	0.075	0.4	8/9/14	0:57	WSD
1,1,1-Trichloroethane	ND	0.020		ND	0.11	0.4	8/9/14	0:57	WSD
1,1,2-Trichloroethane	ND	0.020		ND	0.11	0.4	8/9/14	0:57	WSD
Trichloroethylene	0.51	0.020		2.7	0.11	0.4	8/9/14	0:57	WSD
Trichlorofluoromethane (Freon 11)	0.52	0.020		2.9	0.11	0.4	8/9/14	0:57	WSD
1,2,4-Trimethylbenzene	0.83	0.020		4.1	0.098	0.4	8/9/14	0:57	WSD
1,3,5-Trimethylbenzene	0.18	0.020		0.90	0.098	0.4	8/9/14	0:57	WSD
Vinyl Chloride	0.080	0.020		0.21	0.051	0.4	8/9/14	0:57	WSD
m&p-Xylene	1.1	0.040		4.8	0.17	0.4	8/9/14	0:57	WSD
o-Xylene	0.43	0.020		1.9	0.087	0.4	8/9/14	0:57	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	122	70-130	8/9/14 0:57
4-Bromofluorobenzene (2)	120	70-130	8/9/14 0:57

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: MP-3
Sample ID: 14H0122-10
 Sample Matrix: Sub Slab
 Sampled: 8/1/2014 15:17

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1853
 Canister Size: 6 liter
 Flow Controller ID: 4091
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -7
 Receipt Vacuum(in Hg): -7.6
 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		Analized		
Acetone	42	1.2	E, L-05	99	2.9	0.6	8/9/14 1:43	WSD	
Acetone	47	8.0		110	19	4	8/11/14 21:24	WSD	
Acrylonitrile	ND	0.17		ND	0.37	0.6	8/9/14 1:43	WSD	
Acrylonitrile	ND	1.2		ND	2.5	4	8/11/14 21:24	WSD	
Benzene	0.24	0.030		0.76	0.096	0.6	8/9/14 1:43	WSD	
Benzene	0.25	0.20		0.79	0.64	4	8/11/14 21:24	WSD	
Bromodichloromethane	ND	0.030		ND	0.20	0.6	8/9/14 1:43	WSD	
Bromodichloromethane	ND	0.20		ND	1.3	4	8/11/14 21:24	WSD	
Bromoform	ND	0.030		ND	0.31	0.6	8/9/14 1:43	WSD	
Bromoform	ND	0.20		ND	2.1	4	8/11/14 21:24	WSD	
2-Butanone (MEK)	27	1.2		81	3.5	0.6	8/9/14 1:43	WSD	
2-Butanone (MEK)	36	8.0		110	24	4	8/11/14 21:24	WSD	
n-Butylbenzene	0.12	0.086	L-03	0.63	0.47	0.6	8/9/14 1:43	WSD	
n-Butylbenzene	ND	0.58		ND	3.2	4	8/11/14 21:24	WSD	
sec-Butylbenzene	ND	0.068		ND	0.38	0.6	8/9/14 1:43	WSD	
sec-Butylbenzene	ND	0.46		ND	2.5	4	8/11/14 21:24	WSD	
Carbon Tetrachloride	0.070	0.030		0.44	0.19	0.6	8/9/14 1:43	WSD	
Carbon Tetrachloride	ND	0.20		ND	1.3	4	8/11/14 21:24	WSD	
Chlorobenzene	ND	0.030		ND	0.14	0.6	8/9/14 1:43	WSD	
Chlorobenzene	ND	0.20		ND	0.92	4	8/11/14 21:24	WSD	
Chloroethane	0.16	0.030		0.43	0.079	0.6	8/9/14 1:43	WSD	
Chloroethane	ND	0.20		ND	0.53	4	8/11/14 21:24	WSD	
Chloroform	0.74	0.030		3.6	0.15	0.6	8/9/14 1:43	WSD	
Chloroform	0.55	0.20		2.7	0.98	4	8/11/14 21:24	WSD	
Chloromethane	ND	0.060		ND	0.12	0.6	8/9/14 1:43	WSD	
Chloromethane	ND	0.40		ND	0.83	4	8/11/14 21:24	WSD	
Dibromochloromethane	ND	0.030		ND	0.26	0.6	8/9/14 1:43	WSD	
Dibromochloromethane	ND	0.20		ND	1.7	4	8/11/14 21:24	WSD	
1,2-Dibromoethane (EDB)	ND	0.030		ND	0.23	0.6	8/9/14 1:43	WSD	
1,2-Dibromoethane (EDB)	ND	0.20		ND	1.5	4	8/11/14 21:24	WSD	
1,2-Dichlorobenzene	ND	0.030		ND	0.18	0.6	8/9/14 1:43	WSD	
1,2-Dichlorobenzene	ND	0.20		ND	1.2	4	8/11/14 21:24	WSD	
1,3-Dichlorobenzene	1.1	0.030		6.7	0.18	0.6	8/9/14 1:43	WSD	
1,3-Dichlorobenzene	0.80	0.20		4.8	1.2	4	8/11/14 21:24	WSD	
1,4-Dichlorobenzene	ND	0.030		ND	0.18	0.6	8/9/14 1:43	WSD	
1,4-Dichlorobenzene	ND	0.20		ND	1.2	4	8/11/14 21:24	WSD	
Dichlorodifluoromethane (Freon 12)	0.31	0.030		1.5	0.15	0.6	8/9/14 1:43	WSD	

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: MP-3
Sample ID: 14H0122-10
 Sample Matrix: Sub Slab
 Sampled: 8/1/2014 15:17

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1853
 Canister Size: 6 liter
 Flow Controller ID: 4091
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -7
 Receipt Vacuum(in Hg): -7.6
 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		
Dichlorodifluoromethane (Freon 12)	0.44	0.20		2.2	0.99	4	8/11/14 21:24		WSD
1,1-Dichloroethane	0.070	0.030		0.28	0.12	0.6	8/9/14 1:43		WSD
1,1-Dichloroethane	ND	0.20		ND	0.81	4	8/11/14 21:24		WSD
1,2-Dichloroethane	0.043	0.015		0.17	0.061	0.6	8/9/14 1:43		WSD
1,2-Dichloroethane	ND	0.10		ND	0.40	4	8/11/14 21:24		WSD
1,1-Dichloroethylene	ND	0.20		ND	0.79	4	8/11/14 21:24		WSD
1,1-Dichloroethylene	ND	0.030		ND	0.12	0.6	8/9/14 1:43		WSD
cis-1,2-Dichloroethylene	ND	0.030		ND	0.12	0.6	8/9/14 1:43		WSD
cis-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	8/11/14 21:24		WSD
trans-1,2-Dichloroethylene	ND	0.030		ND	0.12	0.6	8/9/14 1:43		WSD
trans-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	8/11/14 21:24		WSD
1,2-Dichloropropane	ND	0.030		ND	0.14	0.6	8/9/14 1:43		WSD
1,2-Dichloropropane	ND	0.20		ND	0.92	4	8/11/14 21:24		WSD
1,3-Dichloropropane	ND	0.081		ND	0.37	0.6	8/9/14 1:43		WSD
1,3-Dichloropropane	ND	0.54		ND	2.5	4	8/11/14 21:24		WSD
cis-1,3-Dichloropropene	ND	0.030		ND	0.14	0.6	8/9/14 1:43		WSD
cis-1,3-Dichloropropene	ND	0.20		ND	0.91	4	8/11/14 21:24		WSD
trans-1,3-Dichloropropene	ND	0.030		ND	0.14	0.6	8/9/14 1:43		WSD
trans-1,3-Dichloropropene	ND	0.20		ND	0.91	4	8/11/14 21:24		WSD
Ethylbenzene	0.19	0.030		0.84	0.13	0.6	8/9/14 1:43		WSD
Ethylbenzene	ND	0.20		ND	0.87	4	8/11/14 21:24		WSD
Isopropylbenzene (Cumene)	ND	0.076		ND	0.37	0.6	8/9/14 1:43		WSD
Isopropylbenzene (Cumene)	ND	0.51		ND	2.5	4	8/11/14 21:24		WSD
p-Isopropyltoluene (p-Cymene)	0.16	0.068		0.88	0.38	0.6	8/9/14 1:43		WSD
p-Isopropyltoluene (p-Cymene)	ND	0.46		ND	2.5	4	8/11/14 21:24		WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.030		ND	0.11	0.6	8/9/14 1:43		WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.20		ND	0.72	4	8/11/14 21:24		WSD
Methylene Chloride	0.49	0.30		1.7	1.0	0.6	8/9/14 1:43		WSD
Methylene Chloride	ND	2.0		ND	6.9	4	8/11/14 21:24		WSD
4-Methyl-2-pentanone (MIBK)	0.18	0.030	L-03	0.74	0.12	0.6	8/9/14 1:43		WSD
4-Methyl-2-pentanone (MIBK)	0.25	0.20		1.0	0.82	4	8/11/14 21:24		WSD
Styrene	0.15	0.030		0.64	0.13	0.6	8/9/14 1:43		WSD
Styrene	ND	0.20		ND	0.85	4	8/11/14 21:24		WSD
1,1,1,2-Tetrachloroethane	ND	0.36		ND	2.5	4	8/11/14 21:24		WSD
1,1,1,2-Tetrachloroethane	ND	0.055		ND	0.37	0.6	8/9/14 1:43		WSD
1,1,2,2-Tetrachloroethane	ND	0.20		ND	1.4	4	8/11/14 21:24		WSD
1,1,2,2-Tetrachloroethane	ND	0.030		ND	0.21	0.6	8/9/14 1:43		WSD

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: MP-3
Sample ID: 14H0122-10
 Sample Matrix: Sub Slab
 Sampled: 8/1/2014 15:17

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1853
 Canister Size: 6 liter
 Flow Controller ID: 4091
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -7
 Receipt Vacuum(in Hg): -7.6
 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		Analized		
Tetrachloroethylene	0.73	0.030		4.9	0.20	0.6	8/9/14 1:43	WSD	
Tetrachloroethylene	0.49	0.20		3.3	1.4	4	8/11/14 21:24	WSD	
Toluene	0.86	0.030		3.2	0.11	0.6	8/9/14 1:43	WSD	
Toluene	0.76	0.20		2.8	0.75	4	8/11/14 21:24	WSD	
1,1,1-Trichloroethane	ND	0.20		ND	1.1	4	8/11/14 21:24	WSD	
1,1,1-Trichloroethane	ND	0.030		ND	0.16	0.6	8/9/14 1:43	WSD	
1,1,2-Trichloroethane	ND	0.20		ND	1.1	4	8/11/14 21:24	WSD	
1,1,2-Trichloroethane	ND	0.030		ND	0.16	0.6	8/9/14 1:43	WSD	
Trichloroethylene	0.043	0.030		0.23	0.16	0.6	8/9/14 1:43	WSD	
Trichloroethylene	ND	0.20		ND	1.1	4	8/11/14 21:24	WSD	
Trichlorofluoromethane (Freon 11)	0.31	0.030		1.7	0.17	0.6	8/9/14 1:43	WSD	
Trichlorofluoromethane (Freon 11)	0.29	0.20		1.6	1.1	4	8/11/14 21:24	WSD	
1,2,4-Trimethylbenzene	1.3	0.20		6.5	0.98	4	8/11/14 21:24	WSD	
1,2,4-Trimethylbenzene	1.0	0.030		5.1	0.15	0.6	8/9/14 1:43	WSD	
1,3,5-Trimethylbenzene	0.20	0.030		1.00	0.15	0.6	8/9/14 1:43	WSD	
1,3,5-Trimethylbenzene	ND	0.20		ND	0.98	4	8/11/14 21:24	WSD	
Vinyl Chloride	0.15	0.030		0.38	0.077	0.6	8/9/14 1:43	WSD	
Vinyl Chloride	ND	0.20		ND	0.51	4	8/11/14 21:24	WSD	
m&p-Xylene	0.69	0.060		3.0	0.26	0.6	8/9/14 1:43	WSD	
m&p-Xylene	0.66	0.40		2.8	1.7	4	8/11/14 21:24	WSD	
o-Xylene	0.42	0.030		1.8	0.13	0.6	8/9/14 1:43	WSD	
o-Xylene	0.36	0.20		1.6	0.87	4	8/11/14 21:24	WSD	

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	123	70-130	8/9/14 1:43
4-Bromofluorobenzene (1)	102	70-130	8/11/14 21:24
4-Bromofluorobenzene (2)	120	70-130	8/9/14 1:43
4-Bromofluorobenzene (2)	104	70-130	8/11/14 21:24

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: MP-4
Sample ID: 14H0122-11
 Sample Matrix: Sub Slab
 Sampled: 8/1/2014 16:20

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1045
 Canister Size: 6 liter
 Flow Controller ID: 4077
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -5
 Receipt Vacuum(in Hg): -7.8
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	46	8.0		110	19	4	8/11/14 22:03	WSD	
Acetone	43	1.2	E, L-05	100	2.9	0.6	8/9/14 2:30	WSD	
Acrylonitrile	ND	1.2		ND	2.5	4	8/11/14 22:03	WSD	
Acrylonitrile	ND	0.17		ND	0.37	0.6	8/9/14 2:30	WSD	
Benzene	0.21	0.20		0.68	0.64	4	8/11/14 22:03	WSD	
Benzene	0.21	0.030		0.69	0.096	0.6	8/9/14 2:30	WSD	
Bromodichloromethane	ND	0.20		ND	1.3	4	8/11/14 22:03	WSD	
Bromodichloromethane	ND	0.030		ND	0.20	0.6	8/9/14 2:30	WSD	
Bromoform	ND	0.20		ND	2.1	4	8/11/14 22:03	WSD	
Bromoform	ND	0.030		ND	0.31	0.6	8/9/14 2:30	WSD	
2-Butanone (MEK)	37	8.0		110	24	4	8/11/14 22:03	WSD	
2-Butanone (MEK)	32	1.2		93	3.5	0.6	8/9/14 2:30	WSD	
n-Butylbenzene	ND	0.58		ND	3.2	4	8/11/14 22:03	WSD	
n-Butylbenzene	ND	0.086	L-03	ND	0.47	0.6	8/9/14 2:30	WSD	
sec-Butylbenzene	ND	0.46		ND	2.5	4	8/11/14 22:03	WSD	
sec-Butylbenzene	ND	0.068		ND	0.38	0.6	8/9/14 2:30	WSD	
Carbon Tetrachloride	ND	0.20		ND	1.3	4	8/11/14 22:03	WSD	
Carbon Tetrachloride	0.068	0.030		0.43	0.19	0.6	8/9/14 2:30	WSD	
Chlorobenzene	ND	0.20		ND	0.92	4	8/11/14 22:03	WSD	
Chlorobenzene	0.055	0.030		0.25	0.14	0.6	8/9/14 2:30	WSD	
Chloroethane	ND	0.20		ND	0.53	4	8/11/14 22:03	WSD	
Chloroethane	0.20	0.030		0.53	0.079	0.6	8/9/14 2:30	WSD	
Chloroform	ND	0.20		ND	0.98	4	8/11/14 22:03	WSD	
Chloroform	0.065	0.030		0.32	0.15	0.6	8/9/14 2:30	WSD	
Chloromethane	ND	0.40		ND	0.83	4	8/11/14 22:03	WSD	
Chloromethane	ND	0.060		ND	0.12	0.6	8/9/14 2:30	WSD	
Dibromochloromethane	ND	0.20		ND	1.7	4	8/11/14 22:03	WSD	
Dibromochloromethane	ND	0.030		ND	0.26	0.6	8/9/14 2:30	WSD	
1,2-Dibromoethane (EDB)	ND	0.20		ND	1.5	4	8/11/14 22:03	WSD	
1,2-Dibromoethane (EDB)	ND	0.030		ND	0.23	0.6	8/9/14 2:30	WSD	
1,2-Dichlorobenzene	ND	0.20		ND	1.2	4	8/11/14 22:03	WSD	
1,2-Dichlorobenzene	0.12	0.030		0.69	0.18	0.6	8/9/14 2:30	WSD	
1,3-Dichlorobenzene	0.82	0.20		4.9	1.2	4	8/11/14 22:03	WSD	
1,3-Dichlorobenzene	1.3	0.030		7.6	0.18	0.6	8/9/14 2:30	WSD	
1,4-Dichlorobenzene	ND	0.20		ND	1.2	4	8/11/14 22:03	WSD	
1,4-Dichlorobenzene	ND	0.030		ND	0.18	0.6	8/9/14 2:30	WSD	
Dichlorodifluoromethane (Freon 12)	0.47	0.20		2.3	0.99	4	8/11/14 22:03	WSD	

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: MP-4
Sample ID: 14H0122-11
 Sample Matrix: Sub Slab
 Sampled: 8/1/2014 16:20

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1045
 Canister Size: 6 liter
 Flow Controller ID: 4077
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -5
 Receipt Vacuum(in Hg): -7.8
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Dichlorodifluoromethane (Freon 12)	0.32	0.030		1.6	0.15	0.6	8/9/14 2:30		WSD
1,1-Dichloroethane	ND	0.20		ND	0.81	4	8/11/14 22:03		WSD
1,1-Dichloroethane	ND	0.030		ND	0.12	0.6	8/9/14 2:30		WSD
1,2-Dichloroethane	ND	0.10		ND	0.40	4	8/11/14 22:03		WSD
1,2-Dichloroethane	ND	0.015		ND	0.061	0.6	8/9/14 2:30		WSD
1,1-Dichloroethylene	ND	0.20		ND	0.79	4	8/11/14 22:03		WSD
1,1-Dichloroethylene	0.11	0.030		0.42	0.12	0.6	8/9/14 2:30		WSD
cis-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	8/11/14 22:03		WSD
cis-1,2-Dichloroethylene	ND	0.030		ND	0.12	0.6	8/9/14 2:30		WSD
trans-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	8/11/14 22:03		WSD
trans-1,2-Dichloroethylene	ND	0.030		ND	0.12	0.6	8/9/14 2:30		WSD
1,2-Dichloropropane	ND	0.20		ND	0.92	4	8/11/14 22:03		WSD
1,2-Dichloropropane	ND	0.030		ND	0.14	0.6	8/9/14 2:30		WSD
1,3-Dichloropropane	ND	0.54		ND	2.5	4	8/11/14 22:03		WSD
1,3-Dichloropropane	ND	0.081		ND	0.37	0.6	8/9/14 2:30		WSD
cis-1,3-Dichloropropene	ND	0.20		ND	0.91	4	8/11/14 22:03		WSD
cis-1,3-Dichloropropene	ND	0.030		ND	0.14	0.6	8/9/14 2:30		WSD
trans-1,3-Dichloropropene	ND	0.20		ND	0.91	4	8/11/14 22:03		WSD
trans-1,3-Dichloropropene	ND	0.030		ND	0.14	0.6	8/9/14 2:30		WSD
Ethylbenzene	ND	0.20		ND	0.87	4	8/11/14 22:03		WSD
Ethylbenzene	0.15	0.030		0.65	0.13	0.6	8/9/14 2:30		WSD
Isopropylbenzene (Cumene)	ND	0.51		ND	2.5	4	8/11/14 22:03		WSD
Isopropylbenzene (Cumene)	ND	0.076		ND	0.37	0.6	8/9/14 2:30		WSD
p-Isopropyltoluene (p-Cymene)	ND	0.46		ND	2.5	4	8/11/14 22:03		WSD
p-Isopropyltoluene (p-Cymene)	0.26	0.068		1.4	0.38	0.6	8/9/14 2:30		WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.20		ND	0.72	4	8/11/14 22:03		WSD
Methyl tert-Butyl Ether (MTBE)	0.033	0.030		0.12	0.11	0.6	8/9/14 2:30		WSD
Methylene Chloride	ND	2.0		ND	6.9	4	8/11/14 22:03		WSD
Methylene Chloride	0.49	0.30		1.7	1.0	0.6	8/9/14 2:30		WSD
4-Methyl-2-pentanone (MIBK)	0.27	0.20		1.1	0.82	4	8/11/14 22:03		WSD
4-Methyl-2-pentanone (MIBK)	0.21	0.030	L-03	0.86	0.12	0.6	8/9/14 2:30		WSD
Styrene	0.66	0.20		2.8	0.85	4	8/11/14 22:03		WSD
Styrene	0.90	0.030		3.8	0.13	0.6	8/9/14 2:30		WSD
1,1,1,2-Tetrachloroethane	ND	0.36		ND	2.5	4	8/11/14 22:03		WSD
1,1,1,2-Tetrachloroethane	ND	0.055		ND	0.37	0.6	8/9/14 2:30		WSD
1,1,2,2-Tetrachloroethane	ND	0.20		ND	1.4	4	8/11/14 22:03		WSD
1,1,2,2-Tetrachloroethane	ND	0.030		ND	0.21	0.6	8/9/14 2:30		WSD

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: MP-4
Sample ID: 14H0122-11
 Sample Matrix: Sub Slab
 Sampled: 8/1/2014 16:20

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1045
 Canister Size: 6 liter
 Flow Controller ID: 4077
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -5
 Receipt Vacuum(in Hg): -7.8
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	ND	0.20		ND	1.4	4	8/11/14 22:03	WSD	
Tetrachloroethylene	0.31	0.030		2.1	0.20	0.6	8/9/14 2:30	WSD	
Toluene	0.36	0.20		1.3	0.75	4	8/11/14 22:03	WSD	
Toluene	0.37	0.030		1.4	0.11	0.6	8/9/14 2:30	WSD	
1,1,1-Trichloroethane	ND	0.20		ND	1.1	4	8/11/14 22:03	WSD	
1,1,1-Trichloroethane	ND	0.030		ND	0.16	0.6	8/9/14 2:30	WSD	
1,1,2-Trichloroethane	ND	0.20		ND	1.1	4	8/11/14 22:03	WSD	
1,1,2-Trichloroethane	ND	0.030		ND	0.16	0.6	8/9/14 2:30	WSD	
Trichloroethylene	2.8	0.20		15	1.1	4	8/11/14 22:03	WSD	
Trichloroethylene	3.5	0.030		19	0.16	0.6	8/9/14 2:30	WSD	
Trichlorofluoromethane (Freon 11)	4.1	0.20		23	1.1	4	8/11/14 22:03	WSD	
Trichlorofluoromethane (Freon 11)	4.6	0.030		26	0.17	0.6	8/9/14 2:30	WSD	
1,2,4-Trimethylbenzene	0.60	0.20		3.0	0.98	4	8/11/14 22:03	WSD	
1,2,4-Trimethylbenzene	0.72	0.030		3.6	0.15	0.6	8/9/14 2:30	WSD	
1,3,5-Trimethylbenzene	ND	0.20		ND	0.98	4	8/11/14 22:03	WSD	
1,3,5-Trimethylbenzene	0.12	0.030		0.60	0.15	0.6	8/9/14 2:30	WSD	
Vinyl Chloride	ND	0.20		ND	0.51	4	8/11/14 22:03	WSD	
Vinyl Chloride	ND	0.030		ND	0.077	0.6	8/9/14 2:30	WSD	
m&p-Xylene	0.41	0.40		1.8	1.7	4	8/11/14 22:03	WSD	
m&p-Xylene	0.48	0.060		2.1	0.26	0.6	8/9/14 2:30	WSD	
o-Xylene	ND	0.20		ND	0.87	4	8/11/14 22:03	WSD	
o-Xylene	0.26	0.030		1.1	0.13	0.6	8/9/14 2:30	WSD	

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	101	70-130	8/11/14 22:03
4-Bromofluorobenzene (1)	122	70-130	8/9/14 2:30
4-Bromofluorobenzene (2)	102	70-130	8/11/14 22:03
4-Bromofluorobenzene (2)	118	70-130	8/9/14 2:30

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: IMP-1
Sample ID: 14H0122-12
 Sample Matrix: Sub Slab
 Sampled: 8/1/2014 13:15

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1020
 Canister Size: 6 liter
 Flow Controller ID: 4195
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -4
 Receipt Vacuum(in Hg): -3.5
 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		Analized		
Acetone	13	0.80	L-05	30	1.9	0.4	8/9/14	3:22	WSD
Acrylonitrile	ND	0.12		ND	0.25	0.4	8/9/14	3:22	WSD
Benzene	0.11	0.020		0.34	0.064	0.4	8/9/14	3:22	WSD
Bromodichloromethane	ND	0.020		ND	0.13	0.4	8/9/14	3:22	WSD
Bromoform	ND	0.020		ND	0.21	0.4	8/9/14	3:22	WSD
2-Butanone (MEK)	2.0	0.80		5.8	2.4	0.4	8/9/14	3:22	WSD
n-Butylbenzene	ND	0.058	L-03	ND	0.32	0.4	8/9/14	3:22	WSD
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	8/9/14	3:22	WSD
Carbon Tetrachloride	0.089	0.020		0.56	0.13	0.4	8/9/14	3:22	WSD
Chlorobenzene	ND	0.020		ND	0.092	0.4	8/9/14	3:22	WSD
Chloroethane	0.022	0.020		0.059	0.053	0.4	8/9/14	3:22	WSD
Chloroform	0.43	0.020		2.1	0.098	0.4	8/9/14	3:22	WSD
Chloromethane	ND	0.040		ND	0.083	0.4	8/9/14	3:22	WSD
Dibromochloromethane	ND	0.020		ND	0.17	0.4	8/9/14	3:22	WSD
1,2-Dibromoethane (EDB)	ND	0.020		ND	0.15	0.4	8/9/14	3:22	WSD
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	8/9/14	3:22	WSD
1,3-Dichlorobenzene	0.60	0.020		3.6	0.12	0.4	8/9/14	3:22	WSD
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	8/9/14	3:22	WSD
Dichlorodifluoromethane (Freon 12)	0.33	0.020		1.6	0.099	0.4	8/9/14	3:22	WSD
1,1-Dichloroethane	ND	0.020		ND	0.081	0.4	8/9/14	3:22	WSD
1,2-Dichloroethane	ND	0.010		ND	0.040	0.4	8/9/14	3:22	WSD
1,1-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/9/14	3:22	WSD
cis-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/9/14	3:22	WSD
trans-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/9/14	3:22	WSD
1,2-Dichloropropane	ND	0.020		ND	0.092	0.4	8/9/14	3:22	WSD
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	8/9/14	3:22	WSD
cis-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	8/9/14	3:22	WSD
trans-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	8/9/14	3:22	WSD
Ethylbenzene	0.10	0.020		0.45	0.087	0.4	8/9/14	3:22	WSD
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	8/9/14	3:22	WSD
p-Isopropyltoluene (p-Cymene)	0.082	0.046		0.45	0.25	0.4	8/9/14	3:22	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	8/9/14	3:22	WSD
Methylene Chloride	0.32	0.20		1.1	0.69	0.4	8/9/14	3:22	WSD
4-Methyl-2-pentanone (MIBK)	0.32	0.020	L-03	1.3	0.082	0.4	8/9/14	3:22	WSD
Styrene	0.11	0.020		0.45	0.085	0.4	8/9/14	3:22	WSD
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	8/9/14	3:22	WSD
1,1,2,2-Tetrachloroethane	ND	0.020		ND	0.14	0.4	8/9/14	3:22	WSD

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: IMP-1
Sample ID: 14H0122-12
 Sample Matrix: Sub Slab
 Sampled: 8/1/2014 13:15

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1020
 Canister Size: 6 liter
 Flow Controller ID: 4195
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -4
 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	0.14	0.020		0.97	0.14	0.4	8/9/14	3:22	WSD
Toluene	0.43	0.020		1.6	0.075	0.4	8/9/14	3:22	WSD
1,1,1-Trichloroethane	ND	0.020		ND	0.11	0.4	8/9/14	3:22	WSD
1,1,2-Trichloroethane	ND	0.020		ND	0.11	0.4	8/9/14	3:22	WSD
Trichloroethylene	0.22	0.020		1.2	0.11	0.4	8/9/14	3:22	WSD
Trichlorofluoromethane (Freon 11)	0.42	0.020		2.4	0.11	0.4	8/9/14	3:22	WSD
1,2,4-Trimethylbenzene	0.54	0.020		2.6	0.098	0.4	8/9/14	3:22	WSD
1,3,5-Trimethylbenzene	0.093	0.020		0.46	0.098	0.4	8/9/14	3:22	WSD
Vinyl Chloride	ND	0.020		ND	0.051	0.4	8/9/14	3:22	WSD
m&p-Xylene	0.35	0.040		1.5	0.17	0.4	8/9/14	3:22	WSD
o-Xylene	0.18	0.020		0.79	0.087	0.4	8/9/14	3:22	WSD

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	123	70-130	8/9/14	3:22
4-Bromofluorobenzene (2)	119	70-130	8/9/14	3:22

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: IMP-2
Sample ID: 14H0122-13
 Sample Matrix: Sub Slab
 Sampled: 8/1/2014 12:45

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1172
 Canister Size: 6 liter
 Flow Controller ID: 4194
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -2.5
 Receipt Vacuum(in Hg): -2.4
 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	24	8.0		57	19	4	8/11/14 22:43	WSD	
Acetone	21	0.80	E, L-05	50	1.9	0.4	8/9/14 4:13	WSD	
Acrylonitrile	ND	1.2		ND	2.5	4	8/11/14 22:43	WSD	
Acrylonitrile	ND	0.12		ND	0.25	0.4	8/9/14 4:13	WSD	
Benzene	ND	0.20		ND	0.64	4	8/11/14 22:43	WSD	
Benzene	0.13	0.020		0.43	0.064	0.4	8/9/14 4:13	WSD	
Bromodichloromethane	ND	0.20		ND	1.3	4	8/11/14 22:43	WSD	
Bromodichloromethane	ND	0.020		ND	0.13	0.4	8/9/14 4:13	WSD	
Bromoform	ND	0.20		ND	2.1	4	8/11/14 22:43	WSD	
Bromoform	ND	0.020		ND	0.21	0.4	8/9/14 4:13	WSD	
2-Butanone (MEK)	ND	8.0		ND	24	4	8/11/14 22:43	WSD	
2-Butanone (MEK)	1.4	0.80		4.3	2.4	0.4	8/9/14 4:13	WSD	
n-Butylbenzene	ND	0.58		ND	3.2	4	8/11/14 22:43	WSD	
n-Butylbenzene	0.10	0.058	L-03	0.56	0.32	0.4	8/9/14 4:13	WSD	
sec-Butylbenzene	ND	0.46		ND	2.5	4	8/11/14 22:43	WSD	
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	8/9/14 4:13	WSD	
Carbon Tetrachloride	ND	0.20		ND	1.3	4	8/11/14 22:43	WSD	
Carbon Tetrachloride	0.068	0.020		0.43	0.13	0.4	8/9/14 4:13	WSD	
Chlorobenzene	ND	0.20		ND	0.92	4	8/11/14 22:43	WSD	
Chlorobenzene	ND	0.020		ND	0.092	0.4	8/9/14 4:13	WSD	
Chloroethane	ND	0.20		ND	0.53	4	8/11/14 22:43	WSD	
Chloroethane	0.026	0.020		0.070	0.053	0.4	8/9/14 4:13	WSD	
Chloroform	ND	0.20		ND	0.98	4	8/11/14 22:43	WSD	
Chloroform	0.11	0.020		0.55	0.098	0.4	8/9/14 4:13	WSD	
Chloromethane	ND	0.40		ND	0.83	4	8/11/14 22:43	WSD	
Chloromethane	ND	0.040		ND	0.083	0.4	8/9/14 4:13	WSD	
Dibromochloromethane	ND	0.20		ND	1.7	4	8/11/14 22:43	WSD	
Dibromochloromethane	ND	0.020		ND	0.17	0.4	8/9/14 4:13	WSD	
1,2-Dibromoethane (EDB)	ND	0.20		ND	1.5	4	8/11/14 22:43	WSD	
1,2-Dibromoethane (EDB)	ND	0.020		ND	0.15	0.4	8/9/14 4:13	WSD	
1,2-Dichlorobenzene	ND	0.20		ND	1.2	4	8/11/14 22:43	WSD	
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	8/9/14 4:13	WSD	
1,3-Dichlorobenzene	0.85	0.20		5.1	1.2	4	8/11/14 22:43	WSD	
1,3-Dichlorobenzene	1.0	0.020		6.2	0.12	0.4	8/9/14 4:13	WSD	
1,4-Dichlorobenzene	ND	0.20		ND	1.2	4	8/11/14 22:43	WSD	
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	8/9/14 4:13	WSD	
Dichlorodifluoromethane (Freon 12)	0.44	0.20		2.2	0.99	4	8/11/14 22:43	WSD	

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: IMP-2
Sample ID: 14H0122-13
 Sample Matrix: Sub Slab
 Sampled: 8/1/2014 12:45

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1172
 Canister Size: 6 liter
 Flow Controller ID: 4194
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -2.5
 Receipt Vacuum(in Hg): -2.4
 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		
Dichlorodifluoromethane (Freon 12)	0.32	0.020		1.6	0.099	0.4	8/9/14 4:13		WSD
1,1-Dichloroethane	ND	0.20		ND	0.81	4	8/11/14 22:43		WSD
1,1-Dichloroethane	ND	0.020		ND	0.081	0.4	8/9/14 4:13		WSD
1,2-Dichloroethane	ND	0.10		ND	0.40	4	8/11/14 22:43		WSD
1,2-Dichloroethane	ND	0.010		ND	0.040	0.4	8/9/14 4:13		WSD
1,1-Dichloroethylene	ND	0.20		ND	0.79	4	8/11/14 22:43		WSD
1,1-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/9/14 4:13		WSD
cis-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	8/11/14 22:43		WSD
cis-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/9/14 4:13		WSD
trans-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	8/11/14 22:43		WSD
trans-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/9/14 4:13		WSD
1,2-Dichloropropane	ND	0.20		ND	0.92	4	8/11/14 22:43		WSD
1,2-Dichloropropane	ND	0.020		ND	0.092	0.4	8/9/14 4:13		WSD
1,3-Dichloropropane	ND	0.54		ND	2.5	4	8/11/14 22:43		WSD
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	8/9/14 4:13		WSD
cis-1,3-Dichloropropene	ND	0.20		ND	0.91	4	8/11/14 22:43		WSD
cis-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	8/9/14 4:13		WSD
trans-1,3-Dichloropropene	ND	0.20		ND	0.91	4	8/11/14 22:43		WSD
trans-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	8/9/14 4:13		WSD
Ethylbenzene	ND	0.20		ND	0.87	4	8/11/14 22:43		WSD
Ethylbenzene	0.20	0.020		0.85	0.087	0.4	8/9/14 4:13		WSD
Isopropylbenzene (Cumene)	ND	0.51		ND	2.5	4	8/11/14 22:43		WSD
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	8/9/14 4:13		WSD
p-Isopropyltoluene (p-Cymene)	ND	0.46		ND	2.5	4	8/11/14 22:43		WSD
p-Isopropyltoluene (p-Cymene)	0.11	0.046		0.61	0.25	0.4	8/9/14 4:13		WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.20		ND	0.72	4	8/11/14 22:43		WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	8/9/14 4:13		WSD
Methylene Chloride	ND	2.0		ND	6.9	4	8/11/14 22:43		WSD
Methylene Chloride	0.31	0.20		1.1	0.69	0.4	8/9/14 4:13		WSD
4-Methyl-2-pentanone (MIBK)	0.59	0.20		2.4	0.82	4	8/11/14 22:43		WSD
4-Methyl-2-pentanone (MIBK)	0.49	0.020	L-03	2.0	0.082	0.4	8/9/14 4:13		WSD
Styrene	ND	0.20		ND	0.85	4	8/11/14 22:43		WSD
Styrene	0.12	0.020		0.51	0.085	0.4	8/9/14 4:13		WSD
1,1,1,2-Tetrachloroethane	ND	0.36		ND	2.5	4	8/11/14 22:43		WSD
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	8/9/14 4:13		WSD
1,1,2,2-Tetrachloroethane	ND	0.20		ND	1.4	4	8/11/14 22:43		WSD
1,1,2,2-Tetrachloroethane	ND	0.020		ND	0.14	0.4	8/9/14 4:13		WSD

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: IMP-2
Sample ID: 14H0122-13
 Sample Matrix: Sub Slab
 Sampled: 8/1/2014 12:45

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1172
 Canister Size: 6 liter
 Flow Controller ID: 4194
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -2.5
 Receipt Vacuum(in Hg): -2.4
 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 Analyzed	Analyst
	Results	RL		Results	RL			
Tetrachloroethylene	0.59	0.20		4.0	1.4	4	8/11/14 22:43	WSD
Tetrachloroethylene	0.87	0.020		5.9	0.14	0.4	8/9/14 4:13	WSD
Toluene	0.51	0.20		1.9	0.75	4	8/11/14 22:43	WSD
Toluene	0.60	0.020		2.3	0.075	0.4	8/9/14 4:13	WSD
1,1,1-Trichloroethane	ND	0.20		ND	1.1	4	8/11/14 22:43	WSD
1,1,1-Trichloroethane	0.040	0.020		0.22	0.11	0.4	8/9/14 4:13	WSD
1,1,2-Trichloroethane	ND	0.20		ND	1.1	4	8/11/14 22:43	WSD
1,1,2-Trichloroethane	ND	0.020		ND	0.11	0.4	8/9/14 4:13	WSD
Trichloroethylene	3.0	0.20		16	1.1	4	8/11/14 22:43	WSD
Trichloroethylene	3.4	0.020		18	0.11	0.4	8/9/14 4:13	WSD
Trichlorofluoromethane (Freon 11)	1.1	0.20		6.2	1.1	4	8/11/14 22:43	WSD
Trichlorofluoromethane (Freon 11)	1.1	0.020		6.2	0.11	0.4	8/9/14 4:13	WSD
1,2,4-Trimethylbenzene	1.3	0.20		6.3	0.98	4	8/11/14 22:43	WSD
1,2,4-Trimethylbenzene	0.87	0.020		4.3	0.098	0.4	8/9/14 4:13	WSD
1,3,5-Trimethylbenzene	ND	0.20		ND	0.98	4	8/11/14 22:43	WSD
1,3,5-Trimethylbenzene	0.17	0.020		0.86	0.098	0.4	8/9/14 4:13	WSD
Vinyl Chloride	ND	0.20		ND	0.51	4	8/11/14 22:43	WSD
Vinyl Chloride	ND	0.020		ND	0.051	0.4	8/9/14 4:13	WSD
m&p-Xylene	0.56	0.40		2.4	1.7	4	8/11/14 22:43	WSD
m&p-Xylene	0.64	0.040		2.8	0.17	0.4	8/9/14 4:13	WSD
o-Xylene	0.28	0.20		1.2	0.87	4	8/11/14 22:43	WSD
o-Xylene	0.36	0.020		1.6	0.087	0.4	8/9/14 4:13	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	107	70-130	8/11/14 22:43
4-Bromofluorobenzene (1)	120	70-130	8/9/14 4:13
4-Bromofluorobenzene (2)	105	70-130	8/11/14 22:43
4-Bromofluorobenzene (2)	120	70-130	8/9/14 4:13

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: Rooftop Fan 1
Sample ID: 14H0122-14
 Sample Matrix: Air
 Sampled: 8/1/2014 14:13

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1845
 Canister Size: 6 liter
 Flow Controller ID: 4181
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -3.8
 Receipt Vacuum(in Hg): -5.2
 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	61	8.0		150	19	4	8/11/14 23:23	WSD	
Acetone	50	0.80	E, L-05	120	1.9	0.4	8/9/14 5:07	WSD	
Acrylonitrile	ND	1.2		ND	2.5	4	8/11/14 23:23	WSD	
Acrylonitrile	ND	0.12		ND	0.25	0.4	8/9/14 5:07	WSD	
Benzene	0.21	0.20		0.68	0.64	4	8/11/14 23:23	WSD	
Benzene	0.20	0.020		0.65	0.064	0.4	8/9/14 5:07	WSD	
Bromodichloromethane	ND	0.20		ND	1.3	4	8/11/14 23:23	WSD	
Bromodichloromethane	ND	0.020		ND	0.13	0.4	8/9/14 5:07	WSD	
Bromoform	ND	0.20		ND	2.1	4	8/11/14 23:23	WSD	
Bromoform	ND	0.020		ND	0.21	0.4	8/9/14 5:07	WSD	
2-Butanone (MEK)	ND	8.0		ND	24	4	8/11/14 23:23	WSD	
2-Butanone (MEK)	3.8	0.80		11	2.4	0.4	8/9/14 5:07	WSD	
n-Butylbenzene	ND	0.58		ND	3.2	4	8/11/14 23:23	WSD	
n-Butylbenzene	ND	0.058	L-03	ND	0.32	0.4	8/9/14 5:07	WSD	
sec-Butylbenzene	ND	0.46		ND	2.5	4	8/11/14 23:23	WSD	
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	8/9/14 5:07	WSD	
Carbon Tetrachloride	ND	0.20		ND	1.3	4	8/11/14 23:23	WSD	
Carbon Tetrachloride	0.069	0.020		0.43	0.13	0.4	8/9/14 5:07	WSD	
Chlorobenzene	ND	0.20		ND	0.92	4	8/11/14 23:23	WSD	
Chlorobenzene	ND	0.020		ND	0.092	0.4	8/9/14 5:07	WSD	
Chloroethane	ND	0.20		ND	0.53	4	8/11/14 23:23	WSD	
Chloroethane	0.039	0.020		0.10	0.053	0.4	8/9/14 5:07	WSD	
Chloroform	ND	0.20		ND	0.98	4	8/11/14 23:23	WSD	
Chloroform	0.10	0.020		0.50	0.098	0.4	8/9/14 5:07	WSD	
Chloromethane	ND	0.40		ND	0.83	4	8/11/14 23:23	WSD	
Chloromethane	ND	0.040		ND	0.083	0.4	8/9/14 5:07	WSD	
Dibromochloromethane	ND	0.20		ND	1.7	4	8/11/14 23:23	WSD	
Dibromochloromethane	ND	0.020		ND	0.17	0.4	8/9/14 5:07	WSD	
1,2-Dibromoethane (EDB)	ND	0.20		ND	1.5	4	8/11/14 23:23	WSD	
1,2-Dibromoethane (EDB)	ND	0.020		ND	0.15	0.4	8/9/14 5:07	WSD	
1,2-Dichlorobenzene	ND	0.20		ND	1.2	4	8/11/14 23:23	WSD	
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	8/9/14 5:07	WSD	
1,3-Dichlorobenzene	0.85	0.20		5.1	1.2	4	8/11/14 23:23	WSD	
1,3-Dichlorobenzene	1.1	0.020		6.8	0.12	0.4	8/9/14 5:07	WSD	
1,4-Dichlorobenzene	ND	0.20		ND	1.2	4	8/11/14 23:23	WSD	
1,4-Dichlorobenzene	0.025	0.020		0.15	0.12	0.4	8/9/14 5:07	WSD	
Dichlorodifluoromethane (Freon 12)	0.47	0.20		2.3	0.99	4	8/11/14 23:23	WSD	

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: Rooftop Fan 1
Sample ID: 14H0122-14
 Sample Matrix: Air
 Sampled: 8/1/2014 14:13

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1845
 Canister Size: 6 liter
 Flow Controller ID: 4181
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -3.8
 Receipt Vacuum(in Hg): -5.2
 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		
Dichlorodifluoromethane (Freon 12)	0.32	0.020		1.6	0.099	0.4	8/9/14 5:07	WSD	
1,1-Dichloroethane	ND	0.20		ND	0.81	4	8/11/14 23:23	WSD	
1,1-Dichloroethane	ND	0.020		ND	0.081	0.4	8/9/14 5:07	WSD	
1,2-Dichloroethane	ND	0.10		ND	0.40	4	8/11/14 23:23	WSD	
1,2-Dichloroethane	ND	0.010		ND	0.040	0.4	8/9/14 5:07	WSD	
1,1-Dichloroethylene	ND	0.20		ND	0.79	4	8/11/14 23:23	WSD	
1,1-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/9/14 5:07	WSD	
cis-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	8/11/14 23:23	WSD	
cis-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/9/14 5:07	WSD	
trans-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	8/11/14 23:23	WSD	
trans-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/9/14 5:07	WSD	
1,2-Dichloropropane	ND	0.20		ND	0.92	4	8/11/14 23:23	WSD	
1,2-Dichloropropane	ND	0.020		ND	0.092	0.4	8/9/14 5:07	WSD	
1,3-Dichloropropane	ND	0.54		ND	2.5	4	8/11/14 23:23	WSD	
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	8/9/14 5:07	WSD	
cis-1,3-Dichloropropene	ND	0.20		ND	0.91	4	8/11/14 23:23	WSD	
cis-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	8/9/14 5:07	WSD	
trans-1,3-Dichloropropene	ND	0.20		ND	0.91	4	8/11/14 23:23	WSD	
trans-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	8/9/14 5:07	WSD	
Ethylbenzene	ND	0.20		ND	0.87	4	8/11/14 23:23	WSD	
Ethylbenzene	0.089	0.020		0.39	0.087	0.4	8/9/14 5:07	WSD	
Isopropylbenzene (Cumene)	ND	0.51		ND	2.5	4	8/11/14 23:23	WSD	
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	8/9/14 5:07	WSD	
p-Isopropyltoluene (p-Cymene)	ND	0.46		ND	2.5	4	8/11/14 23:23	WSD	
p-Isopropyltoluene (p-Cymene)	0.12	0.046		0.64	0.25	0.4	8/9/14 5:07	WSD	
Methyl tert-Butyl Ether (MTBE)	ND	0.20		ND	0.72	4	8/11/14 23:23	WSD	
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	8/9/14 5:07	WSD	
Methylene Chloride	ND	2.0		ND	6.9	4	8/11/14 23:23	WSD	
Methylene Chloride	0.37	0.20		1.3	0.69	0.4	8/9/14 5:07	WSD	
4-Methyl-2-pentanone (MIBK)	ND	0.20		ND	0.82	4	8/11/14 23:23	WSD	
4-Methyl-2-pentanone (MIBK)	ND	0.020	L-03	ND	0.082	0.4	8/9/14 5:07	WSD	
Styrene	ND	0.20		ND	0.85	4	8/11/14 23:23	WSD	
Styrene	0.14	0.020		0.62	0.085	0.4	8/9/14 5:07	WSD	
1,1,1,2-Tetrachloroethane	ND	0.36		ND	2.5	4	8/11/14 23:23	WSD	
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	8/9/14 5:07	WSD	
1,1,2,2-Tetrachloroethane	ND	0.20		ND	1.4	4	8/11/14 23:23	WSD	
1,1,2,2-Tetrachloroethane	ND	0.020		ND	0.14	0.4	8/9/14 5:07	WSD	

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: Rooftop Fan 1
Sample ID: 14H0122-14
 Sample Matrix: Air
 Sampled: 8/1/2014 14:13

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1845
 Canister Size: 6 liter
 Flow Controller ID: 4181
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -3.8
 Receipt Vacuum(in Hg): -5.2
 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	2.7	0.20		18	1.4	4	8/11/14 23:23	WSD	
Tetrachloroethylene	3.5	0.020		24	0.14	0.4	8/9/14 5:07	WSD	
Toluene	0.61	0.20		2.3	0.75	4	8/11/14 23:23	WSD	
Toluene	0.63	0.020		2.4	0.075	0.4	8/9/14 5:07	WSD	
1,1,1-Trichloroethane	0.22	0.20		1.2	1.1	4	8/11/14 23:23	WSD	
1,1,1-Trichloroethane	0.21	0.020		1.2	0.11	0.4	8/9/14 5:07	WSD	
1,1,2-Trichloroethane	ND	0.20		ND	1.1	4	8/11/14 23:23	WSD	
1,1,2-Trichloroethane	ND	0.020		ND	0.11	0.4	8/9/14 5:07	WSD	
Trichloroethylene	10	0.20		56	1.1	4	8/11/14 23:23	WSD	
Trichloroethylene	10	0.020		56	0.11	0.4	8/9/14 5:07	WSD	
Trichlorofluoromethane (Freon 11)	6.7	0.20		38	1.1	4	8/11/14 23:23	WSD	
Trichlorofluoromethane (Freon 11)	6.4	0.020		36	0.11	0.4	8/9/14 5:07	WSD	
1,2,4-Trimethylbenzene	0.30	0.20		1.5	0.98	4	8/11/14 23:23	WSD	
1,2,4-Trimethylbenzene	0.37	0.020		1.8	0.098	0.4	8/9/14 5:07	WSD	
1,3,5-Trimethylbenzene	ND	0.20		ND	0.98	4	8/11/14 23:23	WSD	
1,3,5-Trimethylbenzene	0.066	0.020		0.33	0.098	0.4	8/9/14 5:07	WSD	
Vinyl Chloride	ND	0.020		ND	0.051	0.4	8/9/14 5:07	WSD	
Vinyl Chloride	ND	0.20		ND	0.51	4	8/11/14 23:23	WSD	
m&p-Xylene	ND	0.40		ND	1.7	4	8/11/14 23:23	WSD	
m&p-Xylene	0.27	0.040		1.2	0.17	0.4	8/9/14 5:07	WSD	
o-Xylene	ND	0.20		ND	0.87	4	8/11/14 23:23	WSD	
o-Xylene	0.14	0.020		0.60	0.087	0.4	8/9/14 5:07	WSD	

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	98.1	70-130	8/11/14 23:23
4-Bromofluorobenzene (1)	115	70-130	8/9/14 5:07
4-Bromofluorobenzene (2)	98.8	70-130	8/11/14 23:23
4-Bromofluorobenzene (2)	112	70-130	8/9/14 5:07

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: Rooftop Fan 2
Sample ID: 14H0122-15
 Sample Matrix: Air
 Sampled: 8/1/2014 14:04

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1717
 Canister Size: 6 liter
 Flow Controller ID: 4180
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -5
 Receipt Vacuum(in Hg): -5.3
 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		Analized		
Acetone	45	0.80	L-05, E	110	1.9	0.4	8/9/14 6:39	WSD	
Acetone	49	8.0		120	19	4	8/12/14 0:04	WSD	
Acrylonitrile	0.51	0.12	L-05, V-06	1.1	0.25	0.4	8/9/14 6:39	WSD	
Acrylonitrile	1.5	1.2	L-05	3.3	2.5	4	8/12/14 0:04	WSD	
Benzene	0.22	0.020		0.70	0.064	0.4	8/9/14 6:39	WSD	
Benzene	0.21	0.20		0.68	0.64	4	8/12/14 0:04	WSD	
Bromodichloromethane	ND	0.020		ND	0.13	0.4	8/9/14 6:39	WSD	
Bromodichloromethane	ND	0.20		ND	1.3	4	8/12/14 0:04	WSD	
Bromoform	ND	0.020		ND	0.21	0.4	8/9/14 6:39	WSD	
Bromoform	ND	0.20		ND	2.1	4	8/12/14 0:04	WSD	
2-Butanone (MEK)	3.3	0.80		9.7	2.4	0.4	8/9/14 6:39	WSD	
2-Butanone (MEK)	ND	8.0		ND	24	4	8/12/14 0:04	WSD	
n-Butylbenzene	0.21	0.058	L-03	1.1	0.32	0.4	8/9/14 6:39	WSD	
n-Butylbenzene	ND	0.58		ND	3.2	4	8/12/14 0:04	WSD	
sec-Butylbenzene	0.14	0.046		0.77	0.25	0.4	8/9/14 6:39	WSD	
sec-Butylbenzene	ND	0.46		ND	2.5	4	8/12/14 0:04	WSD	
Carbon Tetrachloride	0.072	0.020		0.45	0.13	0.4	8/9/14 6:39	WSD	
Carbon Tetrachloride	ND	0.20		ND	1.3	4	8/12/14 0:04	WSD	
Chlorobenzene	ND	0.20		ND	0.92	4	8/12/14 0:04	WSD	
Chlorobenzene	ND	0.020		ND	0.092	0.4	8/9/14 6:39	WSD	
Chloroethane	ND	0.20		ND	0.53	4	8/12/14 0:04	WSD	
Chloroethane	0.072	0.020		0.19	0.053	0.4	8/9/14 6:39	WSD	
Chloroform	ND	0.20		ND	0.98	4	8/12/14 0:04	WSD	
Chloroform	0.20	0.020		0.99	0.098	0.4	8/9/14 6:39	WSD	
Chloromethane	ND	0.40		ND	0.83	4	8/12/14 0:04	WSD	
Chloromethane	ND	0.040		ND	0.083	0.4	8/9/14 6:39	WSD	
Dibromochloromethane	ND	0.20		ND	1.7	4	8/12/14 0:04	WSD	
Dibromochloromethane	ND	0.020		ND	0.17	0.4	8/9/14 6:39	WSD	
1,2-Dibromoethane (EDB)	ND	0.020		ND	0.15	0.4	8/9/14 6:39	WSD	
1,2-Dibromoethane (EDB)	ND	0.20		ND	1.5	4	8/12/14 0:04	WSD	
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	8/9/14 6:39	WSD	
1,2-Dichlorobenzene	ND	0.20		ND	1.2	4	8/12/14 0:04	WSD	
1,3-Dichlorobenzene	0.86	0.020		5.1	0.12	0.4	8/9/14 6:39	WSD	
1,3-Dichlorobenzene	0.64	0.20		3.9	1.2	4	8/12/14 0:04	WSD	
1,4-Dichlorobenzene	0.026	0.020		0.16	0.12	0.4	8/9/14 6:39	WSD	
1,4-Dichlorobenzene	ND	0.20		ND	1.2	4	8/12/14 0:04	WSD	
Dichlorodifluoromethane (Freon 12)	0.43	0.20		2.1	0.99	4	8/12/14 0:04	WSD	

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: Rooftop Fan 2
Sample ID: 14H0122-15
 Sample Matrix: Air
 Sampled: 8/1/2014 14:04

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1717
 Canister Size: 6 liter
 Flow Controller ID: 4180
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -5
 Receipt Vacuum(in Hg): -5.3
 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		
Dichlorodifluoromethane (Freon 12)	0.34	0.020		1.7	0.099	0.4	8/9/14 6:39	WSD	
1,1-Dichloroethane	ND	0.020		ND	0.081	0.4	8/9/14 6:39	WSD	
1,1-Dichloroethane	ND	0.20		ND	0.81	4	8/12/14 0:04	WSD	
1,2-Dichloroethane	ND	0.010		ND	0.040	0.4	8/9/14 6:39	WSD	
1,2-Dichloroethane	ND	0.10		ND	0.40	4	8/12/14 0:04	WSD	
1,1-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/9/14 6:39	WSD	
1,1-Dichloroethylene	ND	0.20		ND	0.79	4	8/12/14 0:04	WSD	
cis-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	8/12/14 0:04	WSD	
cis-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/9/14 6:39	WSD	
trans-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/9/14 6:39	WSD	
trans-1,2-Dichloroethylene	ND	0.20		ND	0.79	4	8/12/14 0:04	WSD	
1,2-Dichloropropane	ND	0.020		ND	0.092	0.4	8/9/14 6:39	WSD	
1,2-Dichloropropane	ND	0.20		ND	0.92	4	8/12/14 0:04	WSD	
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	8/9/14 6:39	WSD	
1,3-Dichloropropane	0.60	0.54		2.8	2.5	4	8/12/14 0:04	WSD	
cis-1,3-Dichloropropene	ND	0.20		ND	0.91	4	8/12/14 0:04	WSD	
cis-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	8/9/14 6:39	WSD	
trans-1,3-Dichloropropene	ND	0.20		ND	0.91	4	8/12/14 0:04	WSD	
trans-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	8/9/14 6:39	WSD	
Ethylbenzene	ND	0.20		ND	0.87	4	8/12/14 0:04	WSD	
Ethylbenzene	0.10	0.020		0.45	0.087	0.4	8/9/14 6:39	WSD	
Isopropylbenzene (Cumene)	0.52	0.51		2.6	2.5	4	8/12/14 0:04	WSD	
Isopropylbenzene (Cumene)	0.18	0.051		0.88	0.25	0.4	8/9/14 6:39	WSD	
p-Isopropyltoluene (p-Cymene)	0.30	0.046		1.6	0.25	0.4	8/9/14 6:39	WSD	
p-Isopropyltoluene (p-Cymene)	0.49	0.46		2.7	2.5	4	8/12/14 0:04	WSD	
Methyl tert-Butyl Ether (MTBE)	ND	0.20		ND	0.72	4	8/12/14 0:04	WSD	
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	8/9/14 6:39	WSD	
Methylene Chloride	0.37	0.20		1.3	0.69	0.4	8/9/14 6:39	WSD	
Methylene Chloride	ND	2.0		ND	6.9	4	8/12/14 0:04	WSD	
4-Methyl-2-pentanone (MIBK)	0.19	0.020	L-03	0.79	0.082	0.4	8/9/14 6:39	WSD	
4-Methyl-2-pentanone (MIBK)	0.27	0.20		1.1	0.82	4	8/12/14 0:04	WSD	
Styrene	0.15	0.020		0.63	0.085	0.4	8/9/14 6:39	WSD	
Styrene	ND	0.20		ND	0.85	4	8/12/14 0:04	WSD	
1,1,1,2-Tetrachloroethane	0.092	0.036		0.63	0.25	0.4	8/9/14 6:39	WSD	
1,1,1,2-Tetrachloroethane	0.39	0.36		2.7	2.5	4	8/12/14 0:04	WSD	
1,1,2,2-Tetrachloroethane	ND	0.020		ND	0.14	0.4	8/9/14 6:39	WSD	
1,1,2,2-Tetrachloroethane	ND	0.20		ND	1.4	4	8/12/14 0:04	WSD	

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: Rooftop Fan 2
Sample ID: 14H0122-15
 Sample Matrix: Air
 Sampled: 8/1/2014 14:04

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1717
 Canister Size: 6 liter
 Flow Controller ID: 4180
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -5
 Receipt Vacuum(in Hg): -5.3
 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	1.2	0.20		8.0	1.4	4	8/12/14	0:04	WSD
Tetrachloroethylene	1.7	0.020		11	0.14	0.4	8/9/14	6:39	WSD
Toluene	5.2	0.020		19	0.075	0.4	8/9/14	6:39	WSD
Toluene	4.9	0.20		18	0.75	4	8/12/14	0:04	WSD
1,1,1-Trichloroethane	0.11	0.020		0.61	0.11	0.4	8/9/14	6:39	WSD
1,1,1-Trichloroethane	ND	0.20		ND	1.1	4	8/12/14	0:04	WSD
1,1,2-Trichloroethane	ND	0.020		ND	0.11	0.4	8/9/14	6:39	WSD
1,1,2-Trichloroethane	ND	0.20		ND	1.1	4	8/12/14	0:04	WSD
Trichloroethylene	9.1	0.20		49	1.1	4	8/12/14	0:04	WSD
Trichloroethylene	9.5	0.020		51	0.11	0.4	8/9/14	6:39	WSD
Trichlorofluoromethane (Freon 11)	13	0.20		73	1.1	4	8/12/14	0:04	WSD
Trichlorofluoromethane (Freon 11)	13	0.020		71	0.11	0.4	8/9/14	6:39	WSD
1,2,4-Trimethylbenzene	0.41	0.020		2.0	0.098	0.4	8/9/14	6:39	WSD
1,2,4-Trimethylbenzene	0.36	0.20		1.8	0.98	4	8/12/14	0:04	WSD
1,3,5-Trimethylbenzene	0.083	0.020		0.41	0.098	0.4	8/9/14	6:39	WSD
1,3,5-Trimethylbenzene	ND	0.20		ND	0.98	4	8/12/14	0:04	WSD
Vinyl Chloride	ND	0.020		ND	0.051	0.4	8/9/14	6:39	WSD
Vinyl Chloride	ND	0.20		ND	0.51	4	8/12/14	0:04	WSD
m&p-Xylene	ND	0.40		ND	1.7	4	8/12/14	0:04	WSD
m&p-Xylene	0.34	0.040		1.5	0.17	0.4	8/9/14	6:39	WSD
o-Xylene	0.19	0.020		0.83	0.087	0.4	8/9/14	6:39	WSD
o-Xylene	ND	0.20		ND	0.87	4	8/12/14	0:04	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	117	70-130	8/9/14 6:39
4-Bromofluorobenzene (1)	98.3	70-130	8/12/14 0:04
4-Bromofluorobenzene (2)	115	70-130	8/9/14 6:39
4-Bromofluorobenzene (2)	97.3	70-130	8/12/14 0:04

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: Rooftop Fan 3
Sample ID: 14H0122-16
 Sample Matrix: Air
 Sampled: 8/1/2014 11:50

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1006
 Canister Size: 6 liter
 Flow Controller ID: 4193
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -4
 Receipt Vacuum(in Hg): -5.0
 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		Analized		
Acetone	19	0.80	L-05	44	1.9	0.4	8/9/14	7:33	WSD
Acrylonitrile	ND	0.12		ND	0.25	0.4	8/9/14	7:33	WSD
Benzene	0.10	0.020		0.32	0.064	0.4	8/9/14	7:33	WSD
Bromodichloromethane	ND	0.020		ND	0.13	0.4	8/9/14	7:33	WSD
Bromoform	ND	0.020		ND	0.21	0.4	8/9/14	7:33	WSD
2-Butanone (MEK)	1.6	0.80		4.8	2.4	0.4	8/9/14	7:33	WSD
n-Butylbenzene	0.090	0.058	L-03	0.49	0.32	0.4	8/9/14	7:33	WSD
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	8/9/14	7:33	WSD
Carbon Tetrachloride	0.088	0.020		0.55	0.13	0.4	8/9/14	7:33	WSD
Chlorobenzene	ND	0.020		ND	0.092	0.4	8/9/14	7:33	WSD
Chloroethane	0.048	0.020		0.13	0.053	0.4	8/9/14	7:33	WSD
Chloroform	0.56	0.020		2.8	0.098	0.4	8/9/14	7:33	WSD
Chloromethane	ND	0.040		ND	0.083	0.4	8/9/14	7:33	WSD
Dibromochloromethane	ND	0.020		ND	0.17	0.4	8/9/14	7:33	WSD
1,2-Dibromoethane (EDB)	ND	0.020		ND	0.15	0.4	8/9/14	7:33	WSD
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	8/9/14	7:33	WSD
1,3-Dichlorobenzene	1.2	0.020		7.3	0.12	0.4	8/9/14	7:33	WSD
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	8/9/14	7:33	WSD
Dichlorodifluoromethane (Freon 12)	0.35	0.020		1.7	0.099	0.4	8/9/14	7:33	WSD
1,1-Dichloroethane	ND	0.020		ND	0.081	0.4	8/9/14	7:33	WSD
1,2-Dichloroethane	ND	0.010		ND	0.040	0.4	8/9/14	7:33	WSD
1,1-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/9/14	7:33	WSD
cis-1,2-Dichloroethylene	0.12	0.020		0.49	0.079	0.4	8/9/14	7:33	WSD
trans-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/9/14	7:33	WSD
1,2-Dichloropropane	ND	0.020		ND	0.092	0.4	8/9/14	7:33	WSD
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	8/9/14	7:33	WSD
cis-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	8/9/14	7:33	WSD
trans-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	8/9/14	7:33	WSD
Ethylbenzene	0.16	0.020		0.67	0.087	0.4	8/9/14	7:33	WSD
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	8/9/14	7:33	WSD
p-Isopropyltoluene (p-Cymene)	0.098	0.046		0.54	0.25	0.4	8/9/14	7:33	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	8/9/14	7:33	WSD
Methylene Chloride	0.41	0.20		1.4	0.69	0.4	8/9/14	7:33	WSD
4-Methyl-2-pentanone (MIBK)	0.15	0.020	L-03	0.60	0.082	0.4	8/9/14	7:33	WSD
Styrene	0.072	0.020		0.31	0.085	0.4	8/9/14	7:33	WSD
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	8/9/14	7:33	WSD
1,1,2,2-Tetrachloroethane	ND	0.020		ND	0.14	0.4	8/9/14	7:33	WSD

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: Rooftop Fan 3
Sample ID: 14H0122-16
 Sample Matrix: Air
 Sampled: 8/1/2014 11:50

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1006
 Canister Size: 6 liter
 Flow Controller ID: 4193
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -4
 Receipt Vacuum(in Hg): -5.0
 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	15	0.020		100	0.14	0.4	8/9/14	7:33	WSD
Toluene	0.29	0.020		1.1	0.075	0.4	8/9/14	7:33	WSD
1,1,1-Trichloroethane	0.12	0.020		0.68	0.11	0.4	8/9/14	7:33	WSD
1,1,2-Trichloroethane	ND	0.020		ND	0.11	0.4	8/9/14	7:33	WSD
Trichloroethylene	7.6	0.020		41	0.11	0.4	8/9/14	7:33	WSD
Trichlorofluoromethane (Freon 11)	2.2	0.020		12	0.11	0.4	8/9/14	7:33	WSD
1,2,4-Trimethylbenzene	0.68	0.020		3.4	0.098	0.4	8/9/14	7:33	WSD
1,3,5-Trimethylbenzene	0.14	0.020		0.68	0.098	0.4	8/9/14	7:33	WSD
Vinyl Chloride	ND	0.020		ND	0.051	0.4	8/9/14	7:33	WSD
m&p-Xylene	0.50	0.040		2.2	0.17	0.4	8/9/14	7:33	WSD
o-Xylene	0.26	0.020		1.1	0.087	0.4	8/9/14	7:33	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	121	70-130	8/9/14 7:33
4-Bromofluorobenzene (2)	119	70-130	8/9/14 7:33

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: Ambient Outdoor
Sample ID: 14H0122-17
 Sample Matrix: Ambient Air
 Sampled: 8/1/2014 15:37

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1318
 Canister Size: 6 liter
 Flow Controller ID: 4105
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -4
 Receipt Vacuum(in Hg): -4.1
 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		Analized		
Acetone	11	0.80	L-05	27	1.9	0.4	8/9/14	8:26	WSD
Acrylonitrile	ND	0.12		ND	0.25	0.4	8/9/14	8:26	WSD
Benzene	0.18	0.020		0.59	0.064	0.4	8/9/14	8:26	WSD
Bromodichloromethane	ND	0.020		ND	0.13	0.4	8/9/14	8:26	WSD
Bromoform	ND	0.020		ND	0.21	0.4	8/9/14	8:26	WSD
2-Butanone (MEK)	1.7	0.80		5.1	2.4	0.4	8/9/14	8:26	WSD
n-Butylbenzene	ND	0.058	L-03	ND	0.32	0.4	8/9/14	8:26	WSD
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	8/9/14	8:26	WSD
Carbon Tetrachloride	0.067	0.020		0.42	0.13	0.4	8/9/14	8:26	WSD
Chlorobenzene	ND	0.020		ND	0.092	0.4	8/9/14	8:26	WSD
Chloroethane	ND	0.020		ND	0.053	0.4	8/9/14	8:26	WSD
Chloroform	1.2	0.020		6.0	0.098	0.4	8/9/14	8:26	WSD
Chloromethane	ND	0.040		ND	0.083	0.4	8/9/14	8:26	WSD
Dibromochloromethane	ND	0.020		ND	0.17	0.4	8/9/14	8:26	WSD
1,2-Dibromoethane (EDB)	ND	0.020		ND	0.15	0.4	8/9/14	8:26	WSD
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	8/9/14	8:26	WSD
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	8/9/14	8:26	WSD
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	8/9/14	8:26	WSD
Dichlorodifluoromethane (Freon 12)	0.34	0.020		1.7	0.099	0.4	8/9/14	8:26	WSD
1,1-Dichloroethane	ND	0.020		ND	0.081	0.4	8/9/14	8:26	WSD
1,2-Dichloroethane	ND	0.010		ND	0.040	0.4	8/9/14	8:26	WSD
1,1-Dichloroethylene	ND	0.020		ND	0.079	0.4	8/9/14	8:26	WSD
cis-1,2-Dichloroethylene	0.041	0.020		0.16	0.079	0.4	8/9/14	8:26	WSD
trans-1,2-Dichloroethylene	0.023	0.020		0.090	0.079	0.4	8/9/14	8:26	WSD
1,2-Dichloropropane	ND	0.020		ND	0.092	0.4	8/9/14	8:26	WSD
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	8/9/14	8:26	WSD
cis-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	8/9/14	8:26	WSD
trans-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	8/9/14	8:26	WSD
Ethylbenzene	0.064	0.020		0.28	0.087	0.4	8/9/14	8:26	WSD
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	8/9/14	8:26	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	8/9/14	8:26	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	8/9/14	8:26	WSD
Methylene Chloride	0.64	0.20		2.2	0.69	0.4	8/9/14	8:26	WSD
4-Methyl-2-pentanone (MIBK)	0.15	0.020	L-03	0.62	0.082	0.4	8/9/14	8:26	WSD
Styrene	ND	0.020		ND	0.085	0.4	8/9/14	8:26	WSD
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	8/9/14	8:26	WSD
1,1,2,2-Tetrachloroethane	ND	0.020		ND	0.14	0.4	8/9/14	8:26	WSD

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/4/2014
Field Sample #: Ambient Outdoor
Sample ID: 14H0122-17
 Sample Matrix: Ambient Air
 Sampled: 8/1/2014 15:37

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1318
 Canister Size: 6 liter
 Flow Controller ID: 4105
 Sample Type: 30 min

Work Order: 14H0122
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -4
 Receipt Vacuum(in Hg): -4.1
 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	2.2	0.020		15	0.14	0.4	8/9/14	8:26	WSD
Toluene	0.17	0.020		0.65	0.075	0.4	8/9/14	8:26	WSD
1,1,1-Trichloroethane	ND	0.020		ND	0.11	0.4	8/9/14	8:26	WSD
1,1,2-Trichloroethane	ND	0.020		ND	0.11	0.4	8/9/14	8:26	WSD
Trichloroethylene	0.20	0.020		1.1	0.11	0.4	8/9/14	8:26	WSD
Trichlorofluoromethane (Freon 11)	0.27	0.020		1.5	0.11	0.4	8/9/14	8:26	WSD
1,2,4-Trimethylbenzene	0.24	0.020		1.2	0.098	0.4	8/9/14	8:26	WSD
1,3,5-Trimethylbenzene	0.046	0.020		0.23	0.098	0.4	8/9/14	8:26	WSD
Vinyl Chloride	ND	0.020		ND	0.051	0.4	8/9/14	8:26	WSD
m&p-Xylene	0.23	0.040		0.99	0.17	0.4	8/9/14	8:26	WSD
o-Xylene	0.13	0.020		0.56	0.087	0.4	8/9/14	8:26	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	121	70-130	8/9/14 8:26
4-Bromofluorobenzene (2)	117	70-130	8/9/14 8:26

Sample Extraction Data

Prep Method: TO-15 Prep-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
14H0122-01 [Gymnasium]	B102391	1	1	N/A	1000	400	1000	08/08/14
14H0122-02 [Cafeteria]	B102391	1	1	N/A	1000	400	1000	08/08/14
14H0122-03 [Kitchen Storage]	B102391	1	1	N/A	1000	400	1000	08/08/14
14H0122-04 [Elevator Hallway]	B102391	1.5	1	N/A	1000	400	1000	08/08/14
14H0122-05 [Room 145]	B102391	1	1	N/A	1000	400	1000	08/08/14
14H0122-06 [Room 152]	B102391	1	1	N/A	1000	400	1000	08/08/14
14H0122-07 [Room 118]	B102391	1	1	N/A	1000	400	1000	08/08/14
14H0122-08 [Room 110]	B102391	1	1	N/A	1000	400	1000	08/08/14
14H0122-09 [MP-1]	B102391	1	1	N/A	1000	400	1000	08/08/14
14H0122-10 [MP-3]	B102391	1.5	1	N/A	1000	400	1000	08/08/14
14H0122-11 [MP-4]	B102391	1.5	1	N/A	1000	400	1000	08/08/14
14H0122-12 [IMP-1]	B102391	1	1	N/A	1000	400	1000	08/08/14
14H0122-13 [IMP-2]	B102391	1	1	N/A	1000	400	1000	08/08/14
14H0122-14 [Rooftop Fan 1]	B102391	1	1	N/A	1000	400	1000	08/08/14
14H0122-15 [Rooftop Fan 2]	B102391	1	1	N/A	1000	400	1000	08/08/14
14H0122-16 [Rooftop Fan 3]	B102391	1	1	N/A	1000	400	1000	08/08/14
14H0122-17 [Ambient Outdoor]	B102391	1	1	N/A	1000	400	1000	08/08/14

Prep Method: TO-15 Prep-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
14H0122-05RE1 [Room 145]	B102393	1	1	N/A	1000	400	100	08/11/14
14H0122-10RE1 [MP-3]	B102393	1.5	1	N/A	1000	400	150	08/11/14
14H0122-11RE1 [MP-4]	B102393	1.5	1	N/A	1000	400	150	08/11/14
14H0122-13RE1 [IMP-2]	B102393	1	1	N/A	1000	400	100	08/11/14
14H0122-14RE1 [Rooftop Fan 1]	B102393	1	1	N/A	1000	400	100	08/11/14
14H0122-15RE1 [Rooftop Fan 2]	B102393	1	1	N/A	1000	400	100	08/11/14

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
	Results	RL	Results	RL							
Batch B102391 - TO-15 Prep											
Blank (B102391-BLK1)											
						Prepared & Analyzed: 08/08/14					
Acetone	ND	1.0									L-05
Acrylonitrile	ND	0.14									
Benzene	ND	0.025									
Bromodichloromethane	ND	0.025									
Bromoform	ND	0.025									
2-Butanone (MEK)	ND	1.0									
n-Butylbenzene	ND	0.072									L-03
sec-Butylbenzene	ND	0.057									
Carbon Tetrachloride	ND	0.025									
Chlorobenzene	ND	0.025									
Chloroethane	ND	0.025									
Chloroform	ND	0.025									
Chloromethane	ND	0.050									
Dibromochloromethane	ND	0.025									
1,2-Dibromoethane (EDB)	ND	0.025									
1,2-Dichlorobenzene	ND	0.025									
1,3-Dichlorobenzene	ND	0.025									
1,4-Dichlorobenzene	ND	0.025									
Dichlorodifluoromethane (Freon 12)	ND	0.025									
1,1-Dichloroethane	ND	0.025									
1,2-Dichloroethane	ND	0.012									
1,1-Dichloroethylene	ND	0.025									
cis-1,2-Dichloroethylene	ND	0.025									
trans-1,2-Dichloroethylene	ND	0.025									
1,2-Dichloropropane	ND	0.025									
1,3-Dichloropropane	ND	0.068									
cis-1,3-Dichloropropene	ND	0.025									
trans-1,3-Dichloropropene	ND	0.025									
Ethylbenzene	ND	0.025									
Isopropylbenzene (Cumene)	ND	0.064									
p-Isopropyltoluene (p-Cymene)	ND	0.057									
Methyl tert-Butyl Ether (MTBE)	ND	0.025									
Methylene Chloride	ND	0.25									
4-Methyl-2-pentanone (MIBK)	ND	0.025									L-03
Styrene	ND	0.025									
1,1,1,2-Tetrachloroethane	ND	0.046									
1,1,2,2-Tetrachloroethane	ND	0.025									
Tetrachloroethylene	ND	0.025									
Toluene	ND	0.025									
1,1,1-Trichloroethane	ND	0.025									
1,1,2-Trichloroethane	ND	0.025									
Trichloroethylene	ND	0.025									
Trichlorofluoromethane (Freon 11)	ND	0.025									
1,2,4-Trimethylbenzene	ND	0.025									
1,3,5-Trimethylbenzene	ND	0.025									
Vinyl Chloride	ND	0.025									

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 B102391 - TO-15 Prep											
Blank (B102391-BLK1)						Prepared & Analyzed: 08/08/14					
m&p-Xylene	ND	0.050									
o-Xylene	ND	0.025									
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	8.22				8.00	103	70-130				
<i>Surrogate: 4-Bromofluorobenzene (2)</i>	7.02				8.00	87.8	70-130				
LCS (B102391-BS1)						Prepared & Analyzed: 08/08/14					
Acetone	7.08				5.00	142 *	70-130				L-05
Acrylonitrile	5.70				2.88	198 *	70-130				L-05, V-06
Benzene	3.78				5.00	75.6	70-130				
Bromodichloromethane	3.96				5.00	79.3	70-130				
Bromoform	5.02				5.00	100	70-130				
2-Butanone (MEK)	4.33				5.00	86.6	70-130				
n-Butylbenzene	0.674				1.14	59.1 *	70-130				L-03
sec-Butylbenzene	0.951				1.14	83.4	70-130				
Carbon Tetrachloride	3.91				5.00	78.3	70-130				
Chlorobenzene	4.26				5.00	85.2	70-130				
Chloroethane	5.15				5.00	103	70-130				
Chloroform	4.69				5.00	93.8	70-130				
Chloromethane	4.34				5.00	86.8	70-130				
Dibromochloromethane	4.48				5.00	89.7	70-130				
1,2-Dibromoethane (EDB)	4.36				5.00	87.2	70-130				
1,2-Dichlorobenzene	5.08				5.00	102	70-130				
1,3-Dichlorobenzene	4.97				5.00	99.3	70-130				
1,4-Dichlorobenzene	4.87				5.00	97.4	70-130				
Dichlorodifluoromethane (Freon 12)	4.93				5.00	98.6	70-130				
1,1-Dichloroethane	4.44				5.00	88.7	70-130				
1,2-Dichloroethane	4.36				5.00	87.1	70-130				
1,1-Dichloroethylene	4.30				5.00	86.1	70-130				
cis-1,2-Dichloroethylene	4.45				5.00	89.0	70-130				
trans-1,2-Dichloroethylene	4.31				5.00	86.2	70-130				
1,2-Dichloropropane	3.69				5.00	73.7	70-130				
1,3-Dichloropropane	1.22				1.35	90.6	70-130				
cis-1,3-Dichloropropene	3.92				5.00	78.5	70-130				
trans-1,3-Dichloropropene	3.96				5.00	79.3	70-130				
Ethylbenzene	4.12				5.00	82.4	70-130				
Isopropylbenzene (Cumene)	1.14				1.27	90.0	70-130				
p-Isopropyltoluene (p-Cymene)	0.897				1.14	78.7	70-130				
Methyl tert-Butyl Ether (MTBE)	4.45				5.00	89.0	70-130				
Methylene Chloride	3.96				5.00	79.2	70-130				
4-Methyl-2-pentanone (MIBK)	3.35				5.00	66.9 *	70-130				L-03
Styrene	4.16				5.00	83.2	70-130				
1,1,1,2-Tetrachloroethane	0.871				0.910	95.7	70-130				
1,1,2,2-Tetrachloroethane	4.44				5.00	88.7	70-130				
Tetrachloroethylene	4.78				5.00	95.5	70-130				
Toluene	4.06				5.00	81.1	70-130				
1,1,1-Trichloroethane	3.79				5.00	75.8	70-130				
1,1,2-Trichloroethane	4.28				5.00	85.6	70-130				

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	Limits	Limit		
Batch B102391 - TO-15 Prep											
LCS (B102391-BS1)						Prepared & Analyzed: 08/08/14					
Trichloroethylene	3.89				5.00		77.7	70-130			
Trichlorofluoromethane (Freon 11)	4.80				5.00		95.9	70-130			
1,2,4-Trimethylbenzene	4.43				5.00		88.6	70-130			
1,3,5-Trimethylbenzene	4.44				5.00		88.7	70-130			
Vinyl Chloride	4.71				5.00		94.3	70-130			
m&p-Xylene	8.37				10.0		83.7	70-130			
o-Xylene	4.22				5.00		84.4	70-130			
Surrogate: 4-Bromofluorobenzene (1)	9.65				8.00		121	70-130			
Surrogate: 4-Bromofluorobenzene (2)	7.91				8.00		98.9	70-130			
Duplicate (B102391-DUP1)						Source: 14H0122-04 Prepared & Analyzed: 08/08/14					
Acetone	16	1.2	38	2.9		16			2.21	25	L-05
Acrylonitrile	ND	0.17	ND	0.37		ND				25	
Benzene	0.27	0.030	0.86	0.096		0.26			4.56	25	
Bromodichloromethane	ND	0.030	ND	0.20		ND				25	
Bromoform	ND	0.030	ND	0.31		ND				25	
2-Butanone (MEK)	1.3	1.2	3.8	3.5		1.2			4.92	25	
n-Butylbenzene	0.032	0.086	0.18	0.47		ND				25	L-03
sec-Butylbenzene	ND	0.068	ND	0.38		ND				25	
Carbon Tetrachloride	0.079	0.030	0.49	0.19		0.073			7.94	25	
Chlorobenzene	ND	0.030	ND	0.14		ND				25	
Chloroethane	ND	0.030	ND	0.079		ND				25	
Chloroform	0.26	0.030	1.3	0.15		0.25			4.20	25	
Chloromethane	ND	0.060	ND	0.12		ND				25	
Dibromochloromethane	ND	0.030	ND	0.26		ND				25	
1,2-Dibromoethane (EDB)	ND	0.030	ND	0.23		ND				25	
1,2-Dichlorobenzene	ND	0.030	ND	0.18		ND				25	
1,3-Dichlorobenzene	ND	0.030	ND	0.18		ND				25	
1,4-Dichlorobenzene	ND	0.030	ND	0.18		ND				25	
Dichlorodifluoromethane (Freon 12)	0.34	0.030	1.7	0.15		0.33			3.08	25	
1,1-Dichloroethane	ND	0.030	ND	0.12		ND				25	
1,2-Dichloroethane	ND	0.015	ND	0.061		ND				25	
1,1-Dichloroethylene	ND	0.030	ND	0.12		ND				25	
cis-1,2-Dichloroethylene	ND	0.030	ND	0.12		ND				25	
trans-1,2-Dichloroethylene	ND	0.030	ND	0.12		ND				25	
1,2-Dichloropropane	ND	0.030	ND	0.14		ND				25	
1,3-Dichloropropane	ND	0.081	ND	0.37		ND				25	
cis-1,3-Dichloropropene	ND	0.030	ND	0.14		ND				25	
trans-1,3-Dichloropropene	ND	0.030	ND	0.14		ND				25	
Ethylbenzene	0.093	0.030	0.40	0.13		0.092			1.30	25	
Isopropylbenzene (Cumene)	ND	0.076	ND	0.37		ND				25	
p-Isopropyltoluene (p-Cymene)	0.030	0.068	0.16	0.38		ND				25	
Methyl tert-Butyl Ether (MTBE)	ND	0.030	ND	0.11		ND				25	
Methylene Chloride	0.56	0.30	2.0	1.0		0.53			5.15	25	
4-Methyl-2-pentanone (MIBK)	ND	0.030	ND	0.12		0.092				25	L-03
Styrene	0.050	0.030	0.21	0.13		0.050			1.20	25	
1,1,1,2-Tetrachloroethane	ND	0.055	ND	0.37		ND				25	

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		
Batch B102391 - TO-15 Prep										
Duplicate (B102391-DUP1)		Source: 14H0122-04				Prepared & Analyzed: 08/08/14				
1,1,2,2-Tetrachloroethane	ND	0.030	ND	0.21		ND				25
Tetrachloroethylene	0.14	0.030	0.95	0.20		0.14		2.11		25
Toluene	1.3	0.030	4.8	0.11		1.2		6.94		25
1,1,1-Trichloroethane	ND	0.030	ND	0.16		ND				25
1,1,2-Trichloroethane	ND	0.030	ND	0.16		ND				25
Trichloroethylene	0.032	0.030	0.17	0.16		0.032		1.87		25
Trichlorofluoromethane (Freon 11)	0.30	0.030	1.7	0.17		0.29		2.03		25
1,2,4-Trimethylbenzene	0.28	0.030	1.4	0.15		0.27		1.30		25
1,3,5-Trimethylbenzene	0.061	0.030	0.30	0.15		0.058		4.04		25
Vinyl Chloride	ND	0.030	ND	0.077		ND				25
m&p-Xylene	0.30	0.060	1.3	0.26		0.28		4.36		25
o-Xylene	0.16	0.030	0.71	0.13		0.16		1.10		25
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	<i>10.0</i>					<i>8.00</i>		<i>125</i>		<i>70-130</i>
<i>Surrogate: 4-Bromofluorobenzene (2)</i>	<i>9.79</i>					<i>8.00</i>		<i>122</i>		<i>70-130</i>

Batch B102393 - TO-15 Prep

Blank (B102393-BLK1)		Prepared & Analyzed: 08/11/14								
Acetone	ND	2.0								
Acrylonitrile	ND	0.29								
Benzene	ND	0.050								
Bromodichloromethane	ND	0.050								
Bromoform	ND	0.050								
2-Butanone (MEK)	ND	2.0								
n-Butylbenzene	ND	0.14								
sec-Butylbenzene	ND	0.11								
Carbon Tetrachloride	ND	0.050								
Chlorobenzene	ND	0.050								
Chloroethane	ND	0.050								
Chloroform	ND	0.050								
Chloromethane	ND	0.10								
Dibromochloromethane	ND	0.050								
1,2-Dibromoethane (EDB)	ND	0.050								
1,2-Dichlorobenzene	ND	0.050								
1,3-Dichlorobenzene	ND	0.050								
1,4-Dichlorobenzene	ND	0.050								
Dichlorodifluoromethane (Freon 12)	ND	0.050								
1,1-Dichloroethane	ND	0.050								
1,2-Dichloroethane	ND	0.025								
1,1-Dichloroethylene	ND	0.050								
cis-1,2-Dichloroethylene	ND	0.050								
trans-1,2-Dichloroethylene	ND	0.050								
1,2-Dichloropropane	ND	0.050								
1,3-Dichloropropane	ND	0.14								
cis-1,3-Dichloropropene	ND	0.050								
trans-1,3-Dichloropropene	ND	0.050								
Ethylbenzene	ND	0.050								

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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 B102393 - TO-15 Prep

Blank (B102393-BLK1)

Prepared & Analyzed: 08/11/14

Isopropylbenzene (Cumene)	ND	0.13									
p-Isopropyltoluene (p-Cymene)	ND	0.11									
Methyl tert-Butyl Ether (MTBE)	ND	0.050									
Methylene Chloride	ND	0.50									
4-Methyl-2-pentanone (MIBK)	ND	0.050									
Styrene	ND	0.050									
1,1,1,2-Tetrachloroethane	ND	0.091									
1,1,2,2-Tetrachloroethane	ND	0.050									
Tetrachloroethylene	ND	0.050									
Toluene	ND	0.050									
1,1,1-Trichloroethane	ND	0.050									
1,1,2-Trichloroethane	ND	0.050									
Trichloroethylene	ND	0.050									
Trichlorofluoromethane (Freon 11)	ND	0.050									
1,2,4-Trimethylbenzene	ND	0.050									
1,3,5-Trimethylbenzene	ND	0.050									
Vinyl Chloride	ND	0.050									
m&p-Xylene	ND	0.10									
o-Xylene	ND	0.050									
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	<i>7.76</i>				<i>8.00</i>		<i>97.1</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene (2)</i>	<i>7.45</i>				<i>8.00</i>		<i>93.1</i>	<i>70-130</i>			

LCS (B102393-BS1)

Prepared & Analyzed: 08/11/14

Acetone	6.13				5.00		123	70-130			
Acrylonitrile	3.94				2.88		137 *	70-130			L-05
Benzene	4.02				5.00		80.4	70-130			
Bromodichloromethane	4.25				5.00		84.9	70-130			
Bromoform	4.64				5.00		92.7	70-130			
2-Butanone (MEK)	5.39				5.00		108	70-130			
n-Butylbenzene	1.24				1.14		109	70-130			
sec-Butylbenzene	1.27				1.14		111	70-130			
Carbon Tetrachloride	4.41				5.00		88.1	70-130			
Chlorobenzene	4.37				5.00		87.4	70-130			
Chloroethane	5.02				5.00		100	70-130			
Chloroform	4.35				5.00		86.9	70-130			
Chloromethane	4.46				5.00		89.1	70-130			
Dibromochloromethane	4.45				5.00		89.0	70-130			
1,2-Dibromoethane (EDB)	4.13				5.00		82.6	70-130			
1,2-Dichlorobenzene	4.77				5.00		95.4	70-130			
1,3-Dichlorobenzene	4.76				5.00		95.3	70-130			
1,4-Dichlorobenzene	4.70				5.00		94.1	70-130			
Dichlorodifluoromethane (Freon 12)	4.39				5.00		87.7	70-130			
1,1-Dichloroethane	4.22				5.00		84.4	70-130			
1,2-Dichloroethane	4.51				5.00		90.2	70-130			
1,1-Dichloroethylene	4.39				5.00		87.8	70-130			
cis-1,2-Dichloroethylene	4.18				5.00		83.7	70-130			
trans-1,2-Dichloroethylene	4.15				5.00		83.0	70-130			

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

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 B102393 - TO-15 Prep											
LCS (B102393-BS1)						Prepared & Analyzed: 08/11/14					
1,2-Dichloropropane	3.73				5.00		74.6	70-130			
1,3-Dichloropropane	1.50				1.35		111	70-130			
cis-1,3-Dichloropropene	4.53				5.00		90.5	70-130			
trans-1,3-Dichloropropene	4.65				5.00		93.0	70-130			
Ethylbenzene	4.72				5.00		94.4	70-130			
Isopropylbenzene (Cumene)	1.48				1.27		116	70-130			
p-Isopropyltoluene (p-Cymene)	1.27				1.14		111	70-130			
Methyl tert-Butyl Ether (MTBE)	4.80				5.00		95.9	70-130			
Methylene Chloride	4.09				5.00		81.9	70-130			
4-Methyl-2-pentanone (MIBK)	5.14				5.00		103	70-130			
Styrene	4.84				5.00		96.8	70-130			
1,1,1,2-Tetrachloroethane	1.11				0.910		122	70-130			
1,1,2,2-Tetrachloroethane	4.05				5.00		81.0	70-130			
Tetrachloroethylene	4.40				5.00		88.0	70-130			
Toluene	4.53				5.00		90.7	70-130			
1,1,1-Trichloroethane	4.36				5.00		87.3	70-130			
1,1,2-Trichloroethane	4.01				5.00		80.2	70-130			
Trichloroethylene	4.06				5.00		81.2	70-130			
Trichlorofluoromethane (Freon 11)	5.71				5.00		114	70-130			
1,2,4-Trimethylbenzene	4.82				5.00		96.4	70-130			
1,3,5-Trimethylbenzene	4.99				5.00		99.8	70-130			
Vinyl Chloride	4.91				5.00		98.2	70-130			
m&p-Xylene	10.0				10.0		100	70-130			
o-Xylene	4.72				5.00		94.3	70-130			
Surrogate: 4-Bromofluorobenzene (1)	8.15				8.00		102	70-130			
Surrogate: 4-Bromofluorobenzene (2)	8.26				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
- 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.
- E Reported result is estimated. Value reported over verified calibration range.
 - L-03 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.
 - 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 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.

CERTIFICATIONS

Certified Analyses included in this Report

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
---------	----------------

EPA TO-15 in Air

o-Xylene AIHA,FL,NJ,NY,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2015
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2015
RI	Rhode Island Department of Health	LAO00112	12/30/2014
NC	North Carolina Div. of Water Quality	652	12/31/2014
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2015
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2014
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014



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

REC'D
 14H0122

AIR SAMPLE CHAIN OF CUSTODY
 39 SPRUCE ST
 EAST LONGMEADOW, MA 01028

Page 1 of 3
 DOC#284
 Rev. Feb 2014

Company Name: EA Env.
 Address: 2374 Post Rd Suite 102
Warwick RI 02886

Attention: Ron Mack
 Project Location: Alvarez
 Sampled By: C. Swanson / D. Allen

Proposal Provided? (For Billing purposes)
 yes no

Telephone: (401) 287-0371
 Project # 15066.01
 Client PO # _____

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT

Fax #: _____
 Email: rmack@east.ri
 Format: EXCEL PDF GIS KEY OTHER _____

Field ID	Sample Description	Media	Lab #	Date Time	Stop Date Time	Total Minutes Sampled	Flow Rate M ³ /Min. or L/Min.	Volume Liters or M ³	Matrix Code*	ANALYSIS REQUESTED	"Hg		Summa Canister ID	Flow Control ID
											1	2		
	Gymnasium	S/TA	01	8-1-14 11:04	8-1-14 11:34	30			1A				1719	4192
	Cafeteria		02			30							1674	4190
	Kitchen Storage		03			32							1633	4191
	Elevator Hallway		04			31							1075	4072
	Room 145		05			34							1713	4106
	Room 152		06			34							1294	4071
	Room 110		07			32							1025	4199
	Room 110		08			30							1090	4090

CLIENT COMMENTS:

Relinquished by (signature) _____ Date/Time: 8-4-14 11:47
 Received by (signature) _____ Date/Time: 8/1/14 11:47
 Relinquished by (signature) _____ Date/Time: 8/4/14 2:11
 Received by (signature) _____ Date/Time: 8.4.14 14:14

Turnaround 7-Day 10-Bdy Other _____
 24-Hr 48-Hr 72-Hr 4-Day
 RUSH * Approval Required

Special Requirements: CT Target Analytes
 Regulations: CT Target Analytes
 Data Enhancement/RCP? Y N
 Enhanced Data Package Y N
 Required Detection Limits: Per contract
 Other: 1.2 PPA Reporting limit 15
0.04 ug/m³

*Matrix Code: SG= SOIL GAS IA= INDOOR AIR
 *Media Codes: S= summa can T= tedlar bag
 P= PUF T= tube F= filter C= cassette
 O= other

TURNAROUND TIME STARTS AT 8:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT. NELAC & AIHA-LAP, LLC Accredited/WBE/DBE Certified



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

REC'D
 14H0122

AIR SAMPLE CHAIN OF CUSTODY
 39 SPRUCE ST
 EAST LONGMEADOW, MA 01028

Page 2 of 3
 DOC#284
 Rev. Feb 2014

Company Name: EA Engineering
 Address: 2374 Post Rd, Suite 102
 Warwick, RI 02886

Attention: Ron Mack
 Project Location: Alvarez
 Sampled By: C. Swanson / D. Allen

Proposal Provided? (F or Billing purposes)
 Yes No

Telephone: 401-736-9440
 Project # 15066.01
 Client PO #

DATA DELIVERY (check one)
 FAX EMAIL WEBSITE CLIENT

Fax #: _____
 Email: r_mack@eaest.com
 Format: EXCEL PDF GIS KEY OTHER

Field ID	Sample Description	Media	Lab #	Date	Time	Start	Stop	Total	Flow Rate	Volume	Matrix	Code*	ANALYSIS REQUESTED	
													Minutes Sampled	M ³ /min or L/Min.
MP-1		S	09	8-1-14	8-1-14	1455	1536	31			SS	X	X	
MP-3			10	1448	1517	1448	1517	29				X	X	
MP-4			19	1549	1620	1549	1620	31				X	X	
IMP-1			12	1244	1315	1244	1315	31				X	X	
IMP-2			13	1214	1245	1214	1245	31				X	X	
RoofTop Fan 1			14	1341	1413	1341	1413	32				X	X	
RoofTop Fan 2			15	1332	1404	1332	1404	32				X	X	
RoofTop Fan 3			16	1117	1150	1117	1150	33				X	X	

Laboratory Comments:

CLIENT COMMENTS:

Relinquished by (signature): *[Signature]* Date/Time: 8/14/14 11:17
 Received by (signature): *[Signature]* Date/Time: 8/14/14 11:49
 Relinquished by (signature): *[Signature]* Date/Time: 8/14/14 2:14
 Received by (signature): *[Signature]* Date/Time: 8-14-14 14:14

Turnaround **
 7-Day
 10-Day
 Other _____
 RUSH *
 *24-Hr *48-Hr
 *72-Hr *4-Day
 Approval Required

Special Requirements
 Regulations: see page 10, 3
 Data Enhancement/RCP? Y N
 Enhanced Data Package Y N
 (Surcharge Applies)
 Required Detection Limits: _____
 Other: _____

Matrix Code: SG = SOIL GAS
 IA = INDOOR AIR
 AMB = AMBIENT
 SS = SUB SLAB
 D = DUP
 BL = BLANK
 O = other
 Media Codes: S = summa can
 T = Tedlar bag
 P = PUF
 T = tube
 F = filter
 C = cassette
 O = Other

** TURNAROUND TIME STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAM. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT. NELAC & AIHA-LAP, LLC Accredited/WBE/DBE Certified



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

14H0122

AIR SAMPLE CHAIN OF CUSTODY
 RECORD
 39 SPRUCE ST
 EAST LONGMEADOW, MA 01028

Page 3 of 3
 DOC#284
 Rev. Feb 2014

Company Name: EA Engineering
 Address: 23 ~~RD~~ 74 Post Rd, Suite 102
 Warwick, RI 02886

Attention: Ron Mack
 Project Location: Alvarez
 Sampled By: A.S. Swanson / D. Allen

Proposal Provided? (F or Billing purposes)
 yes no

Telephone: 401-736-3440
 Project #: 15066.01
 Client PO #

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT

Fax #: 401-736-3440
 Email: rmack@contest.com
 Format: EXCEL PDF GIS KEY OTHER

Date Sampled ONLY USE WHEN USING PUMPS

Field ID	Sample Description	Media	Lab #
	Ambient Outdoor Air	S	17

Start Date Time	Stop Date Time	Total Minutes Sampled	Flow Rate M ³ /Min. or L/Min.	Volume Liters or M ³	Matrix Code ¹
8-1-14 1500	8-1-14 1537	37			Amb

To-15 SIM

Laboratory Comments:

CLIENT COMMENTS:

Field ID	Sample Description	Media	Lab #	Start Date Time	Stop Date Time	Total Minutes Sampled	Flow Rate M ³ /Min. or L/Min.	Volume Liters or M ³	Matrix Code ¹	Summa Canister ID	Flow Control ID
	Ambient Outdoor Air	S	17	8-1-14 1500	8-1-14 1537	37			Amb	411318	4105

ANALYSIS REQUESTED

"Hg

1 n i i i f
 1 b d r p t
 Summa canisters are returned within 14 days of receipt or rental fee will apply.
 For summa canister and flow controller information please refer to Con-Test's Media Agreement.

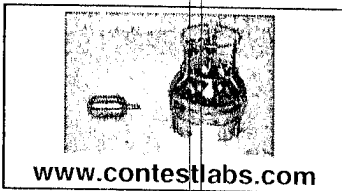
Relinquished by (signature) [Signature]
 Received by (signature) [Signature]
 Relinquished by (signature) [Signature]
 Received by (signature) [Signature]

Turnaround 7-Day
 10-Day
 Other
 RUSH *24-Hr *48-Hr *72-Hr *4-Day
 Approval Required

Special Requirements
 Regulations: see page 1 of 3
 Data Enhancement/RCP? Y N
 Enhanced Data Package Y N
 Required Detection Limits: _____
 Other: _____

*Matrix Code: SG= SOIL GAS IA= INDOOR AIR AMB= AMBIENT SS= SUB SLAB D= DUP BL= BLANK O= other
 *Media Codes: S= summa can T= Tedlar bag P= P-UF T= tube F= filter C= cassette O= Other

** TURNAROUND TIME STARTS AT 9:00 AM. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT. NELAC & AIHA-LAP, LLC Accredited/WBE/DBE Certified



39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

AIR Only Receipt Checklist

CLIENT NAME: EA Engineering RECEIVED BY: PB DATE: 8-4-14

- 1) Was the chain(s) of custody relinquished and signed? Yes No
- 2) Does the chain agree with the samples?
If not, explain: Yes No
- 3) Are all the samples in good condition?
If not, explain: Yes No
- 4) Are there any samples "On Hold"? Yes No Stored where:
- 5) Are there any RUSH or SHORT HOLDING TIME samples?
Who was notified _____ Date _____ Time _____
Yes No

6) Location where samples are stored: Air Lab
 Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature: _____

7) Number of cans Individually Certified or Batch Certified? None

Containers received at Con-Test			
		# of Containers	Types (Size, Duration)
Summa Cans (TO-14/TO-15/APH)		17	6 Lit
Tedlar Bags			
TO-17 Tubes			
Regulators		17	30 min
Restrictors			
Hg/Hopcalite Tube (NIOSH 6009)			
(TO-4A/ TO-10A/TO-13) PUFs			
PCB Florisil Tubes (NIOSH 5503)			
Air cassette			
PM 2.5/PM 10			
TO-11A Cartridges			
Other			

Unused Summas/PUF Media:

Unused Regulators:

- 1) Was all media (used & unused) checked into the WASP?
- 2) Were all returned summa cans, Restrictors & Regulators and PUF's documented as returned in the Air Lab Inbound/Outbound Excel Spreadsheet?

Laboratory Comments:

1719	1713	1318	1172	4196	4090	4105	4181	4073
1674	1294	1006	1020	4197	4091	4106	4194	
1633	1025	1717	1045	4076	4192	4199	4195	
1075	1090	1845	1853	4077	4193	4181	4072	
			1024					

Page 2 of 2

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

Question	Answer (True/False)		Comment
	T	F/NA	
1) The cooler's custody seal, if present, is intact.		NA	
2) The cooler or samples do not appear to have been compromised or tampered with.		NA	
3) Samples were received on ice.		NA	
4) Cooler Temperature is acceptable.		NA	
5) Cooler Temperature is recorded.		NA	
6) COC is filled out in ink and legible.		T	
7) COC is filled out with all pertinent information.		T	
8) Field Sampler's name present on COC.		T	
9) There are no discrepancies between the sample IDs on the container and the COC.		T	
10) Samples are received within Holding Time.		T	
11) Sample containers have legible labels.		T	
12) Containers are not broken or leaking.		T	
13) Air Cassettes are not broken/open.		NA	
14) Sample collection date/times are provided.		T	
15) Appropriate sample containers are used.		T	
16) Proper collection media used.		T	
17) No headspace sample bottles are completely filled.		NA	
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.		T	
19) Trip blanks provided if applicable.		NA	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.		NA	
21) Samples do not require splitting or compositing.		T	

Doc #278 Rev. 4 January 2014

 Who notified of False statements?
 Log-In Technician Initials: PB

Date/Time:

Date/Time: 8.4.14

10.11.14



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: EA Engineering Science & Tech. - RI

Project Location: Alvarez

Project Number: 14H0122

Laboratory Sample ID(s):

Sample Date(s):

14H0122-01 thru 14H0122-17

08/01/2014

List RCP Methods Used:

EPA TO-15

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5A	Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5B	Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature:

Position: Laboratory Manager

Printed Name: Daren J. Damboragian

Date: 08/13/14

Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

September 11, 2014

Frank Postma
EA Engineering Science & Tech. - RI
2374 Post Road, Suite 102
Warwick, RI 02886

Project Location: Alvarez
Client Job Number:
Project Number: 15066.01
Laboratory Work Order Number: 14H1308

Enclosed are results of analyses for samples received by the laboratory on August 28, 2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Aaron L. Benoit", with a horizontal line extending to the right from the end of the signature.

Aaron L. Benoit
Project Manager

Table of Contents

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

EA Engineering Science & Tech. - RI
2374 Post Road, Suite 102
Warwick, RI 02886
ATTN: Frank Postma

REPORT DATE: 9/11/2014

PURCHASE ORDER NUMBER: 11977

PROJECT NUMBER: 15066.01

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 14H1308

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

PROJECT LOCATION: Alvarez

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MP-6	14H1308-01	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.

Qualifications:

E

Reported result is estimated. Value reported over verified calibration range.

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

14H1308-01[MP-6]

L-03

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.

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

14H1308-01[MP-6], 14H1308-01RE1[MP-6], B104192-BLK1, B104192-BS1, B104193-BLK1, B104193-BS1

1,2-Dichloropropane

14H1308-01RE1[MP-6], B104193-BLK1, B104193-BS1

Chloromethane

14H1308-01RE1[MP-6], B104193-BLK1, B104193-BS1

p-Isopropyltoluene (p-Cymene)

14H1308-01RE1[MP-6], B104193-BLK1, B104193-BS1

sec-Butylbenzene

14H1308-01RE1[MP-6], B104193-BLK1, B104193-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:**Acrylonitrile**

14H1308-01RE1[MP-6], B104193-BLK1, B104193-BS1

S-17

Surrogate recovery is outside of control limits. Data validation is not affected since all associated results are less than the reporting limit and bias is on the high side.

Analyte & Samples(s) Qualified:**4-Bromofluorobenzene (2)**

B104193-BS1

V-05

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.

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

14H1308-01[MP-6], 14H1308-01RE1[MP-6], B104192-BLK1, B104192-BS1, B104193-BLK1, B104193-BS1

1,2-Dichloropropane

14H1308-01RE1[MP-6], B104193-BLK1, B104193-BS1

Chloromethane

14H1308-01RE1[MP-6], B104193-BLK1, B104193-BS1

p-Isopropyltoluene (p-Cymene)

14H1308-01RE1[MP-6], B104193-BLK1, B104193-BS1

sec-Butylbenzene

14H1308-01RE1[MP-6], B104193-BLK1, B104193-BS1

V-06

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.

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

14H1308-01RE1[MP-6], B104193-BLK1, B104193-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 the Con-Test 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.

A handwritten signature in black ink, appearing to read "Tod Kopyscinski". The signature is written in a cursive, somewhat stylized script.

Tod E. Kopyscinski
Laboratory Director

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/28/2014
Field Sample #: MP-6
Sample ID: 14H1308-01
 Sample Matrix: Indoor air
 Sampled: 8/27/2014 09:06

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1065
 Canister Size: 6 liter
 Flow Controller ID: 4038
 Sample Type: 30 min

Work Order: 14H1308
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -6
 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	88	0.80	E	210	1.9	0.4	9/2/14 18:22	WSD	
Acetone	54	20		130	48	10	9/3/14 17:25	WSD	
Acrylonitrile	ND	0.12		ND	0.25	0.4	9/2/14 18:22	WSD	
Acrylonitrile	ND	2.9	V-06, L-05	ND	6.2	10	9/3/14 17:25	WSD	
Benzene	0.22	0.020		0.69	0.064	0.4	9/2/14 18:22	WSD	
Benzene	ND	0.50		ND	1.6	10	9/3/14 17:25	WSD	
Bromodichloromethane	ND	0.010		ND	0.067	0.4	9/2/14 18:22	WSD	
Bromodichloromethane	ND	0.25		ND	1.7	10	9/3/14 17:25	WSD	
Bromoform	ND	0.020		ND	0.21	0.4	9/2/14 18:22	WSD	
Bromoform	ND	0.50		ND	5.2	10	9/3/14 17:25	WSD	
2-Butanone (MEK)	4.0	0.80		12	2.4	0.4	9/2/14 18:22	WSD	
2-Butanone (MEK)	ND	20		ND	59	10	9/3/14 17:25	WSD	
n-Butylbenzene	ND	0.058		ND	0.32	0.4	9/2/14 18:22	WSD	
n-Butylbenzene	ND	1.4		ND	7.9	10	9/3/14 17:25	WSD	
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	9/2/14 18:22	WSD	
sec-Butylbenzene	ND	1.1	V-05, L-03	ND	6.3	10	9/3/14 17:25	WSD	
Carbon Tetrachloride	0.072	0.010		0.45	0.063	0.4	9/2/14 18:22	WSD	
Carbon Tetrachloride	ND	0.25		ND	1.6	10	9/3/14 17:25	WSD	
Chlorobenzene	ND	0.020		ND	0.092	0.4	9/2/14 18:22	WSD	
Chlorobenzene	ND	0.50		ND	2.3	10	9/3/14 17:25	WSD	
Chloroethane	0.027	0.020		0.072	0.053	0.4	9/2/14 18:22	WSD	
Chloroethane	ND	0.50		ND	1.3	10	9/3/14 17:25	WSD	
Chloroform	0.038	0.010		0.19	0.049	0.4	9/2/14 18:22	WSD	
Chloroform	ND	0.25		ND	1.2	10	9/3/14 17:25	WSD	
Chloromethane	0.82	0.040		1.7	0.083	0.4	9/2/14 18:22	WSD	
Chloromethane	ND	1.0	V-05, L-03	ND	2.1	10	9/3/14 17:25	WSD	
Dibromochloromethane	ND	0.010		ND	0.085	0.4	9/2/14 18:22	WSD	
Dibromochloromethane	ND	0.25		ND	2.1	10	9/3/14 17:25	WSD	
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	9/2/14 18:22	WSD	
1,2-Dibromoethane (EDB)	ND	0.25		ND	1.9	10	9/3/14 17:25	WSD	
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	9/2/14 18:22	WSD	
1,2-Dichlorobenzene	ND	0.50		ND	3.0	10	9/3/14 17:25	WSD	
1,3-Dichlorobenzene	0.13	0.020		0.80	0.12	0.4	9/2/14 18:22	WSD	
1,3-Dichlorobenzene	ND	0.50		ND	3.0	10	9/3/14 17:25	WSD	
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	9/2/14 18:22	WSD	
1,4-Dichlorobenzene	ND	0.50		ND	3.0	10	9/3/14 17:25	WSD	
Dichlorodifluoromethane (Freon 12)	0.58	0.020		2.9	0.099	0.4	9/2/14 18:22	WSD	

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/28/2014
Field Sample #: MP-6
Sample ID: 14H1308-01
 Sample Matrix: Indoor air
 Sampled: 8/27/2014 09:06

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1065
 Canister Size: 6 liter
 Flow Controller ID: 4038
 Sample Type: 30 min

Work Order: 14H1308
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -6
 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		
Dichlorodifluoromethane (Freon 12)	0.66	0.50		3.3	2.5	10	9/3/14 17:25		WSD
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	9/2/14 18:22		WSD
1,1-Dichloroethane	ND	0.25		ND	1.0	10	9/3/14 17:25		WSD
1,2-Dichloroethane	ND	0.010		ND	0.040	0.4	9/2/14 18:22		WSD
1,2-Dichloroethane	ND	0.25		ND	1.0	10	9/3/14 17:25		WSD
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	9/2/14 18:22		WSD
1,1-Dichloroethylene	ND	0.25		ND	0.99	10	9/3/14 17:25		WSD
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	9/2/14 18:22		WSD
cis-1,2-Dichloroethylene	ND	0.25		ND	0.99	10	9/3/14 17:25		WSD
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	9/2/14 18:22		WSD
trans-1,2-Dichloroethylene	ND	0.25		ND	0.99	10	9/3/14 17:25		WSD
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	9/2/14 18:22		WSD
1,2-Dichloropropane	ND	0.25	V-05, L-03	ND	1.2	10	9/3/14 17:25		WSD
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	9/2/14 18:22		WSD
1,3-Dichloropropane	ND	1.4		ND	6.2	10	9/3/14 17:25		WSD
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	9/2/14 18:22		WSD
cis-1,3-Dichloropropene	ND	0.25		ND	1.1	10	9/3/14 17:25		WSD
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	9/2/14 18:22		WSD
trans-1,3-Dichloropropene	ND	0.25		ND	1.1	10	9/3/14 17:25		WSD
Ethylbenzene	0.22	0.020		0.96	0.087	0.4	9/2/14 18:22		WSD
Ethylbenzene	ND	0.50		ND	2.2	10	9/3/14 17:25		WSD
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	9/2/14 18:22		WSD
Isopropylbenzene (Cumene)	ND	1.3		ND	6.2	10	9/3/14 17:25		WSD
p-Isopropyltoluene (p-Cymene)	0.070	0.046		0.38	0.25	0.4	9/2/14 18:22		WSD
p-Isopropyltoluene (p-Cymene)	ND	1.1	V-05, L-03	ND	6.3	10	9/3/14 17:25		WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	9/2/14 18:22		WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.50		ND	1.8	10	9/3/14 17:25		WSD
Methylene Chloride	0.83	0.20		2.9	0.69	0.4	9/2/14 18:22		WSD
Methylene Chloride	ND	5.0		ND	17	10	9/3/14 17:25		WSD
4-Methyl-2-pentanone (MIBK)	0.58	0.020		2.4	0.082	0.4	9/2/14 18:22		WSD
4-Methyl-2-pentanone (MIBK)	ND	0.50		ND	2.0	10	9/3/14 17:25		WSD
Styrene	0.63	0.020		2.7	0.085	0.4	9/2/14 18:22		WSD
Styrene	0.69	0.50		2.9	2.1	10	9/3/14 17:25		WSD
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	9/2/14 18:22		WSD
1,1,1,2-Tetrachloroethane	ND	0.91		ND	6.2	10	9/3/14 17:25		WSD
1,1,2,2-Tetrachloroethane	ND	0.010	L-03, V-05	ND	0.069	0.4	9/2/14 18:22		WSD
1,1,2,2-Tetrachloroethane	ND	0.25	V-05, L-03	ND	1.7	10	9/3/14 17:25		WSD

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 8/28/2014
Field Sample #: MP-6
Sample ID: 14H1308-01
 Sample Matrix: Indoor air
 Sampled: 8/27/2014 09:06

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1065
 Canister Size: 6 liter
 Flow Controller ID: 4038
 Sample Type: 30 min

Work Order: 14H1308
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -6
 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 Analyzed	Analyst
	Results	RL		Results	RL			
Tetrachloroethylene	0.36	0.010		2.4	0.068	0.4	9/2/14 18:22	WSD
Tetrachloroethylene	0.52	0.25		3.5	1.7	10	9/3/14 17:25	WSD
Toluene	0.59	0.020		2.2	0.075	0.4	9/2/14 18:22	WSD
Toluene	0.74	0.50		2.8	1.9	10	9/3/14 17:25	WSD
1,1,1-Trichloroethane	0.065	0.010		0.35	0.055	0.4	9/2/14 18:22	WSD
1,1,1-Trichloroethane	ND	0.25		ND	1.4	10	9/3/14 17:25	WSD
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	9/2/14 18:22	WSD
1,1,2-Trichloroethane	ND	0.25		ND	1.4	10	9/3/14 17:25	WSD
Trichloroethylene	0.49	0.010		2.6	0.054	0.4	9/2/14 18:22	WSD
Trichloroethylene	0.64	0.25		3.4	1.3	10	9/3/14 17:25	WSD
Trichlorofluoromethane (Freon 11)	1.3	0.020		7.0	0.11	0.4	9/2/14 18:22	WSD
Trichlorofluoromethane (Freon 11)	1.2	0.50		6.6	2.8	10	9/3/14 17:25	WSD
1,2,4-Trimethylbenzene	0.22	0.020		1.1	0.098	0.4	9/2/14 18:22	WSD
1,2,4-Trimethylbenzene	ND	0.50		ND	2.5	10	9/3/14 17:25	WSD
1,3,5-Trimethylbenzene	0.048	0.020		0.23	0.098	0.4	9/2/14 18:22	WSD
1,3,5-Trimethylbenzene	ND	0.50		ND	2.5	10	9/3/14 17:25	WSD
Vinyl Chloride	ND	0.010		ND	0.026	0.4	9/2/14 18:22	WSD
Vinyl Chloride	ND	0.25		ND	0.64	10	9/3/14 17:25	WSD
m&p-Xylene	0.83	0.040		3.6	0.17	0.4	9/2/14 18:22	WSD
m&p-Xylene	ND	1.0		ND	4.3	10	9/3/14 17:25	WSD
o-Xylene	0.29	0.020		1.3	0.087	0.4	9/2/14 18:22	WSD
o-Xylene	ND	0.50		ND	2.2	10	9/3/14 17:25	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	100	70-130	9/2/14 18:22
4-Bromofluorobenzene (1)	107	70-130	9/3/14 17:25
4-Bromofluorobenzene (2)	87.2	70-130	9/2/14 18:22
4-Bromofluorobenzene (2)	130	70-130	9/3/14 17:25

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Sample Extraction Data

Prep Method: TO-15 Prep-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
14H1308-01 [MP-6]	B104192	1	1	N/A	1000	400	1000	09/02/14

Prep Method: TO-15 Prep-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
14H1308-01RE1 [MP-6]	B104193	1.5	1	N/A	1000	400	60	09/03/14

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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 B104192 - TO-15 Prep

Blank (B104192-BLK1)

Prepared & Analyzed: 09/02/14

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	0.010
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	0.020
1,2,4-Trimethylbenzene	ND	0.020
1,3,5-Trimethylbenzene	ND	0.020
Vinyl Chloride	ND	0.010

L-03, V-05

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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 B104192 - TO-15 Prep											
Blank (B104192-BLK1)						Prepared & Analyzed: 09/02/14					
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>	7.22				8.00		90.3	70-130			
LCS (B104192-BS1)						Prepared & Analyzed: 09/02/14					
Acetone	5.68				5.00		114	70-130			
Acrylonitrile	3.45				2.88		120	70-130			
Benzene	4.06				5.00		81.1	70-130			
Bromodichloromethane	4.29				5.00		85.8	70-130			
Bromoform	4.13				5.00		82.7	70-130			
2-Butanone (MEK)	4.99				5.00		99.8	70-130			
n-Butylbenzene	1.21				1.14		106	70-130			
sec-Butylbenzene	1.13				1.14		99.3	70-130			
Carbon Tetrachloride	4.54				5.00		90.8	70-130			
Chlorobenzene	4.10				5.00		81.9	70-130			
Chloroethane	4.65				5.00		93.0	70-130			
Chloroform	3.87				5.00		77.4	70-130			
Chloromethane	3.90				5.00		78.0	70-130			
Dibromochloromethane	4.36				5.00		87.2	70-130			
1,2-Dibromoethane (EDB)	3.78				5.00		75.6	70-130			
1,2-Dichlorobenzene	3.76				5.00		75.1	70-130			
1,3-Dichlorobenzene	3.93				5.00		78.6	70-130			
1,4-Dichlorobenzene	3.87				5.00		77.4	70-130			
Dichlorodifluoromethane (Freon 12)	4.00				5.00		80.1	70-130			
1,1-Dichloroethane	3.99				5.00		79.8	70-130			
1,2-Dichloroethane	4.25				5.00		85.0	70-130			
1,1-Dichloroethylene	4.25				5.00		85.0	70-130			
cis-1,2-Dichloroethylene	4.05				5.00		81.0	70-130			
trans-1,2-Dichloroethylene	4.00				5.00		80.0	70-130			
1,2-Dichloropropane	3.93				5.00		78.7	70-130			
1,3-Dichloropropane	1.23				1.35		90.9	70-130			
cis-1,3-Dichloropropene	4.46				5.00		89.1	70-130			
trans-1,3-Dichloropropene	4.62				5.00		92.4	70-130			
Ethylbenzene	4.54				5.00		90.7	70-130			
Isopropylbenzene (Cumene)	1.22				1.27		96.1	70-130			
p-Isopropyltoluene (p-Cymene)	1.16				1.14		102	70-130			
Methyl tert-Butyl Ether (MTBE)	4.28				5.00		85.6	70-130			
Methylene Chloride	4.02				5.00		80.4	70-130			
4-Methyl-2-pentanone (MIBK)	5.00				5.00		100	70-130			
Styrene	4.64				5.00		92.8	70-130			
1,1,1,2-Tetrachloroethane	0.872				0.910		95.8	70-130			
1,1,2,2-Tetrachloroethane	3.48				5.00		69.7 *	70-130			L-03, V-05
Tetrachloroethylene	4.26				5.00		85.2	70-130			
Toluene	4.44				5.00		88.8	70-130			
1,1,1-Trichloroethane	4.34				5.00		86.7	70-130			
1,1,2-Trichloroethane	3.95				5.00		79.0	70-130			

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

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 B104192 - TO-15 Prep											
LCS (B104192-BS1)						Prepared & Analyzed: 09/02/14					
Trichloroethylene	3.98				5.00		79.6	70-130			
Trichlorofluoromethane (Freon 11)	3.69				5.00		73.8	70-130			
1,2,4-Trimethylbenzene	4.22				5.00		84.5	70-130			
1,3,5-Trimethylbenzene	4.47				5.00		89.4	70-130			
Vinyl Chloride	4.53				5.00		90.5	70-130			
m&p-Xylene	9.44				10.0		94.4	70-130			
o-Xylene	4.44				5.00		88.8	70-130			
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	8.22				8.00		103	70-130			
<i>Surrogate: 4-Bromofluorobenzene (2)</i>	7.02				8.00		87.8	70-130			
Batch B104193 - TO-15 Prep											
Blank (B104193-BLK1)						Prepared & Analyzed: 09/03/14					
Acetone	ND	1.0									
Acrylonitrile	ND	0.14									L-05, V-06
Benzene	ND	0.025									
Bromodichloromethane	ND	0.012									
Bromoform	ND	0.025									
2-Butanone (MEK)	ND	1.0									
n-Butylbenzene	ND	0.072									
sec-Butylbenzene	ND	0.057									L-03, V-05
Carbon Tetrachloride	ND	0.012									
Chlorobenzene	ND	0.025									
Chloroethane	ND	0.025									
Chloroform	ND	0.012									
Chloromethane	ND	0.050									L-03, V-05
Dibromochloromethane	ND	0.012									
1,2-Dibromoethane (EDB)	ND	0.012									
1,2-Dichlorobenzene	ND	0.025									
1,3-Dichlorobenzene	ND	0.025									
1,4-Dichlorobenzene	ND	0.025									
Dichlorodifluoromethane (Freon 12)	ND	0.025									
1,1-Dichloroethane	ND	0.012									
1,2-Dichloroethane	ND	0.012									
1,1-Dichloroethylene	ND	0.012									
cis-1,2-Dichloroethylene	ND	0.012									
trans-1,2-Dichloroethylene	ND	0.012									
1,2-Dichloropropane	ND	0.012									L-03, V-05
1,3-Dichloropropane	ND	0.068									
cis-1,3-Dichloropropene	ND	0.012									
trans-1,3-Dichloropropene	ND	0.012									
Ethylbenzene	ND	0.025									
Isopropylbenzene (Cumene)	ND	0.064									
p-Isopropyltoluene (p-Cymene)	ND	0.057									L-03, V-05
Methyl tert-Butyl Ether (MTBE)	ND	0.025									
Methylene Chloride	ND	0.25									
4-Methyl-2-pentanone (MIBK)	ND	0.025									

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	
Batch B104193 - TO-15 Prep										
Blank (B104193-BLK1)					Prepared & Analyzed: 09/03/14					
Styrene	ND	0.025								
1,1,1,2-Tetrachloroethane	ND	0.046								
1,1,2,2-Tetrachloroethane	ND	0.012								L-03, V-05
Tetrachloroethylene	ND	0.012								
Toluene	ND	0.025								
1,1,1-Trichloroethane	ND	0.012								
1,1,2-Trichloroethane	ND	0.012								
Trichloroethylene	ND	0.012								
Trichlorofluoromethane (Freon 11)	ND	0.025								
1,2,4-Trimethylbenzene	ND	0.025								
1,3,5-Trimethylbenzene	ND	0.025								
Vinyl Chloride	ND	0.012								
m&p-Xylene	ND	0.050								
o-Xylene	ND	0.025								
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	8.42				8.00		105	70-130		
<i>Surrogate: 4-Bromofluorobenzene (2)</i>	10.3				8.00		129	70-130		
LCS (B104193-BS1)					Prepared & Analyzed: 09/03/14					
Acetone	3.82				5.00		76.4	70-130		
Acrylonitrile	1.59				2.88		55.3 *	70-130		L-05, V-06
Benzene	3.80				5.00		75.9	70-130		
Bromodichloromethane	3.63				5.00		72.6	70-130		
Bromoform	4.10				5.00		82.0	70-130		
2-Butanone (MEK)	4.76				5.00		95.2	70-130		
n-Butylbenzene	1.44				1.14		127	70-130		
sec-Butylbenzene	1.50				1.14		132 *	70-130		L-03, V-05
Carbon Tetrachloride	3.90				5.00		78.0	70-130		
Chlorobenzene	4.08				5.00		81.6	70-130		
Chloroethane	3.66				5.00		73.2	70-130		
Chloroform	4.46				5.00		89.2	70-130		
Chloromethane	2.87				5.00		57.5 *	70-130		L-03, V-05
Dibromochloromethane	4.10				5.00		82.1	70-130		
1,2-Dibromoethane (EDB)	3.70				5.00		73.9	70-130		
1,2-Dichlorobenzene	3.69				5.00		73.8	70-130		
1,3-Dichlorobenzene	3.87				5.00		77.5	70-130		
1,4-Dichlorobenzene	3.82				5.00		76.3	70-130		
Dichlorodifluoromethane (Freon 12)	4.43				5.00		88.6	70-130		
1,1-Dichloroethane	4.40				5.00		88.1	70-130		
1,2-Dichloroethane	4.20				5.00		84.0	70-130		
1,1-Dichloroethylene	4.55				5.00		91.0	70-130		
cis-1,2-Dichloroethylene	4.47				5.00		89.4	70-130		
trans-1,2-Dichloroethylene	4.40				5.00		87.9	70-130		
1,2-Dichloropropane	3.41				5.00		68.1 *	70-130		L-03, V-05
1,3-Dichloropropane	1.56				1.35		115	70-130		
cis-1,3-Dichloropropene	3.92				5.00		78.5	70-130		
trans-1,3-Dichloropropene	3.86				5.00		77.1	70-130		
Ethylbenzene	4.21				5.00		84.3	70-130		

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

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 B104193 - TO-15 Prep											
LCS (B104193-BS1)					Prepared & Analyzed: 09/03/14						
Isopropylbenzene (Cumene)	1.59				1.27		125	70-130			
p-Isopropyltoluene (p-Cymene)	1.56				1.14		137 *	70-130			L-03, V-05
Methyl tert-Butyl Ether (MTBE)	4.88				5.00		97.6	70-130			
Methylene Chloride	4.00				5.00		80.1	70-130			
4-Methyl-2-pentanone (MIBK)	3.50				5.00		70.0	70-130			
Styrene	4.43				5.00		88.7	70-130			
1,1,1,2-Tetrachloroethane	1.10				0.910		121	70-130			
1,1,2,2-Tetrachloroethane	3.10				5.00		61.9 *	70-130			L-03, V-05
Tetrachloroethylene	4.47				5.00		89.5	70-130			
Toluene	4.24				5.00		84.7	70-130			
1,1,1-Trichloroethane	3.66				5.00		73.2	70-130			
1,1,2-Trichloroethane	3.78				5.00		75.6	70-130			
Trichloroethylene	3.77				5.00		75.4	70-130			
Trichlorofluoromethane (Freon 11)	3.95				5.00		79.1	70-130			
1,2,4-Trimethylbenzene	3.88				5.00		77.6	70-130			
1,3,5-Trimethylbenzene	4.14				5.00		82.7	70-130			
Vinyl Chloride	3.64				5.00		72.8	70-130			
m&p-Xylene	8.56				10.0		85.6	70-130			
o-Xylene	4.00				5.00		80.1	70-130			
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	<i>8.58</i>				<i>8.00</i>		<i>107</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene (2)</i>	<i>10.5</i>				<i>8.00</i>		<i>132</i> *	<i>70-130</i>			<i>S-17</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
- 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.
- E Reported result is estimated. Value reported over verified calibration range.
 - L-03 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.
 - 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.
 - S-17 Surrogate recovery is outside of control limits. Data validation is not affected since all associated results are less than the reporting limit and bias is on the high side.
 - V-05 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.
 - V-06 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.

CERTIFICATIONS

Certified Analyses included in this Report

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
---------	----------------

EPA TO-15 in Air

o-Xylene AIHA,FL,NJ,NY,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2015
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2015
RI	Rhode Island Department of Health	LAO00112	12/30/2014
NC	North Carolina Div. of Water Quality	652	12/31/2014
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2015
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2014
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014



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 Fax: 413-525-5405
 Email: info@contestlabs.com

14H1308

RECORD

39 SPRUCE ST
 EAST LONGMEADOW, MA 01028

Page ___ of ___
 DOC#284
 Rev. Feb 2014

Company Name: EA Engineering
 Address: 2374 Post Rd. Suite 102
Warwick, RI 02886

Telephone: (401) 987-0371
 Project # 15066.01
 Client PO # _____

Attention: Ron Mack

Project Location: Alvaratz

Sampled By: C.S Wanson

Proposal Provided? (F or Billing purposes)

yes no proposal date

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT

Fax #: _____
 Email: R.Mack@eaest.com

Format: EXCEL PDF GIS KEY OTHER _____

Field ID	Sample Description	Media	Lab #
	MP-6	S	O1

Date Sampled	Start Date/Time	Stop Date/Time	Total Minutes Sampled	Flow Rate M ³ /Min. or L/Min.	Volume Liters or M ³	Matrix Code*
0835	8:27:14	8:27:44	31		14	X

ANALYSIS REQUESTED	"Hg"	Surma Canister ID	Flow Controller ID
	1 n i t i a l p r e s s u r e	1065	4038
	1 a d d i t i o n a l p r e s s u r e		

Please fill out completely, sign, date and retain the yellow copy for your record.
 Surma canisters and flow controllers must be returned within 14 days of receipt or rental fees will apply.
 For surma canister and flow controller information please refer to Con-Test's Air Media Agreement.

Laboratory Comments:

CLIENT COMMENTS:

Relinquished by (signature) [Signature] Date/Time: 8/28/14
 Received by (signature) [Signature] Date/Time: 11:50
 Relinquished by (signature) [Signature] Date/Time: 8/28/14
 Received by (signature) [Signature] Date/Time: 16:08

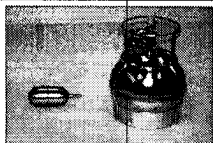
Turnaround ******
 7-Day
 10-Day
 Other _____
RUSH *
 *24-Hr *48-Hr
 *72-Hr *4-Day
 Approval Required

Special Requirements
 Regulations: LT Target Analytes
 Data Enhancement/RCP? Y N
 Enhanced Data Package Y N
 Required Detection Limits: Per contract
 Other: 1.2 PCA reporting limit is 0.04 ug/m³

**Matrix Code
 SG = SOIL GAS
 IA = INDOOR AIR
 AMB = AMBIENT
 SS = SUB SLAB
 D = DUP
 BL = BLANK
 O = other

**Media Codes
 S = summa can
 T = Tedlar bag
 P = PUF
 T = tube
 F = filter
 C = cassette
 O = Other

**** TURNAROUND TIME STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAM. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT. NELAC & AIHA-LAP LLC Accredited/WBE/DBE Certified**



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Page 1 of 2

39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

AIR Only Receipt Checklist

CLIENT NAME: EA Engineering RECEIVED BY: PB DATE: 8.28.14

- 1) Was the chain(s) of custody relinquished and signed? Yes No
 - 2) Does the chain agree with the samples? Yes No
If not, explain:
 - 3) Are all the samples in good condition? Yes No
If not, explain:
 - 4) Are there any samples "On Hold"? Yes No Stored where:
 - 5) Are there any RUSH or SHORT HOLDING TIME samples? Yes No
- Who was notified _____ Date _____ Time _____

6) Location where samples are stored: Air Lab

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

7) Number of cans Individually Certified or Batch Certified?

Containers received at Con-Test

	# of Containers	Types (Size, Duration)
Summa Cans (TO-14/TO-15/APH)	1	6 Lit
Tedlar Bags		
TO-17 Tubes		
Regulators	1	30 min
Restrictors		
Hg/Hopcalite Tube (NIOSH 6009)		
(TO-4A/ TO-10A/TO-13) PUFs		
PCB Florisil Tubes (NIOSH 5503)		
Air cassette		
PM 2.5/PM 10		
TO-11A Cartridges		
Other		

Unused Summas/PUF Media:

Unused Regulators:

- 1) Was all media (used & unused) checked into the WASP?
- 2) Were all returned summa cans, Restrictors & Regulators and PUF's documented as returned in the Air Lab Inbound/Outbound Excel Spreadsheet?

Laboratory Comments: 1065 4038

Page 2 of 2

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

Question	Answer (True/False)		Comment
	T/F/NA		
1) The cooler's custody seal, if present, is intact.	NA		
2) The cooler or samples do not appear to have been compromised or tampered with.	NA		
3) Samples were received on ice.	NA		
4) Cooler Temperature is acceptable.	NA		
5) Cooler Temperature is recorded.	NA		
6) COC is filled out in ink and legible.	T		
7) COC is filled out with all pertinent information.	T		
8) Field Sampler's name present on COC.	T		
9) There are no discrepancies between the sample IDs on the container and the COC.	T		
10) Samples are received within Holding Time.	T		
11) Sample containers have legible labels.	T		
12) Containers are not broken or leaking.	T		
13) Air Cassettes are not broken/open.	NA		
14) Sample collection date/times are provided.	T		
15) Appropriate sample containers are used.	T		
16) Proper collection media used.	T		
17) No headspace sample bottles are completely filled.	NA		
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T		
19) Trip blanks provided if applicable.	NA		
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA		
21) Samples do not require splitting or compositing.	T		

Doc #278 Rev. 4 January 2014

 Who notified of False statements?
 Log-In Technician Initials: PB

 Date/Time:
 Date/Time: 8.28.14



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: EA Engineering Science & Tech. - RI

Project Location: Alvarez

Project Number: 14H1308

Laboratory Sample ID(s):

Sample Date(s):

14H1308-01

08/27/2014

List RCP Methods Used:

EPA TO-15

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5A	Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5B	Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature:

Position: Laboratory Manager

Printed Name: Daren J. Damboragian

Date: 09/09/14

Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

APPENDIX F

Laboratory MRL Correspondence



39 Spruce Street
East Longmeadow, MA 01089

September 29, 2014

Ms. Mary Russo
EA Engineering Science & Technology
2350 Post Road
Warwick, RI 02886
RE: CT Remediation Standard Regulations – Work Order 14H1308

Dear Ms. Russo:

This letter is in response to the Residential Target Indoor Air numbers published in the Remediation Standard Regulations. Several of the TAC's, which are calculated based on risk, 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 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". The signature is written in a cursive style with a prominent horizontal line at the beginning.

Tod Kopyscinski
Air Laboratory Manager

APPENDIX G

Laboratory Can Cleaning Correspondence

Swanson, Catherine

From: Jim Georgantas <jgeorgantas@contestlabs.com>
Sent: Thursday, September 11, 2014 4:02 PM
To: Swanson, Catherine
Cc: 'Aaron L. Benoit'; 'Theresa Ferrentino'; Postma, Frank
Subject: RE: Summa can order

Catherine,

There are three difference scenarios affecting the results in question:

1. For samples 14H0122-07, -16, & -17, the samples previously analyzed in the same summa canisters had significant detections. After this previous analysis, cans were pre-purged prior to being cleaned. Cans for the work order in question were not individually certified. Carryover contamination is a possibility.
2. For sample 14H0122-15, because of the requested detection limits, samples were not pressurized and were under vacuum, resulting in carryover contamination from an instrument standard analyzed on the same auto sampler tree.
3. For samples 14H0122-05 & -14, after reviewing the data, there is no indication of any type of contamination.

If you have any questions or concerns, please let me know.

Thanks,
Jim

James Georgantas
Project Manager
Con-Test Analytical Laboratory
39 Spruce Street, East Longmeadow, MA 01028
Phone: (413) 525-2332 | Email: jgeorgantas@contestlabs.com



From: Jim Georgantas [mailto:jgeorgantas@contestlabs.com]
Sent: Thursday, September 11, 2014 3:22 PM
To: 'Swanson, Catherine'
Cc: 'Aaron L. Benoit'
Subject: RE: Summa can order

Hi Catherine,

Our laboratory manager has the information gathered from this inquiry, and he will be writing everything up this afternoon. You will receive a response from either Aaron or myself as soon as we have the information from the lab. Our apologies for the delay.

Thanks,
Jim

James Georgantas

Project Manager
Con-Test Analytical Laboratory
39 Spruce Street, East Longmeadow, MA 01028
Phone: (413) 525-2332 | Email: jgeorgantas@contestlabs.com



From: Swanson, Catherine [<mailto:catherineswanson@eaest.com>]
Sent: Thursday, September 11, 2014 1:58 PM
To: Jim Georgantas
Cc: 'Aaron L. Benoit'
Subject: RE: Summa can order

Hi Jim, any news on these summa can results?

Thanks,
Catherine

From: Jim Georgantas [<mailto:jgeorgantas@contestlabs.com>]
Sent: Monday, September 08, 2014 3:57 PM
To: Swanson, Catherine
Cc: 'Aaron L. Benoit'
Subject: RE: Summa can order

Hi Catherine,

I believe the lab is still looking into this. I just emailed them asking for an update. Aaron or myself will get back to you as soon as we know more.

Thanks,
Jim

James Georgantas
Project Manager
Con-Test Analytical Laboratory
39 Spruce Street, East Longmeadow, MA 01028
Phone: (413) 525-2332 | Email: jgeorgantas@contestlabs.com



From: Swanson, Catherine [<mailto:catherineswanson@eaest.com>]
Sent: Monday, September 08, 2014 3:21 PM
To: Jim Georgantas
Subject: RE: Summa can order

Thank you, Jim. In Aaron's absence, can you also check on an ongoing question he said would be processed within 48-hours? The details are described below:

We have some unexpected hits in this data set (Alvarez samples collected 8-1-14) for chlorinated solvents, especially for a sample which was just outdoor ambient air. Is there any way you can check out the past use of the summa cans to

determine if some residual chlorinated solvents could be affecting the data? The 6-L can IDs that have results which are inconsistent with historical trends/don't make a lot of sense:

- Outdoor Ambient Air – can 1318
- Rooftop Fan 1 – can 1845
- Rooftop Fan 2 – can 1717
- Rooftop Fan 3 – can 1006
- Room 118 – can 1025
- Room 145 – can 1713

Thanks!

From: Jim Georgantas [<mailto:jgeorgantas@contestlabs.com>]
Sent: Monday, September 08, 2014 11:49 AM
To: Swanson, Catherine
Cc: 'Aaron L. Benoit'
Subject: RE: Summa can order

Hi Catherine,

Thanks for the order. We can have these delivered to you for Friday of this week.

Thanks,
Jim

James Georgantas
Project Manager
Con-Test Analytical Laboratory
39 Spruce Street, East Longmeadow, MA 01028
Phone: (413) 525-2332 | Email: jgeorgantas@contestlabs.com



From: Swanson, Catherine [<mailto:catherineswanson@eaest.com>]
Sent: Monday, September 08, 2014 11:44 AM
To: jgeorgantas@contestlabs.com
Subject: FW: Summa can order

Hi Jim,

I just got Aaron's away message. Can you please place this order for us?

Thanks,
Catherine

From: Swanson, Catherine
Sent: Monday, September 08, 2014 11:42 AM
To: Aaron Benoit (aaron.benoit@contestlabs.com)
Cc: Postma, Frank
Subject: Summa can order

Hi Aaron,

We would like to place an order for 2 6-L summa cans with 30-minute regulators for TO-15 SIM. One can is for indoor air and one can is for soil vapor. The cans are for Alvarez high school with EA project #15066.02.04. We do not have a specific date set for the sampling event, but need them as soon as possible. Please let me know an estimated delivery date so I can order other equipment.

Thank you,

Catherine Swanson

Engineer I



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