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

9 June 2015

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. 31
Alvarez High School, 333 Adelaide Avenue, Providence, Rhode Island
Case No. 2005-029
EA Project No. 15066.02*

Dear Mr. Martella:

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

This O&M Report summarizes recently-completed Site activities related to compliance subslab vapor and indoor air sampling for the period from March through May 2015.

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. 31

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., PBC
2374 Post Road, Suite 102
Warwick, Rhode Island 02886
(401) 736-3440

EA Project No. 15066.02
June 2015

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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., PBC (EA) has prepared this Quarterly Operations and Maintenance (O&M) Status Report No. 31 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 March to May 2015 (Quarterly Reporting Period No. 31). Please refer to Quarterly O&M Status Reports No. 1 through No. 30 for information regarding monitoring and sampling at the Site during the previous quarters. The RACR and previously-submitted monthly correspondence contain details regarding the results of the monitoring and sampling program for the period prior to Reporting Period No. 1.

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

2.1 SSD SYSTEM

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

- Monthly subslab vacuum monitoring (27 March, 22 April, and 20 May 2015) at 11 monitoring locations, as illustrated on the As-Built Subslab Monitoring and Sampling Plan provided as Figure 3.
- Quarterly sampling (22 April 2015) of eight indoor air locations, one ambient outdoor air location, and six subslab points.
- Resampling of Room 152 and IMP-2 (27 March 2015) following detection of trichloroethylene (TCE) in Room 152 at a concentration above the threshold level during the January 2015 quarterly sampling event.
- 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 ranged from -0.01 and -0.07 in. of water column. Negative measurements confirm that a negative pressure exists beneath the building slab as a result of the continuous fan operation.

There were no alarms from the control panel for the indoor methane monitoring system during this monitoring period. EA tested the cell phone autodialer unit by triggering an alarm condition during the 20 May 2015 monitoring event. The autodialer functioned as intended and notified emergency contacts of the alarm condition.

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. In addition, the methane monitoring system was inspected and filters were replaced on 20 May 2015. The next filter replacement is scheduled for August 2015.

2.3 AMBIENT OUTDOOR AND INDOOR AIR SAMPLING

One indoor air and one sub-slab sample were collected at the site on 27 March 2015 as confirmatory samples following an exceedance of the action levels. One ambient outdoor air sample and eight indoor air samples were collected at the site at RIDEM-approved sampling locations during the quarterly sampling event on 22 April 2015. All samples were collected within individually certified summa canisters and submitted to Con-Test Analytical Laboratory (Con-Test) for analysis of VOCs via Method TO-15 Selective Ion Monitoring (SIM). The typical summa canister certification process occurs in batches. However, individual certification was requested by RIDEM for this and future sampling events after residual contamination affected the 1 August 2014 sampling event results. Each summa canister used during this monitoring period was individually analyzed to certify that all compounds were below the 0.2 parts per billion (ppb) limit before the sampling events. Sample results were compared to the State of Connecticut's Draft Proposed Indoor Residential Targeted Air Concentrations (CT RTACs) and the RIDEM approved action level in accordance with the Amended OA. The laboratory method reporting limits (MRLs) for several VOCs reported via TO-15 analysis were greater than the respective CT RTACs even though analyzed via the SIM procedure. 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 reporting limit was the lowest currently achievable.

Sampling locations for the indoor and sub-slab air samples are illustrated on Figure 3. During the quarterly monitoring event, the ambient outdoor air sample was collected upwind (east) of the school. A data summary table is provided as Appendix B and copies of the laboratory data reports associated with this sampling event are provided in Appendix E.

In January 2015, TCE was identified in Room 152 at a concentration of $20 \mu\text{g}/\text{m}^3$, above the action level of $1 \mu\text{g}/\text{m}^3$. The sample collected at the corresponding sub-slab monitoring point, IMP-2, did not have a TCE detection, indicating that the indoor air TCE may be from an interior source. Vapor samples were again collected from both Room 152 and IMP-2 on 27 March 2015. Resampling of Room 152 yielded a concentration of TCE that was below laboratory detection limits (non-detect). The concentration of TCE at IMP-2 during the resampling event was consistent with historical data at that sample location.

During the April 2015 monitoring event, the only analyte identified in indoor air above applicable action levels was 1,2-dichloroethane (1,2-DCA) in the Gymnasium. This detection was qualified as estimated (see below for more details on data qualifiers). The reported sample concentration of 1,2-DCA was $0.170 \mu\text{g}/\text{m}^3$, 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 that 1,2-DCA exceedances result from an external source and not from a soil vapor pathway. EA has investigated the 1,2-DCA levels with RIDEM using collocated samples in the past, 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 laboratory case narrative from Con-Test Analytical Laboratory for the samples collected on 22 April 2015 documents potential low bias for acrylonitrile at all sampling locations due to control sample recovery results and a low bias for acetone at sample locations Gymnasium, MP-2, MP-5 and MP-8 due to low continuing calibration checks. Low bias indicates that the actual concentrations could be higher than those reported. Acrylonitrile is not historically a contaminant of concern, all results were below detection limits, and there is not an action level for this analyte (indicating little to no risk from exposure). Acetone is frequently detected in samples from Alvarez and is attributed to laboratory contamination. A low bias in this analyte would not affect data integrity as all detections are already attributed to the laboratory.

Additionally, samples collected in the Gymnasium, at MP-2, and at MP-5 were qualified for multiple analytes. The qualifier indicated that internal standard response was below the acceptable threshold (<40% of the associated continuing calibration internal standard response). Concentrations reported with this qualifier are estimated values. See Appendix E for the laboratory analytical report which contains details on the qualifier. It is EA's opinion, this qualifier does not have the potential to affect sampling results except with the analytes methylene chloride and 1,2-DCA based on historical trends and the current data. Besides methylene chloride and 1,2-DCA, all qualified analyte results were non-detect or so far below the applicable threshold limit that a low bias would not bring the result above the threshold. Reported concentrations for methylene chloride ranged from 0.87 to 1.80 $\mu\text{g}/\text{m}^3$ in indoor/ambient air; less than, but approaching the threshold concentration of 3 $\mu\text{g}/\text{m}^3$. It is feasible that with the actual concentration of methylene chloride could have been above the threshold if laboratory equipment had functioned within standard parameters. Methylene chloride was previously established (in Status Report No. 29) to be a laboratory contaminant. The detection of 1,2-DCA in the Gymnasium is discussed earlier in this section of the report.

The sample at MP-8 was run at two laboratory dilution levels due to a high canister pressure. The canister regulator was operating slower than the designated rate; therefore, less sample volume was collected. The results for both dilutions are displayed in the data table.

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. Four exterior subslab vapor samples and two interior subslab vapor samples were collected on 22 April 2015 in accordance with the Amended OA rotating sampling schedule and analyzed for VOCs via US EPA Method TO-15 SIM. The subslab analytical results are presented in Appendix C and copies of the laboratory data reports associated with these sampling events are included in Appendix E.

The subslab data has been evaluated for potential rebound. No evidence of increasing VOCs (i.e., VOC rebound) beneath the school has been observed. Slight fluctuations in concentrations were noted during this reporting period; these variations do not constitute an increasing trend.

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 again on 22 October 2014 due to contamination of the summa canisters used to collect the 1 August 2014 samples. Rooftop fans were not sampled during Reporting Period No. 31. The results of the 22 October rooftop fan sampling event are summarized in Appendix D. No exceedances of the RIDEM Air Pollution Control Permit Applicability Thresholds for hourly, daily, or yearly emissions were observed. The next annual rooftop effluent VOC sampling event is scheduled for July 2015.

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. RIDEM conducted roofline and downwind outdoor air sampling during the 22 October 2014 monitoring event to determine if rooftop fan exhaust was possibly infiltrating the building or impacting downwind air. The roofline and downwind sample concentrations were approximately the same as the upwind sample concentration and significantly lower than those concentrations observed in the rooftop fan exhaust. This data indicated that exhausted vapors from the rooftop fans were well dispersed and are not causing significant impacts downwind or inside the building. More data may be sought to evaluate this issue during varying weather conditions.

2.6 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 Alvarez High School is not occurring.
- The continuous operation of the SSD System and confirmation of continuous sub-slab vacuum beneath the school illustrates ongoing, effective operation of the SSD System.
- The subslab data was evaluated for potential rebound in accordance with the Amended OA. No evidence of increasing VOCs (i.e., VOC rebound) beneath the school has been observed. Slight fluctuations in concentrations were noted during this reporting period; these variations do not constitute an increasing trend.

- The sample collected in Room 152 had a TCE concentration of 20 $\mu\text{g}/\text{m}^3$, above the threshold limit of 1 $\mu\text{g}/\text{m}^3$ in January 2015. The sample collected at the corresponding sub-slab monitoring point, IMP-2, did not have a TCE detection, indicating that the indoor air TCE detection may be from an interior source. During sample collection, a class was in progress and it is possible that clothing or plastics were the source of the detection. On 27 March 2015, EA personnel resampled both locations. Resampling of Room 152 yielded a concentration of TCE that was below laboratory detection limits (non-detect). The concentration of TCE at IMP-2 during the resampling event was consistent with historical data at that sample location.
- In the April 2015 sampling event, the only analyte identified above applicable action levels was 1,2-DCA in the Gymnasium. The reported sample concentration of 1,2-DCA was 0.170 $\mu\text{g}/\text{m}^3$ which is above the threshold value. EA believes the exceedances result from an external source and not from a soil vapor pathway based on historical investigation of 1,2-DCA detections (see Status Report No. 24 for details). Additionally, this sample result was qualified as “estimated,” therefore uncertainty exists as to if the concentration was truly greater than standards.
- Other qualifiers were assigned to various analytes and sample locations by the laboratory. It is EA’s opinion that these qualifiers do not have the potential to distort sampling results in a way that could misrepresent current site conditions.
- The use certified clean summa canisters, as requested by RIDEM, yielded high confidence in the samples collected on 22 April 2015. EA will continue to use certified clean canisters in the upcoming sampling events.

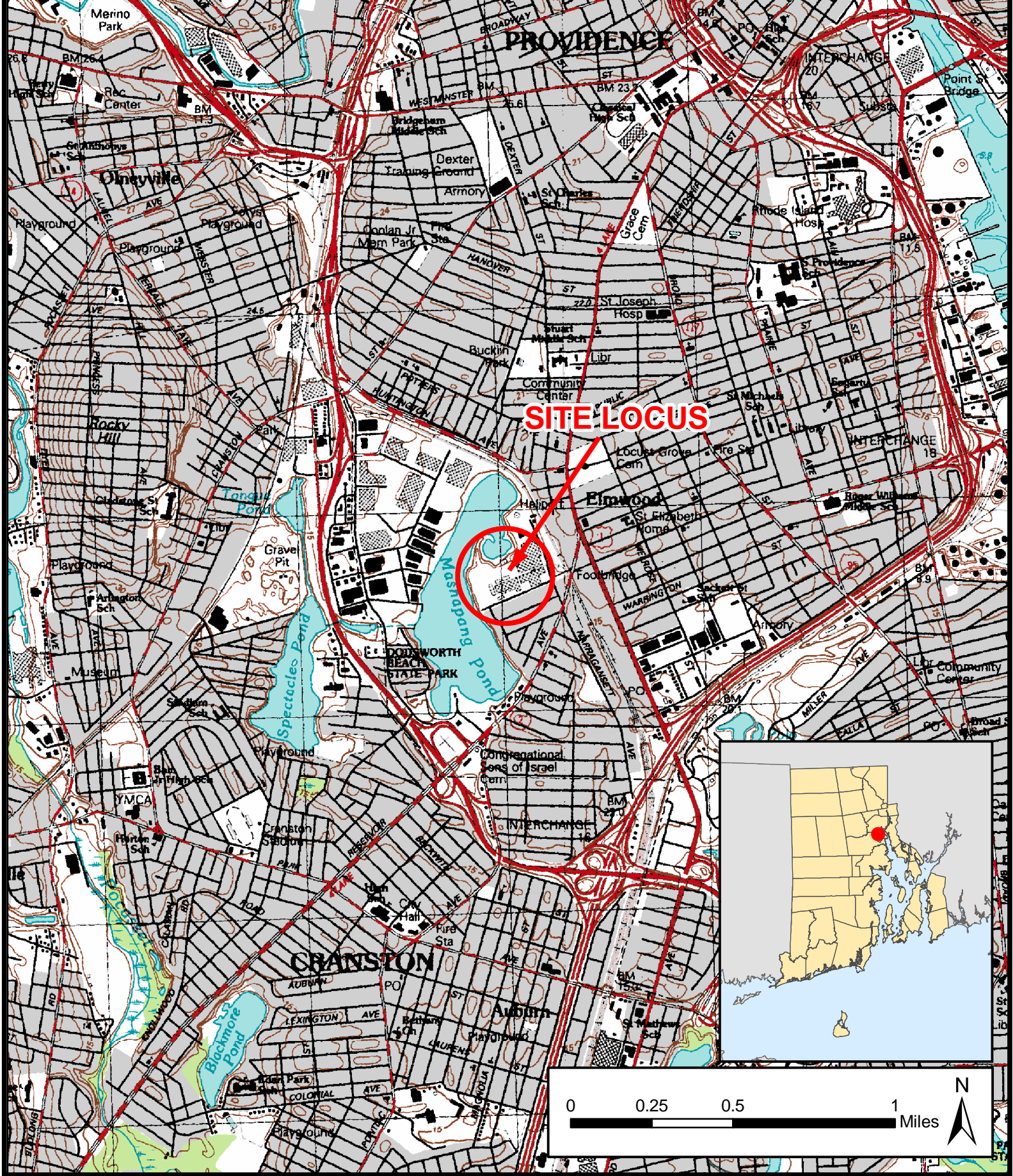
3. FUTURE ACTIVITIES AND NEXT QUARTERLY SUMMARY REPORT

The following activities will be completed in accordance with the Amended OA during the next quarterly status reporting period from June to August 2015:

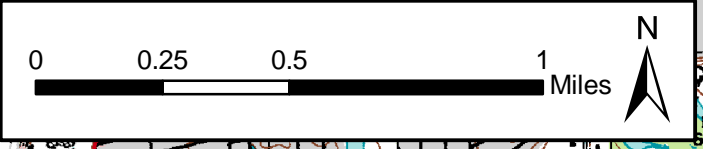
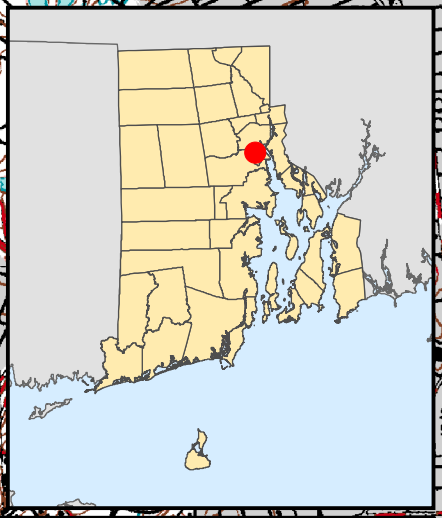
- Continuous monitoring of the operational status of the three rooftop fans;
- Monthly site inspections and monitoring using a photoionization detector with part-per-billion sensitivity;
- Collection of air samples from eight indoor locations, one ambient location, six subslab monitoring points, and three rooftop fans in July 2015.

These activities will be summarized in the next status report (Quarterly Status Report No. 32), expected to be submitted by the end of September 2015.

FIGURES



SITE LOCUS



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

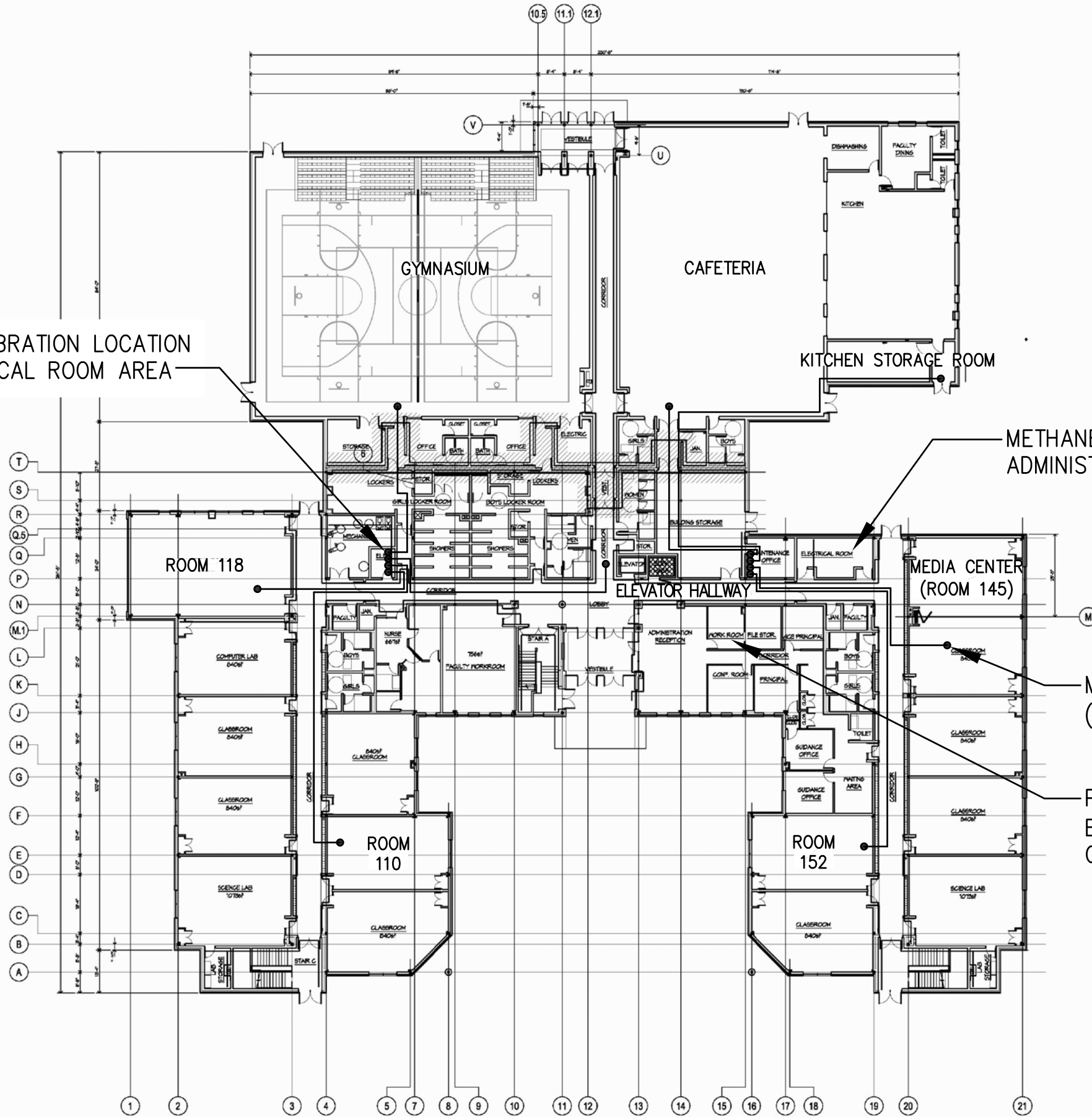
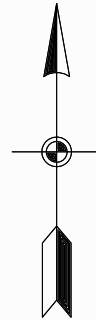
METHANE SYSTEM CONTROLLER LOCATION;
ADMINISTRATION WORK ROOM

METHANE SENSOR LOCATION
(TYP.)

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

NOTE: NOT TO SCALE

PROJECT NORTH



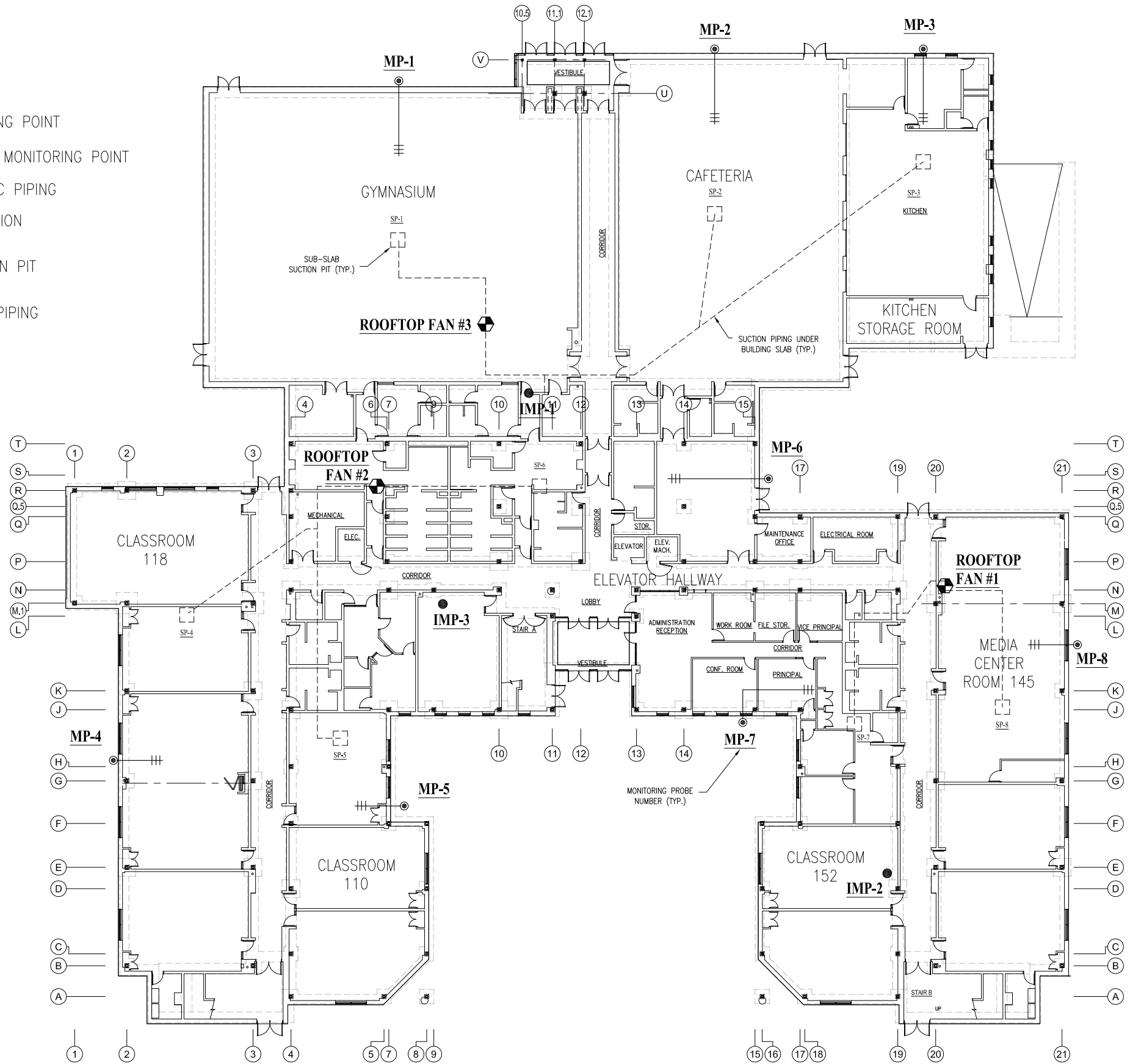
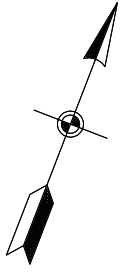
DESIGNED BY RGM	DRAWN BY DPA	DATE OCT. 16, 2013	PROJECT NO. 15066.01	FILE NAME ALVAREZ LAYOUT
CHECKED BY FBP	PROJECT MGR. FBP	SCALE NTS	DRAWING NO. -	FIGURE 2

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: 3/27/2015

Performed by: C. Swanson

PID/Methane Calibration? Y (yes/no)

Date of last Methane Sensor Filter Replacement: February Replaced this O&M Visit? N (yes/no)

General Status of SSD System: On and operational

General Status of Methane Monitoring System: On and operational

Eng. Cap/Fence Inspection Performed/Notes: Heavy rain and residual snow on ground. Could not inspect

(take photographs of any deficiencies noted)

Monitoring/ Sampling Location	Sub-slab or gauge vacuum	Air Velocity (fpm)	VOC Monitoring PID (ppb)	Methane Monitoring		Summa Can ID	Air/Vapor Sample Collection				Comments/Notes (Ambient weather conditions, status of HVAC, possible monitoring/sampling interferences, etc ... continue on separate sheet if needed)	
				Indoor Sensor (ppm)	(% Gas)		(% LEL)*	Controller ID	Start Time	Start Vac (inches Hg)		End Time
Gymnasium	NA	NA	0	0	0	--	--	--	--	--	--	
Cafeteria	NA	NA	0	0	0	--	--	--	--	--	--	
Kitchen Storage Room	NA	NA	0	0	0	--	--	--	--	--	--	
Elevator Hallway	NA	NA	0	0	0	--	--	--	--	--	--	
Room 145	NA	NA	0	0	0	--	--	--	--	--	--	
Room 152	NA	NA	16	0	0	1118	4194	7:28	-28.5	7:58	-5	resample from Jan. 2015
Room 118	NA	NA	0	0	0	--	--	--	--	--	--	
Room 110	NA	NA	0	0	0	--	--	--	--	--	--	
IMP-1	-0.01	NA	0	NA	0	--	--	--	--	--	--	
IMP-2	-0.05	NA	3084	NA	0	1	--	--	--	--	--	
IMP-3	-0.02	NA	50	NA	0	0	--	--	--	--	--	
IMP-4	-0.02	NA	118	NA	0	0	--	--	--	--	--	
IMP-5	-0.05	NA	0	NA	0	0	--	--	--	--	--	
IMP-6	-0.02	NA	84	NA	0	0	--	--	--	--	--	
IMP-7	-0.02	NA	13	NA	0	0	--	--	--	--	--	
IMP-8	-0.06	NA	118	NA	0	0	--	--	--	--	--	
IMP-1	-0.02	NA	271	NA	0	0	--	--	--	--	--	
IMP-2	-0.01	NA	369	NA	0	0	2005	4195	7:34	8:04	-8	resample from Jan. 2015
IMP-3	-0.01	NA	169	NA	0	0	--	--	--	--	--	
Roof-Top Fan 1	-2.2	2227	168	NA	0	0	--	--	--	--	--	
Roof-Top Fan 2	-2.2	2525	644	NA	0	0	--	--	--	--	--	
Roof-Top Fan 3	-2.8	1905	359	NA	0	0	--	--	--	--	--	
Ambient Outdoor Air	NA	NA	0	NA	0	0	--	--	--	--	--	wind from east with rain

NA: not applicable.

NM: not monitored on this date.

NS: not sampled on this date.

* RIDEM Action Level for methane %LEL beneath the building is 10% and within the building is 1%. If these methane levels are exceeded, immediately notify EA Project Manager to initiate response protocol.



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

Date of O&M: 4/22/2015

Performed by: CAS/DA

PID/Methane Calibration? yes (yes/no)

PID Calibration Result: 100.0

Date of last Methane Sensor Filter Replacement: Feb

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

ON

General Status of SSD System:

General Status of Methane Monitoring System: ON

System:

Eng. Cap/Fence Inspection

Performed/Notes: one hole in grass near downspout

(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 (in. Hg)	End Time		End Vac (in. Hg)
Gymnasium	NA	NA	3	0	0	0	2217	4185	8:23 AM	-29.5	8:56 AM	-5.5	Floor waxing in progress
Cafeteria	NA	NA	15	0	0	0	2030	4211	8:18 AM	-29.5	8:48 AM	-3	
Kitchen Storage Room	NA	NA	9	0	0	0	1448	4210	8:02 AM	-29	8:35 AM	-1	
Elevator Hallway	NA	NA	20	0	0	0	1071	4073	8:35 AM	-29	9:05 AM	-5	
Room 145	NA	NA	5	0	0	0	1991	4193	9:09 AM	-29	9:41 AM	-4	
Room 152	NA	NA	34	0	0	0	1162	4192	9:13 AM	-28	9:44 AM	-3.5	
Room 118	NA	NA	17	0	0	0	1965	4188	8:51 AM	-28.5	9:23 AM	-3.5	
Room 110	NA	NA	371	0	0	0	2130	4189	9:00 AM	-29	9:33 AM	-1	
MP-1	-04	NA	15	NA	0	0	-						
MP-2	-04	NA	21	NA	0	0	1981	4076	11:28 AM	-28	12:00 PM	-6	
MP-3	-01	NA	18	NA	0	0	-						
MP-4	-03	NA	12	NA	0	0	-						
MP-5	-04	NA	30	NA	0	0	2187	4090	10:38 AM	-29	11:07 AM	-4	
MP-6	-01	NA	90	NA	0	0	-						
MP-7	-01	NA	226	NA	0	0	2206	4077	10:31 AM	-27.5	11:03 AM	-3	
MP-8	-06	NA	79	NA	0	0	1998	4101	10:19 AM	-30	10:55 AM	-10	
IMP-1	-01	NA	45	NA	0	0	1311	4072	8:33 AM	-30	9:03 AM	-6	
IMP-2	-01	NA	195	NA	0	0	-						
IMP-3	-01	NA	21	NA	0	0	2133	4184	8:41 AM	-28.5	9:13 AM	-8	
Roof-Top Fan 1	-2.2	2325	180	NA	0	0	-						
Roof-Top Fan 2	-2.1	2510	40	NA	0	0	-						
Roof-Top Fan 3	-2.6	2210	333	NA	0	0	-						
Ambient Outdoor Air	NA	NA	190	NA	0	0	1962	4091	10:22 AM	-28.5	10:57 AM	-3	Easterly wind. Variable PID readings. Wind shifty.

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

Photograph 1	Photograph 2
	
<p>Description of image: Hole in cap below downspout. Has been there for >6 months. On NW side of school.</p>	<p>Description of image:</p>

Photograph 3	Photograph 4
<p>Description of image:</p>	<p>Description of image:</p>



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

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

Date of O&M: 5/20/2015

Performed by: CS

PID/Methane Calibration? Y (yes/no)

PID Calibration Result: 0:00

Date of last Methane Sensor Filter Replacement: Feb

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

General Status of SSD System: on & operational

General Status of Methane Monitoring

System: on & operational

Eng. Cap/Fence Inspection

Performed/Notes: one hole below downspout. Has been there for > 6 mos.

(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 (in. Hg)	End Time		End Vac (in. 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	-	-	-	-	-	-	AC on high
Room 110	NA	NA	0	0	0	0	-	-	-	-	-	-	
MP-1	-0.07	NA	238	NA	0	0	-	-	-	-	-	-	
MP-2	-0.05	NA	375	NA	0	0	-	-	-	-	-	-	
MP-3	-0.04	NA	0	NA	0	0	-	-	-	-	-	-	
MP-4	-0.04	NA	475	NA	0	0	-	-	-	-	-	-	
MP-5	-0.04	NA	7	NA	0	0	-	-	-	-	-	-	
MP-6	-0.02	NA	35	NA	0	0	-	-	-	-	-	-	
MP-7	-0.01	NA	0	NA	0	0	-	-	-	-	-	-	
MP-8	-0.06	NA	11500	NA	0	0	-	-	-	-	-	-	
IMP-1	-0.03	NA	197	NA	0	0	-	-	-	-	-	-	
IMP-2	-0.01	NA	5589	NA	0	0	-	-	-	-	-	-	
IMP-3	-0.01	NA	14	NA	0	0	-	-	-	-	-	-	
Roof-Top Fan 1	-2.2	2334	0	NA	0	0	-	-	-	-	-	-	
Roof-Top Fan 2	-2.2	2619	0	NA	0	0	-	-	-	-	-	-	
Roof-Top Fan 3	-2.5	2133	38500	NA	0	0	-	-	-	-	-	-	fan sounded labored
Ambient Outdoor Air	NA	NA	0	NA	0	0	-	-	-	-	-	-	wind from north

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.

APPENDIX B

Indoor and Ambient Outdoor Air Analytical Summary

**Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - April 2015**

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Kitchen Storage Rm		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Cntr (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	U	4.750	U	6.870		8.060		4.750	U	4.780						4.750	U				
	27-Mar-08 ²		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		16.000		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		20.800		16.800		23.800		20.000		18.600		23.500						20.000					
	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		18.500		16.900		21.500		41.900		22.000		28.800		40.000						40.000					
	21-Jan-09		5.300		2.400		2.400		3.600		5.600		3.300		4.000		2.400						2.400	U				
	25-Feb-09		2.400	U	2.900		2.400		9.600		5.000		3.800		4.100		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						4.960					
	21-Apr-10		26.700		22.000		23.200		19.300		19.300		21.800		20.500		4.960						14.300					
	16-Jul-10		28.200		16.500		13.800		16.100		36.900		24.900		40.700		16.000						7.630					
	15-Oct-10		32.700		8.180		4.750	U	11.500		7.360		6.010		5.530		6.690						9.850					
	30-Nov-10		NS		13.200		13.000		NS		NS		NS		6.460		NS						NS					
	26-Jan-11		28.500		20.800		11.600		14.900		13.500		33.200		12.600		24.000				21.500	15.900		9.850				
	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		5.930						5.600					
	26-Jul-11		51.800		48.000		22.800		82.200		28.700		7.170		25.400		39.400						8.840					
	28-Oct-11		17.000		12.000		7.400		9.900		11.000		9.700		13.000		15.000						8.000					
	23-Jan-12		15.000		15.000		18.000		18.000		37.000		19.000		18.000		13.000						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		21.000					9.100						
	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		16.000		8.300		12.000		8.300		13.000		11.000						9.000					
	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		21.000		22.000		28.000		32.000		27.000		35.000						18.000					
	9-Jul-13		25.000		26.000		22.000		24.000		41.000		28.000		35.000		32.000						24.000					
9-Jul-13 RIDEM		NS		NS		NS		NS		18.827		NS		NS		NS					50	NS		35	13.038			
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		18.000		12.000		18.000		17.000		17.000 ^M		12.000		16.000		76.000 ^M						6.100						
1-Aug-14		35.000 ^M		12.000 ^M		29.000 ^M		37.000 ^M		43.000 ^M		38.000 ^M		81.000/62.000 ^M		35.000 ^M						27.000 ^M						
12-Sept-14 resample		NS		NS		NS		NS		NS		NS		33.000		NS					NS							
22-Oct-14		17.000		12.000		2.900	U	18.000		27.000		34.000		26.000		51.000						13.000						
20-Jan-15		37.000		30.000		30.000		39.000		44.000		57.000		57.000		17.000						49.000						
30-Mar-15 resample		NS		NS		NS		NS		NS		NS		NS		23.000						NS						
22-Apr-15		16.000		21.000		79.000 ^V		15.000		20.000		1.900	U	34.000		43.000						17.000						
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				
	30-Sep-08		2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U					2.200	U				
	27-Oct-08		2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U					2.200	U				
	25-Nov-08		2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U					2.200	U				
	18-Dec-08		2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U					2.200	U				
	21-Jan-09		2.																									

**Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - April 2015**

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Kitchen Storage Rm		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Cntr (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)		AOA-2	AOA-3	
			Concentration	Qual	Concentration	Qual	Concentration	Qual	Concentration	Qual	Concentration	Qual	Concentration	Qual	Concentration	Qual	Concentration	Qual	Concentration	Qual	Concentration	Qual	Concentration	Qual	Concentration	Qual	Concentration
Benzene	8-Feb-08		0.910		0.840		0.730		0.780		0.810		0.800		0.750		0.790						0.670				
	27-Mar-08		1.420		1.350		1.600		1.420		0.218		2.130		1.730		1.680						0.372				
	25-Apr-08		1.360		1.300		0.638		1.400		1.150		1.270		1.130		1.120						0.413				
	29-May-08		0.370		0.430		0.300		0.400		0.300		0.450		0.410		0.310						0.230				
	27-Jun-08		0.631		0.603		0.666		0.644		0.657		0.604		0.649		0.582						0.726				
	31-Jul-08		0.568		0.477		0.419		0.451		0.528		0.465		0.378		0.390						0.405				
	28-Aug-08		1.190		1.110		1.010		0.953		1.063		1.060		1.060		1.020						1.280				
	30-Sep-08		1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.600	0.2	1.600	U					1.600	U			
	27-Oct-08		2.100		1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.900						3.600				
	25-Nov-08		1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U					1.600	U			
	18-Dec-08		1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U					1.600	U			
	21-Jan-09		1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U					1.600	U			
	25-Feb-09		1.600	U	1.600	U	1.600	U	NS		1.600	U	1.600	U	1.600	U	1.600	U					1.600	U			
	26-Mar-09		2.330		1.840		1.740		1.650		1.540		2.210		0.316		1.880						2.390				
	29-Apr-09		0.594		0.358		0.332		0.303		0.358		0.358		1.460		0.335						0.351				
	22-Jul-09		0.626		0.546		0.642		0.574		0.852		1.560		1.460		1.080						4.330				
	9-Oct-09		1.130		0.954		0.903		0.878		0.919		1.050		1.070		0.996						1.100				
	15-Jan-10		1.670		1.510		1.340		1.460		1.420		1.450		1.540		1.550						1.370				
	21-Apr-10		1.020		1.320		1.080		1.380		1.270		1.210		1.230		1.240						0.335				
	16-Jul-10		0.319	U	0.319	U	0.319	U	0.319	U	0.319	U	0.319	U	0.485		0.319	U					0.319	U			
	15-Oct-10		0.319	U	0.319	U	0.319	U	0.319	U	0.319	U	0.319	U	0.319	U	0.319	U					0.319	U			
	30-Nov-10		NS		0.514		NS		NS		NS		NS		0.412		NS						NS				
	26-Jan-11		2.920		2.890		2.970		3.290		2.940		3.430		2.560		3.660		2.940		2.850		3.350				
	26-Jan-11**		NS		3.600		3.800		NS		NS		NS		3.800		NS						NS				
	27-Apr-11		0.319	U	0.319	U	0.319	U	0.319	U	0.319	U	0.319	U	0.319	U	0.319	U					0.319	U			
	26-Jul-11		0.559		0.664		0.319	U	0.326		0.319	U	0.319	U	0.329		0.319	U					0.319	U			
	28-Oct-11		0.640		0.500		0.380		0.390		0.410		0.450		0.460		0.430						0.300				
	23-Jan-12		1.300		1.200		1.200		1.200		1.200		1.200		1.200		1.300						1.200				
	13-Apr-12		0.680		0.670		0.590		0.600		0.580		0.650		0.580		0.520						0.220				
	2-Jul-12 resample		NS		NS		NS		NS		NS		NS		NS		0.290						0.140				
	20-Jun-12		0.490		0.540		0.410		0.510		0.520		0.440		0.460		0.540						0.740				
	1-Nov-12		1.300		1.000		1.000		1.200		0.990		1.500		1.700		1.300						0.470				
	1-Feb-13		0.470		0.410		0.400		0.420		0.410		0.490		0.500		0.430						0.410				
	29-Apr-13		0.960		0.920		0.900		0.930		0.760		0.710		0.940		0.840						0.300				
	9-Jul-13		0.440		0.420		0.400		0.450		0.450		0.420		0.450		0.440						0.520				
	9-Jul-13 RIDEM		NS		NS		NS		NS		NS		NS		NS		NS						0.597	0.56		0.81	0.903
	18-Oct-13		0.240		1.000		0.880		0.660		1.100		0.830		0.800		1.000						1.000				
	9-Jan-14		1.400		1.700		0.910		0.860		0.730		0.810		0.960		0.820						0.750				
	24-Apr-14		0.300		0.240		0.300		0.230		0.240		0.210		0.240		0.300						0.210				
	1-Aug-14		0.570		0.360		0.350		0.820		0.740		0.600		0.550		0.790						0.590				
12-Sept-14 resample		NS		NS		NS		NS		NS		NS		0.410		NS						NS					
22-Oct-14		0.560		0.340		0.270	U	0.350		0.550		0.250		0.450		0.610						0.420					
20-Jan-15		0.450		0.440		0.440		0.430		0.500		0.500		0.580		0.480						0.510					
30-Mar-15 resample		NS		NS		NS		NS		NS		NS		NS		0.490						NS					
22-Apr-15		0.950		1.200		0.920		0.950		1.100		0.750		0.930		0.830						0.880					
Bromodichloromethane	8-Feb-08		0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U				0.130	U				
	27-Mar-08		0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U				0.134	U				
	25-Apr-08		0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U				0.134	U				
	29-May-08		0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U				0.130	U				
	27-Jun-08		0.134	U	0.134	U	0.130	U	0.134	U	0.134	U	0.130	U	0.231		0.134	U				0.134	U				
	31-Jul-08		0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U				0.134	U				
	28-Aug-08		0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U				0.134	U				
	30-Sep-08		0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U				0.130	U				
	27-Oct-08		0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U				0.130	U				
	25-Nov-08		0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U				0.130	U				
	18-Dec-08		0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U				0.130	U				
	21-Jan-09		0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U				0.130	U				
	25-Feb-09		0.130	U	0.130																						

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			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
Bromoform	8-Feb-08		0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U			0.210	U			
	27-Mar-08		0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U			0.206	U			
	25-Apr-08		0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.210	U			0.210	U			
	29-May-08		0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U			0.210	U			
	27-Jun-08		0.206	U	0.210	U	0.206	U	0.206	U	0.210	U	0.210	U	1.300	U	0.210	U	0.210	U			0.206	U			
	31-Jul-08		0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U			0.206	U			
	28-Aug-08		0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U			0.206	U			
	30-Sep-08		0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U			0.410	U			
	27-Oct-08		0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U			0.410	U			
	25-Nov-08		0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U			0.410	U			
	18-Dec-08		0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U			0.410	U			
	21-Jan-09		0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U			0.410	U			
	25-Feb-09		0.410	U	0.410	U	0.410	U	NS		0.410	U	0.410	U	0.410	U	0.410	U	0.410	U			0.410	U			
	26-Mar-09		0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U			0.206	U			
	29-Apr-09		0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U			0.206	U			
	22-Jul-09		0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U			0.206	U			
	9-Oct-09		0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U			0.206	U			
	15-Jan-10		0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U			0.206	U			
	21-Apr-10		0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U			0.206	U			
	16-Jul-10		0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U			0.206	U			
	15-Oct-10		0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U			0.206	U			
	30-Nov-10		NS		0.206	U	0.206	U	NS		NS		NS		NS		0.206	U	NS				NS	U			
	26-Jan-11		0.353	U	0.351	U	0.352	U	0.352	U	0.353	U	0.351	U	0.351	U	0.351	U	0.353	U	0.351	U	0.351	U			
	26-Jan-11**		NS		0.540	U	0.520	U	NS		NS		NS		NS		0.520	U	NS			0.352	U	0.351	U		
	27-Apr-11		0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U			0.206	U			
	26-Jul-11		0.207	U	0.207	U	0.207	U	0.207	U	0.207	U	0.207	U	0.207	U	0.207	U	0.207	U			0.207	U			
	28-Oct-11		0.310	U	0.310	U	0.310	U	0.310	U	0.310	U	0.310	U	0.310	U	0.310	U	0.310	U			0.310	U			
	23-Jan-12		0.360	U	0.360	U	0.360	U	0.360	U	0.360	U	0.360	U	0.360	U	0.035	U	0.360	U			0.360	U			
	13-Apr-12		0.310	U	0.310	U	0.310	U	0.310	U	0.310	U	0.310	U	0.310	U	0.310	U	0.310	U			0.310	U			
	2-Jul-12 resample		NS		NS		NS		NS		NS		NS		NS		NS		NS				NS	U			
	20-Jun-12		0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U			0.210	U			
	1-Nov-12		0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U			0.210	U			
	1-Feb-13		0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U			0.210	U			
	29-Apr-13		0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U			0.210	U			
	9-Jul-13		0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U			0.210	U			
	18-Oct-13		0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U			0.210	U			
	9-Jan-14		0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U			0.210	U			
	24-Apr-14		0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U			0.210	U			
	1-Aug-14		0.210	U	0.210	U	0.210	U	0.310	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U			0.210	U			
	12-Sept-14 resample		NS		NS		NS		NS		NS		NS		NS		NS		NS				NS	U			
22-Oct-14		0.310	U	0.310	U	0.310	U	0.310	U	0.310	U	0.310	U	0.310	U	0.310	U	0.310	U			0.310	U				
20-Jan-15		0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.310	U	0.210	U			0.310	U				
30-Mar-15 resample		NS		NS		NS		NS		NS		NS		NS		NS		0.240	U			NS	U				
22-Apr-15		0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U			0.210	U				
2-Butanone	8-Feb-08		1.470	U	1.470	U	1.470	U	1.470	U	1.470	U	1.470	U	1.470	U	1.470	U					1.470	U			
	27-Mar-08		8.560	U	6.540	U	5.650	U	5.140	U	3.950	U	4.440	U	0.360	U	5.680	U					1.470	U			
	25-Apr-08		2.140	U	1.470	U	3.170	U	1.470	U	1.470	U	1.470	U	1.470	U	1.470	U					1.470	U			
	29-May-08		1.470	U	1.470	U	2.840	U	2.240	U	1.470	U	1.470	U	1.470	U	1.470	U					1.470	U			
	27-Jun-08		7.850	U	2.520	U	3.810	U	3.890	U	3.050	U	2.420	U	2.840	U	2.340	U					3.080	U			
	31-Jul-08		2.080	U	1.720	U	3.080	U	2.080	U	1.470	U	2.160	U	1.470	U	1.490	U					1.470	U			
	30-Sep-08		2.280	U	1.790	U	3.980	U	3.980	U	1.470	U	1.470	U	1.470	U	1.470	U					1.650	U			
	30-Sep-08		1.500	U	1.500	U	1.500	U	1.500	U	2.200	U	1.500	U	1.500	U	6.100	U					1.500	U			
	27-Oct-08		1.900	U	3.200	U	1.500	U	3.600	U	1.500	U	2.000	U	1.500	U	2.300	U					2.800	U</			

**Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - April 2015**

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Kitchen Storage Rm		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Cntr (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	
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				
	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				
	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				
	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				
	27-Jun-08		0.053	U	0.050	U	0.053	U	0.053	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	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				
	28-Aug-08		0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U				
	30-Sep-08		1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U				
	27-Oct-08		1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U				
	25-Nov-08		1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U				
	18-Dec-08		1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U				
	21-Jan-09		1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U				
	25-Feb-09		1.300	U	1.300	U	1.300	U	NS	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U				
	26-Mar-09		0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U				
	29-Apr-09		0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U				
	22-Jul-09		0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U				
	9-Oct-09		0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U				
	15-Jan-10		0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U				
	21-Apr-10		0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U				
	16-Jul-10		0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U				
	15-Oct-10		0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U				
	30-Nov-10		NS	U	0.053	U	0.053	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U				
	26-Jan-11		0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U				
	26-Jan-11**		NS	U	0.130	U	0.130	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.090	U	0.090	U				
	27-Apr-11		0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U				
	26-Jul-11		0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U				
	28-Oct-11		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U				
	23-Jan-12		0.093	U	0.093	U	0.093	U	0.093	U	0.093	U	0.093	U	0.093	U	0.093	U	0.093	U	0.093	U	0.093	U				
	13-Apr-12		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U				
	2-Jul-12 resample		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.090	U	0.090	U				
	20-Jun-12		0.072	U	0.150	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U				
	1-Nov-12		0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.061	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U				
	1-Feb-13		0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U				
	29-Apr-13		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U				
	9-Jul-13		0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.092	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U		0.08	0.05	U
	18-Oct-13		0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U				
	9-Jan-14		0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U				
	24-Apr-14		0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U				
	1-Aug-14		0.053	U	0.053	U	0.053	U	0.079	U	0.053	U	0.062	U	0.059	U	0.053	U	0.053	U	0.053	U	0.053	U				
	12-Sept-14 resample		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U				
22-Oct-14		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U					
20-Jan-15		0.053 ^L	U	0.053 ^L	U	0.053 ^L	U	0.060 ^L	U	0.053 ^L	U	0.053 ^L	U	0.079 ^L	U	0.053 ^L	U	0.053 ^L	U	0.053 ^L	U	0.053 ^L	U					
30-Mar-15 resample		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					
22-Apr-15		0.053	U	0.053	U	0.110 ^V	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.061	U	0.061	U	0.053	U					
Chloroform	8-Feb-08		0.110		0.110		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		0.840		0.690		0.523	U	0.523	U	0.410	U	0.337	U	0.605	U	0.503	U	0.503	U	0.503	U	0.503	U				
	25-Apr-08		0.186		0.210		0.193		0.122		0.125		0.134		0.110		0.130		0.130		0.130		0.130					
	29-May-08		0.110		0.100		0.100		0.100		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U				
	27-Jun-08		0.238		0.257		0.202		0.207		0.196		0.200		0.245		0.223		0.223		0.223		0.223					
	31-Jul-08		0.230		0.151		0.136		0.194		0.204		0.227		0.098	U	0.106		0.106		0.106		0.106					
	28-Aug-08		0.342		0.373		0.298		0.312		0.269		0.602		0.269		0.271		0.2									

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Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Kitchen Storage Rm		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Cntr (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		U	2.440	U			
	27-Mar-08		2.830		3.070		2.680		2.440		2.830		2.440		2.480		2.440		2.440				2.440	U			
	25-Apr-08		2.820			U	2.440	U	2.440	U	2.440	U	3.000	U	2.440	U	3.140	U	2.440	U			2.440	U			
	29-May-08		2.790		3.000		7.100		11.000		2.940		6.280		6.420		2.770		2.440				2.440	U			
	27-Jun-08		2.650		2.440	U	2.440	U	2.440	U	2.830	U	3.260	U	2.440	U	2.500	U	2.440	U			2.440	U			
	31-Jul-08		3.580		3.880		3.330		4.370		3.440		3.740		2.440	U	2.440	U	2.440	U			2.440	U			
	28-Aug-08		2.440		3.140		5.310		6.880		3.150		2.440	U	2.540	U	2.540	U	2.440	U			2.440	U			
	30-Sep-08		1.400		1.300		1.100		1.400		1.000	U	1.700	U	1.600	U	1.000	U	1.000	U			1.200	U			
	27-Oct-08		1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	1.200	U	1.000	U	1.000	U	1.000	U			1.000	U			
	25-Nov-08		1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U			1.000	U			
	18-Dec-08		1.000	U	1.000	U	1.000	U	1.400	U	1.000	U	1.000	U	1.000	U	1.300	U	1.000	U			1.000	U			
	21-Jan-09		1.000	U	1.000	U	1.000	U	1.500	U	1.000	U	1.000	U	1.400	U	1.100	U	1.000	U			1.200	U			
	25-Feb-09		1.000	U	1.000	U	1.000	U	NS	U	1.000	U	1.000	U	1.000	U	1.100	U	1.000	U			1.000	U			
	26-Mar-09		2.490		2.680		2.550		2.920		2.910		2.440	U	2.440	U	2.440	U	2.440	U			2.440	U			
	29-Apr-09		2.710		2.910		3.600		3.730		3.130		2.660		3.390		2.960		2.960				2.510	U			
	22-Jul-09		2.670		2.520		2.660		2.540		2.440	U	2.780		3.390		3.320		2.440				2.440	U			
	9-Oct-09		3.450		2.740		2.440	U	2.440	U	2.440	U	2.440	U	2.440	U	2.440	U	2.440	U			2.440	U			
	15-Jan-10		3.850		3.690		2.820		3.180		3.240		3.630		3.120		3.750		2.600				2.600	U			
	21-Apr-10		2.550		2.440	U	2.440	U	2.440	U	2.440	U	2.400	U	2.520	U	2.440	U	2.460	U			2.460	U			
	16-Jul-10		1.510		1.660		1.050		1.090		1.680		1.110		1.300		1.100		1.510				1.510	U			
	15-Oct-10		1.080		1.080		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		1.030	U	1.030	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U			NS	U			
	26-Jan-11		1.760	U	1.750	U	1.760	U	1.760	U	1.760	U	1.750	U	1.750	U	1.760	U	1.750	U	1.750	U	1.750	U			
	26-Jan-11**		NS		1.100		1.000		NS		NS		NS		NS		NS		NS		1.750	U	1.760	U			
	27-Apr-11		1.050		1.660		1.400		2.160		1.440		1.510		1.740		1.460		1.270				1.270	U			
	26-Jul-11		1.160		1.600		1.030	U	1.120	U	1.030	U	1.030	U	1.030	U	1.030	U	1.030	U			1.030	U			
	28-Oct-11		1.400		1.000		1.300		1.500		1.300		0.960		1.000		1.100		1.300				1.300	U			
	23-Jan-12		1.300		1.100		1.100		1.200		1.400		1.900		1.500		1.500		1.100				1.100	U			
	13-Apr-12		1.300		1.400		1.400		1.500		1.100		1.000		1.000		1.200		0.840				0.840	U			
	2-Jul-12 resample		NS		NS		NS		NS		NS		NS		NS		NS		1.100				1.100	U			
	20-Jun-12		1.700		0.041	U	0.041	U	0.041	U	0.041	U	0.041	U	1.500	U	0.041	U	1.300				1.300	U			
	1-Nov-12		1.100		1.100		0.910		1.200		1.000		1.200		1.100		1.100		0.990				0.990	U			
	1-Feb-13		1.200		1.300		1.200		1.200		1.200		1.400		1.300		1.100		1.100				1.100	U			
	29-Apr-13		1.300		1.300		1.300		1.200		1.800		1.300		1.300		1.300		1.100				1.100	U			
	9-Jul-13		1.100		1.100		0.900		1.100		2.200		1.000		0.980		1.100		1.000				1.000	U		1.2	1.1
	9-Jul-13 RIDEM		NS		NS		NS		NS		1.142		NS		NS		NS		1.164				1.164	U			1.167
	18-Oct-13		0.880		1.100		1.200		1.100		1.200		1.200		1.300		1.300		1.100				1.100	U			
	9-Jan-14		0.900		0.950		1.000		1.100		1.000		1.100		1.100		1.200		1.100				1.100	U			
	24-Apr-14		1.100		1.300		1.100		1.100		1.400		1.400		1.600		1.600		0.940				0.940	U			
	1-Aug-14		0.083	U	0.083	U	0.083	U	0.120	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U			0.083	U			
12-Sept-14 resample		NS		NS		NS		NS		NS		NS		1.100 ^L		NS		NS				NS	U				
22-Oct-14		0.780 ^L		0.810 ^L		1.100 ^L		0.880 ^L		1.000 ^L		1.300 ^L		1.300 ^L		1.200 ^L		0.890 ^L				0.890 ^L	U				
20-Jan-15		0.820 ^L		0.970 ^L		0.072 ^L		0.081 ^L		0.089 ^L		1.100 ^L		1.000 ^L		0.083 ^L		0.820 ^L				0.820 ^L	U				
30-Mar-15 resample		NS		NS		NS		NS		NS		NS		NS		NS		0.095				NS	U				
22-Apr-15		1.200		1.300		4.600 ^V		1.400		1.400		1.200		2.700		3.400		1.100				1.100	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				
	27-Mar-08		0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U			0.096	U			
	25-Apr-08		0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U			0.096	U			
	29-May-08		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U			0.100	U			
	27-Jun-08		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.308	U	0.100	U	0.096	U			0.096	U			
	31-Jul-08		0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U			0.096	U			
	28-Aug-08		0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U			0.096	U			
	30-Sep-08		4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U			4.200	U			
	27-Oct-08		4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U			4.200	U			
	25-Nov-08																										

**Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - April 2015**

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Kitchen Storage Rm		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Cntr (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-Dibromoethane (8-Feb-08		0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U					0.150	U				
	27-Mar-08		0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U					0.154	U				
	25-Apr-08		0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U					0.154	U				
	29-May-08		0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U					0.150	U				
	27-Jun-08		0.150	U	0.150	U	0.154	U	0.154	U	0.150	U	0.150	U	0.150	U	0.629	U	0.154	U			0.150	U				
	31-Jul-08		0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U			0.154	U				
	28-Aug-08		0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U			0.154	U				
	27-Oct-08		0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U			0.150	U				
	27-Oct-08		0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U			0.150	U				
	25-Nov-08		0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U			0.150	U				
	18-Dec-08		0.150	U	0.150	U	0.280	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U			0.150	U				
	21-Jan-09		0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U			0.150	U				
	25-Feb-09		0.150	U	0.150	U	0.150	U	0.150	U	NS	U	0.150	U	0.150	U	0.150	U	0.150	U			0.150	U				
	26-Mar-09		0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U			0.154	U				
	29-Apr-09		0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U			0.154	U				
	22-Jul-09		0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U			0.154	U				
	9-Oct-09		0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U			0.154	U				
	15-Jan-10		0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U			0.154	U				
	21-Apr-10		0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U			0.154	U				
	16-Jul-10		0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U			0.154	U				
	15-Oct-10		0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U			0.154	U				
	30-Nov-10		NS	U	0.154	U	0.154	U	0.154	U	NS	U	NS	U	NS	U	0.154	U	NS	U			NS	U				
	26-Jan-11		0.262	U	0.261	U	0.262	U	0.261	U	0.262	U	0.261	U	0.261	U	0.261	U	0.262	U	0.261	U	0.262	U	0.261	U		
	26-Jan-11**		NS	U	0.380	U	0.380	U	NS	U	NS	U	NS	U	NS	U	0.380	U	NS	U			NS	U				
	27-Apr-11		0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U			0.154	U				
	26-Jul-11		0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U			0.154	U				
	28-Oct-11		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U			0.077	U				
	23-Jan-12		0.270	U	0.270	U	0.270	U	0.270	U	0.270	U	0.270	U	0.270	U	0.270	U	0.270	U			0.270	U				
	13-Apr-12		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U			0.150	U				
	2-Jul-12 resample		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U			0.120	U				
	20-Jun-12		0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U			0.150	U				
	1-Nov-12		0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U			0.077	U				
	1-Feb-13		0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U			0.077	U				
	29-Apr-13		0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U			0.077	U				
	9-Jul-13		0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U			0.077	U	0.077	U	0.077	U
	18-Oct-13		0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U			0.150	U				
	9-Jan-14		0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.170	U	0.150	U			0.150	U				
	24-Apr-14		0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.150	U			0.077	U				
	1-Aug-14		0.150	U	0.150	U	0.150	U	0.230	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U			0.150	U				
	12-Sept-14 resample		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U			NS	U				
22-Oct-14		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U			0.120	U					
20-Jan-15		0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.120	U	0.077	U			0.077	U					
30-Mar-15 resample		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.088	U			NS	U					
22-Apr-15		0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U	0.077	U			0.077	U					
1,2-Dichlorobenzene	8-Feb-08		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U					0.120	U				
	27-Mar-08		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U			0.120	U				
	25-Apr-08		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U			0.120	U				
	29-May-08		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U			0.120	U				
	27-Jun-08		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.822	U	0.120	U			0.120	U				
	31-Jul-08		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U			0.120	U				
	28-Aug-08		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U			0.120	U				
	30-Sep-08		3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U			3.000	U				
	27-Oct-08		3.000	U	3.000	U																						

**Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - April 2015**

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Kitchen Storage Rm		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Cntr (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)		AOA-2	AOA-3	
			Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value
Dichlorodifluoromethane	8-Feb-08		1.960		1.860		1.980		1.890		1.830		1.940		1.980		1.890						2.020				
	27-Mar-08		2.420		2.380		2.280		2.110		2.600		2.560		2.700		2.070						2.210				
	25-Apr-08		2.060		2.100		2.010		2.030		1.990		2.030		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		2.370		2.240		2.220		2.250		2.250						2.220				
	31-Jul-08		2.030		2.020		1.970		1.970		1.910		1.920		1.920		1.900						1.850				
	28-Aug-08		3.600		2.870		2.920		2.920		2.800		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		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	U				2.500	U	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	U				2.500	U	U		
	18-Dec-08		2.700		2.500		2.500		2.500		2.500		2.500		2.500		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	U				2.500	U	U		
	25-Feb-09		2.500	U	2.500	U	2.500	U	NS		2.500	U	2.500	U	2.500	U	2.500	U	U				2.500	U	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		2.320		2.320		2.320		2.260		2.320		2.330						2.240				
	16-Jul-10		2.480		2.560		2.430		2.520		3.690		2.480		2.550		2.480						2.740				
	15-Oct-10		2.460		2.410		2.560		2.400		2.470		2.410		2.450		2.450						2.630				
	30-Nov-10		NS		2.480		2.550		NS		NS		NS		2.390		NS					2.440					
	26-Jan-11		2.680		2.640		2.340		2.660		2.150		2.580		2.370		2.560				2.230	2.480	2.440				
	26-Jan-11**		NS		2.800		2.700		NS		NS		NS		2.600		NS					2.460					
	27-Apr-11		2.070		2.820		2.200		2.450		2.160		2.210		2.220		2.210						2.350				
	26-Jul-11		2.290		2.270		2.270		2.260		2.340		2.250		2.260		2.250						2.500				
	28-Oct-11		2.700		2.400		2.800		2.600		2.800		2.500		2.600		2.800						2.000				
	23-Jan-12		1.700		1.800		1.600		1.500		2.000		2.000		1.800		1.900						1.300				
	13-Apr-12		2.100		2.100		2.000		2.000		1.800		1.900		1.700		2.700						2.500				
	2-Jul-12 resample		NS		NS		NS		NS		NS		NS		NS		2.700					2.300					
	20-Jun-12		2.500		2.600		2.500		2.400		2.700		2.300		2.500		2.500						2.100				
	1-Nov-12		2.000		2.200		2.100		2.200		2.100		2.100		2.100		2.000						1.600				
	1-Feb-13		1.600		1.600		1.600		1.600		1.600		1.600		1.600		1.700						2.400				
	29-Apr-13		2.400		2.600		2.600		2.400		2.400		2.300		2.400		2.400						1.000				
	9-Jul-13		0.950		0.980		0.930		0.960		0.990		1.000		0.980		0.970						2.000			1	1.1
	18-Oct-13		2.000		2.200		1.900		2.000		1.900		2.000		1.900		2.000						1.600				
	9-Jan-14		1.400		1.500		1.400		1.400		1.500		1.500		1.500		1.600						2.500				
	24-Apr-14		2.300		2.400		2.300		2.400		2.400		2.400		2.500		4.100						1.700				
	1-Aug-14		1.500		1.600		1.500		1.600		1.500		1.600		2.300/1.500		1.500						NS				
	12-Sept-14 resample		NS		NS		NS		NS		NS		NS		2.400		NS					NS					
22-Oct-14		1.400		1.400		1.400		1.500		1.400		1.500		1.400		1.300						1.500					
20-Jan-15		1.400		1.500		1.300		1.400		1.500		1.400		1.500		1.500						NS					
30-Mar-15 resample		NS		NS		NS		NS		NS		NS		NS		1.400					NS						
22-Apr-15		1.800		1.800		4.200 ^v		1.800		1.700		1.700		1.900		1.700						1.600					
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				0.080	U				
	27-Mar-08		0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U				0.081	U				
	25-Apr-08		0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U				0.081	U				
	29-May-08		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U				0.080	U				
	27-Jun-08		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U				0.080	U				
	31-Jul-08		0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U				0.081	U				
	28-Aug-08		0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U				0.081	U				
	30-Sep-08		2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U				2.000	U				
	27-Oct-08		2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U				2.000	U				
	25-Nov-08		2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U				2.000	U				
	18-Dec-08		2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U				2.000	U				
	21-Jan-09		2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U				2.000	U				
	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				2.000	U				
	26-Mar-09		0.081	U	0.081	U	0.081	U	0.081	U	0.081																

**Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - April 2015**

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Kitchen Storage Rm		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Cntr (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	
trans-1,3-Dichloropro	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				
	27-Mar-08		0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U				
	25-Apr-08		0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U				
	29-May-08		0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U				
	27-Jun-08		0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U				
	31-Jul-08		0.090	U	0.090	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U				
	28-Aug-08		0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U				
	27-Oct-08		0.180	U	0.180	U	0.200	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U				
	27-Oct-08		0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U				
	25-Nov-08		0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U				
	18-Dec-08		0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U				
	21-Jan-09		0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U				
	25-Feb-09		0.180	U	0.180	U	0.180	U	0.180	U	NS	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U				
	26-Mar-09		0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U				
	29-Apr-09		0.091	U	0.091	U	0.107	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U				
	22-Jul-09		0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U				
	9-Oct-09		0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U				
	15-Jan-10		0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U				
	21-Apr-10		0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U				
	16-Jul-10		0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U				
	15-Oct-10		0.091	U	0.092	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U				
	30-Nov-10		NS	U	0.091	U	0.091	U	0.091	U	NS	U	NS	U	NS	U	0.091	U	NS	U	0.154	U	0.155	U				
	26-Jan-11		0.155	U	0.154	U	0.155	U	0.154	U	0.154	U	0.155	U	0.154	U	0.154	U	0.155	U	0.154	U	0.155	U				
	26-Jan-11**		NS	U	0.230	U	0.230	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.154	U	0.155	U				
	27-Apr-11		0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U				
	26-Jul-11		0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U				
	28-Oct-11		0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	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				
	13-Apr-12		0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U				
	2-Jul-12 resample		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.154	U	0.155	U				
	20-Jun-12		0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U				
	1-Nov-12		0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U				
	1-Feb-13		0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U				
	29-Apr-13		0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U				
	9-Jul-13		0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U				
	9-Jul-13 RIDEM		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.045	U	0.045	U	0.045	U	0.049	U
	18-Oct-13		0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U				
	9-Jan-14		0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U				
	24-Apr-14		0.045	U	0.045	U	0.045	U	0.040	U	0.040	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U				
	1-Aug-14		0.091	U	0.091	U	0.091	U	0.091	U	0.140	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U				
12-Sept-14 resample		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.045	U	NS	U	0.091	U	0.091	U					
22-Oct-14		0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U					
20-Jan-15		0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.046	U	0.046	U	0.046	U					
30-Mar-15 resample		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.052	U	0.052	U	0.052	U					
22-Apr-15		0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U					
Ethylbenzene	8-Feb-08		0.260		0.230		0.620		0.450		0.250		0.170		0.160		0.180		0.180		0.220		0.220					
	27-Mar-08		0.841		0.669		1.020		0.869		0.894		1.000		0.628		0.619		0.619		0.096		0.096					
	25-Apr-08		0.770		0.637		2.200		0.711		0.678		0.712		0.650		0.705		0.650		0.087		0.087					
	29-May-08		0.140		0.120		1.310		0.620		0.120		0.160		0.150		0.110		0.110		0.090		0.090					
	27-Jun-08		0.555		0.412		1.080		0.987		0.478		0.400		0.802		0.360		0.360		0.369		0.369					
	31-Jul-08		0.553		0.449		1.140		0.424		0.426		0.491		0.262		0.216		0.216		0.255		0.255					
	28-Aug-08																											

**Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - April 2015**

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Kitchen Storage Rm		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Cntr (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)		AOA-2	AOA-3		
			Value	Qual	Value	Qual	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		2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U					2.460	U				
	27-Mar-08		2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U					2.460	U				
	25-Apr-08		2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U					2.460	U				
	29-May-08		2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U					2.460	U				
	27-Jun-08		2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U					2.460	U				
	31-Jul-08		2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U					2.460	U				
	28-Aug-08		2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U					2.460	U				
	30-Sep-08		4.900	U	4.900	U	4.900	U	4.900	U	4.900	U	4.900	U	4.900	U	4.900	U	12.700	U			4.900	U				
	27-Oct-08		4.900	U	4.900	U	4.900	U	4.900	U	4.900	U	4.900	U	4.900	U	4.900	U	4.900	U			4.900	U				
	25-Nov-08		4.900	U	4.900	U	4.900	U	4.900	U	4.900	U	4.900	U	4.900	U	4.900	U	4.900	U			4.900	U				
	18-Dec-08		4.900	U	4.900	U	4.900	U	4.900	U	4.900	U	4.900	U	4.900	U	4.900	U	4.900	U			4.900	U				
	21-Jan-09		4.900	U	4.900	U	4.900	U	4.900	U	4.900	U	4.900	U	4.900	U	4.900	U	4.900	U			4.900	U				
	25-Feb-09		4.900	U	4.900	U	2.460	U	NS	U	NS	U	4.900	U	4.900	U	4.900	U	4.900	U			4.900	U				
	26-Mar-09		2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U			2.460	U				
	29-Apr-09		2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U			2.460	U				
	22-Jul-09		2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U			2.460	U				
	9-Oct-09		2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U			2.460	U				
	15-Jan-10		2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U			2.460	U				
	21-Apr-10		2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U			2.460	U				
	16-Jul-10		2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	0.043	I			2.460	U				
	15-Oct-10		2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U			2.460	U				
	30-Nov-10		NS	U	2.460	U	2.460	U	NS	U	NS	U	NS	U	NS	U	2.460	U	NS	U			NS	U				
	26-Jan-11		4.190	U	4.180	U	4.190	U	4.180	U	4.190	U	4.170	U	4.180	U	4.190	U	4.190	U	4.180	U	4.180	U				
	26-Jan-11**		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U			NS	U				
	27-Apr-11		2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U			2.460	U				
	26-Jul-11		2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U			2.460	U				
	28-Oct-11		0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U			0.250	U				
	23-Jan-12		0.440	U	0.440	U	0.440	U	0.440	U	0.440	U	0.440	U	0.440	U	0.440	U	0.440	U			0.440	U				
	13-Apr-12		0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U			0.500	U				
	2-Jul-12 resample		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U			0.370	U				
	20-Jun-12		0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U			0.250	U				
	1-Nov-12		0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U			0.250	U				
	1-Feb-13		0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U			0.250	U				
	29-Apr-13		0.250	U	0.250	U	0.250	U	0.250	U	0.051	U	0.250	U	0.250	U	0.250	U	0.250	U			0.250	U				
	9-Jul-13		0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U			0.250	U				
	9-Jul-13 RIDEM		NS	U	NS	U	NS	U	NS	U	0.050	J	NS	U	NS	U	NS	U	NS	U			0.024	J	0.25	U	0.25	U
	18-Oct-13		0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U			0.250	U				
	9-Jan-14		0.250	U	0.390	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U			0.250	U				
	24-Apr-14		0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U			0.250	U				
	1-Aug-14		0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U			0.250	U				
12-Sept-14 resample		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U			NS	U					
22-Oct-14		0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U			0.370	U					
20-Jan-15		0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.370	U	0.250	U	0.250	U			0.370	U					
30-Mar-15 resample		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.290	U			NS	U					
22-Apr-15		0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U			0.250	U					
p-Isopropyltoluene	8-Feb-08		2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U					2.740	U				
	27-Mar-08		2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U			2.740	U				
	25-Apr-08		2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U			2.740	U				
	29-May-08		2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U			2.740	U				
	27-Jun-08		2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U			2.740	U				
	31-Jul-08		2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U			2.740	U				
	28-Aug-08		2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U			2.740	U				
	30-Sep-08		5.500	U	5.500	U	5.5	U	5.500	U	5.500	U	6.400	U	5.500	U												

Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - April 2015

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Kitchen Storage Rm		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Cntr (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
4-Methyl-2-pentanone	8-Feb-08		2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U		2.050	U				
	27-Mar-08		2.050	U	2.105	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U		2.050	U				
	25-Apr-08		2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U		2.050	U				
	29-May-08		2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U		2.050	U				
	27-Jun-08		2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U		2.050	U				
	31-Jul-08		2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U		2.050	U				
	28-Aug-08		2.050	U	2.050	U	2.050	U	2.050	U	2.540	U	2.050	U	2.050	U	2.050	U	2.050	U		2.050	U				
	30-Sep-08		2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U		2.000	U				
	27-Oct-08		2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U		2.000	U				
	25-Nov-08		2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U		2.000	U				
	18-Dec-08		2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U		2.000	U				
	21-Jan-09		2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U		2.000	U				
	25-Feb-09		2.000	U	2.000	U	2.000	U	2.000	U	NS	U	2.600	U	2.000	U	2.000	U	2.000	U		2.000	U				
	26-Mar-09		2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U		2.050	U				
	29-Apr-09		2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U		2.050	U				
	22-Jul-09		2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U		2.050	U				
	9-Oct-09		2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U		2.050	U				
	15-Jan-10		2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U		2.050	U				
	21-Apr-10		2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.250	U		2.050	U				
	16-Jul-10		2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U		2.050	U				
	15-Oct-10		2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U		2.050	U				
	30-Nov-10		NS	U	2.050	U	2.050	U	NS	U	NS	U	NS	U	NS	U	2.050	U	NS	U		NS	U				
	26-Jan-11		37.0	U	3.490	U	3.480	U	3.490	U	3.480	U	3.490	U	59.500	U	3.480	U	6.760	U	3.480	U	3.480	U			
	26-Jan-11**		NS	U	0.200	U	0.200	U	0.200	U	NS	U	NS	U	NS	U	0.200	U	NS	U		NS	U				
	27-Apr-11		2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.930	U	2.050	U	2.050	U	2.050	U		2.050	U				
	26-Jul-11		11.700	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U		2.050	U				
	28-Oct-11		2.100	U	0.490	U	0.840	U	0.560	U	0.800	U	0.930	U	1.500	U	1.200	U	1.200	U		0.390	U				
	23-Jan-12		0.140	U	0.140	U	0.210	U	0.190	U	26.000	U	2.900	U	0.230	U	270.000	U	0.540	U		0.540	U				
	13-Apr-12		0.120	U	0.120	U	0.200	U	0.120	U	0.150	U	0.230	U	0.120	U	0.140	U	0.160	U		0.160	U				
	2-Jul-12 resample		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.140	U	0.120	U		0.120	U				
	20-Jun-12		0.230	U	0.082	U	0.460	U	0.250	U	0.320	U	0.270	U	0.190	U	0.320	U	0.120	U		0.120	U				
	1-Nov-12		0.082	U	0.260	U	0.180	U	0.420	U	0.500	U	0.650	U	0.082	U	0.220	U	0.170	U		0.170	U				
	1-Feb-13		0.093	U	0.100	U	0.120	U	0.082	U	0.190	U	0.280	U	0.082	U	0.082	U	0.095	U		0.095	U				
	29-Apr-13		2.900	U	0.290	U	0.290	U	0.420	U	0.510	U	0.320	U	0.450	U	0.400	U	0.390	U		0.390	U				
	9-Jul-13		0.250	U	0.320	U	0.300	U	0.320	U	0.350	U	0.400	U	0.270	U	0.280	U	0.220	U		0.220	U				
	18-Oct-13		1.800	U	0.220	U	0.190	U	1.500	U	2.200	U	0.850	U	3.300	U	2.400	U	1.500	U		1.500	U	0.28		0.26	
	9-Jan-14		0.082	U	0.082	U	0.110	U	0.130	U	0.150	U	0.360	U	0.110	U	1.400	U	0.082	U		0.082	U				
	24-Apr-14		0.240	U	0.120	U	0.300	U	0.130	U	0.082	U	0.140	U	0.120	U	0.082	U	0.082	U		0.082	U				
	1-Aug-14		0.082 ^L	U	0.082 ^L	U	0.560 ^L	U	0.380 ^L	U	0.082 ^L	U	0.380	U	0.082 ^L	U	0.280	U	0.620	U		0.620	U				
	12-Sept-14 resample		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.250	U	NS	U		NS	U				
	22-Oct-14		0.120	U	0.120	U	0.170	U	0.140	U	0.280	U	1.200	U	0.120	U	0.250	U	0.120	U		0.120	U				
20-Jan-15		0.500	U	0.570	U	0.610	U	0.800	U	0.560	U	0.800	U	0.550	U	0.310	U	1.700	U		1.700	U					
30-Mar-15 resample		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.440	U	NS	U		NS	U					
22-Apr-15		0.390	U	0.450	U	0.710	U	0.260	U	0.290	U	0.260	U	0.460	U	0.860	U	0.490	U		0.490	U					
Styrene	8-Feb-08		0.710	U	0.130	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		1.200	U	0.118	U	0.165	U	0.140	U	0.175	U	0.137	U	0.158	U	0.124	U	0.085	U		0.085	U				
	25-Apr-08		0.856	U	0.156	U	0.180	U	0.184	U	0.137	U	0.137	U	0.158	U	0.124	U	0.085	U		0.085	U				
	29-May-08		0.550	U	0.085	U	0.130	U	0.260	U	0.090	U	0.110	U	0.090	U	0.090	U	0.090	U		0.090	U				
	27-Jun-08		1.830	U	0.085	U	0.112	U	0.186	U	0.191	U	0.085	U	0.481	U	0.090	U	0.085	U		0.085	U				
	31-Jul-08		1.890	U	0.254	U	0.153	U	0.266	U	0.285	U	0.288	U	0.109	U	0.090	U	0.085	U		0.085	U				
	28-Aug-08		0.654	U	0.368	U	0.262	U	0.392	U	0.203	U	0.165	U	0.169	U	0.140	U	0.108	U		0.108	U				
	30-Sep-08		2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U		2.100	U				
	27-Oct-08		2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U		2.100	U				
	25-Nov-08		2.100	U																							

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Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Kitchen Storage Rm		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Cntr (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)		AOA-2	AOA-3				
			Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual		
1,1,1,2-Tetrachloroeth	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						
	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						
	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						
	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						
	27-Jun-08		0.137	U	0.140	U	0.140	U	0.140	U	0.137	U	0.140	U	0.140	U	0.179	U	0.140	U					0.140	U				
	31-Jul-08		0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U					0.137	U				
	28-Aug-08		0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U					0.137	U				
	30-Sep-08		0.140	U	0.140	U	0.140	U	0.140	U	0.137	U	0.140	U	0.140	U	0.140	U	0.137	U					0.140	U				
	27-Oct-08		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U					0.140	U				
	25-Nov-08		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U					0.140	U				
	18-Dec-08		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U					0.140	U				
	21-Jan-09		0.140	U	0.140	U	5.000	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U					0.140	U				
	25-Feb-09		0.140	U	0.140	U	0.320	U	NS	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U					0.140	U				
	26-Mar-09		0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U					0.137	U				
	29-Apr-09		0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U					0.137	U				
	22-Jul-09		0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U					0.137	U				
	9-Oct-09		0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U					0.137	U				
	15-Jan-10		0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U					0.137	U				
	21-Apr-10		0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U					0.137	U				
	16-Jul-10		0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U					0.137	U				
	15-Oct-10		0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U					0.137	U				
	30-Nov-10		NS	U	0.137	U	0.137	U	NS	U	NS	U	NS	U	NS	U	0.137	U	NS	U					NS	U				
	26-Jan-11		0.234	U	0.233	U	0.234	U	0.234	U	0.234	U	0.234	U	0.233	U	0.233	U	0.234	U	0.233	U	0.234	U	0.233	U				
	26-Jan-11**		NS	U		U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					NS	U				
	27-Apr-11		0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U					0.137	U				
	26-Jul-11		0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U					0.137	U				
	28-Oct-11		0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U					0.250	U				
	23-Jan-12		0.440	U	0.440	U	0.440	U	0.440	U	0.440	U	0.440	U	0.440	U	0.440	U	0.440	U					0.440	U				
	13-Apr-12		0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U					0.500	U				
	2-Jul-12 resample		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					0.370	U				
	20-Jun-12		0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U					0.250	U				
	1-Nov-12		0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U					0.250	U				
	1-Feb-13		0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U					0.250	U				
	29-Apr-13		0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U					0.025	U				
	9-Jul-13		0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U					0.250	U	0.25	U	0.25	U
	18-Oct-13		0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U					0.250	U				
	9-Jan-14		0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U					0.250	U				
	24-Apr-14		0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U					0.250	U				
	1-Aug-14		0.250	U	0.250	U	0.250	U	0.250	U	0.370	U	0.250	U	0.250	U	0.250	U	0.250	U					0.250	U				
	12-Sept-14 resample		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					NS	U				
	22-Oct-14		0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U	0.370	U					0.370	U				
	20-Jan-15		0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.370	U	0.250	U					0.370	U				
	30-Mar-15 resample		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.290	U					NS	U				
	22-Apr-15		0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U					0.250	U				
	1,1,2,2-Tetrachloroeth	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					
27-Mar-08			0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U					0.137	U				
25-Apr-08			0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U					0.137	U				
29-May-08			0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U					0.140	U				
27-Jun-08			0.140	U	0.140	U	0.140	U	0.137	U	0.140	U	0.140	U	0.140	U	0.992	U	0.140	U					0.140	U				
31-Jul-08			0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U					0.137	U				
28-Aug-08			0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U					0.137	U				
30-Sep-08			0.140	U	0.140	U	0.1																							

**Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - April 2015**

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Kitchen Storage Rm		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Cntr (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
1,1,1-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			
	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			
	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			
	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			
	27-Jun-08		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.109	U	0.109	U	0.110	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			
	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			
	30-Sep-08		2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U					2.700	U			
	27-Oct-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			
	25-Nov-08		2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U					2.700	U			
	18-Dec-08		2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U					2.700	U			
	21-Jan-09		2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U					2.700	U			
	25-Feb-09		2.700	U	2.700	U	2.700	U	2.700	U	NS	U	2.700	U	2.700	U	2.700	U					2.700	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	1.090	U					0.109	U			
	29-Apr-09		0.120	U	0.109	U	0.109	U	0.109	U	0.109	U	0.153	U	0.174	U	0.229	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			
	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			
	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			
	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			
	16-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			
	15-Oct-10		0.109	U	0.109	U	1.090	U	1.090	U	1.090	U	1.090	U	1.090	U	1.090	U					0.109	U			
	30-Nov-10		NS	U	0.109	U	0.109	U	NS	U	NS	U	NS	U	NS	U	0.109	U					NS	U			
	26-Jan-11		0.186	U	0.185	U	0.186	U	0.186	U	0.186	U	0.180	U	0.185	U	0.185	U			0.185	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			0.185	U	0.186	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			
	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			
	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					0.055	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			
	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					0.110	U			
	2-Jul-12 resample		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			
	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			
	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			
	29-Apr-13		0.110	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			
	9-Jul-13 RIDEM		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					0.034	U	0.055	U	0.033
	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			
	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			
	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			
	1-Aug-14		0.110	U	0.110	U	0.110	U	0.110	U	0.160	U	0.110	U	0.110	U	0.110	U					0.110	U			
	12-Sept-14 resample		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.055	U					NS	U			
	22-Oct-14		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			
	20-Jan-15		0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.270	U					0.082	U			
30-Mar-15 resample		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					NS	U				
22-Apr-15		0.055	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				
1,1,2-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			
	27-Mar-08		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.112	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			
	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			
	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					0.110	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			
	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			
	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			
	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			
	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			
	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			
	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			
	25-Feb-09		0.110	U	0.110	U	0.110	U	0.110	U	NS	U	0.110	U	0.110	U	0.110	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			
	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			
	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			
	9-Oct-09		0.109	U	0.109	U																					

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Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Kitchen Storage Rm		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Cntr (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor (AOA-1)		AOA-2	AOA-3	
			Concentration	Qual	Concentration	Qual	Concentration	Qual	Concentration	Qual	Concentration	Qual	Concentration	Qual	Concentration	Qual	Concentration	Qual	Concentration	Qual	Concentration	Qual	Concentration	Qual	Concentration	Qual	Concentration
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						0.098	U			
	25-Apr-08		0.998		1.760		11.700		1.640		0.909		0.839		0.911		0.750						0.098	U			
	29-May-08		0.300		0.470		8.320		6.680		0.270		0.960		0.690		0.110						0.100	U			
	27-Jun-08		1.560		0.443		2.120		3.040		0.634		0.246		0.722		0.206						0.175				
	31-Jul-08		1.650		1.360		1.380		2.080		0.959		1.940		0.207		0.142						0.157				
	28-Aug-08		0.438		1.430		3.690		5.340		0.642		0.461		0.455		0.464						0.354				
	30-Sep-08		2.500	U	2.500	U	2.500	U	2.000	U	6.800	U	2.500	U	2.500	U	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	3.900	U	NS	NS	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				
	29-Apr-09		1.520		0.368		1.340		1.200		0.192		0.098	U	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		0.521		0.206		0.196		0.216		0.196						0.196				
	21-Apr-10		0.393		0.845		4.590		0.643		0.570		0.545		0.427	U	0.476						0.098	U			
	16-Jul-10		0.354		0.216		0.388		0.344		0.250		0.138		0.511		0.187						0.108				
	15-Oct-10		0.319		0.408		0.329		0.211		0.098	U	0.098	U	0.319		0.098	U					0.098	U			
	30-Nov-10		NS		0.334		0.560		NS		NS		NS		0.098	U	NS					NS					
	26-Jan-11		1.010		1.120		1.100		1.200		0.780		0.917		0.868		1.030		1.000		0.168	U	0.994				
	26-Jan-11**		NS		1.900		2.100		NS		NS		NS		2.000		NS						NS				
	27-Apr-11		0.138		0.280		2.080		0.255		0.147		0.113		0.172		0.113						0.128				
	26-Jul-11		0.575		2.160		0.285		0.236		0.157		0.290		0.177		0.123						0.123				
	28-Oct-11		0.340		0.220		0.300		0.290		0.230		0.260		0.310		0.330						0.098	U			
	23-Jan-12		0.660		0.580		0.580		0.710		0.380		1.000		0.520		0.650						0.470				
	13-Apr-12		0.400		0.410		0.760		0.480		0.340		0.340		0.290		0.360						0.240				
	2-Jul-12 resample		NS		NS		NS		NS		NS		NS		NS		0.150	U				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		0.180		0.170		0.160		0.150		0.120		0.220		0.160						0.098	U			
	29-Apr-13		0.990		0.540		0.540		0.700		0.320		0.580		0.440		0.440						0.130				
	9-Jul-13		0.480		0.410		0.280		0.340		0.440		0.230		0.300		0.240						0.190			0.25	0.35
	9-Jul-13 RIDEM		NS		NS		NS		NS		NS		NS		NS		NS						0.230				
	18-Oct-13		2.600		0.098	U	0.120		2.400		3.200		0.140		3.600		3.200						2.300				
	9-Jan-14		4.500		8.900		0.220		0.180		0.180		0.180		0.290		0.240						0.120				
	24-Apr-14		0.120		0.098	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				
12-Sept-14 resample		NS		NS		NS		NS		NS		NS		0.120		NS						NS					
22-Oct-14		0.150	U	0.170		0.160		0.150	U	0.150	U	0.150	U	0.160		0.150	U					0.160	U				
20-Jan-15		0.150		0.560		0.098	U	0.160	U	0.098	U	0.370		0.170		0.490						0.150	U				
30-Mar-15 resample		NS		NS		NS		NS		NS		NS		NS		0.160						NS					
22-Apr-15		0.380		0.510		0.570		0.450		0.630		0.350		0.480		0.510						0.190					
1,3,5-Trimethylbenzene	8-Feb-08		0.460		0.450		1.300		0.980		0.100	U	0.100	U	0.100	U	0.100	U				0.100	U				
	27-Mar-08		0.535		0.652		1.620		1.530		0.292		0.438		0.256		0.334					0.098	U				
	25-Apr-08		0.367		0.816		7.170		0.802		0.342		0.293		0.375		0.280					0.098	U				
	29-May-08		0.170		0.220		4.710		4.050		0.140		0.640		0.470		0.100	U				0.100	U				
	27-Jun-08		0.942		0.232		1.100		1.580		0.385		0.102		0.387		0.100	U				0.098	U				
	31-Jul-08		1.040		0.782		0.671		1.360		0.570		1.190		0.098		0.098	U				0.098	U				
	28-Aug-08		0.170		0.732		1.950		2.990		0.270		0.181		0.155		0.100					0.100					
	30-Sep-08		2.500	U	2.500	U	2.500	U	2.500	U	2.500	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	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	NS	NS	2.500	U	2.500	U	2.500												

**Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - April 2015**

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Kitchen Storage Rm		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Cntr (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	
Vinyl chloride*	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				
	27-Mar-08		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U				
	25-Apr-08		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U				
	29-May-08		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U				
	27-Jun-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				
	31-Jul-08		0.050	U	0.050	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U				
	28-Aug-08		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U				
	30-Sep-08		0.100	U	0.100	U	0.130	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U				
	27-Oct-08		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U				
	25-Nov-08		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U				
	18-Dec-08		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U				
	21-Jan-09		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U				
	25-Feb-09		0.100	U	0.100	U	0.100	U	0.100	U	NS	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U				
	26-Mar-09		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U				
	29-Apr-09		0.051	U	0.051	U	1.080	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U				
	22-Jul-09		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U				
	9-Oct-09		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U				
	15-Jan-10		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U				
	21-Apr-10		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U				
	16-Jul-10		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U				
	15-Oct-10		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U				
	30-Nov-10		NS	U	0.051	U	0.051	U	0.051	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U				
	26-Jan-11		0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U	0.087	U				
	26-Jan-11**	0.1	NS	U	0.130	U	0.130	U	0.130	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.087	U	0.087	U				
	27-Apr-11		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U				
	26-Jul-11		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U				
	28-Oct-11		0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U				
	23-Jan-12		0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U				
	13-Apr-12		0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U				
	2-Jul-12 resample		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U				
	20-Jun-12		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U				
	1-Nov-12		0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U				
	1-Feb-13		0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U				
	29-Apr-13		0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U				
	9-Jul-13		0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U				
	9-Jul-13 RIDEM		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.026	U	0.026	U
	18-Oct-13		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U				
	9-Jan-14		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U				
	24-Apr-14		0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U				
	1-Aug-14		0.051	U	0.051	U	0.051	U	0.077	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U				
12-Sept-14 resample		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					
22-Oct-14		0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U					
20-Jan-15		0.026 ^L	U	0.026 ^L	U	0.026 ^L	U	0.026 ^L	U	0.026 ^L	U	0.026 ^L	U	0.026 ^L	U	0.026 ^L	U	0.026 ^L	U	0.026 ^L	U	0.026 ^L	U					
30-Mar-15 resample		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U					
22-Apr-15		0.026	U	0.026	U	0.026 ^V	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U					
p/m-Xylene	8-Feb-08		0.710		0.660		2.110		1.460		0.550		0.450		0.390		0.420						0.580					
	27-Mar-08		2.460		2.080		3.510		2.960		2.620		2.890		1.810		1.910						0.269					
	25-Apr-08		2.220		1.870		8.240		2.960		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		1.160		3.330		1.140		1.140		1.370		0.656		0.488						0.656					
	28-Aug-08		2.130		3.220		8.690		8.200		1.910		2.1															

**Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
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Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/ Interim RIDEM-Approved Action Level	Kitchen Storage Rm		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Cntr (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
o-Xylene	8-Feb-08		0.280		0.270		0.870		0.610		0.210		0.170		0.150		0.160		0.200				0.200					
	27-Mar-08		0.762		0.718		1.340		1.120		0.920		1.060		0.640		0.668		0.087				0.087	U				
	25-Apr-08		0.824		0.724		3.480		0.821		0.750		0.770		0.786		0.680		0.087				0.087	U				
	29-May-08		0.130		0.120		2.080		1.000		0.110		0.180		0.150		0.090		0.090				0.090	U				
	27-Jun-08		0.463		0.393		1.030		1.030		0.485		0.358		0.833		0.339		0.332				0.332					
	31-Jul-08		0.476		0.375		0.822		0.371		0.420		0.583		0.240		0.207		0.246				0.246					
	28-Aug-08		0.779		1.020		2.210		2.160		0.683		0.787		0.812		0.702		0.832				0.832					
	30-Sep-08		2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.600		2.200				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		2.200				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		2.200				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		2.200				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		2.200				2.200	U				
	25-Feb-09		2.200	U	2.200	U	2.600	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200		2.200				2.200	U				
	26-Mar-09		1.080		0.798		1.090		1.020		0.551		0.718		0.824		0.651		0.826				0.826					
	29-Apr-09		0.143		0.186		0.085	U	0.442		0.165		0.100		0.104		0.108		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				1.240					
	9-Oct-09		0.850		0.724		0.954		0.920		0.764		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		0.273				0.273					
	21-Apr-10		0.425		0.686		1.260		0.577		0.629		0.603		0.564		0.482		0.087				0.087	U				
	16-Jul-10		0.273		0.186		0.312		0.304		0.304		0.200		0.703		0.230		0.126				0.126					
	15-Oct-10		0.186		0.265		0.347	U	0.130	U	0.139		0.087	U	2.000		0.087	U	0.104				0.104					
	30-Nov-10		NS		0.226		0.325		NS		NS		NS		0.091		NS		NS				NS					
	26-Jan-11		1.000		0.981		1.020		1.150		0.948		1.030		0.922		1.270		1.280				1.280					
	26-Jan-11**		NS		1.600		1.900		NS		NS		NS		1.900		NS		NS				NS					
	27-Apr-11		0.133		0.134		0.616		0.208		0.824		0.091		0.152		0.080		0.095				0.095					
	26-Jul-11		0.439		1.520		0.643		2.210		0.295		0.395		0.308		0.165		0.139				0.139					
	28-Oct-11		0.810		0.360		0.440		0.260		0.450		0.550		0.660		0.470		0.180				0.180					
	23-Jan-12		0.630		0.520		0.530		0.620		0.530		0.580		0.580		0.600		0.590				0.590					
	13-Apr-12		0.320		0.270		0.320		0.270		0.280		0.300		0.270		0.220		0.200				0.200					
	2-Jul-12 resample		NS		NS		NS		NS		NS		NS		NS		0.130	U	0.130				0.130	U				
	20-Jun-12		0.470		0.056		0.430		0.580		0.490		0.460		0.530		0.510		0.280				0.280					
	1-Nov-12		0.860		0.480		0.350		0.510		0.480		0.780		0.930		0.710		0.140				0.140					
	1-Feb-13		0.110		0.089		0.087	U	0.087	U	0.092		0.090		0.220		0.087	U	0.140				0.140					
	29-Apr-13		0.590		0.460		0.460		0.450		0.450		0.330		0.910		0.430		0.120				0.120					
	9-Jul-13		0.350		0.320		0.300		0.350		0.340		0.300		0.330		0.310		0.290				0.290			0.33		0.44
	9-Jul-13 RIDEM		NS		NS		NS		NS		0.405		NS		NS		NS		0.330				0.330				0.44	0.493
	18-Oct-13		0.660		0.100		0.100		0.500		0.770		0.110		1.300		0.850		0.460				0.460					
	9-Jan-14		4.000		6.100		0.160		0.160		0.160		0.160		0.330		0.190		0.140				0.140					
	24-Apr-14		0.087	U	0.087	U	0.094		0.087	U	0.087	U	0.087	U	0.099		0.120		0.087				0.087	U				
	1-Aug-14		0.200		0.160		0.310		0.700		0.690		0.230		0.940		0.770		0.560				0.560					
12-Sept-14 resample		NS		NS		NS		NS		NS		NS		0.130		NS		NS				NS						
22-Oct-14		0.220		0.160		0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.160		0.250				0.250						
20-Jan-15		0.130		0.180		0.140		0.200		0.150		0.200		0.260		0.260		0.270				0.270						
30-Mar-15 resample		NS		NS		NS		NS		NS		NS		NS		0.140		NS				NS						
22-Apr-15		0.560		0.640		0.590		0.560		0.810		0.460		0.630		0.620		0.200				0.200						

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.

None: No Draft Proposed CT Residential TAC for this compound.

: exceedance of interim RIDEM-approved action level

* = Site Specific Compound of Concern per ATSDR Health Consultation, December 4, 2006.

** - Analyzed by Con-Test Analytical Laboratory

1: Elevated Data is a result of inadvertent cross-contamination at the laboratory, and not resultant from soil vapor intrusion. Media Center/Room 145 was resampled on 28 January 2008 with Tetrachloroethylene concentration not detected by the laboratory (MDL = 0.14 ug/m3)

2: Elevated Tetrachloroethylene and Acetone data detected on 27 March 2008 was determined to be the result of cleaning products (e.g., graffiti remover, stainless steel polish, etc.) introduced to the school in February and March, and not the result of soil vapor intrusion. Re-sampling effort on 25 April 2008 indicates no exceedances of applicable Acetone and Tetrachloroethylene Action Levels.

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.

APPENDIX C

Subslab Vapor Analytical Summary

**Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - April 2015**

Volatile Organic Compounds via TO-15		MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual
Sample Date																							
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		217		NS	
	25-Apr-08	NS		NS		188		NS		NS		NS		513		NS		NS		34		NS	
	29-May-08	NS		NS		NS		40.9		NS		NS		NS		92		9.82		16.4		NS	
	27-Jun-08	107		NS		NS		NS		145		NS		NS		NS		NS		20.4		9.73	
	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		47.8		NS	
	30-Sep-08	NS		NS		NS		32.8		NS		NS		NS		44.1		NS		9.4		12.8	
	27-Oct-08	19.6		NS		NS		NS		15		NS		NS		NS		17.9		NS		33.3	
	25-Nov-08	NS		148		NS		NS		NS		183		NS		NS		13		24.7		NS	
	18-Dec-08	NS		NS		856		NS		NS		NS		10.4		NS		NS		37.2		22	
	21-Jan-09	NS		NS		NS		19.1		NS		NS		NS		6.1		2.4	U	NS		4.8	
	25-Feb-09	28.6		NS		NS		NS		60.9		NS		NS		NS		9.5		8.3		NS	
	26-Mar-09	NS		102		NS		NS		NS		47.5		NS		NS		NS		50.6		64.8	
	29-Apr-09	NS		NS		1980		NS		NS		NS		23.3		NS		5.15		NS		22.1	
	22-Jul-09	58.5		NS		148		NS		NS		87.8		NS		NS		96		88.1		NS	
	9-Oct-09	NS		25.7		NS		NS		NS		49.7		NS		9.2		11100		6.51		NS	
	15-Jan-10	33.6		NS		90.9		NS		22.8		NS		NS		NS		NS		12.5		11.2	
	21-Apr-10	NS		21.9		NS		NS		NS		206		NS		263		2870		72.8		NS	
	16-Jul-10	654		NS		4800		202		NS		NS		11400		NS		NS		8.34		21.1	
	15-Oct-10	NS		11.3		NS		NS		26		NS		10.2		NS		18.3		7.03		NS	
	26-Jan-11	114		26.8		NS		54.4		NS		NS		NS		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	51		NS		48	U
	23-Jan-12	37		NS		36		19		NS		28		NS		NS		NS		38		NS	
	13-Apr-12	NS		32		NS		NS		NS		70		NS		32		83		54		NS	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
	23-Jun-12	21		NS		NS		370		NS		1600		NS		NS		NS		43		21	
	1-Nov-12	NS		41		NS		NS		NS		52		NS		75		44		35		NS	
	1-Feb-13	17		NS		12		25		NS		36		NS		NS		NS		16		12	
	29-Apr-13	NS		45		NS		NS		NS		100		NS		68		62		33		NS	
	9-Jul-13	100		NS		170		130		NS		260		NS		NS		NS		80		15	
	18-Oct-13	NS		43		NS		NS		61		NS		47		NS		57		48		NS	
	9-Jan-14	250		NS		16		25		NS		11		NS		NS		NS		24		33	
	24-Apr-14	NS		18		NS		NS		13		NS		NS		41		15		42		24	
	1-Aug-14	31 ^M		NS		110/99 ^M	E	110/100 ^M	E	NS		NS		NS		NS		NS		31 ^M		57/50 ^M	E
	27-Aug-14	NS		NS		NS		NS		NS		NS		210 ^F /130		NS		NS		NS		NS	
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
22-Oct-14	NS		31		NS		NS		NS		14		5.3		17		3.8		40		19		
20-Jan-15	14		NS		23		NS		NS		16		NS		NS		NS		39		72		
30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		45		
22-Apr-15	NS		87 ^V		NS		NS		NS		NS		NS		43		55 ^L /68		42		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		NS		1.08	U	NS		1.08	U
	29-May-08	NS		NS		NS		1.08	U	NS		NS		NS		1.08		1.08	U	1.08	U	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		NS		1.08	U	1.08	U	NS	
	30-Sep-08	NS		NS		NS		2.2	U	NS		NS		NS		NS		2.2	U	NS		2.2	U
	27-Oct-08	2.2	U	NS		NS		NS		2.2	U	NS		NS		NS		NS		2.2	U	NS	
	25-Nov-08	NS		2.2	U	NS		NS		NS		2.2		NS		NS		NS		2.2	U	NS	
	18-Dec-08	NS		NS		2.2	U	NS		NS		NS		2.2		NS		NS		2.2	U	NS	
	21-Jan-09	NS		NS		NS		2.2	U	NS		NS		NS		NS		2.2	U	NS		2.2	U
	25-Feb-09	2.2	U	NS		NS		NS		2.2	U	NS		NS		NS		NS		2.2	U	NS	
	26-Mar-09	NS		5.42	U	NS		NS		NS		10.8	U	NS		NS		NS		NS		1.08	U
	29-Apr-09	NS		NS		1.08	U	NS		NS		NS		1.08		NS		NS		1.08	U	NS	
	22-Jul-09	5.42	U	NS		5.42	U	10.8	U	NS		5.42	U	NS		NS		NS		1.08	U	1.08	U
	9-Oct-09	NS		0.051	U	NS		NS		1.08	U	NS		1.08	U	NS		226	U	1.08	U	NS	
	15-Jan-10	1.08	U	NS		1.08	U	1.08	U	NS		1.08	U	NS		NS		NS		1.08	U	1.08	U
	21-Apr-10	NS		1.08	U	NS		NS		5.42	U	NS		5.42	U	NS		5.42	U	1.08	U	NS	
	16-Jul-10	1.08	U	NS		1.08	U	1.08	U	NS		8.19	U	NS		NS		NS		1.08	U	1.08	U
	15-Oct-10	NS		0.108	U	NS		NS		1.08	U	NS		1.08	U	NS		1.08	U	1.08	U	NS	
	26-Jan-11	10.8	U	1.08	U	NS		1.08	U	NS		5.42	U	NS		5.42	U	5.42	U	5.42	U	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	NS		1.08	U	NS		NS	
	26-Jul-11	3.62	U	NS		3.62	U	1.08	U	NS		5.42	U	NS		NS		NS		1.08	U	5.42	U
	28-Oct-11	NS		6.2	U	NS		NS		6.2	U	NS		6.2	U	NS		6.2	U	6.2	U	NS	
	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	NS		1.2	U	1.2	U	NS	
	2-Jul-12 (resample)	NS		NS																			

**Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - April 2015**

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		NS		1.12		NS			
	27-Jun-08	0.626		NS		NS		NS		0.468		NS		NS		NS		NS		0.499		0.399			
	31-Jul-08	NS		0.418		NS		NS		NS		NS		NS		NS		0.358		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		1.6		NS	U	NS		NS		NS		1.6		1.6		NS		U	
	25-Nov-08	NS		1.6	U	NS		NS		NS		1.6	U	NS		NS		1.6	U	1.6		NS		U	
	18-Dec-08	NS		NS		1.6		NS	U	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		NS		U	
	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	U	NS		0.367			
	22-Jul-09	1.12	U	NS		NS		2.23	U	NS		1.45		NS		NS		4.27		0.629		NS			
	9-Oct-09	NS		1.15		NS		NS		0.974		NS		0.431		NS		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		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		0.319	U	NS		NS	
	15-Oct-10	NS		0.319	U	NS		NS		0.319	U	NS		0.319	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		NS	
	28-Feb-11	NS		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		NS	
	26-Jul-11	1.06	U	NS		0.434		NS		1.6	U	NS		NS		NS		0.319	U	1.6	U	NS		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		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		NS	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		1.6	U	NS		NS	
	23-Jun-12	0.45		NS		0.61		0.88		NS		0.43		NS		NS		0.42		0.4		NS		NS	
	1-Nov-12	NS		0.45		NS		NS		0.43		0.49		NS		0.56		0.61		NS		1		NS	
	1-Feb-13	0.33		NS		0.45		0.47		NS		0.35		NS		NS		0.45		0.46		NS		NS	
	29-Apr-13	NS		0.41		NS		NS		0.38		NS		0.41		0.47		0.63		NS		0.67		NS	
	9-Jul-13	0.64		NS		0.93		0.76		NS		0.70		NS		NS		0.65		0.42		NS		NS	
	18-Oct-13	NS		0.66		NS		NS		0.63		NS		0.86		NS		1.0		0.28		NS		0.92	
	9-Jan-14	1.2		NS		1.1		0.97		NS		1.1		NS		NS		1.5		1.5		NS		NS	
	24-Apr-14	NS		0.3		NS		NS		0.22		NS		0.32		0.23		0.39		0.34		NS		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		NS	
	27-Aug-14	NS		NS		NS		NS		0.69		NS		NS		NS		NS		NS		NS		NS	
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		0.43		NS		NS		NS	
22-Oct-14	NS		0.28		NS		NS		0.21		0.19		0.34		0.14		0.36		0.32		NS		NS		
20-Jan-15	0.42		NS		0.33		0.45		NS		0.31		NS		NS		0.63		0.46		NS		NS		
30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		0.41		NS		NS		
22-Apr-15	NS		0.48		NS		NS		0.35		NS		0.46		0.57/0.60		0.84		NS		0.93		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		0.134	U	NS		NS		0.134	U	NS		0.134	U		
	29-May-08	NS		NS		NS		0.13	U	NS		NS		NS		0.13	U	NS		0.13	U	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		0.134	U	NS		NS		0.134	U	0.134	U	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	NS			
	21-Jan-09	NS		NS		NS		0.13	U	NS		NS		NS		0.13	U	NS		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	0.67	U	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	0.67	U	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	NS		0.134	U	NS		0.134	U		
	26-Jul-11	0.447	U	NS		0.447	U																		

**Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - April 2015**

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
		Bromoform																					
8-Feb-08	0.21	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.21	U	0.21	U	NS	U
27-Mar-08	NS		0.206	U	NS	NS	NS	NS	NS	0.206	U	NS	NS	NS	NS	NS	NS	NS	U	0.206	U	0.206	U
25-Apr-08	NS		NS		0.206	U	NS	NS	NS	NS	NS	0.206	U	NS	NS	NS	NS	0.206	U	NS	U	0.206	U
29-May-08	NS		NS		NS	NS	NS	0.21	U	NS	NS	NS	NS	NS	NS	NS	NS	0.21	U	0.21	U	NS	U
27-Jun-08	0.322	U	NS		NS	NS	NS	NS	NS	0.206	U	NS	NS	NS	NS	NS	NS	NS	U	0.206	U	0.206	U
31-Jul-08	NS		0.206	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.206	U	NS	U	0.206	U
28-Aug-08	NS		NS		0.206	U	NS	NS	NS	NS	NS	NS	NS	0.206	U	NS	NS	0.206	U	0.206	U	NS	U
30-Sep-08	NS		NS		NS	NS	NS	0.41	U	NS	NS	NS	NS	NS	NS	NS	NS	0.41	U	0.41	U	0.41	U
27-Oct-08	0.41	U	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.41	U	NS	U	0.41	U
25-Nov-08	NS		0.14	U	NS	NS	NS	NS	NS	NS	NS	0.41	U	NS	NS	NS	NS	0.41	U	0.41	U	NS	U
18-Dec-08	NS		NS		0.41	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	0.41	U	0.41	U
21-Jan-09	NS		NS		NS	NS	NS	0.41	U	NS	NS	NS	NS	NS	NS	NS	NS	0.41	U	NS	U	0.41	U
25-Feb-09	0.41	U	NS		NS	NS	NS	NS	NS	0.14	U	NS	NS	NS	NS	NS	NS	0.41	U	0.41	U	NS	U
26-Mar-09	NS		1.03	U	NS	NS	NS	NS	NS	NS	NS	2.06	U	NS	NS	NS	NS	NS	U	0.206	U	0.206	U
29-Apr-09	NS		NS		0.206	U	NS	NS	NS	NS	NS	NS	NS	0.206	U	NS	NS	0.206	U	NS	U	0.206	U
22-Jul-09	1.03	U	NS		NS	NS	NS	2.06	U	NS	NS	1.03	U	NS	NS	NS	NS	0.206	U	0.206	U	NS	U
9-Oct-09	NS		0.206	U	NS	NS	NS	NS	NS	0.206	U	NS	NS	0.206	U	NS	NS	0.206	U	NS	U	0.206	U
15-Jan-10	0.206	U	NS		0.206	U	NS	0.206	U	NS	NS	0.206	U	NS	NS	NS	NS	0.206	U	0.206	U	NS	U
21-Apr-10	NS		0.206	U	NS	NS	NS	NS	NS	1.03	U	NS	NS	1.03	U	NS	NS	0.206	U	NS	U	0.206	U
16-Jul-10	0.206	U	NS		0.206	U	0.206	U	NS	NS	NS	1.56	U	NS	NS	NS	NS	0.206	U	0.206	U	NS	U
15-Oct-10	NS		0.206	U	NS	NS	NS	NS	NS	0.206	U	NS	NS	0.206	U	NS	NS	0.206	U	0.206	U	NS	U
26-Jan-11	2.06	U	0.206	U	NS	NS	0.206	U	NS	NS	NS	1.03	U	NS	NS	NS	NS	1.03	U	1.03	U	NS	U
28-Feb-11	NS		NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NS	U	NS	U
27-Apr-11	NS		0.206	U	NS	NS	NS	NS	NS	0.206	U	NS	NS	0.206	U	NS	NS	0.206	U	NS	U	0.206	U
26-Jul-11	0.69	U	NS		0.69	U	0.207	U	NS	NS	NS	1.03	U	NS	NS	NS	NS	NS	U	1.03	U	NS	U
28-Oct-11	NS		5.2	U	NS	NS	NS	NS	NS	5.2	U	NS	NS	5.2	U	NS	NS	5.2	U	NS	U	5.2	U
23-Jan-12	1	U	NS		1	U	1	U	NS	1	U	NS	NS	1	U	NS	NS	1	U	1	U	NS	U
13-Apr-12	NS		1	U	NS	NS	NS	NS	NS	1	U	NS	NS	1	U	NS	NS	1	U	NS	U	1	U
2-Jul-12 (resample)	NS		NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	5.2	U	NS	U
23-Jun-12	1	U	NS		1	U	1	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	1	U	1	U	NS	U
1-Nov-12	NS		0.21	U	NS	NS	NS	NS	NS	0.21	U	NS	NS	0.21	U	NS	NS	0.21	U	NS	U	0.21	U
1-Feb-13	0.21	U	NS		0.21	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.21	U	0.21	U	NS	U
29-Apr-13	NS		0.52	U	NS	NS	NS	NS	NS	0.21	U	NS	NS	0.21	U	NS	NS	0.21	U	NS	U	0.21	U
9-Jul-13	0.31	U	NS		0.21	U	0.21	U	NS	0.21	U	NS	NS	NS	NS	NS	NS	0.21	U	0.21	U	NS	U
18-Oct-13	NS		0.21	U	NS	NS	NS	NS	NS	0.21	U	NS	NS	0.21	U	NS	NS	0.21	U	NS	U	0.21	U
9-Jan-14	0.21	U	NS		0.21	U	0.21	U	NS	0.21	U	NS	NS	NS	NS	NS	NS	0.21	U	0.21	U	NS	U
24-Apr-14	NS		0.21	U	NS	NS	NS	NS	NS	0.21	U	NS	NS	0.21	U	NS	NS	0.21	U	0.21	U	0.31	U
1-Aug-14	0.21	U	NS		0.31	U	0.31	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.21	U	0.21	U	NS	U
27-Aug-14	NS		NS		NS	NS	NS	NS	NS	NS	NS	0.21	U	NS	NS	NS	NS	NS	U	NS	U	NS	U
12-Sept-14 (resample)	NS		NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.13	U	NS	U	NS	U
22-Oct-14	NS		0.31	U	NS	NS	NS	NS	NS	0.31	U	0.31	U	0.31	U	NS	NS	0.31	U	0.31	U	NS	U
20-Jan-15	0.21	U	NS		0.21	U	NS	NS	NS	NS	NS	0.21	U	NS	NS	NS	NS	0.31	U	0.31	U	NS	U
30-Mar-15 (resample)	NS		NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	0.23	U	NS	U
22-Apr-15	NS		0.21	U	NS	NS	NS	NS	NS	0.21	U	NS	NS	0.21	U	NS	NS	0.21	U	NS	U	0.24	U
2-Butanone																							
8-Feb-08	126		NS		NS	NS	NS	NS	NS	1.47	U	NS	NS	NS	NS	NS	NS	3.08		10.6		NS	
27-Mar-08	NS		226		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		11.9		3.9	U
25-Apr-08	NS		NS		477	NS	NS	NS	NS	NS	NS	NS	NS	1680	NS	NS	NS	2.24		NS		1.47	U
29-May-08	NS		NS		527	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.27		3.04		NS	U
27-Jun-08	1080		NS		NS	NS	NS	NS	NS	596	NS	NS	NS	NS	NS	NS	NS	NS		6.92		3.64	U
31-Jul-08	NS		1350		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	12		NS		2.56	U
28-Aug-08	NS		NS		8380	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5.29		9.18		NS	U
30-Sep-08	NS		NS		101	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	194		2		1.5	U
27-Oct-08	53.5		NS		NS	NS	NS	NS	NS	30.5	NS	NS	NS	NS	NS	NS	NS	2.4		NS		5.7	U
25-Nov-08	NS		802		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.8		2.4		NS	U
18-Dec-08	NS		NS		5630	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		2.6		3.3	U
21-Jan-09	NS		NS		NS	NS	NS	209	NS	NS	NS	NS	NS	NS	NS	NS	NS	24		1.5	U	1.5	U
25-Feb-09	30		NS		NS	NS	NS	NS	NS	198	NS	NS	NS	NS	NS	NS	NS	1.5	U	NS	U	NS	U
26-Mar-09	NS		926		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		2.66		3.02	U
29-Apr-09	NS		NS		12400	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.47		NS	U	3.06	U
22-Jul-09	433		NS		433	NS	NS	410	NS	NS	NS	NS	NS	NS	NS	NS	NS	21.6		2.8		NS	U
9-Oct-09	NS		289		NS	NS	NS	NS	NS	1.47	U	NS	NS	NS	NS	NS	NS	2.75		NS		12.6	U
15-Jan-10	29.8		NS		826	NS	NS	64.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.64		1.6		NS	U
21-Apr-10	NS		6.44		NS	NS	NS	NS	NS	7.37	U	NS	NS	NS	NS	NS	NS	1840		16.8		14.5	U
16-Jul-10	5320		NS		21000	NS	NS	441	NS	NS	NS	10400	NS	NS	NS	NS	NS	1.54		2.8		NS	U
15-Oct-10	NS		117		NS	NS	NS	NS	NS	44.9	NS	NS	NS	NS	NS	NS	NS	18.2		1.47	U	1.92	U
26-Jan-11	940		22.3		NS	NS	NS	16.5	NS	NS	NS	7.37	U	NS	NS	NS	NS	50.4		7.37	U	NS	U
28-Feb-11	NS		NS		625	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		NS	U	NS	U
27-Apr-11	NS		6.87		NS	NS	NS	NS	NS	171	NS	NS	NS	NS	NS	NS	NS	15.3		5.38		10.4	U
26-Jul-11	690	E	NS		82.9	NS	NS	93.2	NS	NS	NS	11000	NS	NS	NS	NS	NS	2.07		7.37	U	NS	U
28-Oct-11	NS		59	U	NS	NS	NS	NS	NS	59	NS	NS	NS	NS	NS	NS	NS	59	U	NS	U	59	U
23-Jan-12	110		NS		70	NS	NS	NS	NS	12	NS	NS	NS	NS	NS	NS	NS	12	U	NS	U	NS	U
13-Apr-12	NS		16		NS	NS	NS	NS	NS	74	NS	NS	NS	NS	NS	NS	NS	12	U	NS	U	12	U
2-Jul-12 (resample)	NS		NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		59	U	NS	U
23-Jun-12	75		NS		92	NS	NS	3700	NS	NS	NS	NS	NS	NS	NS	NS	NS	12	U	NS	U	NS	U
1-Nov-12	NS		24		NS	NS	NS	NS	NS	44	NS	NS	NS										

**Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - April 2015**

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
		n-Butylbenzene	8-Feb-08	2.74	U	NS		NS		NS		2.74	U	NS		NS		NS		2.74	U	2.74	U
	27-Mar-08	NS		2.74	U	NS		NS		NS		NS		NS		NS		NS		2.74	U	2.74	U
	25-Apr-08	NS		NS		2.74	U	NS		NS		NS		2.74	U	NS		2.74	U	NS	U	2.74	U
	29-May-08	NS		NS		NS		2.74	U	NS		NS		NS		2.74	U	2.74	U	NS	U	NS	U
	27-Jun-08	4.27	U	NS		NS		NS		2.74	U	NS		NS		NS		NS		2.74	U	2.74	U
	31-Jul-08	NS		2.74	U	NS		NS		NS		NS		NS		NS		2.74	U	NS	U	2.74	U
	28-Aug-08	NS		NS		2.74	U	NS		NS		NS		2.74	U	NS		2.74	U	NS	U	NS	U
	30-Sep-08	NS		NS		NS		5.5	U	NS		NS		NS		5.5	U	NS		5.5	U	5.5	U
	27-Oct-08	22.1		NS		NS		NS		5.5	U	NS		NS		NS		12.8		NS		5.5	U
	25-Nov-08	NS		5.5	U	NS		NS		NS		5.5	U	NS		NS		5.5	U	11.5		NS	U
	18-Dec-08	NS		NS		5.5	U	NS		NS		5.5	U	NS		NS		NS		5.5	U	5.5	U
	21-Jan-09	NS		NS		NS		5.5	U	NS		NS		NS		5.5	U	5.5	U	NS	U	5.5	U
	25-Feb-09	5.5	U	NS		NS		NS		5.5	U	NS		NS		NS		5.5	U	5.5	U	NS	U
	26-Mar-09	NS		13.7	U	NS		NS		NS		27.4	U	NS		NS		NS		2.74	U	2.74	U
	29-Apr-09	NS		NS		2.74	U	NS		NS		NS		2.74	U	NS		2.74	U	NS	U	2.74	U
	22-Jul-09	13.7	U	NS		13.7	U	27.4	U	NS		13.7	U	NS		NS		2.74	U	NS	U	NS	U
	9-Oct-09	NS		1.08	U	NS		NS		2.74	U	NS		2.74	U	573	U	2.74	U	NS	U	2.74	U
	15-Jan-10	2.74	U	NS		2.74	U	2.74	U	NS		2.74	U	NS		NS		2.74	U	2.74	U	NS	U
	21-Apr-10	NS		2.74	U	NS		NS		13.7	U	NS		13.7	U	13.7	U	2.74	U	NS	U	2.74	U
	16-Jul-10	2.74	U	NS		2.74	U	2.74	U	NS		20.7	U	NS		NS		2.74	U	2.74	U	NS	U
	15-Oct-10	NS		2.74	U	NS		NS		2.74	U	NS		2.74	U	2.74	U	2.74	U	NS	U	2.74	U
	26-Jan-11	27.4	U	2.74	U	NS		2.74	U	NS		13.7	U	NS		13.7	U	13.7	U	13.7	U	NS	U
	28-Feb-11	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U	NS	U
	27-Apr-11	NS		2.745	U	NS		NS		2.74	U	NS		2.74	U	2.74	U	2.74	U	NS	U	2.74	U
	26-Jul-11	9.17	U	NS		9.17	U	2.74	U	NS		13.7	U	NS		NS		2.74	U	13.7	U	NS	U
	28-Oct-11	NS		7.9	U	NS		NS		7.9	U	NS		7.9	U	7.9	U	7.9	U	NS	U	7.9	U
	23-Jan-12	1.6	U	NS		1.6	U	1.6	U	NS		1.6	U	NS		NS		1.6	U	1.6	U	NS	U
	13-Apr-12	NS		1.6	U	NS		NS		1.6	U	NS		1.6	U	NS		1.6	U	NS	U	1.6	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		7.9	U	NS	U
	23-Jun-12	1.6	U	NS		1.6	U	1.6	U	NS		1.6	U	NS		NS		1.6	U	1.6	U	NS	U
	1-Nov-12	NS		0.32	U	NS		NS		0.32	U	NS		0.44		0.35		0.38		NS	U	0.32	U
	1-Feb-13	0.32	U	NS		0.32	U	NS		0.32	U	NS		NS		NS		NS		0.32	U	NS	U
	29-Apr-13	NS		0.79	U	NS		NS		0.32	U	NS		0.32	U	0.32	U	0.32	U	NS	U	0.32	U
	9-Jul-13	0.47	U	NS		0.32	U	0.32	U	NS		0.32	U	NS		NS		0.32	U	0.32	U	NS	U
	18-Oct-13	NS		0.54	U	NS		NS		0.52		NS		0.74		0.65		0.68		NS	U	0.87	U
	9-Jan-14	0.32	U	NS		0.32	U	0.32	U	NS		0.32	U	NS		NS		0.32	U	0.32	U	NS	U
	24-Apr-14	NS		0.32	U	NS		NS		0.32	U	NS		0.32	U	0.32	U	0.32	U	0.32	U	0.47	U
	1-Aug-14	0.32	U	NS		0.63	U	0.47	U	NS		NS		NS		NS		0.32	U	0.56		NS	U
	27-Aug-14	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U	NS	U
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		0.47	U	NS		NS	U	NS	U
	22-Oct-14	NS		0.47	U	NS		NS		0.47	U	0.47	U	0.47	U	0.47	U	0.47	U	0.63	U	NS	U
	20-Jan-15	0.32	U	NS		0.32	U	0.32	U	NS		0.32	U	NS		NS		0.47	U	0.032	U	NS	U
	30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		0.36	U	NS	U
	22-Apr-15	NS		0.32	U	NS		NS		0.32	U	NS		0.32	U	0.46	U	0.32	U	NS	U	0.36	U
sec-Butylbenzene	8-Feb-08	2.74	U	NS		NS		NS		2.74	U	NS		NS		NS		2.74	U	2.74	U	NS	U
	27-Mar-08	NS		2.74	U	NS		NS		NS		NS		NS		NS		NS		2.74	U	2.74	U
	25-Apr-08	NS		NS		2.74	U	NS		NS		NS		2.74	U	NS		2.74	U	NS	U	2.74	U
	29-May-08	NS		NS		NS		2.74	U	NS		NS		NS		2.74	U	2.74	U	NS	U	NS	U
	27-Jun-08	4.27	U	NS		NS		NS		2.74	U	NS		NS		NS		NS		2.74	U	2.74	U
	31-Jul-08	NS		2.74	U	NS		NS		NS		NS		NS		NS		2.74	U	NS	U	2.74	U
	28-Aug-08	NS		NS		2.74	U	NS		NS		NS		2.74	U	NS		2.74	U	NS	U	NS	U
	27-Oct-08	NS		NS		NS		5.5	U	NS		NS		NS		5.5	U	NS		5.5	U	5.5	U
	27-Oct-08	5.5	U	NS		NS		NS		5.5	U	NS		NS		NS		5.5	U	NS	U	5.5	U
	25-Nov-08	NS		5.5	U	NS		NS		NS		5.5	U	NS		NS		5.5	U	5.5	U	NS	U
	18-Dec-08	NS		NS		5.5	U	NS		NS		NS		5.5	U	NS		NS		5.5	U	5.5	U
	21-Jan-09	NS		NS		NS		5.5	U	NS		NS		NS		NS		5.5	U	NS	U	5.5	U
	25-Feb-09	5.5	U	NS		NS		NS		NS		NS		NS		NS		5.5	U	5.5	U	NS	U
	26-Mar-09	NS		13.7	U	NS		NS		NS		27.4	U	NS		NS		NS		2.74	U	2.74	U
	29-Apr-09	NS		NS		2.74	U	NS		NS		2.74	U	NS		NS		2.74	U	NS	U	2.74	U
	22-Jul-09	13.7	U	NS		13.7	U	27.4	U	NS		13.7	U	NS		NS		2.74	U	2.74	U	NS	U
	9-Oct-09	NS		2.74	U	NS		NS		2.74		NS		2.74	U	573	U	2.74	U	NS	U	2.74	U
	15-Jan-10	2.74	U	NS		2.74	U	2.74	U	NS		2.74	U	NS		NS		2.74	U	2.74	U	NS	U
	21-Apr-10	NS		2.74	U	NS		NS		13.7	U	NS		13.7	U	13.7	U	2.74	U	NS	U	2.74	U
	16-Jul-10	2.74	U	NS		2.74	U	2.74	U	NS		20.7	U	2.74	U	NS		2.74	U	2.74	U	NS	U
	15-Oct-10	NS		2.74	U	NS		NS		2.74	U	NS		2.74	U	2.74	U	2.74	U	NS	U	2.74	U
	26-Jan-11	27.4	U	2.74	U	NS		2.74	U	NS		13.7	U	NS		13.7	U	13.7	U	13.7	U	NS	U
	28-Feb-11	NS		NS		27.4	U	NS		NS		NS		NS		NS		NS		NS	U	NS	U
	27-Apr-11	NS		2.74	U</																		

**Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - April 2015**

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
		Carbon tetrachloride	8-Feb-08	0.44		NS		NS		NS		0.46		NS		NS		NS		0.53		0.45	
	27-Mar-08	NS		0.539		NS		NS		NS		0.477		NS		NS		NS		0.576		NS	
	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		0.46		NS	
	27-Jun-08	0.478		NS		NS		NS		0.506		NS		NS		NS		NS		0.533		0.553	
	31-Jul-08	NS		0.576		NS		NS		NS		NS		NS		NS		0.548		NS		0.495	
	28-Aug-08	NS		NS		0.515		NS		NS		NS		0.549		NS		0.567		0.563		NS	
	30-Sep-08	NS		NS		NS		0.511		NS		NS		NS		0.577		NS		0.451		0.469	
	27-Oct-08	0.48		NS		NS		NS		0.36		NS		NS		NS		0.41		NS		0.56	
	25-Nov-08	NS		0.5		NS		NS		NS		0.42		NS		NS		0.3		0.44		NS	
	18-Dec-08	NS		NS		0.23		NS		NS		NS		0.28		NS		NS		0.48		0.46	
	21-Jan-09	NS		NS		NS		0.36		NS		NS		NS		0.47		0.27		NS		0.67	
	25-Feb-09	0.39		NS		NS		NS		0.36		NS		NS		NS		0.37		0.36		NS	
	26-Mar-09	NS		0.629	U	NS		NS		1.26	U	NS		NS		NS		NS		0.601		0.565	
	29-Apr-09	NS		NS		0.484		NS		NS		NS		0.528		NS		0.522		NS		0.654	
	22-Jul-09	0.629	U	NS		25.6	U	1.26	U	0.629	U	NS		NS		NS		0.515		0.503		NS	
	9-Oct-09	NS		0.691		NS		NS		0.666		NS		0.465		26.2	U	0.71		NS		0.691	
	15-Jan-10	0.427		NS		0.647		0.509		NS		0.541		NS		NS		0.541		0.528		NS	
	21-Apr-10	NS		0.126		NS		NS		0.629	U	NS		0.629	U	0.629	U	0.61		NS		0.503	
	16-Jul-10	0.459		NS		0.478		0.515		NS		0.95	U	NS		NS		0.559		0.509		NS	
	15-Oct-10	NS		0.509		NS		NS		0.434		NS		0.383		0.402		0.421		NS		0.44	
	26-Jan-11	1.26	U	0.415		NS		0.415		NS		0.629	U	NS		0.629	U	0.629	U	0.629	U	NS	
	28-Feb-11	NS		NS		1.26	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.339		NS		NS		0.339		NS		0.33		0.364		0.339		NS		0.327	
	26-Jul-11	0.44		NS		0.42	U	0.409		NS		0.629	U	NS		NS		0.402		0.629	U	NS	
	28-Oct-11	NS		3.1	U	NS		NS		3.1	U	NS		3.1	U	3.1	U	3.1	U	NS		3.1	U
	23-Jan-12	0.63	U	NS		0.63	U	0.63	U	NS		0.63	U	NS		NS		0.63	U	0.63	U	NS	
	13-Apr-12	NS		0.31	U	NS		NS		0.31	U	NS		0.31	U	0.31	U	0.31	U	NS		0.31	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		1.6	U	NS	
	23-Jun-12	0.63	U	NS		0.63	U	0.63	U	NS		NS		NS		NS		0.63	U	0.63	U	NS	
	1-Nov-12	NS		0.48		NS		NS		0.46		NS		0.46		0.45		0.47		NS		0.43	
	1-Feb-13	0.44		NS		0.43		0.39		NS		0.42		NS		NS		0.49		NS		NS	
	29-Apr-13	NS		0.42		NS		NS		0.44		NS		0.42		0.48		0.48		NS		0.46	
	9-Jul-13	0.52		NS		0.52		0.46		NS		0.48		NS		NS		0.45		0.47		NS	
	18-Oct-13	NS		0.45		NS		NS		0.41		NS		0.4		0.45		0.44		NS		0.47	
	9-Jan-14	0.40		NS		0.45		0.40		NS		0.43		NS		NS		0.43		NS		NS	
	24-Apr-14	NS		0.48		NS		NS		0.45		NS		0.42		0.47		0.47		0.43		0.48	
	1-Aug-14	0.30		NS		0.44		0.43		NS		NS		NS		NS		0.56		0.43		NS	
	27-Aug-14	NS		NS		NS		NS		NS		0.45		NS		NS		NS		NS		NS	
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		0.43		NS		NS	U	NS	
	22-Oct-14	NS		0.45		NS		NS		0.42		0.43		0.42		0.45		0.43		0.44		NS	
	20-Jan-15	0.45		NS		0.49		0.42		NS		0.44		NS		NS		0.48		NS		NS	
	30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		0.43		NS	
	22-Apr-15	NS		0.28		NS		NS		0.29		NS		0.34		0.34/0.36		0.33		NS		0.33	
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	U	0.092	U	0.092	U
	25-Apr-08	NS		NS		0.092	U	NS		NS		NS		0.092	U	NS		0.092	U	NS		0.092	U
	29-May-08	NS		NS		NS		0.09	U	NS		NS		NS		0.09	U	0.09	U	NS		NS	
	27-Jun-08	0.207		NS		NS		NS		0.092		NS		NS		NS		NS		0.092	U	0.092	U
	31-Jul-08	NS		0.092	U	NS		NS		NS		NS		NS		NS		0.092	U	NS		0.092	U
	28-Aug-08	NS		NS		0.092	U	NS		NS		NS		0.092	U	NS		0.092	U	0.092	U	NS	
	30-Sep-08	NS		NS		NS		2.3	U	NS		NS		NS		2.3	U	NS		2.3	U	2.3	U
	27-Oct-08	2.3	U	NS		NS		NS		2.3	U	NS		NS		NS		2.3	U	NS		2.3	U
	25-Nov-08	NS		2.3	U	NS		NS		2.3	U	NS		NS		NS		2.3	U	2.3	U	NS	
	18-Dec-08	NS		NS		2.3	U	NS		NS		2.3	U	NS		NS		NS		2.3	U	2.3	U
	21-Jan-09	NS		NS		NS		2.3	U	NS		NS		NS		2.3	U	2.3	U	NS		2.3	U
	25-Feb-09	2.3	U	NS		NS		NS		2.3	U	NS		NS		NS		2.3	U	2.3	U	NS	
	26-Mar-09	NS		0.46	U	NS		NS		NS		0.92	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		0.092	U	NS		0.092	U
	22-Jul-09	0.46	U	NS		18.8	U	0.92	U	NS		0.46	U	NS		NS		0.092	U	0.092	U	NS	
	9-Oct-09	NS		0.092	U	NS		NS		0.092	U	NS		0.092	U	19.2	U	0.092	U	NS		0.092	U
	15-Jan-10	0.092	U	NS		0.092	U	0.092	U	NS		0.092	U	NS		NS		0.092	U	0.092	U	NS	
	21-Apr-10	NS		0.092	U	NS		NS		0.46	U	NS		0.46	U	NS		0.092	U	NS		0.092	U
	16-Jul-10	0.092	U	NS		0.092	U	0.212		NS		0.695	U	NS		NS		0.092	U	0.092	U	NS	
	15-Oct-10	NS		0.092	U	NS		NS		0.129		NS		0.106		0.101		0.092	U	NS		0.101	
	26-Jan-11	0.92	U	0.092	U	NS		0.092	U	NS		0.46	U	NS		0.46	U	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		0.092	U	NS		0.092	U	0.092	U	0.092	U	NS		0.092	U
	26-Jul-11	0.307	U	NS		0.307	U	0.092	U	NS													

**Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - April 2015**

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
		Chloroethane	8-Feb-08	0.05	U	NS		NS		NS		0.05	U	NS		NS		NS		0.05	U	0.05	U
	27-Mar-08	NS		0.053	U	NS		NS		NS		0.053	U	NS		NS		NS		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	U
	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	U
	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		1.3	U	NS		NS		NS		1.3	U	NS		1.6	U
	25-Nov-08	NS		1.3	U	NS		NS		1.3	U	NS		NS		NS		1.3	U	1.3	U	NS	U
	18-Dec-08	NS		NS		1.3	U	NS		NS		NS		1.3	U	NS		NS		1.3	U	1.3	U
	21-Jan-09	NS		NS		NS		1.3	U	NS		NS		NS		1.3	U	1.3	U	NS		1.3	U
	25-Feb-09	1.3	U	NS		NS		NS		1.3	U	NS		NS		NS		1.3	U	1.3	U	NS	U
	26-Mar-09	NS		0.264	U	NS		NS		NS		0.527	U	NS		NS		NS		0.1212		0.063	U
	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		0.527	U	NS		NS		NS		NS		0.053	U	0.061		NS	U
	9-Oct-09	NS		0.053	U	NS		NS		0.058		NS		0.406		11	U	0.053	U	NS		0.053	U
	15-Jan-10	0.053	U	NS		0.074		0.066		NS		0.053		NS		NS		0.053	U	0.053		NS	U
	21-Apr-10	NS		0.074		NS		NS		0.264		NS		0.303		0.303		0.053	U	NS		0.116	U
	16-Jul-10	0.1		NS		2.55		0.166		NS		0.398	U	NS		NS		0.053	U	0.087		NS	U
	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	U
	28-Feb-11	NS		NS		.527	U	NS		NS		NS		NS		NS		NS		NS		NS	U
	27-Apr-11	NS		0.053	U	NS		NS		0.079		NS		0.082		0.053	U	0.053	U	NS		0.053	U
	26-Jul-11	0.176	U	NS		0.176	U	0.116		0.264	U	NS		NS		NS		0.053	U	0.264		NS	U
	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		0.26	U	NS		0.26	U	NS		0.26	U	NS		0.26	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		1.3	U	NS	U
	23-Jun-12	0.26	U	NS		0.26	U	0.26	U	NS		NS		NS		NS		0.26	U	0.26	U	NS	U
	1-Nov-12	NS		0.053	U	NS		NS		0.085		NS		0.08		0.053	U	0.053	U	NS		0.087	U
	1-Feb-13	0.082	U	NS		0.053	U	0.11		NS		0.053	U	NS		NS		0.053	U	0.053	U	NS	U
	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	U
	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	U
	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	U
	27-Aug-14	NS		NS		NS		NS		0.072		NS		NS		NS		NS		NS		NS	U
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		0.079	U	NS		NS		NS	U
	22-Oct-14	NS		0.079	U	NS		NS		0.079	U	0.079		0.35		0.079	U	0.079	U	0.11	U	NS	U
	20-Jan-15	0.069 ^v		NS		0.094		0.062		NS		0.24 ^v		NS		NS		0.079 ^v	U	0.053 ^v	U	NS	U
	30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		0.059	U	NS	U
	22-Apr-15	NS		0.20 ^v		NS		NS		NS		N		0.16		0.077	U	0.72		NS		0.061	U
Chloroform	8-Feb-08	0.1	U	NS		NS		NS		NS	U	NS		NS		NS		0.12		0.12		NS	U
	27-Mar-08	NS		0.098	U	NS		NS		NS		0.125		NS		NS		NS		0.453		0.847	U
	25-Apr-08	NS		NS		0.231		NS		NS		NS		0.203		NS		0.134		NS		0.265	U
	29-May-08	NS		NS		NS		0.14		NS		NS		NS		0.1	U	0.11		0.14		NS	U
	27-Jun-08	0.263		NS		NS		NS		0.623		NS		NS		NS		NS		0.305		0.395	U
	31-Jul-08	NS		0.145		NS		NS		NS		NS		NS		NS		0.13		NS		0.124	U
	28-Aug-08	NS		NS		0.098	U	NS		NS		NS		1.2		NS		0.331		0.386		NS	U
	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		0.24	U	NS		NS		NS		0.24	U	0.24	U	NS	U
	18-Dec-08	NS		NS		0.24	U	NS		NS		0.24	U	NS		NS		0.24	U	0.24	U	NS	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		NS		NS		NS		NS		0.24	U	0.24	U	NS	U
	26-Mar-09	NS		0.488	U	NS		NS		NS		1.29		NS		NS		NS		0.265		0.2	U
	29-Apr-09	NS		NS		0.098	U	NS		NS		NS		0.136		NS		0.098	U	NS		1.34	U
	22-Jul-09	0.488	U	NS		19.9	U	0.976	U	NS		0.488	U	NS		NS		0.429		0.22		NS	U
	9-Oct-09	NS		0.205		NS		NS		0.263		NS		0.268		20.4	U	0.317		NS		0.312	U
	15-Jan-10	0.176		NS		7.22		0.146		NS		0.19		NS		NS		0.098	U	0.185		NS	U
	21-Apr-10	NS		0.098	U	NS		NS		0.488	U	NS		0.488	U	0.488	U	0.22		NS		0.2	U
	16-Jul-10	0.361		NS		0.098	U	0.215		NS		0.737	U	NS		NS		0.205	U	0.346		NS	U
	15-Oct-10	NS		0.171		NS		NS		0.366		NS		0.654		0.117		0.102		NS		0.166	U
	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	U
	28-Feb-11	NS		NS		0.976	U	NS		NS		NS		NS		NS		NS		NS		NS	U
	27-Apr-11	NS																					

**Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - April 2015**

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
		Chloromethane	8-Feb-08	2.44	U	NS		NS		NS		2.44	U	NS		NS		NS		2.44	U	2.44	U
	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	U	2.44	U
	29-May-08	NS		NS		NS		2.44	U	NS		NS		NS		2.44	U	2.44	U	2.44	U	NS	U
	27-Jun-08	3.8	U	NS		NS		NS		2.44	U	NS		NS		NS		NS		2.44	U	2.44	U
	31-Jul-08	NS		4.64		NS		NS		NS		NS		NS		NS		2.44	U	NS	U	2.44	U
	28-Aug-08	NS		NS		2.44	U	NS		NS		NS		2.44	U	NS		2.44	U	2.44	U	NS	U
	30-Sep-08	NS		NS		NS		1	U	NS		NS		NS		1	U	NS		1	U	1	U
	27-Oct-08	1	U	NS		NS		NS		1	U	NS		NS		NS		1.1		NS		3.5	
	25-Nov-08	NS		1	U	NS		NS		1	U	NS		NS		NS		1	U	1	U	NS	
	18-Dec-08	NS		NS		1	U	NS		NS		NS		1	U	NS		NS		1.4		1	U
	21-Jan-09	NS		NS		NS		1	U	NS		NS		NS		3.1		1	U	NS		1	U
	25-Feb-09	1		NS		NS		NS		1	U	NS		NS		NS		1	U	1.2		NS	
	26-Mar-09	NS		12.2	U	NS		NS		NS		24.4	U	NS		NS		NS		4.58		2.44	U
	29-Apr-09	NS		NS		22.4		NS		NS		NS		19.4		NS		2.44	U	NS		2.44	U
	22-Jul-09	18.5		NS		497	U	32		NS		41.9		NS		NS		2.44	U	6.29		NS	
	9-Oct-09	NS		2.44	U	NS		NS		2.44	U	NS		2.44	U	509	U	2.44	U	NS		2.44	U
	15-Jan-10	2.44	U	NS		2.78		2.44	U	NS		2.44		NS		NS		2.44	U	2.44		NS	
	21-Apr-10	NS		3.25		NS		NS		12.2	U	NS		12.2	U	12.2	U	2.44	U	NS		2.44	U
	16-Jul-10	1.32		NS		62.8		1.48		NS		7.79	U	NS		NS		1.03	U	1.03	U	NS	
	15-Oct-10	NS		1.03	U	NS		NS		1.03	U	NS		1.03	U	NS		1.03	U	NS		1.03	U
	26-Jan-11	10.3	U	1.03	U	NS		1.03	U	NS		5.16	U	NS		5.16	U	5.16	U	5.16	U	NS	
	28-Feb-11	NS		NS		10.3	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		1.23		NS		NS		1.03	U	NS		1.03	U	1.18		1.03	U	NS		1.29	
	26-Jul-11	3.45	U	NS		3.45	U	1.03	U	NS		5.16	U	NS		NS		1.03	U	5.16	U	NS	
	28-Oct-11	NS		1	U	NS		NS		1	U	NS		1	U	1	U	1	U	NS		1.2	
	23-Jan-12	0.21	U	NS		0.21	U	0.21	U	NS		0.21	U	NS		NS		1.2	U	0.21	U	NS	
	13-Apr-12	NS		0.21	U	NS		NS		0.21	U	NS		0.21	U	NS		1.2	U	NS		0.97	
	2-Jul-12 (resample)	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		2.1		NS		NS		0.21	U	0.21	U	NS	
	1-Nov-12	NS		0.041	U	NS		NS		0.041	U	NS		0.041	U	0.041	U	0.37		NS		1.1	
	1-Feb-13	0.5		NS		1.8		2.1		NS		0.19		NS		NS		0.71		NS		NS	
	29-Apr-13	NS		0.21	U	NS		NS		0.083	U	NS		0.083	U	0.083	U	0.73		NS		1.2	
	9-Jul-13	0.12	U	NS		0.083	U	0.083	U	NS		0.083	U	NS		NS		1.0		0.083	U	NS	
	18-Oct-13	NS		0.083	U	NS		NS		0.083	U	NS		0.083	U	0.083	U	0.40		NS		1.1	
	9-Jan-14	3.2		NS		1.5		0.083	U	NS		0.053	U	NS		NS		0.64		0.083	U	NS	
	24-Apr-14	NS		4.6		NS		NS		4.5		NS		3.5		1.2		0.47		1.0		1.0	
	1-Aug-14	0.083	U	NS		0.12	U	0.12	U	NS		NS		NS		NS		0.083	U	0.083	U	NS	
	27-Aug-14	NS		NS		NS		NS		1.7		NS		NS		NS		NS		NS		NS	
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		0.12 ^L	U	NS		NS		NS	
	22-Oct-14	NS		1.3		NS		NS		0.12	U	0.12	U	0.12	U	1.30		0.74		1.1		NS	
	20-Jan-15	0.083 ^V	U	NS		3 ^V		0.083	U	NS		0.083 ^V	U	NS		NS		0.69 ^V		1.2 ^V	U	NS	
	30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		0.093	U	NS	
	22-Apr-15	NS		0.085 ^V	U	NS		NS		0.083 ^V	U	NS		0.083	U	1.7/1.6		0.72		NS		1.4	
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		0.096	U	0.096	U
	25-Apr-08	NS		NS		0.096	U	NS		NS		NS		0.096	U	NS		NS		NS		0.096	U
	29-May-08	NS		NS		NS		0.1	U	NS		NS		NS		NS		0.1	U	0.1	U	NS	
	27-Jun-08	0.15	U	NS		NS		NS		0.096	U	NS		NS		NS		NS		0.096	U	0.096	U
	31-Jul-08	NS		0.096	U	NS		NS		NS		NS		NS		NS		0.096	U	NS		0.096	U
	28-Aug-08	NS		NS		0.096	U	NS		NS		NS		0.096	U	NS		0.096	U	0.096	U	NS	
	30-Sep-08	NS		NS		NS		4.2	U	NS		NS		NS		NS		4.2	U	4.2	U	4.2	U
	27-Oct-08	4.2	U	NS		NS		NS		4.2	U	NS		NS		NS		4.2	U	NS		4.2	U
	25-Nov-08	NS		4.2	U	NS		NS		4.2	U	NS		NS		NS		4.2	U	4.2	U	NS	
	18-Dec-08	NS		NS		4.2	U	NS		NS		4.2	U	NS		NS		4.2	U	4.2	U	4.2	U
	21-Jan-09	NS		NS		NS		4.2	U	NS		NS		NS		NS		4.2	U	NS		4.2	U
	25-Feb-09	4.2	U	NS		NS		NS		4.2	U	NS		NS		NS		4.2	U	4.2	U	NS	
	26-Mar-09	NS		0.48	U	NS		NS		NS		0.96		NS		NS		NS		0.096	U	0.096	U
	29-Apr-09	NS		NS		0.096	U	NS		NS		NS		0.096	U	NS		0.096	U	NS		0.096	U
	22-Jul-09	0.48	U	NS		19.6	U	0.96	U	NS		0.48	U	NS		NS		0.096	U	0.096	U	NS	
	9-Oct-09	NS		0.096	U	NS		NS		NS		NS		0.096	U	20	U	0.096	U	NS		0.096	U
	15-Jan-10	0.096	U	NS		0.096	U	NS		NS		0.096	U	NS		NS		0.096	U	0.096	U	NS	
	21-Apr-10	NS		0.096	U	NS		NS		0.48	U	NS		0.48	U	0.48	U	0.096	U	NS		0.096	U
	16-Jul-10	0.17	U	NS		0.17	U	NS		NS		1.28	U	NS		NS		0.17	U	0.17	U	NS	
	15-Oct-10	NS		0.17	U	NS		NS		0.17	U	NS		0.17	U	0.17	U	0.17	U	NS		0.17	U
	26-Jan-11	1.7	U	0.17	U	NS		0.17	U	NS		0.851	U	NS		0.851	U	0.851	U	0.851	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		0.17	U	NS		0.17	U	0.17	U	0.17	U	NS		0.17	U
	26-Jul-11																						

**Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - April 2015**

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
		1,3-Dichlorobenzene	8-Feb-08	0.12	U	NS		NS		NS		0.12	U	NS		NS		NS		0.12	U	0.12	U
	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		0.12	U	NS		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		0.12	U	NS		NS		0.12	U	0.12	U	NS	U
	30-Sep-08	NS		NS		NS		3	U	NS		NS		NS		3	U	NS		3	U	3	U
	27-Oct-08	3	U	NS		NS		3		NS	U	NS		NS		NS		3	U	NS		3	U
	25-Nov-08	NS		3	U	NS		NS		NS		3	U	NS		NS		3	U	3	U	NS	U
	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	3	U	NS		3	U
	25-Feb-09	3	U	NS		NS		3		NS	U	NS		NS		NS		3	U	3	U	NS	U
	26-Mar-09	NS		0.601	U	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		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	U
	9-Oct-09	NS		0.12	U	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		0.12	U	NS		NS		0.12	U	0.12	U	NS	U
	21-Apr-10	NS		0.12	U	NS		NS		0.601	U	NS		0.601	U	0.601	U	0.12	U	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	U
	15-Oct-10	NS		0.12	U	NS		NS		0.12	U	NS		0.12	U	0.12	U	0.12	U	NS		0.12	U
	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	U
	28-Feb-11	NS		NS		1.2	U	NS		NS		NS		NS		NS		NS		NS		NS	U
	27-Apr-11	NS		0.12	U	NS		0.42		NS		0.156		0.12	U	0.12	U	0.12	U	NS		0.12	U
	26-Jul-11	0.401	U	NS		0.401	U	0.12	U	NS		0.601	U	NS		NS		0.12	U	0.601	U	NS	U
	28-Oct-11	NS		3	U	NS		NS		3	U	NS		3	U	3	U	3	U	NS		3	U
	23-Jan-12	1.6		NS		1.8		2.3		NS		1.6		NS		NS		1.9		2.7		NS	U
	13-Apr-12	NS		0.6	U	NS		NS		0.6	U	NS		0.6	U	2		0.6	U	NS		0.6	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		3	U	NS	U
	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	NS	U
	1-Nov-12	NS		1.2		NS		NS		2.6		NS		6		2.2		0.18		NS		0.12	U
	1-Feb-13	0.18		NS		0.34		0.56		NS		0.44		NS		NS		0.17		0.12	U	NS	U
	29-Apr-13	NS		1.3		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		3.8		NS		NS		0.12	U	0.12	U	NS	U
	18-Oct-13	NS		0.52		NS		NS		1.4		NS		2.6		2.2		0.16		NS		0.22	U
	9-Jan-14	0.58		NS		0.9		1.1		NS		0.84		NS		NS		3.0		4.1		NS	U
	24-Apr-14	NS		0.12	U	NS		NS		0.14		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	U
	27-Aug-14	NS		NS		NS		NS		0.80		NS		NS		NS		NS		NS		NS	U
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		0.82		NS		NS	U	NS	U
	22-Oct-14	NS		0.18	U	NS		NS		0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.24	U	NS	U
	20-Jan-15	0.12	U	NS		0.120	U	0.12	U	NS		0.12	U	NS		NS		0.2	U	0.12	U	NS	U
	30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		0.14	U	NS	U
	22-Apr-15	NS		0.13		NS		NS		0.36		NS		1.5		0.78/0.87		0.12	U	NS		0.17	U
1,4-Dichlorobenzene	8-Feb-08	1.56		NS		NS		NS		0.26		NS		NS		NS		9.5		7.91		NS	U
	27-Mar-08	NS		4.33		NS		NS		NS		8.48		NS		NS		NS		6.28		15.1	U
	25-Apr-08	NS		NS		0.347		NS		NS		NS		32.3		NS		17.9		NS		16.3	U
	29-May-08	NS		NS		NS		5.5		NS		NS		NS		10		9.41		4.18		NS	U
	27-Jun-08	47.3		NS		NS		NS		38.1		NS		NS		NS		NS		40.8		57.9	U
	31-Jul-08	NS		2.46		NS		NS		NS		NS		NS		NS		1.84		NS		2.04	U
	28-Aug-08	NS		NS		234		NS		NS		NS		214		NS		229		208		NS	U
	30-Sep-08	NS		NS		7.2		NS		NS		NS		3	U	NS		NS		6.8		5.6	U
	27-Oct-08	3	U	NS		NS		NS		3	U	NS		NS		NS		3	U	NS		3	U
	25-Nov-08	NS		3	U	NS		NS		NS		3	U	NS		NS		3	U	3	U	NS	U
	18-Dec-08	NS		NS		3	U	NS		NS		4.7		NS		NS		NS		10.3		17.1	U
	21-Jan-09	NS		NS		NS		3	U	NS		NS		NS		3	U	13.9		NS		27.2	U
	25-Feb-09	3	U	NS		NS		NS		3	U	NS		NS		NS		3	U	3	U	NS	U
	26-Mar-09	NS		5.43		NS		*		NS		4.87		NS		NS		NS		20.6		33	U
	29-Apr-09	NS		NS		1.2		NS		NS		NS		1.91		NS		4.12		NS		4.25	U
	22-Jul-09	0.601	U	NS		24.5	U	1.2	U	NS		0.601	U	NS		NS		0.348		0.613		NS	U
	9-Oct-09	NS		3.31		NS		NS		3.44		NS		2.79		25.1	U	6.95		NS		3.82	U
	15-Jan-10	0.12		NS		1.06		0.715		NS		0.823		NS		NS		2		1.98		NS	U
	21-Apr-10	NS		0.12	U	NS		NS		0.601	U	NS		0.601	U	0.601	U	3.27		NS		2.84	U
	16-Jul-10	1.78		NS		2.3		2.86		NS		1.36		NS		NS		1.63		NS		5.05	U
	15-Oct-10	NS		0.685		NS		NS		1.75		NS		1.37		1.48		1.8		NS		2.47	U
	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	U
	28-Feb-11	NS		NS		1.2	U	NS		NS		NS		NS		NS		NS		NS		NS	U
	27-Apr-11	NS		0.985		NS		NS		1.08		NS		0.967		1.14		1.07		NS		1.24	U
	26-Jul-11	5.45		NS		5.21		0.715		NS		5.26		NS		NS		5.54		4.69		NS	

**Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - April 2015**

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
		Dichlorodifluoromethane	8-Feb-08	2		NS		NS		NS		2.03		NS		NS		NS		1.92		2	
	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	U	2.7	
	27-Oct-08	2.5	U	NS		NS		NS		2.5	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		2.5		NS	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		2.48		NS		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		2.72		NS		NS		2.5		NS		NS		2.37		2.48		NS	
	9-Oct-09	NS		2.73		NS		NS		2.77		NS		3.67		51.6	U	2.64		NS		2.79	
	15-Jan-10	2.5		NS		3.57		2.52		NS		2.61		NS		NS		2.29		NS		2.25	
	21-Apr-10	NS		0.568		NS		NS		2.2		NS		2.59		2.2		2.64		NS		2.43	
	16-Jul-10	3.36		NS		2.61		2.55		NS		2.98		NS		NS		3.15		3.29		NS	
	15-Oct-10	NS		3.13		NS		NS		2.67		NS		2.43		2.41		2.46		NS		2.43	
	26-Jan-11	2.47	U	2.2		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		2.26		NS		2.32		NS		2.31	
	26-Jul-11	2.41		NS		2.29		2.28		NS		2.08		NS		NS		2.44		NS		2.3	
	28-Oct-11	NS		2.7		NS		NS		2.7		NS		2.7		2.7		2.9		NS		3.1	
	23-Jan-12	2.5		NS		2.6		2.6		NS		2.7		NS		NS		2.6		2.6		NS	
	13-Apr-12	NS		NS		NS		NS		2.9		NS		2.4		3.2		2.5		NS		2.8	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		2.8		NS	
	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		NS	
	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		1.5		NS	
	24-Apr-14	NS		2.7		NS		NS		2.6		NS		2.3		2.6		2.7		2.6		3.1	
	1-Aug-14	1.1		NS		2.2/1.5		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	
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		2.3		NS		NS	U	NS	
	22-Oct-14	NS		1.3		NS		NS		1.4		1.4		1.4		1.6		1.4		1.4		NS	
	20-Jan-15	0.099	U	NS		1.5		NS		1.4		NS		NS		NS		1.4		1.5		NS	
	30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		1.4		NS	
	22-Apr-15	NS		4.0 ^v		NS		NS		NS		NS		1.8		1.7/2.0		1.8		NS		2.0	
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	U	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	U	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		0.809	U	NS		NS		NS		NS		0.081	U	0.081	U
	29-Apr-09	NS		NS		0.19		NS		NS		0.081	U	NS		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	0.081	U	NS	
	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		0.081	U	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	0.404	U	0.081	U	NS		0.081	U
	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	0.081	U	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	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		0.081	U	NS		0.081	U	0.081	U	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	0.405	U	NS	
	28-Oct-11	NS		2	U	NS		NS		2	U	NS		2	U	2	U	2	U				

**Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - April 2015**

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	
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		U
	27-Mar-08	NS		0.079	U	NS		NS		NS		0.079	U	NS		NS		NS	U	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	NS	U	0.08	U	NS		U
	27-Jun-08	0.123	U	NS		NS		NS		0.079	U	NS		NS		NS		NS	U	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		U
	30-Sep-08	NS		NS		NS		5.9	U	NS		NS		NS		5.9	U	NS	U	5.9	U	5.9		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		U
	18-Dec-08	NS		NS		2	U	NS		NS		NS		2	U	NS		NS	U	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		U
	26-Mar-09	NS		0.396	U	NS		NS		NS		0.792	U	NS		NS		NS	U	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		NS		0.792	U	NS		0.396	U	NS		NS		0.079	U	0.079	U	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		0.079		U
	15-Jan-10	0.079	U	NS		0.079	U	0.079	U	NS		0.079	U	NS		NS		0.079	U	0.079	U	0.079		U
	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		0.079	U	0.079	U	NS		0.598	U	NS		NS		0.079	U	0.079	U	0.079		U
	15-Oct-10	NS		0.079	U	NS		NS		0.079	U	NS		0.079	U	0.079	U	0.079	U	NS		NS		U
	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		NS		0.792	U	NS		NS		NS		NS		NS	U	NS		NS		U
	27-Apr-11	NS		0.079	U	NS		NS		0.079	U	NS		0.079	U	NS		0.079	U	NS		NS		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	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		0.4	U	0.53		NS		U
	13-Apr-12	NS		0.2	U	NS		NS		0.2	U	NS		0.2	U	NS		0.2	U	NS		NS		U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS	U	0.99		NS		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		U
	1-Nov-12	NS		0.04	U	NS		NS		0.04	U	NS		0.04	U	NS		0.04	U	NS		NS		U
	1-Feb-13	0.04	U	NS		0.04	U	0.04	U	NS		0.04	U	NS		NS		0.04	U	0.04	U	NS		U
	29-Apr-13	NS		0.2	U	NS		NS		NS		0.079	U	NS		0.079	U	0.079	U	NS		NS		U
	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	NS		U
	18-Oct-13	NS		0.079	U	NS		NS		0.079	U	NS		0.079	U	0.079	U	0.079	U	NS		NS		U
	9-Jan-14	0.079	U	NS		0.079	U	0.079	U	NS		0.079	U	NS		NS		0.079	U	0.079	U	NS		U
	24-Apr-14	NS		0.04	U	NS		NS		0.04	U	NS		0.04	U	NS		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		0.079	U	0.079	U	NS		U
	27-Aug-14	NS		NS		NS		NS		NS		0.040	U	NS		NS		NS	U	NS		NS		U
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		0.059	U	NS		NS		U
22-Oct-14	NS		0.059	U	NS		NS		0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.079		U	
20-Jan-15	0.04	U	NS		0.040	U	0.040	U	NS		0.040	U	NS		NS		NS	U	0.040	U	0.040		U	
30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS	U	NS		0.045		U	
22-Apr-15	NS		0.041 ^v	U	NS		NS		NS		0.040 ^v	U	NS		0.04	U	0.057	U	0.040	U	NS		0.046	
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		U
	27-Mar-08	NS		0.079	U	NS		NS		NS		0.079	U	NS		NS		NS	U	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	NS	U	0.08	U	NS		U
	27-Jun-08	0.123	U	NS		NS		NS		0.079	U	NS		NS		NS		NS	U	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		U
	30-Sep-08	NS		NS		NS		2	U	NS		NS		NS		2	U	NS	U	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		U
	18-Dec-08	NS		NS		2	U	NS		NS		NS		2	U	NS		NS	U	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		U
	26-Mar-09	NS		0.396	U	NS		NS		NS		0.792	U	NS		NS		NS	U	0.079	U	0.079		U
	29-Apr-09	NS		NS		0.079	U	NS		NS		NS		0.079	U	NS		NS	U	NS		NS		U
	22-Jul-09	0.396	U	NS		0.396	U	0.792	U	NS		0.396	U	NS		NS		0.079	U	0.079	U	NS		U
	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	0.079	U	NS		0.079	U	0.079	U	NS		0.079	U	NS		NS		0.079	U	0.079	U	NS		U
	21-Apr-10	NS		0.079	U	NS		NS		0.396	U	NS		3.96	U	0.396	U	0.079	U	NS		0.079		U
	16-Jul-10	0.079	U	NS		0.079	U	NS		NS		0.598	U	NS		NS		0.079	U	0.079	U	NS		U
	15-Oct-10	NS		0.079	U	NS		NS		0.079	U	NS		0.079	U	NS		0.079	U	NS		NS		U
	26-Jan-11	0.792	U	0.079	U	NS		0.079	U	NS		0.36	U	NS		0.396	U	0.396	U	0.3				

**Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - April 2015**

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-Dichloropropane	8-Feb-08	0.09	U	NS		NS		NS		0.09	U	NS		NS		NS		0.09	U	0.09	U
	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		0.092	U	NS		0.092	U
	29-May-08	NS		NS		NS		0.09	U	NS		NS		NS		0.09	U	NS		0.09	U	NS	U
	27-Jun-08	0.144	U	NS		NS		NS		0.092	U	NS		NS		NS		NS		0.092	U	0.092	U
	31-Jul-08	NS		0.092	U	NS		NS		NS		NS		NS		NS		0.092	U	NS		0.092	U
	28-Aug-08	NS		NS		0.092	U	NS		NS		NS		0.092	U	NS		0.092	U	0.092	U	NS	U
	30-Sep-08	NS		NS		NS		0.09	U	NS		NS		NS		0.09	U	NS		0.09	U	NS	U
	27-Oct-08	0.09	U	NS		NS		NS		0.09	U	NS		NS		NS		0.09	U	NS		0.09	U
	25-Nov-08	NS		0.09	U	NS		NS		NS		NS		NS		NS		0.09	U	0.09	U	NS	U
	18-Dec-08	NS		NS		0.09	U	NS		NS		NS		NS		NS		NS		0.09	U	0.09	U
	21-Jan-09	NS		NS		NS		0.09	U	NS		NS		NS		0.09	U	NS		NS		0.09	U
	25-Feb-09	0.09	U	NS		NS		NS		0.09	U	NS		NS		NS		0.09	U	0.09	U	NS	U
	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		0.092	U	NS		0.092	U
	22-Jul-09	0.462	U	NS		18.8	U	0.924	U	NS		NS		NS		NS		0.092	U	0.092	U	NS	U
	9-Oct-09	NS		0.092	U	NS		NS		0.092	U	NS		0.092	U	19.3	U	0.092	U	NS		0.092	U
	15-Jan-10	0.092	U	NS		0.092	U	0.092	U	NS		NS		NS		NS		0.092	U	0.092	U	NS	U
	21-Apr-10	NS		0.092	U	NS		NS		0.462	U	NS		0.462	U	0.462	U	0.092	U	NS		0.092	U
	16-Jul-10	0.092	U	NS		0.092	U	0.092	U	NS		0.698	U	NS		NS		0.092	U	0.092	U	NS	U
	15-Oct-10	NS		0.092	U	NS		NS		0.092	U	NS		0.092	U	0.092	U	0.092	U	NS		0.092	U
	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	NS	U
	28-Feb-11	NS		NS		0.924	U	NS		NS		NS		NS		NS		NS		NS		NS	U
	27-Apr-11	NS		0.092	U	NS		NS		0.092	U	NS		NS		0.092	U	0.092	U	NS		0.092	U
	26-Jul-11	0.308	U	NS		0.308	U	0.092	U	NS		0.462	U	NS		NS		0.092	U	0.462	U	NS	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		0.23	U	0.23	U	NS	U
	13-Apr-12	NS		0.46	U	NS		NS		0.46	U	NS		0.46	U	NS		0.46	U	NS		0.46	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		1.2	U	NS	U
	23-Jun-12	0.46	U	NS		0.46	U	0.46	U	NS		NS		NS		NS		0.46	U	0.46	U	NS	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	NS		0.092	U	NS		NS		NS		0.092	U	0.092	U	NS	U
	29-Apr-13	NS		0.12	U	NS		NS		0.046	U	NS		0.046	U	0.046	U	0.046	U	NS		0.098	U
	9-Jul-13	0.14	U	NS		0.092	U	0.092	U	NS		0.092	U	NS		NS		0.092	U	0.092	U	NS	U
	18-Oct-13	NS		0.092	U	NS		NS		0.092	U	NS		0.092	U	0.092	U	0.092	U	NS		0.092	U
	9-Jan-14	0.092	U	NS		0.092	U	0.092	U	NS		0.092	U	NS		NS		0.092	U	0.092	U	NS	U
	24-Apr-14	NS		0.046 ^{L-V}	U	NS		NS		0.046 ^{L-V}	U	NS		0.046 ^{L-V}	U	0.046 ^{L-V}	U	0.046 ^{L-V}	U	0.046 ^{L-V}	U	0.14 ^{L-V}	U
	1-Aug-14	0.092	U	NS		0.14	U	0.14	U	NS		NS		NS		NS		0.092	U	0.092	U	NS	U
	27-Aug-14	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		0.069 ^{L-V}	U	NS		NS		NS	U
	22-Oct-14	NS		0.069	U	NS		NS		0.069	U	0.069	U	0.069	U	0.069	U	0.069	U	0.092	U	NS	U
	20-Jan-15	0.046	U	NS		0.046	U	NS		NS		NS		NS		NS		NS		0.046	U	NS	U
	30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		0.052	U	NS	U
	22-Apr-15	NS		0.047	U	NS		NS		0.046	U	NS		0.046	U	0.067	U	0.046	U	NS		0.053	U
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	U
	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		0.091	U	NS		0.091	U
	29-May-08	NS		NS		NS		0.09	U	NS		NS		NS		0.09	U	NS		0.09	U	NS	U
	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		0.091	U	NS		0.091	U
	28-Aug-08	NS		NS		0.091	U	NS		NS		NS		0.091	U	NS		0.091	U	0.091	U	NS	U
	27-Oct-08	NS		NS		NS		0.18	U	NS		NS		NS		0.18	U	NS		0.18	U	0.18	U
	27-Oct-08	0.18	U	NS		NS		NS		0.18	U	NS		NS		NS		0.18	U	NS		0.18	U
	25-Nov-08	NS		0.18	U	NS		NS		0.18	U	NS		NS		NS		0.18	U	0.18	U	NS	U
	18-Dec-08	NS		NS		0.18	U	NS		NS		NS		0.18	U	NS		NS		0.18	U	0.18	U
	21-Jan-09	NS		NS		NS		0.18	U	NS		NS		NS		0.18	U	NS		0.18	U	NS	U
	25-Feb-09	0.18	U	NS		NS		NS		0.18	U	NS		NS		NS		0.18	U	0.18	U	NS	U
	26-Mar-09	NS		0.453	U	NS		NS		0.907	U	NS		NS		NS		NS		0.091	U	0.91	U
	29-Apr-09	NS		NS		0.091	U	NS		NS		NS		0.091	U	NS		NS		NS		0.091	U
	22-Jul-09	0.453	U	NS		18.5	U	0.907	U	NS		0.453	U	NS		NS		0.091	U	0.091	U	NS	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		0.091	U	0.091	U	NS	U
	21-Apr-10	NS		0.091	U	NS		NS		0.453	U	NS		0.453	U	0.453	U	0.091	U	NS		0.091	U
	16-Jul-10	0.091	U	NS		0.091	U	NS		0.685	U	NS		NS		NS		0.091	U	0.091	U	NS	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</					

**Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - April 2015**

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
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	U
	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		0.091	U	NS	U	0.091	U
	29-May-08	NS		NS		NS		0.09	U	NS		NS		NS		0.09		0.09	U	0.09	U	NS	U
	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		0.091	U	NS	U	0.091	U
	28-Aug-08	NS		NS		0.091	U	NS		NS		NS		0.091	U	NS		0.091	U	0.091	U	NS	U
	30-Sep-08	NS		NS		NS		0.18	U	NS		NS		NS		0.18	U	NS		0.18	U	0.18	U
	27-Oct-08	0.18	U	NS		NS		NS		NS		NS		NS		NS		NS		0.18	U	0.18	U
	25-Nov-08	NS		0.18	U	NS		NS		NS		NS		NS		NS		NS		0.18	U	0.18	U
	18-Dec-08	NS		NS		0.18	U	NS		NS		NS		NS		NS		NS		0.18	U	0.18	U
	21-Jan-09	NS		NS		NS		0.18	U	NS		NS		NS		NS		NS		0.18	U	0.18	U
	25-Feb-09	0.18	U	NS		NS		NS		NS		NS		NS		NS		NS		0.18	U	0.18	U
	26-Mar-09	NS		0.453	U	NS		NS		NS		NS		0.907	U	NS		NS		NS	U	0.091	U
	29-Apr-09	NS		NS		0.091	U	NS		NS		NS		NS		NS		NS		0.091	U	NS	U
	22-Jul-09	0.453	U	NS		0.453	U	0.907	U	NS		NS		NS		NS		NS		0.091	U	0.091	U
	9-Oct-09	NS		0.079	U	NS		NS		NS		NS		NS		NS		NS		NS	U	NS	U
	15-Jan-10	0.091	U	NS		0.091	U	0.091	U	NS		NS		NS		NS		NS		0.091	U	0.091	U
	21-Apr-10	NS		0.091	U	NS		NS		0.453	U	NS		NS		0.453	U	NS		0.091	U	NS	U
	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		NS		NS		NS		NS		NS		0.091	U	NS	U
	26-Jan-11	0.907	U	0.091	U	NS		0.091	U	NS		0.453	U	NS		NS		0.453	U	0.453	U	NS	U
	28-Feb-11	NS		NS		0.907	U	NS		NS		NS		NS		NS		NS		NS	U	NS	U
	27-Apr-11	NS		0.091	U	NS		NS		NS		NS		NS		NS		NS		0.091	U	NS	U
	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		NS		2.3	U	NS		2.3	U	NS		2.3	U	NS	U
	23-Jan-12	0.45	U	NS		0.45	U	0.45	U	NS		0.45	U	NS		NS		NS		0.45	U	NS	U
	13-Apr-12	NS		1.2	U	NS		NS		NS		0.23	U	NS		0.23	U	NS		NS	U	0.23	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U	1.1	U
	23-Jun-12	0.45	U	NS		0.45	U	NS		NS		NS		NS		NS		NS		NS	U	0.45	U
	1-Nov-12	NS		0.045	U	NS		NS		NS		0.045	U	NS		0.045	U	NS		0.045	U	NS	U
	1-Feb-13	0.045	U	NS		0.045	U	0.045	U	NS		NS		NS		NS		NS		0.045	U	NS	U
	29-Apr-13	NS		0.11	U	NS		NS		NS		0.045	U	NS		0.045	U	NS		0.045	U	NS	U
	9-Jul-13	0.068	U	NS		0.045	U	0.045	U	NS		NS		NS		NS		NS		0.045	U	NS	U
	18-Oct-13	NS		0.091	U	NS		NS		NS		0.091	U	NS		NS		NS		0.091	U	NS	U
	9-Jan-14	0.091	U	NS		0.091	U	0.091	U	NS		0.091	U	NS		NS		NS		0.091	U	NS	U
	24-Apr-14	NS		0.045	U	NS		NS		NS		NS		NS		NS		NS		0.045	U	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	U
	27-Aug-14	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U	NS	U
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		0.068	U	NS	U	NS	U
22-Oct-14	NS		0.068	U	NS		NS		NS		0.068	U	NS		0.068	U	NS		0.068	U	0.091	U	
20-Jan-15	0.045	U	NS		0.045	U	0.045	U	NS		NS		NS		NS		NS		NS	U	0.045	U	
30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U	0.051	U	
22-Apr-15	NS		0.047	U	NS		NS		NS		0.045	U	NS		NS		0.066	U	NS	U	NS	0.052	
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		NS		NS		NS		NS		0.565	
	29-May-08	NS		NS		NS		1.49		NS		NS		NS		2.2		2.82		NS		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		0.758		NS		0.577	
	28-Aug-08	NS		NS		0.83		NS		NS		NS		NS		NS		NS		0.666		NS	
	30-Sep-08	NS		NS		NS		2.2	U	NS		NS		NS		NS		NS		2.2	U	NS	U
	27-Oct-08	18.4		NS		NS		NS		NS		NS		NS		NS		NS		NS	U	NS	U
	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	U	NS	U
	21-Jan-09	NS		NS		NS		2.2	U	NS		NS		NS		NS		NS		2.2	U	NS	U
	25-Feb-09	10.8		NS		NS		NS		NS		NS		NS		NS		NS		2.2	U	NS	U
	26-Mar-09	NS		0.516		NS		NS		NS		0.868	U	NS		NS		NS		NS		1.18	
	29-Apr-09	NS		NS		0.19		NS		NS		NS		NS		NS		NS		0.304		NS	0.325
	22-Jul-09	11.7		NS		11.7		0.868	U	NS		1.15		NS		NS		NS		38.2		1.04	NS
	9-Oct-09	NS		0.564		NS		NS		NS		0.56		NS		0.291		NS		18.1	U	0.542	NS
	15-Jan-10	6.95		NS		0.568		0.542		NS		0.659		NS		NS		NS		NS		0.72	NS
	21-Apr-10	NS		0.304		NS		NS		NS		1.34		NS		NS		NS		1.76		2.12	NS
	16-Jul-10	8.23		NS		2.4		1.8		NS		1.44		NS		NS		NS		NS		1.51	NS
	15-Oct-10	NS		0.534		NS		NS		0.625		NS		NS		0.521		0.573		NS		1.07	NS
	26-Jan-11	1.26		NS		NS		1.66		NS		NS		NS		NS		NS		1.21		4.14	NS
	28-Feb-11	NS		NS		0.868	U	NS		NS		NS		NS		NS		NS		NS		NS	NS
	27-Apr-11	NS		0.243		NS		NS		NS		0.239		NS		0.286		3.86		NS		0.364	NS
	26-Jul-11	3.91		NS		0.942		0.339		NS		NS		NS	U	NS		NS		NS		0.304	NS
	28-Oct-11	NS		2.2	U	NS		NS		NS		2.2	U	NS		NS		NS		NS		NS	NS
	23-Jan-12	3		NS		0.79		0.56															

**Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - April 2015**

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
		isopropylbenzene	8-Feb-08	2.46	U	NS		NS		NS		2.46	U	NS		NS		NS		2.46	U	2.46	U
	27-Mar-08	NS		2.46	U	NS		NS		NS		NS		NS		NS		NS	U	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	U	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	U
	27-Jun-08	3.83	U	NS		NS		NS		2.46	U	NS		NS		NS		NS	U	2.46	U	2.46	U
	31-Jul-08	NS		2.46	U	NS		NS		NS		NS		NS		NS		2.46	U	NS	U	2.46	U
	28-Aug-08	NS		NS		2.46	U	NS		NS		NS		2.46	U	NS		2.46	U	2.46	U	NS	U
	30-Sep-08	NS		NS		NS		4.9	U	NS		NS		NS		4.9	U	NS	U	4.9	U	4.9	U
	27-Oct-08	5.2		NS		NS		NS		4.9	U	NS		NS		NS		4.9	U	NS	U	4.9	U
	25-Nov-08	NS		4.9	U	NS		NS		NS		4.9	U	NS		NS		5.9	U	4.9	U	NS	U
	18-Dec-08	NS		NS		4.9	U	NS		NS		NS		4.9	U	NS		NS	U	4.9	U	4.9	U
	21-Jan-09	NS		NS		NS		4.9	U	NS		NS		NS		4.9	U	4.9	U	NS	U	4.9	U
	25-Feb-09	4.9	U	NS		NS		NS		4.9	U	NS		NS		NS		4.9	U	4.9	U	NS	U
	26-Mar-09	NS		12.3	U	NS		NS		NS		24.6	U	NS		NS		NS	U	2.46	U	2.46	U
	29-Apr-09	NS		NS		2.46	U	NS		NS		NS		2.46	U	NS		2.46	U	NS	U	2.46	U
	22-Jul-09	12.3	U	NS		12.3	U	24.6	U	NS		12.3	U	NS		NS		3.78	U	2.46	U	NS	U
	9-Oct-09	NS		2.74	U	NS		NS		2.46	U	NS		2.46	U	513	U	2.46	U	NS	U	2.46	U
	15-Jan-10	2.46	U	NS		2.46	U	2.46	U	NS		2.46	U	NS		NS		2.46	U	2.46	U	NS	U
	21-Apr-10	NS		2.46	U	NS		NS		12.3	U	NS		12.3	U	12.3	U	2.46	U	NS	U	2.46	U
	16-Jul-10	2.46	U	NS		2.66	U	2.46	U	NS		18.5	U	NS		NS		2.46	U	2.46	U	NS	U
	15-Oct-10	NS		2.46	U	NS		NS		2.46	U	NS		2.46	U	NS		2.46	U	NS	U	2.46	U
	26-Jan-11	24.6	U	2.46	U	NS		2.46	U	NS		12.3	U	NS		12.3	U	12.3	U	12.3	U	NS	U
	28-Feb-11	NS		NS		24.6	U	NS		NS		NS		NS		NS		NS	U	NS	U	NS	U
	27-Apr-11	NS		2.46	U	NS		NS		2.46	U	NS		2.46	U	2.46	U	2.46	U	NS	U	2.46	U
	26-Jul-11	8.21	U	NS		8.21	U	2.46	U	NS		12.3	U	NS		NS		2.46	U	12.3	U	NS	U
	28-Oct-11	NS		6.2	U	NS		NS		6.2	U	NS		6.2	U	6.2	U	6.2	U	NS	U	6.2	U
	23-Jan-12	1.2	U	NS		1.2	U	0.25	U	NS		1.2	U	NS		NS		1.2	U	1.4	U	NS	U
	13-Apr-12	NS		1.2	U	NS		NS		1.2	U	NS		1.2	U	NS		1.2	U	NS	U	1.2	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS	U	6.2	U	NS	U
	23-Jun-12	1.2	U	NS		1.2	U	1.2	U	NS		1.2	U	NS		NS		1.2	U	1.2	U	NS	U
	1-Nov-12	NS		0.25	U	NS		NS		0.25	U	NS		0.25	U	0.25	U	0.25	U	NS	U	0.25	U
	1-Feb-13	0.25	U	NS		0.25	U	NS		NS		NS		NS		NS		NS	U	0.25	U	NS	U
	29-Apr-13	NS		0.62	U	NS		NS		0.25	U	NS		0.25	U	0.25	U	0.25	U	NS	U	0.25	U
	9-Jul-13	0.37	U	NS		0.25	U	0.25	U	NS		0.25	U	NS		NS		0.25	U	0.25	U	NS	U
	18-Oct-13	NS		0.25	U	NS		NS		0.25	U	NS		0.25	U	0.27	U	0.25	U	NS	U	0.25	U
	9-Jan-14	0.25	U	NS		0.25	U	0.25	U	NS		0.25	U	NS		NS		0.53	U	0.49	U	NS	U
	24-Apr-14	NS		0.25	U	NS		NS		0.25	U	NS		0.25	U	NS		0.25	U	0.25	U	0.37	U
	1-Aug-14	0.25	U	NS		0.37	U	0.37	U	NS		NS		NS		NS		0.25	U	0.25	U	NS	U
	27-Aug-14	NS		NS		NS		NS		NS		NS		NS		NS		NS	U	NS	U	NS	U
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		0.37	U	NS	U	NS	U	NS	U
	22-Oct-14	NS		0.37	U	NS		NS		0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.50	U	NS	U
	20-Jan-15	0.25	U	NS		0.25	U	NS		0.25	U	NS		NS		NS		0.37	U	0.25	U	NS	U
	30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS	U	0.28	U	NS	U
	22-Apr-15	NS		0.26	U	NS		NS		0.25	U	NS		0.25	U	0.36	U	0.25	U	NS	U	0.29	U
p-isopropyltoluene	8-Feb-08	2.74	U	NS		NS		NS		2.74	U	NS		NS		NS		2.74	U	2.74	U	NS	U
	27-Mar-08	NS		2.74	U	NS		1.2		NS		NS		NS		NS		NS	U	2.74	U	2.74	U
	25-Apr-08	NS		NS		2.74	U	NS		NS		NS		2.74	U	NS		2.74	U	NS	U	2.74	U
	29-May-08	NS		NS		NS		2.74	U	NS		NS		NS		2.74	U	2.74	U	NS	U	NS	U
	27-Jun-08	4.27	U	NS		NS		NS		2.74	U	NS		NS		NS		NS	U	2.74	U	2.74	U
	31-Jul-08	NS		2.74	U	NS		NS		NS		NS		NS		NS		2.74	U	NS	U	2.74	U
	28-Aug-08	NS		NS		2.74	U	NS		NS		NS		2.74	U	NS		2.74	U	2.74	U	NS	U
	30-Sep-08	NS		NS		NS		5.5	U	NS		NS		NS		5.5	U	NS	U	5.5	U	5.5	U
	27-Oct-08	12.5		NS		NS		NS		5.5	U	NS		NS		NS		18.5	U	NS	U	5.5	U
	25-Nov-08	NS		5.5	U	NS		NS		NS		5.5	U	NS		NS		5.5	U	5.5	U	NS	U
	18-Dec-08	NS		NS		5.5	U	NS		NS		NS		5.5	U	NS		NS	U	5.5	U	5.5	U
	21-Jan-09	NS		NS		NS		5.5	U	NS		NS		NS		NS		5.5	U	NS	U	5.5	U
	25-Feb-09	5.5	U	NS		NS		NS		NS		NS		NS		NS		5.5	U	5.5	U	NS	U
	26-Mar-09	NS		13.7	U	NS		NS		NS		27.4	U	NS		NS		NS	U	2.74	U	2.74	U
	29-Apr-09	NS		NS		2.74	U	NS		NS		NS		2.74	U	NS		2.74	U	NS	U	2.74	U
	22-Jul-09	13.7	U	NS		13.7	U	27.4	U	NS		13.7	U	NS		NS		2.74	U	2.74	U	NS	U
	9-Oct-09	NS		2.74	U	NS		NS		2.74	U	NS		2.74	U	573	U	2.74	U	NS	U	2.74	U
	15-Jan-10	2.72	U	NS		2.74	U	2.74	U	NS		2.74	U	NS		NS		2.74	U	2.74	U	NS	U
	21-Apr-10	NS		2.74	U	NS		NS		13.7	U	NS		13.7	U	NS		2.74	U	NS	U	2.74	U
	16-Jul-10	2.74	U	NS		2.74	U	2.74	U	NS		20.7	U	NS		NS		2.74	U	2.74	U	NS	U
	15-Oct-10	NS		2.74	U	NS		NS		2.74	U	NS		2.74	U	2.74	U	2.74	U	NS	U	2.74	U
	26-Jan-11	27.4	U	2.74	U	NS		2.74	U	NS		13.7	U	NS		13.7	U	13.7	U	13.7	U	NS	U
	28-Feb-11	NS		NS		27.4	U	NS		NS		NS		NS		NS		NS	U	NS	U	NS	U

**Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - April 2015**

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
		1,1,1,2-Tetrachloroethane	8-Feb-08	0.14	U	NS		NS		NS		0.14	U	NS		NS		NS		0.14	U	0.14	U
	27-Mar-08	NS		0.137	U	NS		NS		NS		0.137	U	NS		NS		NS	U	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	U	0.137	U
	29-May-08	NS		NS		NS		0.14	U	NS		NS		NS		0.14	U	0.14	U	0.14	U	NS	U
	27-Jun-08	0.214	U	NS		NS		NS		0.137	U	NS		NS		NS		NS	U	0.137	U	0.137	U
	31-Jul-08	NS		0.137	U	NS		NS		NS		NS		NS		NS		0.137	U	NS	U	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	U
	30-Sep-08	NS		NS		NS		0.14	U	NS		NS		NS		0.14	U	NS	U	0.14	U	0.14	U
	27-Oct-08	0.14	U	NS		NS		NS		0.14	U	NS		NS		NS		0.14	U	NS	U	0.14	U
	25-Nov-08	NS		0.14	U	NS		NS		NS		0.14	U	NS		NS		0.14	U	0.14	U	NS	U
	18-Dec-08	NS		NS		0.14	U	NS		NS		NS		0.14	U	NS		NS	U	0.14	U	0.14	U
	21-Jan-09	NS		NS		NS		0.19	U	NS		NS		NS		0.14	U	0.14	U	NS	U	0.14	U
	25-Feb-09	0.14	U	NS		NS		NS		0.14	U	NS		NS		NS		0.14	U	0.14	U	NS	U
	26-Mar-09	NS		0.686	U	NS		NS		NS		1.37	U	NS		NS		NS	U	0.137	U	0.137	U
	29-Apr-09	NS		NS		0.137	U	NS		NS		NS		0.137	U	NS		0.137	U	NS	U	0.137	U
	22-Jul-09	0.686	U	NS		28	U	1.37	U	NS		0.686	U	NS		NS		0.137	U	0.137	U	NS	U
	9-Oct-09	NS		0.137	U	NS		NS		0.137	U	NS		0.137	U	28.6	U	0.137	U	NS	U	0.137	U
	15-Jan-10	0.109	U	NS		0.137	U	1.37	U	NS		0.137	U	NS		NS		0.137	U	0.137	U	NS	U
	21-Apr-10	NS		0.137	U	NS		NS		0.686	U	NS		0.686	U	0.686	U	0.137	U	NS	U	0.137	U
	16-Jul-10	0.137	U	NS		0.137	U	0.137	U	NS		1.04	U	NS		NS		0.137	U	0.137	U	NS	U
	15-Oct-10	NS		0.137	U	NS		NS		0.137	U	NS		0.137	U	0.137	U	0.137	U	NS	U	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	U
	28-Feb-11	NS		NS		NS		NS		NS		NS		NS		NS		NS	U	NS	U	NS	U
	27-Apr-11	NS		0.137	U	NS		NS		0.137	U	NS		0.137	U	0.137	U	0.137	U	NS	U	0.137	U
	26-Jul-11	0.458	U	NS		0.458	U	0.137	U	NS		0.687	U	NS		NS		0.137	U	0.687	U	NS	U
	28-Oct-11	NS		6.2	U	NS		NS		6.2	U	NS		6.2	U	6.2	U	6.2	U	NS	U	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	1.2	U	NS	U
	13-Apr-12	NS		1.2	U	NS		NS		1.2	U	NS		1.2	U	NS		1.2	U	NS	U	1.2	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS	U	6.2	U	NS	U
	23-Jun-12	1.2	U	NS		1.2	U	1.2	U	NS		1.2	U	NS		NS		1.2	U	1.2	U	NS	U
	1-Nov-12	NS		0.25	U	NS		NS		0.25	U	NS		0.25	U	0.25	U	0.25	U	NS	U	0.25	U
	1-Feb-13	0.25	U	NS		0.25	U	0.25	U	NS		0.25	U	NS		NS		0.25	U	0.25	U	NS	U
	29-Apr-13	NS		0.62	U	NS		NS		0.25	U	NS		0.25	U	0.25	U	0.25	U	NS	U	0.25	U
	9-Jul-13	0.37	U	NS		0.25	U	0.25	U	NS		0.25	U	NS		NS		0.036	U	0.25	U	NS	U
	18-Oct-13	NS		0.25	U	NS		NS		0.25	U	NS		0.25	U	0.25	U	0.25	U	NS	U	0.25	U
	9-Jan-14	0.25	U	NS		0.25	U	0.25	U	NS		0.25	U	NS		NS		0.25	U	0.25	U	NS	U
	24-Apr-14	NS		0.25	U	NS		NS		0.25 ⁺	U	NS		0.25 ⁺	U	0.25	U	0.25 ⁺	U	0.25	U	0.37	U
	1-Aug-14	0.25	U	NS		0.37	U	0.37	U	NS		NS		NS		NS		0.25	U	0.25	U	NS	U
	27-Aug-14	NS		NS		NS		NS		NS		0.25	U	NS		NS		NS	U	NS	U	NS	U
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		0.37	U	NS	U	NS	U	NS	U
	22-Oct-14	NS		0.37	U	NS		NS		0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.50	U	NS	U
	20-Jan-15	0.25	U	NS		0.25	U	0.25	U	NS		0.25	U	NS		NS		0.37	U	0.25	U	NS	U
	30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS	U	0.28	U	NS	U
	22-Apr-15	NS		0.29	U	NS		NS		0.25	U	NS		0.25	U	0.36	U	0.25	U	NS	U	0.29	U
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	U
	27-Mar-08	NS		0.137	U	NS		NS		NS		0.137	U	NS		NS		NS	U	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	U	0.137	U
	29-May-08	NS		NS		NS		0.14	U	NS		NS		NS		0.14	U	0.14	U	0.14	U	NS	U
	27-Jun-08	0.214	U	NS		NS		NS		0.137	U	NS		NS		NS		NS	U	0.137	U	0.137	U
	31-Jul-08	NS		0.137	U	NS		NS		NS		NS		NS		NS		0.137	U	NS	U	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	U
	30-Sep-08	NS		NS		NS		0.14	U	NS		NS		NS		0.14	U	NS	U	0.14	U	0.14	U
	27-Oct-08	0.14	U	NS		NS		NS		0.14	U	NS		NS		NS		0.14	U	NS	U	0.14	U
	25-Nov-08	NS		0.14	U	NS		NS		NS		0.14	U	NS		NS		0.14	U	0.14	U	NS	U
	18-Dec-08	NS		NS		0.14	U	NS		NS		NS		0.14	U	NS		NS	U	0.14	U	0.14	U
	21-Jan-09	NS		NS		NS		0.14	U	NS		NS		NS		0.14	U	0.14	U	NS	U	0.14	U
	25-Feb-09	0.14	U	NS		NS		NS		0.14	U	NS		NS		NS		0.14	U	0.14	U	NS	U
	26-Mar-09	NS		0.686	U	NS		NS		NS		1.37	U	NS		NS		NS	U	0.137	U	0.137	U
	29-Apr-09	NS		NS		0.137	U	NS		NS		NS		0.137	U	NS		0.137	U	NS	U	0.137	U
	22-Jul-09	0.686	U	NS		28	U	0.137	U	NS		0.686	U	NS		NS		0.137	U	0.137	U	NS	U
	9-Oct-09	NS		0.137	U	NS		NS		0.137	U	NS		0.137	U	28.6	U	0.137	U	NS	U	0.137	U
	15-Jan-10	0.109	U	NS		0.137	U	0.137	U	NS		0.109	U	NS		NS		0.137	U	0.137	U	NS	U
	21-Apr-10	NS		0.137	U	NS		NS		0.686	U	NS		0.686	U	0.686	U	0.137	U	NS	U	0.137	U
	16-Jul-10	0.137	U	NS		0.137	U	0.137	U	NS		1.04	U	NS		NS		0.137	U	0.137	U	NS	U
	15-Oct-10	NS		0.137	U	NS		NS		0.137	U	NS		0.137	U	0.137	U	0.137	U	NS	U	0.137	U
	26-Jan-11	1.37	U	0.137	U	NS		0.137	U	NS													

**Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - April 2015**

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
		Tetrachloroethene*	8-Feb-08	0.35		NS		NS		NS		0.14	U	NS		NS		NS		0.53		5.05	
	27-Mar-08	NS		0.888		NS		NS		0.875		NS		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		10		NS		NS		NS		4.2		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		3.4	U	NS		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		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		1.36	U	NS		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		3.08		NS		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		0.691		NS		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		NS		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		NS		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		0.32		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-14	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	
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		0.34		NS	U	NS		NS	
	22-Oct-14	NS		6.9		NS		NS		5.0		0.61		0.43		0.10	U	0.10	U	4.0		NS	
	20-Jan-15	0.9		NS		0.20		0.37		NS		1.0		NS		NS		0.52		0.21		NS	
	30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		3.0		NS	
	22-Apr-15	NS		5.3		NS		NS		2.6		NS		0.85		0.48/0.52		1.7		NS		1.5	
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		7.74		NS		NS		NS		NS		11.6		21		NS		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		NS		1.9	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		1.9		NS	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		13.8		NS	
	26-Mar-09	NS		3.53		NS		NS		3.92		NS		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		0.9		NS		NS		2.97		NS		3.75		5.2		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		NS		1.68	
	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		3.4		NS		NS		5.2		NS		NS	

**Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - April 2015**

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		NS	
	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		NS		13.6		NS	
	27-Jun-08	0.408		NS		NS		NS		258		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		0.54	U	NS		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		NS		NS		NS		0.13		43		NS	
	24-Apr-14	NS		1.0		NS		NS		58		NS		0.81		0.13		NS		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	
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		0.30		NS		NS	U	NS	
	22-Oct-14	NS		1.3		NS		NS		88		0.97		1.4		0.19		0.17		18		NS	
	20-Jan-15	0.52		NS		0.054	U	24		NS		1.3		NS		NS		0.081	U	0.054	U	NS	
	30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		15		NS	
	22-Apr-15	NS		0.96		NS		NS		35		NS		0.80		0.078	U	0.57		NS		3.6	
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		34		NS	
	18-Dec-08	NS		NS		2.8	U	NS		NS		4.9		NS		NS		NS	U	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		14.8		NS		NS		NS		NS		2.8	U	7.1		NS	
	26-Mar-09	NS		1.43		NS		NS		NS		2.81	U	NS		NS		NS	U	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		41.2	U	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													

**Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - April 2015**

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		0.152		NS		NS		NS		NS		0.958		0.681	
	25-Apr-08	NS		NS		1.72		NS		NS		NS		0.644		NS		0.517		NS		0.338	
	29-May-08	NS		NS		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		2.5	U	NS		NS		NS		2.5		NS		2.9	
	25-Nov-08	NS		2.5	U	NS		NS		2.5		NS		NS		2.5		NS		6.4		5.2	
	18-Dec-08	NS		NS		2.5	U	NS		NS		2.5		NS		2.5	U	NS		NS		2.5	U
	21-Jan-09	NS		NS		NS		2.5	U	NS		NS		NS		2.5		NS		2.5		NS	
	25-Feb-09	17.5		NS		NS		NS		4		NS		NS		NS		6.2		NS		2.9	
	26-Mar-09	NS		0.491	U	NS		NS		NS		0.982	U	NS		NS		NS		NS		1.09	
	29-Apr-09	NS		NS		0.265		NS		NS		NS		0.378		NS		0.707		NS		NS	
	22-Jul-09	3.49		NS		20	U	0.982	U	NS		0.737		NS		NS		56.4		NS		0.86	
	9-Oct-09	NS		0.707		NS		NS		0.781		NS		0.648		NS		20.5	U	1.36		NS	
	15-Jan-10	2.87		NS		0.354		0.29		NS		0.314		NS		NS		1.06		NS		1.17	
	21-Apr-10	NS		0.211		NS		NS		0.933		NS		1.42		NS		1.13		0.653		NS	
	16-Jul-10	8.3		NS		8.23		8.09		NS		6.27		NS		NS		4.28		NS		5.05	
	15-Oct-10	NS		NS		1.29		NS		NS		1.61		NS		1.1		1.38		NS		1.86	
	26-Jan-11	1.23		1.4		NS		1.6		NS		0.491	U	NS		NS		1.35		6.93		10.4	
	28-Feb-11	NS		NS		0.982	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.845		NS		NS		0.855		NS		1.24		NS		1.06		2.06		NS	
	26-Jul-11	1.29		NS		2.67		0.61		NS		0.541		NS		NS		2.48		NS		0.541	
	28-Oct-11	NS		2.5	U	NS		NS		2.5	U	NS		2.5	U	NS		2.5	U	3.7		NS	
	23-Jan-12	3		NS		0.76		0.49	U	NS		0.71		NS		NS		2.7		NS		2.8	
	13-Apr-12	NS		0.49	U	NS		NS		0.49	U	NS		0.49	U	NS		1.1		NS		3.9	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		2.5	U
	23-Jun-12	4.1		NS		1.3		1.2		NS		1.1		NS		NS		NS		2.1		1.1	
	1-Nov-12	NS		1.7		NS		NS		2.5		NS		3.1		NS		3		3.2		NS	
	1-Feb-13	1.2		NS		0.23		0.21		NS		0.3		NS		NS		1		NS		0.86	
	29-Apr-13	NS		0.54		NS		NS		0.74		NS		0.66		NS		0.83		1		NS	
	9-Jul-13	4.2		NS		1.6		1.8		NS		1.8		NS		NS		2		NS		2.0	
	18-Oct-13	NS		NS		4.8		NS		NS		4.3		NS		5.6		6.4		5.0		NS	
	9-Jan-14	2.7		NS		2.7		3.8		NS		3.8		NS		NS		NS		12.0		13.0	
	24-Apr-14	NS		0.098	U	NS		NS		0.098	U	NS		0.13		0.098		0.098	U	0.5		0.1	
	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	
	27-Aug-14	NS		NS		NS		NS		NS		1.1		NS		NS		NS		NS		NS	
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		1.2		NS		NS	
22-Oct-14	NS		0.37		NS		NS		0.28		0.6		0.59		NS		0.50		1.0		1.2		
20-Jan-15	0.19		NS		0.098	U	0.098	U	NS		0.098	U	NS		NS		NS		0.3		0.4		
30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		0.55		
22-Apr-15	NS		0.27		NS		NS		NS		0.17		NS		0.24		0.33/0.37		0.33		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		NS		2.5	U	NS		NS		NS		2.5	U	NS		2.5		2.5	U
	27-Oct-08	7.8		NS		NS		NS		2.5	U	NS		NS		NS		NS		NS		NS	
	25-Nov-08	NS		2.5	U	NS		NS		NS		2.5	U	NS		NS		NS		2.5		NS	
	18-Dec-08	NS		NS		2.5	U	NS		NS		2.5	U	NS		NS		NS		NS		NS	
	21-Jan-09	NS		NS		NS		2.5	U	NS		NS		NS		NS		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	
	29-Apr-09	NS		NS		0.147		NS		NS		NS		0.128		NS		NS		0.211		NS	
	22-Jul-09	3		NS		20	U	0.982	U	NS		0.491	U	NS		NS		NS		22.7		0.275	
	9-Oct-09	NS		0.216		NS		NS		0.241		NS		0.187		NS		20.5	U	0.388		NS	
	15-Jan-10	2.15		NS		0.118		0.098	U	NS		0.108		NS		NS		NS		0.29		0.334	
	21-Apr-10	NS		0.098	U	NS		NS		0.491	U	NS		0.491	U	NS		0.491	U	0.177		NS	
	16-Jul-10	2.76		NS		1.88		1.81		NS		1.67		NS		NS		NS		1.08		NS	
	15-Oct-10	NS		0.418		NS		NS		0.383		NS		0.275		NS		0.324		0.545		NS	
	26-Jan-11	0.982	U	0.437		NS		0.472		NS		0.491	U	NS		NS		0.491	U	1.99		2.87	
	28-Feb-11	NS		NS		0.982	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.255		NS		NS		0.27		NS		0.368		NS		0.329		0.599		NS	
	26-Jul-11	0.688		NS		0.885		0.182		NS		0.492	U	NS		NS		NS		0.664		0.492	U
	28-Oct-11	NS		2.5	U	NS		NS		2.5	U	NS		NS		NS		NS		NS		NS	
	23-Jan-12	0.99		NS		0.49	U	0.49	U	NS		0.49	U	NS		NS		NS		0.71		NS	
	13-Apr-12	NS		0.49	U	NS		NS		0.49	U	NS		0.49	U	NS		0.49					

**Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - April 2015**

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	
		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	0.05		0.05	U	NS		U
	27-Jun-08	0.08	U	NS		NS		NS		0.051	U	NS		NS		NS		NS		0.051	U	0.051		U
	31-Jul-08	NS		0.051	U	NS		NS		NS		NS		NS		NS		0.051	U	NS		0.051		U
	28-Aug-08	NS		NS		0.051	U	NS		NS		NS		0.051	U	NS		0.051	U	0.051		NS		U
	30-Sep-08	NS		NS		NS		0.1	U	NS		NS		NS		0.1	U	NS		0.1		0.1		U
	27-Oct-08	0.1	U	NS		NS		NS		0.1	U	NS		NS		NS		0.1	U	NS		0.1		U
	25-Nov-08	NS		0.1	U	NS		NS		NS		0.1	U	NS		NS		0.1	U	0.1	U	NS		U
	18-Dec-08	NS		NS		0.1	U	NS		NS		NS		0.1	U	NS		NS		0.1	U	0.1		U
	21-Jan-09	NS		NS		NS		0.1	U	NS		NS		NS		0.1	U	0.1	U	NS		0.1		U
	25-Feb-09	0.1	U	NS		NS		NS		0.1	U	NS		NS		NS		0.1	U	0.1	U	NS		U
	26-Mar-09	NS		0.255	U	NS		NS		NS		0.511	U	NS		NS		NS		0.051	U	0.051		U
	29-Apr-09	NS		NS		0.061		NS		NS		NS		0.051	U	NS		0.051	U	NS		0.051		U
	22-Jul-09	0.255	U	NS		0.255	U	NS		NS		0.255	U	NS		NS		0.051	U	0.051	U	0.051		U
	9-Oct-09	NS		1.72		NS		NS		0.051	U	NS		0.102		10.7	U	0.051	U	NS		0.051		U
	15-Jan-10	0.051	U	NS		0.061	U	NS		0.051	U	NS		NS		NS		0.051	U	0.051	U	NS		U
	21-Apr-10	NS		0.051	U	NS		NS		0.255	U	NS		0.256	U	0.255	U	0.051	U	NS		0.051		U
	16-Jul-10	0.051	U	NS		1.98		0.051	U	NS		0.386	U	NS		NS		0.051	U	0.051	U	NS		U
	15-Oct-10	NS		0.051	U	NS		NS		0.051	U	NS		0.051	U	0.051	U	0.051	U	NS		NS		U
	26-Jan-11	0.511	U	0.051	U	NS		0.051	U	NS		0.255	U	NS		0.255	U	0.255	U	0.255	U	NS		U
	28-Feb-11	NS		NS		0.511	U	NS		NS		NS		NS		NS		NS		NS		NS		U
	27-Apr-11	NS		0.051	U	NS		NS		0.051	U	NS		0.051	U	0.051	U	0.051	U	NS		0.051		U
	26-Jul-11	0.17	U	NS		0.17	U	0.051	U	NS		0.256	U	NS		NS		0.051	U	0.256	U	NS		U
	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		0.13	U	NS		NS		0.13	U	NS		0.13	U	0.13	U	0.13	U	NS		0.13		U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		0.64	U	NS		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		U
	1-Nov-12	NS		0.026	U	NS		NS		0.026	U	NS		0.026	U	0.026	U	0.026	U	NS		0.026		U
	1-Feb-13	0.065	U	NS		0.026	U	NS		NS		0.026	U	NS		NS		0.026	U	0.026	U	NS		U
	29-Apr-13	NS		0.41		NS		NS		0.045		NS		0.026	U	0.026	U	0.026	U	NS		0.026		U
	9-Jul-13	0.038	U	NS		0.026	U	0.085		NS		0.026	U	NS		NS		0.026	U	0.026	U	NS		U
	18-Oct-13	NS		0.051	U	NS		NS		0.074		NS		0.051	U	0.063		0.051	U	NS		0.051		U
	9-Jan-14	0.092		NS		0.051	U	0.051	U	NS		0.051	U	NS		NS		0.051	U	0.051	U	NS		U
	24-Apr-14	NS		0.026	U	NS		NS		0.026	U	NS		0.026	U	0.10		0.026	U	0.026	U	0.026		U
	1-Aug-14	0.21		NS		0.38	U	0.077	U	NS		NS		NS		NS		0.051	U	0.051	U	NS		U
	27-Aug-14	NS		NS		NS		NS		NS		0.026	U	NS		NS		NS		NS		NS		U
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		0.038	U	NS		NS		NS		U
	22-Oct-14	NS		0.038	U	NS		NS		0.038	U	0.038	U	0.24		0.038	U	0.038	U	0.051	U	NS		U
	20-Jan-15	0.093 ^v		NS		0.14 ^v		NS	U	NS		0.072 ^v		NS		NS		0.038 ^v	U	0.026	U	NS		U
	30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		0.029	U	NS		U
	22-Apr-15	NS		0.069 ^v		NS		NS		NS		NS		0.026	U	0.037	U	0.026	U	NS		0.029		U
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		0.97		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		NS		NS		2.13		1.94		NS		
	30-Sep-08	NS		NS		NS		4.3	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		NS		NS		8.5		8.9		NS		
	18-Dec-08	NS		NS		4.3	U	NS		NS		4.3	U	NS		NS		NS		4.3	U	4.3		U
	21-Jan-09	NS		NS		NS		4.3	U	NS		NS		NS		NS		4.3	U	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		3.28		NS		4.58		4.34		6.22		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		3.1								

**Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - April 2015**

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
		m-Xylene	8-Feb-08	0.2		NS		NS		NS		0.23		NS		NS		NS		0.48		7.73	
	27-Mar-08	NS		0.273		NS		NS		NS		0.142		NS		NS		NS		0.844		NS	
	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		2.2	U	NS		NS		NS		2.2	U	NS		4	U
	25-Nov-08	NS		2.2	U	NS		NS		NS		2.2	U	NS		NS		3.1	N	2.2	U	NS	
	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	8.9		NS		NS		NS		2.2	U	NS		NS		NS		2.2		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		0.586		NS		0.343		18.1	U	0.629		NS		0.616	
	15-Jan-10	4.51		NS		0.49		NS		0.56		NS		NS		NS		0.833		0.846		NS	
	21-Apr-10	NS		0.256		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		1.54		NS		1.11		NS		1.15		4.32		5.16		NS	
	28-Feb-11	NS		NS		0.868	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.286		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		0.434	U	NS		NS		0.365		0.434		NS	
	28-Oct-11	NS		2.2	U	NS		NS		2.2	U	NS		2.2	U	2.2	U	3.3		NS		2.2	U
	23-Jan-12	2.3		NS		0.76		0.54		NS		0.79		NS		NS		1.7		4.6		NS	
	13-Apr-12	NS		0.43	U	NS		NS		0.43	U	NS		0.43	U	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	0.43	U	NS		0.43	U	NS		NS		0.59		0.44		NS	
	1-Nov-12	NS		0.72		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		0.64		0.52		NS	
	29-Apr-13	NS		0.43		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		0.84		NS		NS		1.3		0.28		NS	
	18-Oct-13	NS		1.7		NS		NS		1.9		NS		2.1		2.9		1.4		NS		1.7	
	9-Jan-14	3.4		NS		3.0		4.00		NS		4.1		NS		NS		9.8		9.6		NS	
	24-Apr-14	NS		0.087	U	NS		NS		0.087	U	NS		0.087	U	0.087	U	0.11		0.087	U	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	
	27-Aug-14	NS		NS		NS		NS		NS		1.3		NS		NS		NS		NS		NS	
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		0.52		NS		NS	U	NS	
	22-Oct-14	NS		0.13	U	NS		NS		0.13	U	0.13		0.2		0.13	U	0.28		0.35		NS	
	20-Jan-15	0.29		NS		0.087	U	0.10		NS		0.087	U	NS		NS		0.23		0.34		NS	
	30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		0.36		NS	
	22-Apr-15	NS		0.26		NS		NS		0.13		NS		0.25		0.22/0.25		0.38		NS		0.54	

Notes:
 All data presented in micrograms per cubic meter (ug/m3).
 Two values displayed with a slash indicates dilutions resulting in two different concentrations. Where two reporting limits were given for multiple dilutions, the lower RL was documented in this table.
 U: designation indicates that the compound was not detected by the laboratory. Reporting limit shown in the data column.
 NS: not sampled.
 * = 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: 22 October 2014

Volatile Organic Compounds	ROOFTOP FAN 1				ROOFTOP FAN 2				ROOFTOP FAN 3				CUMULATIVE EMISSIONS (3 fans combined)		
	Measured Flow Speed (fpm): 2440		Measured Flow Rate (cfm): 119.8		Measured Flow Speed (fpm): 2218		Measured Flow Rate (cfm): 108.9		Measured Flow Speed (fpm): 1308		Measured Flow Rate (cfm): 64.2		Hourly Emission (lbs/hour)	Daily Emission (lbs/day)	Yearly Emission (lbs/year)
	Concentration (ug/m ³)	Hourly Emission (lbs/hour)	Daily Emission (lbs/day)	Yearly Emission (lbs/year)	Concentration (ug/m ³)	Hourly Emission (lbs/hour)	Daily Emission (lbs/day)	Yearly Emission (lbs/year)	Concentration (ug/m ³)	Hourly Emission (lbs/hour)	Daily Emission (lbs/day)	Yearly Emission (lbs/year)			
Acetone	17.0	7.61E-06	1.83E-04	6.67E-02	20.0	8.14E-06	1.95E-04	7.13E-02	15.0	3.60E-06	8.64E-05	3.15E-02	1.94E-05	4.64E-04	1.70E-01
Acrylonitrile	0.37 U	1.66E-07	3.98E-06	1.45E-03	0.37 U	1.51E-07	3.61E-06	1.32E-03	0.37 U	8.88E-08	2.13E-06	7.78E-04	4.05E-07	9.72E-06	3.55E-03
Benzene	0.37	1.66E-07	3.98E-06	1.45E-03	0.43	1.75E-07	4.20E-06	1.53E-03	0.47	1.13E-07	2.71E-06	9.88E-04	4.53E-07	1.09E-05	3.97E-03
Bromodichloromethane	0.10 U	4.48E-08	1.07E-06	3.92E-04	0.10 U	4.07E-08	9.77E-07	3.57E-04	0.10 U	2.40E-08	5.76E-07	2.10E-04	1.09E-07	2.63E-06	9.59E-04
Bromoform	0.31 U	1.39E-07	3.33E-06	1.22E-03	0.31 U	1.26E-07	3.03E-06	1.11E-03	0.31 U	7.44E-08	1.79E-06	6.52E-04	3.39E-07	8.15E-06	2.97E-03
2-Butanone	3.50 U	1.57E-06	3.76E-05	1.37E-02	3.60	1.47E-06	3.52E-05	1.28E-02	3.50 U	8.40E-07	2.02E-05	7.36E-03	3.87E-06	9.29E-05	3.39E-02
n-Butylbenzene	0.47 U	2.10E-07	5.05E-06	1.84E-03	0.47 U	1.91E-07	4.59E-06	1.68E-03	0.47 U	1.13E-07	2.71E-06	9.88E-04	5.15E-07	1.23E-05	4.51E-03
sec-Butylbenzene	0.38 U	1.70E-07	4.08E-06	1.49E-03	0.38 U	1.55E-07	3.71E-06	1.35E-03	0.38 U	9.12E-08	2.19E-06	7.99E-04	4.16E-07	9.98E-06	3.64E-03
Carbon Tetrachloride	0.41	1.84E-07	4.41E-06	1.61E-03	0.43	1.75E-07	4.20E-06	1.53E-03	0.45	1.08E-07	2.59E-06	9.46E-04	4.67E-07	1.12E-05	4.09E-03
Chlorobenzene	0.14 U	6.27E-08	1.50E-06	5.49E-04	0.14 U	5.70E-08	1.37E-06	4.99E-04	0.14 U	3.36E-08	8.06E-07	2.94E-04	1.53E-07	3.68E-06	1.34E-03
Chloroethane	0.079 U	3.54E-08	8.49E-07	3.10E-04	0.10	4.07E-08	9.77E-07	3.57E-04	0.079 U	1.90E-08	4.55E-07	1.66E-04	9.50E-08	2.28E-06	8.32E-04
Chloroform	0.26	1.16E-07	2.79E-06	1.02E-03	0.30	1.22E-07	2.93E-06	1.07E-03	0.43	1.03E-07	2.48E-06	9.04E-04	3.42E-07	8.20E-06	2.99E-03
Chloromethane	0.12 U	5.37E-08	1.29E-06	4.71E-04	0.12 U	4.88E-08	1.17E-06	4.28E-04	0.12 U	2.88E-08	6.91E-07	2.52E-04	1.31E-07	3.15E-06	1.15E-03
Dibromochloromethane	0.13 U	5.82E-08	1.40E-06	5.10E-04	0.13 U	5.29E-08	1.27E-06	4.63E-04	0.13 U	3.12E-08	7.49E-07	2.73E-04	1.42E-07	3.42E-06	1.25E-03
1,2-Dibromoethane	0.12 U	5.37E-08	1.29E-06	4.71E-04	0.12 U	4.88E-08	1.17E-06	4.28E-04	0.12 U	2.88E-08	6.91E-07	2.52E-04	1.31E-07	3.15E-06	1.15E-03
1,2-Dichlorobenzene	0.18 U	8.06E-08	1.93E-06	7.06E-04	0.18 U	7.33E-08	1.76E-06	6.42E-04	0.18 U	4.32E-08	1.04E-06	3.78E-04	1.97E-07	4.73E-06	1.73E-03
1,3-Dichlorobenzene	0.18 U	8.06E-08	1.93E-06	7.06E-04	0.18 U	7.33E-08	1.76E-06	6.42E-04	0.18 U	4.32E-08	1.04E-06	3.78E-04	1.97E-07	4.73E-06	1.73E-03
1,4-Dichlorobenzene	0.18 U	8.06E-08	1.93E-06	7.06E-04	0.18 U	7.33E-08	1.76E-06	6.42E-04	0.18 U	4.32E-08	1.04E-06	3.78E-04	1.97E-07	4.73E-06	1.73E-03
Dichlorodifluoromethane	1.40	6.27E-07	1.50E-05	5.49E-03	1.40	5.70E-07	1.37E-05	4.99E-03	1.30	3.12E-07	7.49E-06	2.73E-03	1.51E-06	3.62E-05	1.32E-02
1,1-Dichloroethane	0.061 U	2.73E-08	6.55E-07	2.39E-04	0.061 U	2.48E-08	5.96E-07	2.17E-04	0.061 U	1.46E-08	3.51E-07	1.28E-04	6.68E-08	1.60E-06	5.85E-04
1,2-Dichloroethane	0.061 U	2.73E-08	6.55E-07	2.39E-04	0.061 U	2.48E-08	5.96E-07	2.17E-04	0.061 U	1.46E-08	3.51E-07	1.28E-04	6.68E-08	1.60E-06	5.85E-04
1,1-Dichloroethene	0.059 U	2.64E-08	6.34E-07	2.31E-04	0.059 U	2.40E-08	5.76E-07	2.10E-04	0.059 U	1.42E-08	3.40E-07	1.24E-04	6.46E-08	1.55E-06	5.66E-04
cis-1,2-Dichloroethene	0.059 U	2.64E-08	6.34E-07	2.31E-04	0.059 U	2.40E-08	5.76E-07	2.10E-04	0.25	6.00E-08	1.44E-06	5.26E-04	1.10E-07	2.65E-06	9.67E-04
trans-1,2-Dichloroethene	0.059 U	2.64E-08	6.34E-07	2.31E-04	0.059 U	2.40E-08	5.76E-07	2.10E-04	0.059 U	1.42E-08	3.40E-07	1.24E-04	6.46E-08	1.55E-06	5.66E-04
1,2-Dichloropropane	0.069 U	3.09E-08	7.41E-07	2.71E-04	0.069 U	2.81E-08	6.74E-07	2.46E-04	0.069 U	1.66E-08	3.97E-07	1.45E-04	7.55E-08	1.81E-06	6.62E-04
cis-1,3-Dichloropropene	0.068 U	3.04E-08	7.31E-07	2.67E-04	0.068 U	2.77E-08	6.64E-07	2.42E-04	0.37 U	8.88E-08	2.13E-06	7.78E-04	1.47E-07	3.53E-06	1.29E-03
trans-1,3-Dichloropropene	0.068 U	3.04E-08	7.31E-07	2.67E-04	0.068 U	2.77E-08	6.64E-07	2.42E-04	0.068 U	1.63E-08	3.92E-07	1.43E-04	7.44E-08	1.79E-06	6.52E-04
Ethylbenzene	0.17	7.61E-08	1.83E-06	6.67E-04	0.18	7.33E-08	1.76E-06	6.42E-04	0.068 U	1.63E-08	3.92E-07	1.43E-04	1.66E-07	3.98E-06	1.45E-03
Isopropylbenzene	0.37 U	1.66E-07	3.98E-06	1.45E-03	0.37 U	1.51E-07	3.61E-06	1.32E-03	0.13 U	3.12E-08	7.49E-07	2.73E-04	3.47E-07	8.34E-06	3.04E-03
p-Isopropyltoluene	0.38 U	1.70E-07	4.08E-06	1.49E-03	0.38 U	1.55E-07	3.71E-06	1.35E-03	0.37 U	8.88E-08	2.13E-06	7.78E-04	4.14E-07	9.93E-06	3.62E-03
Methyl tert butyl ether	0.11 U	4.93E-08	1.18E-06	4.31E-04	0.11 U	4.48E-08	1.07E-06	3.92E-04	0.38 U	9.12E-08	2.19E-06	7.99E-04	1.85E-07	4.45E-06	1.62E-03
Methylene chloride	1.50	6.72E-07	1.61E-05	5.88E-03	1.40	5.70E-07	1.37E-05	4.99E-03	0.11 U	2.64E-08	6.34E-07	2.31E-04	1.27E-06	3.04E-05	1.11E-02
4-Methyl-2-pentanone	0.230	1.03E-07	2.47E-06	9.02E-04	0.31	1.26E-07	3.03E-06	1.11E-03	1.00	2.40E-07	5.76E-06	2.10E-03	4.69E-07	1.13E-05	4.11E-03
Styrene	0.20	8.95E-08	2.15E-06	7.84E-04	0.20	8.14E-08	1.95E-06	7.13E-04	0.13 U	3.12E-08	7.49E-07	2.73E-04	2.02E-07	4.85E-06	1.77E-03
1,1,1,2-Tetrachloroethane	0.37 U	1.66E-07	3.98E-06	1.45E-03	0.37 U	1.51E-07	3.61E-06	1.32E-03	0.37 U	8.88E-08	2.13E-06	7.78E-04	4.05E-07	9.72E-06	3.55E-03
1,1,2,2-Tetrachloroethane	0.10 U	4.48E-08	1.07E-06	3.92E-04	0.1 U	4.07E-08	9.77E-07	3.57E-04	0.1 U	2.40E-08	5.76E-07	2.10E-04	1.09E-07	2.63E-06	9.59E-04
Tetrachloroethene	21	9.40E-06	2.26E-04	8.24E-02	7.5	3.05E-06	7.33E-05	2.67E-02	92	2.21E-05	5.30E-04	1.93E-01	3.45E-05	8.29E-04	3.03E-01
Toluene	1.00	4.48E-07	1.07E-05	3.92E-03	1.00	4.07E-07	9.77E-06	3.57E-03	0.44	1.06E-07	2.53E-06	9.25E-04	9.60E-07	2.30E-05	8.41E-03
1,1,1-Trichloroethane	1.80	8.06E-07	1.93E-05	7.06E-03	1.00	4.07E-07	9.77E-06	3.57E-03	0.90	2.16E-07	5.18E-06	1.89E-03	1.43E-06	3.43E-05	1.25E-02
1,1,2-Trichloroethane	0.082 U	3.67E-08	8.81E-07	3.22E-04	0.082 U	3.34E-08	8.01E-07	2.92E-04	0.082 U	1.97E-08	4.72E-07	1.72E-04	8.98E-08	2.15E-06	7.86E-04
Trichloroethylene	66	2.96E-05	7.09E-04	2.59E-01	69	2.81E-05	6.74E-04	2.46E-01	44	1.06E-05	2.53E-04	9.25E-02	6.82E-05	1.64E-03	5.97E-01
Trichlorofluoromethane	59	2.64E-05	6.34E-04	2.31E-01	94	3.83E-05	9.18E-04	3.35E-01	19	4.56E-06	1.09E-04	3.99E-02	6.92E-05	1.66E-03	6.07E-01
1,2,4-Trimethylbenzene	0.58	2.60E-07	6.23E-06	2.27E-03	0.45	1.83E-07	4.40E-06	1.60E-03	0.51	1.22E-07	2.94E-06	1.07E-03	5.65E-07	1.36E-05	4.95E-03
1,3,5-Trimethylbenzene	0.15 U	6.72E-08	1.61E-06	5.88E-04	0.15 U	6.11E-08	1.47E-06	5.35E-04	0.15 U	3.60E-08	8.64E-07	3.15E-04	1.64E-07	3.94E-06	1.44E-03
Vinyl chloride	0.038 U	1.70E-08	4.08E-07	1.49E-04	0.038 U	1.55E-08	3.71E-07	1.35E-04	0.038 U	9.12E-09	2.19E-07	7.99E-05	4.16E-08	9.98E-07	3.64E-04
p/m-Xylene	0.61	2.73E-07	6.55E-06	2.39E-03	0.58	2.36E-07	5.67E-06	2.07E-03	0.40	9.60E-08	2.30E-06	8.41E-04	6.05E-07	1.45E-05	5.30E-03
o-Xylene	0.21	9.40E-08	2.26E-06	8.24E-04	0.20	8.14E-08	1.95E-06	7.13E-04	0.15	3.60E-08	8.64E-07	3.15E-04	2.11E-07	5.07E-06	1.85E-03
Total VOCs	1.80E+02	8.06E-05	1.94E-03	7.06E-01	2.07E+02	8.42E-05	2.02E-03	7.38E-01	1.85E+02	4.45E-05	1.07E-03	7.52E-01	2.09E-04	5.02E-03	1.59E+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

Laboratory Analytical Reports

February 10, 2015

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

Project Location: Alvarez
Client Job Number:
Project Number: 1506602
Laboratory Work Order Number: 15A0624

Enclosed are results of analyses for samples received by the laboratory on January 21, 2015. 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: Catherine Swanson

REPORT DATE: 2/10/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 1506602

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15A0624

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	15A0624-01	Indoor air		EPA TO-15	
Cafeteria	15A0624-02	Indoor air		EPA TO-15	
Kitchen Storage	15A0624-03	Indoor air		EPA TO-15	
Elevator Hallway	15A0624-04	Indoor air		EPA TO-15	
Room 145	15A0624-05	Indoor air		EPA TO-15	
Room 152	15A0624-06	Indoor air		EPA TO-15	
Room 118	15A0624-07	Indoor air		EPA TO-15	
Room 110	15A0624-08	Indoor air		EPA TO-15	
MP-1	15A0624-09	Air		EPA TO-15	
MP-3	15A0624-10	Air		EPA TO-15	
MP-4	15A0624-11	Air		EPA TO-15	
MP-6	15A0624-12	Air		EPA TO-15	
IMP-1	15A0624-13	Air		EPA TO-15	
IMP-2	15A0624-14	Air		EPA TO-15	
Ambient Air	15A0624-15	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:**L-01**

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

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

B114989-BS1

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:**Chloroethane**

15A0624-01[Gymnasium], 15A0624-02[Cafeteria], 15A0624-03[Kitchen Storage], 15A0624-04[Elevator Hallway], 15A0624-05[Room 145], 15A0624-06[Room 152], 15A0624-07[Room 118], 15A0624-08[Room 110], 15A0624-09[MP-1], 15A0624-10[MP-3], 15A0624-11[MP-4], 15A0624-12[MP-6], 15A0624-13[IMP-1], 15A0624-14[IMP-2], 15A0624-15[Ambient Air], B114989-BLK1, B114989-BS1

Chloromethane

15A0624-01[Gymnasium], 15A0624-02[Cafeteria], 15A0624-03[Kitchen Storage], 15A0624-04[Elevator Hallway], 15A0624-05[Room 145], 15A0624-06[Room 152], 15A0624-07[Room 118], 15A0624-08[Room 110], 15A0624-09[MP-1], 15A0624-10[MP-3], 15A0624-11[MP-4], 15A0624-12[MP-6], 15A0624-13[IMP-1], 15A0624-14[IMP-2], 15A0624-15[Ambient Air], B114989-BLK1, B114989-BS1

Vinyl Chloride

15A0624-01[Gymnasium], 15A0624-02[Cafeteria], 15A0624-03[Kitchen Storage], 15A0624-04[Elevator Hallway], 15A0624-05[Room 145], 15A0624-06[Room 152], 15A0624-07[Room 118], 15A0624-08[Room 110], 15A0624-09[MP-1], 15A0624-10[MP-3], 15A0624-11[MP-4], 15A0624-12[MP-6], 15A0624-13[IMP-1], 15A0624-14[IMP-2], 15A0624-15[Ambient Air], B114989-BLK1, B114989-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:**Chloroethane**

15A0624-01[Gymnasium], 15A0624-02[Cafeteria], 15A0624-03[Kitchen Storage], 15A0624-04[Elevator Hallway], 15A0624-05[Room 145], 15A0624-06[Room 152], 15A0624-07[Room 118], 15A0624-08[Room 110], 15A0624-09[MP-1], 15A0624-10[MP-3], 15A0624-11[MP-4], 15A0624-12[MP-6], 15A0624-13[IMP-1], 15A0624-14[IMP-2], 15A0624-15[Ambient Air], B114989-BLK1, B114989-BS1

Chloromethane

15A0624-01[Gymnasium], 15A0624-02[Cafeteria], 15A0624-03[Kitchen Storage], 15A0624-04[Elevator Hallway], 15A0624-05[Room 145], 15A0624-06[Room 152], 15A0624-07[Room 118], 15A0624-08[Room 110], 15A0624-09[MP-1], 15A0624-10[MP-3], 15A0624-11[MP-4], 15A0624-12[MP-6], 15A0624-13[IMP-1], 15A0624-14[IMP-2], 15A0624-15[Ambient Air], B114989-BLK1, B114989-BS1

Vinyl Chloride

15A0624-01[Gymnasium], 15A0624-02[Cafeteria], 15A0624-03[Kitchen Storage], 15A0624-04[Elevator Hallway], 15A0624-05[Room 145], 15A0624-06[Room 152], 15A0624-07[Room 118], 15A0624-08[Room 110], 15A0624-09[MP-1], 15A0624-10[MP-3], 15A0624-11[MP-4], 15A0624-12[MP-6], 15A0624-13[IMP-1], 15A0624-14[IMP-2], 15A0624-15[Ambient Air], B114989-BLK1, B114989-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**

15A0624-05[Room 145], B114989-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: 1/21/2015
Field Sample #: Gymnasium
Sample ID: 15A0624-01
 Sample Matrix: Indoor air
 Sampled: 1/20/2015 08:37

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1230
 Canister Size: 6 liter
 Flow Controller ID: 4177
 Sample Type: 30 min

Work Order: 15A0624
 Initial Vacuum(in Hg): -28.5
 Final Vacuum(in Hg): -4.5
 Receipt Vacuum(in Hg): -5.7
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analized		
Acetone	13	0.80		30	1.9	0.4	2/7/15 0:30	WSD	
Acrylonitrile	ND	0.12		ND	0.25	0.4	2/7/15 0:30	WSD	
Benzene	0.14	0.020		0.44	0.064	0.4	2/7/15 0:30	WSD	
Bromodichloromethane	ND	0.010		ND	0.067	0.4	2/7/15 0:30	WSD	
Bromoform	ND	0.020		ND	0.21	0.4	2/7/15 0:30	WSD	
2-Butanone (MEK)	0.92	0.80		2.7	2.4	0.4	2/7/15 0:30	WSD	
n-Butylbenzene	ND	0.058		ND	0.32	0.4	2/7/15 0:30	WSD	
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	2/7/15 0:30	WSD	
Carbon Tetrachloride	0.052	0.010		0.33	0.063	0.4	2/7/15 0:30	WSD	
Chlorobenzene	ND	0.020		ND	0.092	0.4	2/7/15 0:30	WSD	
Chloroethane	ND	0.020	L-03, V-05	ND	0.053	0.4	2/7/15 0:30	WSD	
Chloroform	ND	0.010		ND	0.049	0.4	2/7/15 0:30	WSD	
Chloromethane	0.35	0.040	L-03, V-05	0.72	0.083	0.4	2/7/15 0:30	WSD	
Dibromochloromethane	ND	0.010		ND	0.085	0.4	2/7/15 0:30	WSD	
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	2/7/15 0:30	WSD	
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/7/15 0:30	WSD	
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/7/15 0:30	WSD	
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/7/15 0:30	WSD	
Dichlorodifluoromethane (Freon 12)	0.26	0.020		1.3	0.099	0.4	2/7/15 0:30	WSD	
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	2/7/15 0:30	WSD	
1,2-Dichloroethane	ND	0.010		ND	0.040	0.4	2/7/15 0:30	WSD	
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/7/15 0:30	WSD	
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/7/15 0:30	WSD	
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/7/15 0:30	WSD	
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	2/7/15 0:30	WSD	
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	2/7/15 0:30	WSD	
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	2/7/15 0:30	WSD	
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	2/7/15 0:30	WSD	
Ethylbenzene	0.026	0.020		0.11	0.087	0.4	2/7/15 0:30	WSD	
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	2/7/15 0:30	WSD	
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	2/7/15 0:30	WSD	
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	2/7/15 0:30	WSD	
Methylene Chloride	0.84	0.20		2.9	0.69	0.4	2/7/15 0:30	WSD	
4-Methyl-2-pentanone (MIBK)	0.15	0.020		0.61	0.082	0.4	2/7/15 0:30	WSD	
Styrene	ND	0.020		ND	0.085	0.4	2/7/15 0:30	WSD	
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	2/7/15 0:30	WSD	
1,1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	2/7/15 0:30	WSD	

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 1/21/2015
Field Sample #: Gymnasium
Sample ID: 15A0624-01
 Sample Matrix: Indoor air
 Sampled: 1/20/2015 08:37

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1230
 Canister Size: 6 liter
 Flow Controller ID: 4177
 Sample Type: 30 min

Work Order: 15A0624
 Initial Vacuum(in Hg): -28.5
 Final Vacuum(in Hg): -4.5
 Receipt Vacuum(in Hg): -5.7
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analized		
Tetrachloroethylene	0.022	0.010		0.15	0.068	0.4	2/7/15	0:30	WSD
Toluene	0.21	0.020		0.78	0.075	0.4	2/7/15	0:30	WSD
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	2/7/15	0:30	WSD
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	2/7/15	0:30	WSD
Trichloroethylene	ND	0.010		ND	0.054	0.4	2/7/15	0:30	WSD
Trichlorofluoromethane (Freon 11)	0.22	0.020		1.2	0.11	0.4	2/7/15	0:30	WSD
1,2,4-Trimethylbenzene	ND	0.020		ND	0.098	0.4	2/7/15	0:30	WSD
1,3,5-Trimethylbenzene	ND	0.020		ND	0.098	0.4	2/7/15	0:30	WSD
Vinyl Chloride	ND	0.010	L-03, V-05	ND	0.026	0.4	2/7/15	0:30	WSD
m&p-Xylene	0.084	0.040		0.36	0.17	0.4	2/7/15	0:30	WSD
o-Xylene	0.031	0.020		0.14	0.087	0.4	2/7/15	0:30	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	94.0	70-130	2/7/15 0:30
4-Bromofluorobenzene (2)	81.1	70-130	2/7/15 0:30

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 1/21/2015
Field Sample #: Cafeteria
Sample ID: 15A0624-02
 Sample Matrix: Indoor air
 Sampled: 1/20/2015 11:58

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1825
 Canister Size: 6 liter
 Flow Controller ID: 4176
 Sample Type: 30 min

Work Order: 15A0624
 Initial Vacuum(in Hg): -30.5
 Final Vacuum(in Hg): -22
 Receipt Vacuum(in Hg): -0.2
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analized		
Acetone	13	0.80		30	1.9	0.4	2/7/15	1:19	WSD
Acrylonitrile	ND	0.12		ND	0.25	0.4	2/7/15	1:19	WSD
Benzene	0.14	0.020		0.44	0.064	0.4	2/7/15	1:19	WSD
Bromodichloromethane	ND	0.010		ND	0.067	0.4	2/7/15	1:19	WSD
Bromoform	ND	0.020		ND	0.21	0.4	2/7/15	1:19	WSD
2-Butanone (MEK)	ND	0.80		ND	2.4	0.4	2/7/15	1:19	WSD
n-Butylbenzene	ND	0.058		ND	0.32	0.4	2/7/15	1:19	WSD
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	2/7/15	1:19	WSD
Carbon Tetrachloride	0.076	0.010		0.48	0.063	0.4	2/7/15	1:19	WSD
Chlorobenzene	ND	0.020		ND	0.092	0.4	2/7/15	1:19	WSD
Chloroethane	ND	0.020	L-03, V-05	ND	0.053	0.4	2/7/15	1:19	WSD
Chloroform	0.024	0.010		0.12	0.049	0.4	2/7/15	1:19	WSD
Chloromethane	0.47	0.040	L-03, V-05	0.97	0.083	0.4	2/7/15	1:19	WSD
Dibromochloromethane	ND	0.010		ND	0.085	0.4	2/7/15	1:19	WSD
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	2/7/15	1:19	WSD
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/7/15	1:19	WSD
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/7/15	1:19	WSD
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/7/15	1:19	WSD
Dichlorodifluoromethane (Freon 12)	0.30	0.020		1.5	0.099	0.4	2/7/15	1:19	WSD
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	2/7/15	1:19	WSD
1,2-Dichloroethane	ND	0.010		ND	0.040	0.4	2/7/15	1:19	WSD
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/7/15	1:19	WSD
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/7/15	1:19	WSD
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/7/15	1:19	WSD
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	2/7/15	1:19	WSD
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	2/7/15	1:19	WSD
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	2/7/15	1:19	WSD
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	2/7/15	1:19	WSD
Ethylbenzene	0.029	0.020		0.13	0.087	0.4	2/7/15	1:19	WSD
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	2/7/15	1:19	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	2/7/15	1:19	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	2/7/15	1:19	WSD
Methylene Chloride	7.7	0.20		27	0.69	0.4	2/7/15	1:19	WSD
4-Methyl-2-pentanone (MIBK)	0.14	0.020		0.57	0.082	0.4	2/7/15	1:19	WSD
Styrene	ND	0.020		ND	0.085	0.4	2/7/15	1:19	WSD
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	2/7/15	1:19	WSD
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	2/7/15	1:19	WSD

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 1/21/2015
Field Sample #: Cafeteria
Sample ID: 15A0624-02
 Sample Matrix: Indoor air
 Sampled: 1/20/2015 11:58

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1825
 Canister Size: 6 liter
 Flow Controller ID: 4176
 Sample Type: 30 min

Work Order: 15A0624
 Initial Vacuum(in Hg): -30.5
 Final Vacuum(in Hg): -22
 Receipt Vacuum(in Hg): -0.2
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	0.024	0.010		0.16	0.068	0.4	2/7/15	1:19	WSD
Toluene	0.23	0.020		0.88	0.075	0.4	2/7/15	1:19	WSD
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	2/7/15	1:19	WSD
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	2/7/15	1:19	WSD
Trichloroethylene	ND	0.010		ND	0.054	0.4	2/7/15	1:19	WSD
Trichlorofluoromethane (Freon 11)	0.23	0.020		1.3	0.11	0.4	2/7/15	1:19	WSD
1,2,4-Trimethylbenzene	0.11	0.020		0.56	0.098	0.4	2/7/15	1:19	WSD
1,3,5-Trimethylbenzene	0.023	0.020		0.11	0.098	0.4	2/7/15	1:19	WSD
Vinyl Chloride	ND	0.010	L-03, V-05	ND	0.026	0.4	2/7/15	1:19	WSD
m&p-Xylene	0.10	0.040		0.44	0.17	0.4	2/7/15	1:19	WSD
o-Xylene	0.041	0.020		0.18	0.087	0.4	2/7/15	1:19	WSD

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	93.4	70-130	2/7/15	1:19
4-Bromofluorobenzene (2)	81.9	70-130	2/7/15	1:19

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 1/21/2015
Field Sample #: Kitchen Storage
Sample ID: 15A0624-03
 Sample Matrix: Indoor air
 Sampled: 1/20/2015 09:03

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2142
 Canister Size: 6 liter
 Flow Controller ID: 4182
 Sample Type: 30 min

Work Order: 15A0624
 Initial Vacuum(in Hg): -27.5
 Final Vacuum(in Hg): -4.5
 Receipt Vacuum(in Hg): -5
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analized		
Acetone	16	0.80		37	1.9	0.4	2/7/15	2:13	WSD
Acrylonitrile	ND	0.12		ND	0.25	0.4	2/7/15	2:13	WSD
Benzene	0.14	0.020		0.45	0.064	0.4	2/7/15	2:13	WSD
Bromodichloromethane	ND	0.010		ND	0.067	0.4	2/7/15	2:13	WSD
Bromoform	ND	0.020		ND	0.21	0.4	2/7/15	2:13	WSD
2-Butanone (MEK)	1.9	0.80		5.5	2.4	0.4	2/7/15	2:13	WSD
n-Butylbenzene	ND	0.058		ND	0.32	0.4	2/7/15	2:13	WSD
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	2/7/15	2:13	WSD
Carbon Tetrachloride	0.076	0.010		0.48	0.063	0.4	2/7/15	2:13	WSD
Chlorobenzene	ND	0.020		ND	0.092	0.4	2/7/15	2:13	WSD
Chloroethane	ND	0.020	L-03, V-05	ND	0.053	0.4	2/7/15	2:13	WSD
Chloroform	0.024	0.010		0.12	0.049	0.4	2/7/15	2:13	WSD
Chloromethane	0.40	0.040	L-03, V-05	0.82	0.083	0.4	2/7/15	2:13	WSD
Dibromochloromethane	ND	0.010		ND	0.085	0.4	2/7/15	2:13	WSD
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	2/7/15	2:13	WSD
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/7/15	2:13	WSD
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/7/15	2:13	WSD
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/7/15	2:13	WSD
Dichlorodifluoromethane (Freon 12)	0.28	0.020		1.4	0.099	0.4	2/7/15	2:13	WSD
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	2/7/15	2:13	WSD
1,2-Dichloroethane	ND	0.010		ND	0.040	0.4	2/7/15	2:13	WSD
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/7/15	2:13	WSD
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/7/15	2:13	WSD
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/7/15	2:13	WSD
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	2/7/15	2:13	WSD
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	2/7/15	2:13	WSD
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	2/7/15	2:13	WSD
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	2/7/15	2:13	WSD
Ethylbenzene	0.029	0.020		0.13	0.087	0.4	2/7/15	2:13	WSD
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	2/7/15	2:13	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	2/7/15	2:13	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	2/7/15	2:13	WSD
Methylene Chloride	8.1	0.20		28	0.69	0.4	2/7/15	2:13	WSD
4-Methyl-2-pentanone (MIBK)	0.12	0.020		0.50	0.082	0.4	2/7/15	2:13	WSD
Styrene	0.028	0.020		0.12	0.085	0.4	2/7/15	2:13	WSD
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	2/7/15	2:13	WSD
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	2/7/15	2:13	WSD

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 1/21/2015
Field Sample #: Kitchen Storage
Sample ID: 15A0624-03
 Sample Matrix: Indoor air
 Sampled: 1/20/2015 09:03

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2142
 Canister Size: 6 liter
 Flow Controller ID: 4182
 Sample Type: 30 min

Work Order: 15A0624
 Initial Vacuum(in Hg): -27.5
 Final Vacuum(in Hg): -4.5
 Receipt Vacuum(in Hg): -5
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analized		
Tetrachloroethylene	ND	0.010		ND	0.068	0.4	2/7/15	2:13	WSD
Toluene	0.24	0.020		0.89	0.075	0.4	2/7/15	2:13	WSD
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	2/7/15	2:13	WSD
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	2/7/15	2:13	WSD
Trichloroethylene	ND	0.010		ND	0.054	0.4	2/7/15	2:13	WSD
Trichlorofluoromethane (Freon 11)	0.23	0.020		1.3	0.11	0.4	2/7/15	2:13	WSD
1,2,4-Trimethylbenzene	0.030	0.020		0.15	0.098	0.4	2/7/15	2:13	WSD
1,3,5-Trimethylbenzene	ND	0.020		ND	0.098	0.4	2/7/15	2:13	WSD
Vinyl Chloride	ND	0.010	L-03, V-05	ND	0.026	0.4	2/7/15	2:13	WSD
m&p-Xylene	0.089	0.040		0.39	0.17	0.4	2/7/15	2:13	WSD
o-Xylene	0.030	0.020		0.13	0.087	0.4	2/7/15	2:13	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	95.5	70-130	2/7/15 2:13
4-Bromofluorobenzene (2)	86.5	70-130	2/7/15 2:13

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 1/21/2015
Field Sample #: Elevator Hallway
Sample ID: 15A0624-04
 Sample Matrix: Indoor air
 Sampled: 1/20/2015 08:45

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2148
 Canister Size: 6 liter
 Flow Controller ID: 4105
 Sample Type: 30 min

Work Order: 15A0624
 Initial Vacuum(in Hg): -30.5
 Final Vacuum(in Hg): -7.5
 Receipt Vacuum(in Hg): -5.8
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analized		
Acetone	14	0.80		34	1.9	0.4	2/7/15	3:08	WSD
Acrylonitrile	ND	0.12		ND	0.25	0.4	2/7/15	3:08	WSD
Benzene	0.13	0.020		0.43	0.064	0.4	2/7/15	3:08	WSD
Bromodichloromethane	ND	0.010		ND	0.067	0.4	2/7/15	3:08	WSD
Bromoform	ND	0.020		ND	0.21	0.4	2/7/15	3:08	WSD
2-Butanone (MEK)	1.2	0.80		3.6	2.4	0.4	2/7/15	3:08	WSD
n-Butylbenzene	ND	0.058		ND	0.32	0.4	2/7/15	3:08	WSD
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	2/7/15	3:08	WSD
Carbon Tetrachloride	0.076	0.010		0.48	0.063	0.4	2/7/15	3:08	WSD
Chlorobenzene	ND	0.020		ND	0.092	0.4	2/7/15	3:08	WSD
Chloroethane	0.023	0.020	V-05, L-03	0.060	0.053	0.4	2/7/15	3:08	WSD
Chloroform	0.021	0.010		0.10	0.049	0.4	2/7/15	3:08	WSD
Chloromethane	0.39	0.040	V-05, L-03	0.81	0.083	0.4	2/7/15	3:08	WSD
Dibromochloromethane	ND	0.010		ND	0.085	0.4	2/7/15	3:08	WSD
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	2/7/15	3:08	WSD
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/7/15	3:08	WSD
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/7/15	3:08	WSD
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/7/15	3:08	WSD
Dichlorodifluoromethane (Freon 12)	0.29	0.020		1.4	0.099	0.4	2/7/15	3:08	WSD
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	2/7/15	3:08	WSD
1,2-Dichloroethane	ND	0.010		ND	0.040	0.4	2/7/15	3:08	WSD
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/7/15	3:08	WSD
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/7/15	3:08	WSD
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/7/15	3:08	WSD
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	2/7/15	3:08	WSD
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	2/7/15	3:08	WSD
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	2/7/15	3:08	WSD
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	2/7/15	3:08	WSD
Ethylbenzene	0.038	0.020		0.17	0.087	0.4	2/7/15	3:08	WSD
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	2/7/15	3:08	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	2/7/15	3:08	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	2/7/15	3:08	WSD
Methylene Chloride	8.2	0.20		29	0.69	0.4	2/7/15	3:08	WSD
4-Methyl-2-pentanone (MIBK)	0.20	0.020		0.80	0.082	0.4	2/7/15	3:08	WSD
Styrene	ND	0.020		ND	0.085	0.4	2/7/15	3:08	WSD
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	2/7/15	3:08	WSD
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	2/7/15	3:08	WSD

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 1/21/2015
Field Sample #: Elevator Hallway
Sample ID: 15A0624-04
 Sample Matrix: Indoor air
 Sampled: 1/20/2015 08:45

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2148
 Canister Size: 6 liter
 Flow Controller ID: 4105
 Sample Type: 30 min

Work Order: 15A0624
 Initial Vacuum(in Hg): -30.5
 Final Vacuum(in Hg): -7.5
 Receipt Vacuum(in Hg): -5.8
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	0.026	0.010		0.17	0.068	0.4	2/7/15	3:08	WSD
Toluene	0.28	0.020		1.1	0.075	0.4	2/7/15	3:08	WSD
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	2/7/15	3:08	WSD
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	2/7/15	3:08	WSD
Trichloroethylene	ND	0.010		ND	0.054	0.4	2/7/15	3:08	WSD
Trichlorofluoromethane (Freon 11)	0.23	0.020		1.3	0.11	0.4	2/7/15	3:08	WSD
1,2,4-Trimethylbenzene	0.032	0.020		0.16	0.098	0.4	2/7/15	3:08	WSD
1,3,5-Trimethylbenzene	ND	0.020		ND	0.098	0.4	2/7/15	3:08	WSD
Vinyl Chloride	ND	0.010	V-05, L-03	ND	0.026	0.4	2/7/15	3:08	WSD
m&p-Xylene	0.12	0.040		0.53	0.17	0.4	2/7/15	3:08	WSD
o-Xylene	0.046	0.020		0.20	0.087	0.4	2/7/15	3:08	WSD

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	95.8	70-130	2/7/15	3:08
4-Bromofluorobenzene (2)	88.3	70-130	2/7/15	3:08

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 1/21/2015
Field Sample #: Room 145
Sample ID: 15A0624-05
 Sample Matrix: Indoor air
 Sampled: 1/20/2015 09:48

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1039
 Canister Size: 6 liter
 Flow Controller ID: 4183
 Sample Type: 30 min

Work Order: 15A0624
 Initial Vacuum(in Hg): -25
 Final Vacuum(in Hg): -6.0
 Receipt Vacuum(in Hg): -10.9
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	24	1.2		57	2.9	0.6	2/7/15	3:56	WSD
Acrylonitrile	ND	0.17	V-06	ND	0.37	0.6	2/7/15	3:56	WSD
Benzene	0.18	0.030		0.58	0.096	0.6	2/7/15	3:56	WSD
Bromodichloromethane	ND	0.015		ND	0.10	0.6	2/7/15	3:56	WSD
Bromoform	ND	0.030		ND	0.31	0.6	2/7/15	3:56	WSD
2-Butanone (MEK)	1.3	1.2		3.9	3.5	0.6	2/7/15	3:56	WSD
n-Butylbenzene	ND	0.086		ND	0.47	0.6	2/7/15	3:56	WSD
sec-Butylbenzene	ND	0.068		ND	0.38	0.6	2/7/15	3:56	WSD
Carbon Tetrachloride	0.072	0.015		0.45	0.094	0.6	2/7/15	3:56	WSD
Chlorobenzene	ND	0.030		ND	0.14	0.6	2/7/15	3:56	WSD
Chloroethane	ND	0.030	V-05, L-03	ND	0.079	0.6	2/7/15	3:56	WSD
Chloroform	ND	0.015		ND	0.073	0.6	2/7/15	3:56	WSD
Chloromethane	0.51	0.060	V-05, L-03	1.0	0.12	0.6	2/7/15	3:56	WSD
Dibromochloromethane	ND	0.015		ND	0.13	0.6	2/7/15	3:56	WSD
1,2-Dibromoethane (EDB)	ND	0.015		ND	0.12	0.6	2/7/15	3:56	WSD
1,2-Dichlorobenzene	ND	0.030		ND	0.18	0.6	2/7/15	3:56	WSD
1,3-Dichlorobenzene	ND	0.030		ND	0.18	0.6	2/7/15	3:56	WSD
1,4-Dichlorobenzene	ND	0.030		ND	0.18	0.6	2/7/15	3:56	WSD
Dichlorodifluoromethane (Freon 12)	0.30	0.030		1.5	0.15	0.6	2/7/15	3:56	WSD
1,1-Dichloroethane	ND	0.015		ND	0.061	0.6	2/7/15	3:56	WSD
1,2-Dichloroethane	ND	0.015		ND	0.061	0.6	2/7/15	3:56	WSD
1,1-Dichloroethylene	ND	0.015		ND	0.059	0.6	2/7/15	3:56	WSD
cis-1,2-Dichloroethylene	ND	0.015		ND	0.059	0.6	2/7/15	3:56	WSD
trans-1,2-Dichloroethylene	ND	0.015		ND	0.059	0.6	2/7/15	3:56	WSD
1,2-Dichloropropane	ND	0.015		ND	0.069	0.6	2/7/15	3:56	WSD
1,3-Dichloropropane	ND	0.081		ND	0.37	0.6	2/7/15	3:56	WSD
cis-1,3-Dichloropropene	ND	0.015		ND	0.068	0.6	2/7/15	3:56	WSD
trans-1,3-Dichloropropene	ND	0.015		ND	0.068	0.6	2/7/15	3:56	WSD
Ethylbenzene	0.053	0.030		0.23	0.13	0.6	2/7/15	3:56	WSD
Isopropylbenzene (Cumene)	ND	0.076		ND	0.37	0.6	2/7/15	3:56	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.068		ND	0.38	0.6	2/7/15	3:56	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.030		ND	0.11	0.6	2/7/15	3:56	WSD
Methylene Chloride	11	0.30		37	1.0	0.6	2/7/15	3:56	WSD
4-Methyl-2-pentanone (MIBK)	0.13	0.030		0.55	0.12	0.6	2/7/15	3:56	WSD
Styrene	ND	0.030		ND	0.13	0.6	2/7/15	3:56	WSD
1,1,1,2-Tetrachloroethane	ND	0.055		ND	0.37	0.6	2/7/15	3:56	WSD
1,1,2,2-Tetrachloroethane	ND	0.015		ND	0.10	0.6	2/7/15	3:56	WSD

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 1/21/2015
Field Sample #: Room 145
Sample ID: 15A0624-05
 Sample Matrix: Indoor air
 Sampled: 1/20/2015 09:48

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1039
 Canister Size: 6 liter
 Flow Controller ID: 4183
 Sample Type: 30 min

Work Order: 15A0624
 Initial Vacuum(in Hg): -25
 Final Vacuum(in Hg): -6.0
 Receipt Vacuum(in Hg): -10.9
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	ND	0.015		ND	0.10	0.6	2/7/15	3:56	WSD
Toluene	0.93	0.030		3.5	0.11	0.6	2/7/15	3:56	WSD
1,1,1-Trichloroethane	ND	0.015		ND	0.082	0.6	2/7/15	3:56	WSD
1,1,2-Trichloroethane	ND	0.015		ND	0.082	0.6	2/7/15	3:56	WSD
Trichloroethylene	ND	0.015		ND	0.081	0.6	2/7/15	3:56	WSD
Trichlorofluoromethane (Freon 11)	0.25	0.030		1.4	0.17	0.6	2/7/15	3:56	WSD
1,2,4-Trimethylbenzene	0.034	0.030		0.17	0.15	0.6	2/7/15	3:56	WSD
1,3,5-Trimethylbenzene	ND	0.030		ND	0.15	0.6	2/7/15	3:56	WSD
Vinyl Chloride	ND	0.015	V-05, L-03	ND	0.038	0.6	2/7/15	3:56	WSD
m&p-Xylene	0.16	0.060		0.72	0.26	0.6	2/7/15	3:56	WSD
o-Xylene	0.061	0.030		0.26	0.13	0.6	2/7/15	3:56	WSD

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	94.0	70-130	2/7/15	3:56
4-Bromofluorobenzene (2)	89.0	70-130	2/7/15	3:56

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 1/21/2015
Field Sample #: Room 152
Sample ID: 15A0624-06
 Sample Matrix: Indoor air
 Sampled: 1/20/2015 10:01

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1815
 Canister Size: 6 liter
 Flow Controller ID: 4086
 Sample Type: 30 min

Work Order: 15A0624
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -0.5
 Receipt Vacuum(in Hg): -3.5
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	7.0	0.80		17	1.9	0.4	2/7/15	4:49	WSD
Acrylonitrile	ND	0.12		ND	0.25	0.4	2/7/15	4:49	WSD
Benzene	0.15	0.020		0.48	0.064	0.4	2/7/15	4:49	WSD
Bromodichloromethane	ND	0.010		ND	0.067	0.4	2/7/15	4:49	WSD
Bromoform	ND	0.020		ND	0.21	0.4	2/7/15	4:49	WSD
2-Butanone (MEK)	ND	0.80		ND	2.4	0.4	2/7/15	4:49	WSD
n-Butylbenzene	ND	0.058		ND	0.32	0.4	2/7/15	4:49	WSD
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	2/7/15	4:49	WSD
Carbon Tetrachloride	0.078	0.010		0.49	0.063	0.4	2/7/15	4:49	WSD
Chlorobenzene	ND	0.020		ND	0.092	0.4	2/7/15	4:49	WSD
Chloroethane	ND	0.020	V-05, L-03	ND	0.053	0.4	2/7/15	4:49	WSD
Chloroform	0.030	0.010		0.14	0.049	0.4	2/7/15	4:49	WSD
Chloromethane	ND	0.040	V-05, L-03	ND	0.083	0.4	2/7/15	4:49	WSD
Dibromochloromethane	ND	0.010		ND	0.085	0.4	2/7/15	4:49	WSD
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	2/7/15	4:49	WSD
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/7/15	4:49	WSD
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/7/15	4:49	WSD
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/7/15	4:49	WSD
Dichlorodifluoromethane (Freon 12)	0.30	0.020		1.5	0.099	0.4	2/7/15	4:49	WSD
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	2/7/15	4:49	WSD
1,2-Dichloroethane	ND	0.010		ND	0.040	0.4	2/7/15	4:49	WSD
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/7/15	4:49	WSD
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/7/15	4:49	WSD
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/7/15	4:49	WSD
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	2/7/15	4:49	WSD
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	2/7/15	4:49	WSD
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	2/7/15	4:49	WSD
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	2/7/15	4:49	WSD
Ethylbenzene	0.055	0.020		0.24	0.087	0.4	2/7/15	4:49	WSD
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	2/7/15	4:49	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	2/7/15	4:49	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	2/7/15	4:49	WSD
Methylene Chloride	ND	0.20		ND	0.69	0.4	2/7/15	4:49	WSD
4-Methyl-2-pentanone (MIBK)	0.076	0.020		0.31	0.082	0.4	2/7/15	4:49	WSD
Styrene	0.055	0.020		0.23	0.085	0.4	2/7/15	4:49	WSD
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	2/7/15	4:49	WSD
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	2/7/15	4:49	WSD

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 1/21/2015
Field Sample #: Room 152
Sample ID: 15A0624-06
 Sample Matrix: Indoor air
 Sampled: 1/20/2015 10:01

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1815
 Canister Size: 6 liter
 Flow Controller ID: 4086
 Sample Type: 30 min

Work Order: 15A0624
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -0.5
 Receipt Vacuum(in Hg): -3.5
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	0.62	0.010		4.2	0.068	0.4	2/7/15	4:49	WSD
Toluene	0.26	0.020		0.97	0.075	0.4	2/7/15	4:49	WSD
1,1,1-Trichloroethane	0.049	0.010		0.27	0.055	0.4	2/7/15	4:49	WSD
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	2/7/15	4:49	WSD
Trichloroethylene	3.7	0.010		20	0.054	0.4	2/7/15	4:49	WSD
Trichlorofluoromethane (Freon 11)	0.81	0.020		4.5	0.11	0.4	2/7/15	4:49	WSD
1,2,4-Trimethylbenzene	0.10	0.020		0.49	0.098	0.4	2/7/15	4:49	WSD
1,3,5-Trimethylbenzene	ND	0.020		ND	0.098	0.4	2/7/15	4:49	WSD
Vinyl Chloride	ND	0.010	V-05, L-03	ND	0.026	0.4	2/7/15	4:49	WSD
m&p-Xylene	0.18	0.040		0.77	0.17	0.4	2/7/15	4:49	WSD
o-Xylene	0.060	0.020		0.26	0.087	0.4	2/7/15	4:49	WSD

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	97.0	70-130	2/7/15	4:49
4-Bromofluorobenzene (2)	92.1	70-130	2/7/15	4:49

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 1/21/2015
Field Sample #: Room 118
Sample ID: 15A0624-07
 Sample Matrix: Indoor air
 Sampled: 1/20/2015 10:07

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2144
 Canister Size: 6 liter
 Flow Controller ID: 4170
 Sample Type: 30 min

Work Order: 15A0624
 Initial Vacuum(in Hg): -28.5
 Final Vacuum(in Hg): -3.5
 Receipt Vacuum(in Hg): -4.6
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	16	0.80		39	1.9	0.4	2/7/15	5:42	WSD
Acrylonitrile	ND	0.12		ND	0.25	0.4	2/7/15	5:42	WSD
Benzene	0.16	0.020		0.50	0.064	0.4	2/7/15	5:42	WSD
Bromodichloromethane	ND	0.010		ND	0.067	0.4	2/7/15	5:42	WSD
Bromoform	ND	0.020		ND	0.21	0.4	2/7/15	5:42	WSD
2-Butanone (MEK)	1.9	0.80		5.7	2.4	0.4	2/7/15	5:42	WSD
n-Butylbenzene	ND	0.058		ND	0.32	0.4	2/7/15	5:42	WSD
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	2/7/15	5:42	WSD
Carbon Tetrachloride	0.074	0.010		0.46	0.063	0.4	2/7/15	5:42	WSD
Chlorobenzene	ND	0.020		ND	0.092	0.4	2/7/15	5:42	WSD
Chloroethane	ND	0.020	V-05, L-03	ND	0.053	0.4	2/7/15	5:42	WSD
Chloroform	0.023	0.010		0.11	0.049	0.4	2/7/15	5:42	WSD
Chloromethane	0.43	0.040	V-05, L-03	0.89	0.083	0.4	2/7/15	5:42	WSD
Dibromochloromethane	ND	0.010		ND	0.085	0.4	2/7/15	5:42	WSD
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	2/7/15	5:42	WSD
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/7/15	5:42	WSD
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/7/15	5:42	WSD
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/7/15	5:42	WSD
Dichlorodifluoromethane (Freon 12)	0.30	0.020		1.5	0.099	0.4	2/7/15	5:42	WSD
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	2/7/15	5:42	WSD
1,2-Dichloroethane	ND	0.010		ND	0.040	0.4	2/7/15	5:42	WSD
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/7/15	5:42	WSD
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/7/15	5:42	WSD
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/7/15	5:42	WSD
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	2/7/15	5:42	WSD
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	2/7/15	5:42	WSD
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	2/7/15	5:42	WSD
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	2/7/15	5:42	WSD
Ethylbenzene	0.031	0.020		0.13	0.087	0.4	2/7/15	5:42	WSD
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	2/7/15	5:42	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	2/7/15	5:42	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	2/7/15	5:42	WSD
Methylene Chloride	7.2	0.20		25	0.69	0.4	2/7/15	5:42	WSD
4-Methyl-2-pentanone (MIBK)	0.14	0.020		0.56	0.082	0.4	2/7/15	5:42	WSD
Styrene	ND	0.020		ND	0.085	0.4	2/7/15	5:42	WSD
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	2/7/15	5:42	WSD
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	2/7/15	5:42	WSD

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 1/21/2015
Field Sample #: Room 118
Sample ID: 15A0624-07
 Sample Matrix: Indoor air
 Sampled: 1/20/2015 10:07

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2144
 Canister Size: 6 liter
 Flow Controller ID: 4170
 Sample Type: 30 min

Work Order: 15A0624
 Initial Vacuum(in Hg): -28.5
 Final Vacuum(in Hg): -3.5
 Receipt Vacuum(in Hg): -4.6
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	ND	0.010		ND	0.068	0.4	2/7/15	5:42	WSD
Toluene	0.24	0.020		0.89	0.075	0.4	2/7/15	5:42	WSD
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	2/7/15	5:42	WSD
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	2/7/15	5:42	WSD
Trichloroethylene	ND	0.010		ND	0.054	0.4	2/7/15	5:42	WSD
Trichlorofluoromethane (Freon 11)	0.26	0.020		1.5	0.11	0.4	2/7/15	5:42	WSD
1,2,4-Trimethylbenzene	ND	0.020		ND	0.098	0.4	2/7/15	5:42	WSD
1,3,5-Trimethylbenzene	ND	0.020		ND	0.098	0.4	2/7/15	5:42	WSD
Vinyl Chloride	ND	0.010	V-05, L-03	ND	0.026	0.4	2/7/15	5:42	WSD
m&p-Xylene	0.091	0.040		0.40	0.17	0.4	2/7/15	5:42	WSD
o-Xylene	0.034	0.020		0.15	0.087	0.4	2/7/15	5:42	WSD

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	94.2	70-130	2/7/15	5:42
4-Bromofluorobenzene (2)	89.5	70-130	2/7/15	5:42

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 1/21/2015
Field Sample #: Room 110
Sample ID: 15A0624-08
 Sample Matrix: Indoor air
 Sampled: 1/20/2015 13:21

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1858
 Canister Size: 6 liter
 Flow Controller ID: 4083
 Sample Type: 30 min

Work Order: 15A0624
 Initial Vacuum(in Hg): -24
 Final Vacuum(in Hg): 0
 Receipt Vacuum(in Hg): -4.4
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analized		
Acetone	18	0.80		44	1.9	0.4	2/7/15	6:35	WSD
Acrylonitrile	ND	0.12		ND	0.25	0.4	2/7/15	6:35	WSD
Benzene	0.16	0.020		0.50	0.064	0.4	2/7/15	6:35	WSD
Bromodichloromethane	ND	0.010		ND	0.067	0.4	2/7/15	6:35	WSD
Bromoform	ND	0.020		ND	0.21	0.4	2/7/15	6:35	WSD
2-Butanone (MEK)	0.81	0.80		2.4	2.4	0.4	2/7/15	6:35	WSD
n-Butylbenzene	ND	0.058		ND	0.32	0.4	2/7/15	6:35	WSD
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	2/7/15	6:35	WSD
Carbon Tetrachloride	0.072	0.010		0.45	0.063	0.4	2/7/15	6:35	WSD
Chlorobenzene	ND	0.020		ND	0.092	0.4	2/7/15	6:35	WSD
Chloroethane	ND	0.020	V-05, L-03	ND	0.053	0.4	2/7/15	6:35	WSD
Chloroform	0.027	0.010		0.13	0.049	0.4	2/7/15	6:35	WSD
Chloromethane	0.52	0.040	V-05, L-03	1.1	0.083	0.4	2/7/15	6:35	WSD
Dibromochloromethane	ND	0.010		ND	0.085	0.4	2/7/15	6:35	WSD
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	2/7/15	6:35	WSD
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/7/15	6:35	WSD
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/7/15	6:35	WSD
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/7/15	6:35	WSD
Dichlorodifluoromethane (Freon 12)	0.28	0.020		1.4	0.099	0.4	2/7/15	6:35	WSD
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	2/7/15	6:35	WSD
1,2-Dichloroethane	ND	0.010		ND	0.040	0.4	2/7/15	6:35	WSD
1,1-Dichloroethylene	0.025	0.010		0.098	0.040	0.4	2/7/15	6:35	WSD
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/7/15	6:35	WSD
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/7/15	6:35	WSD
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	2/7/15	6:35	WSD
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	2/7/15	6:35	WSD
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	2/7/15	6:35	WSD
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	2/7/15	6:35	WSD
Ethylbenzene	0.038	0.020		0.16	0.087	0.4	2/7/15	6:35	WSD
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	2/7/15	6:35	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	2/7/15	6:35	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	2/7/15	6:35	WSD
Methylene Chloride	8.7	0.20		30	0.69	0.4	2/7/15	6:35	WSD
4-Methyl-2-pentanone (MIBK)	0.20	0.020		0.80	0.082	0.4	2/7/15	6:35	WSD
Styrene	ND	0.020		ND	0.085	0.4	2/7/15	6:35	WSD
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	2/7/15	6:35	WSD
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	2/7/15	6:35	WSD

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 1/21/2015
Field Sample #: Room 110
Sample ID: 15A0624-08
 Sample Matrix: Indoor air
 Sampled: 1/20/2015 13:21

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1858
 Canister Size: 6 liter
 Flow Controller ID: 4083
 Sample Type: 30 min

Work Order: 15A0624
 Initial Vacuum(in Hg): -24
 Final Vacuum(in Hg): 0
 Receipt Vacuum(in Hg): -4.4
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	0.042	0.010		0.28	0.068	0.4	2/7/15	6:35	WSD
Toluene	0.30	0.020		1.1	0.075	0.4	2/7/15	6:35	WSD
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	2/7/15	6:35	WSD
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	2/7/15	6:35	WSD
Trichloroethylene	ND	0.010		ND	0.054	0.4	2/7/15	6:35	WSD
Trichlorofluoromethane (Freon 11)	0.23	0.020		1.3	0.11	0.4	2/7/15	6:35	WSD
1,2,4-Trimethylbenzene	0.075	0.020		0.37	0.098	0.4	2/7/15	6:35	WSD
1,3,5-Trimethylbenzene	ND	0.020		ND	0.098	0.4	2/7/15	6:35	WSD
Vinyl Chloride	ND	0.010	V-05, L-03	ND	0.026	0.4	2/7/15	6:35	WSD
m&p-Xylene	0.13	0.040		0.55	0.17	0.4	2/7/15	6:35	WSD
o-Xylene	0.047	0.020		0.20	0.087	0.4	2/7/15	6:35	WSD

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	96.1	70-130	2/7/15	6:35
4-Bromofluorobenzene (2)	91.8	70-130	2/7/15	6:35

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 1/21/2015
Field Sample #: MP-1
Sample ID: 15A0624-09
 Sample Matrix: Air
 Sampled: 1/20/2015 11:38

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1126
 Canister Size: 6 liter
 Flow Controller ID: 4172
 Sample Type: 30 min

Work Order: 15A0624
 Initial Vacuum(in Hg): -25
 Final Vacuum(in Hg): -3.5
 Receipt Vacuum(in Hg): -5.2
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	5.9	0.80		14	1.9	0.4	2/7/15	7:30	WSD
Acrylonitrile	ND	0.12		ND	0.25	0.4	2/7/15	7:30	WSD
Benzene	0.13	0.020		0.42	0.064	0.4	2/7/15	7:30	WSD
Bromodichloromethane	ND	0.010		ND	0.067	0.4	2/7/15	7:30	WSD
Bromoform	ND	0.020		ND	0.21	0.4	2/7/15	7:30	WSD
2-Butanone (MEK)	1.7	0.80		5.1	2.4	0.4	2/7/15	7:30	WSD
n-Butylbenzene	ND	0.058		ND	0.32	0.4	2/7/15	7:30	WSD
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	2/7/15	7:30	WSD
Carbon Tetrachloride	0.071	0.010		0.45	0.063	0.4	2/7/15	7:30	WSD
Chlorobenzene	ND	0.020		ND	0.092	0.4	2/7/15	7:30	WSD
Chloroethane	0.026	0.020	V-05, L-03	0.069	0.053	0.4	2/7/15	7:30	WSD
Chloroform	ND	0.010		ND	0.049	0.4	2/7/15	7:30	WSD
Chloromethane	ND	0.040	V-05, L-03	ND	0.083	0.4	2/7/15	7:30	WSD
Dibromochloromethane	ND	0.010		ND	0.085	0.4	2/7/15	7:30	WSD
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	2/7/15	7:30	WSD
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/7/15	7:30	WSD
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/7/15	7:30	WSD
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/7/15	7:30	WSD
Dichlorodifluoromethane (Freon 12)	ND	0.020		ND	0.099	0.4	2/7/15	7:30	WSD
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	2/7/15	7:30	WSD
1,2-Dichloroethane	ND	0.010		ND	0.040	0.4	2/7/15	7:30	WSD
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/7/15	7:30	WSD
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/7/15	7:30	WSD
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/7/15	7:30	WSD
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	2/7/15	7:30	WSD
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	2/7/15	7:30	WSD
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	2/7/15	7:30	WSD
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	2/7/15	7:30	WSD
Ethylbenzene	0.092	0.020		0.40	0.087	0.4	2/7/15	7:30	WSD
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	2/7/15	7:30	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	2/7/15	7:30	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	2/7/15	7:30	WSD
Methylene Chloride	9.6	0.20		33	0.69	0.4	2/7/15	7:30	WSD
4-Methyl-2-pentanone (MIBK)	0.021	0.020		0.087	0.082	0.4	2/7/15	7:30	WSD
Styrene	ND	0.020		ND	0.085	0.4	2/7/15	7:30	WSD
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	2/7/15	7:30	WSD
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	2/7/15	7:30	WSD

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 1/21/2015
Field Sample #: MP-1
Sample ID: 15A0624-09
 Sample Matrix: Air
 Sampled: 1/20/2015 11:38

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1126
 Canister Size: 6 liter
 Flow Controller ID: 4172
 Sample Type: 30 min

Work Order: 15A0624
 Initial Vacuum(in Hg): -25
 Final Vacuum(in Hg): -3.5
 Receipt Vacuum(in Hg): -5.2
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	0.13	0.010		0.89	0.068	0.4	2/7/15	7:30	WSD
Toluene	0.40	0.020		1.5	0.075	0.4	2/7/15	7:30	WSD
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	2/7/15	7:30	WSD
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	2/7/15	7:30	WSD
Trichloroethylene	0.097	0.010		0.52	0.054	0.4	2/7/15	7:30	WSD
Trichlorofluoromethane (Freon 11)	0.29	0.020		1.6	0.11	0.4	2/7/15	7:30	WSD
1,2,4-Trimethylbenzene	0.038	0.020		0.19	0.098	0.4	2/7/15	7:30	WSD
1,3,5-Trimethylbenzene	ND	0.020		ND	0.098	0.4	2/7/15	7:30	WSD
Vinyl Chloride	0.036	0.010	V-05, L-03	0.093	0.026	0.4	2/7/15	7:30	WSD
m&p-Xylene	0.25	0.040		1.1	0.17	0.4	2/7/15	7:30	WSD
o-Xylene	0.066	0.020		0.29	0.087	0.4	2/7/15	7:30	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	95.2	70-130	2/7/15 7:30
4-Bromofluorobenzene (2)	91.5	70-130	2/7/15 7:30

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 1/21/2015
Field Sample #: MP-3
Sample ID: 15A0624-10
 Sample Matrix: Air
 Sampled: 1/20/2015 11:21

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2014
 Canister Size: 6 liter
 Flow Controller ID: 4196
 Sample Type: 30 min

Work Order: 15A0624
 Initial Vacuum(in Hg): -20.5
 Final Vacuum(in Hg): 0
 Receipt Vacuum(in Hg): -3.8
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	9.6	0.80		23	1.9	0.4	2/7/15	8:23	WSD
Acrylonitrile	ND	0.12		ND	0.25	0.4	2/7/15	8:23	WSD
Benzene	0.10	0.020		0.33	0.064	0.4	2/7/15	8:23	WSD
Bromodichloromethane	ND	0.010		ND	0.067	0.4	2/7/15	8:23	WSD
Bromoform	ND	0.020		ND	0.21	0.4	2/7/15	8:23	WSD
2-Butanone (MEK)	1.3	0.80		3.9	2.4	0.4	2/7/15	8:23	WSD
n-Butylbenzene	ND	0.058		ND	0.32	0.4	2/7/15	8:23	WSD
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	2/7/15	8:23	WSD
Carbon Tetrachloride	0.078	0.010		0.49	0.063	0.4	2/7/15	8:23	WSD
Chlorobenzene	ND	0.020		ND	0.092	0.4	2/7/15	8:23	WSD
Chloroethane	0.036	0.020	V-05, L-03	0.094	0.053	0.4	2/7/15	8:23	WSD
Chloroform	0.28	0.010		1.4	0.049	0.4	2/7/15	8:23	WSD
Chloromethane	1.4	0.040	V-05, L-03	3.0	0.083	0.4	2/7/15	8:23	WSD
Dibromochloromethane	ND	0.010		ND	0.085	0.4	2/7/15	8:23	WSD
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	2/7/15	8:23	WSD
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/7/15	8:23	WSD
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/7/15	8:23	WSD
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/7/15	8:23	WSD
Dichlorodifluoromethane (Freon 12)	0.30	0.020		1.5	0.099	0.4	2/7/15	8:23	WSD
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	2/7/15	8:23	WSD
1,2-Dichloroethane	ND	0.010		ND	0.040	0.4	2/7/15	8:23	WSD
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/7/15	8:23	WSD
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/7/15	8:23	WSD
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/7/15	8:23	WSD
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	2/7/15	8:23	WSD
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	2/7/15	8:23	WSD
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	2/7/15	8:23	WSD
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	2/7/15	8:23	WSD
Ethylbenzene	ND	0.020		ND	0.087	0.4	2/7/15	8:23	WSD
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	2/7/15	8:23	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	2/7/15	8:23	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	2/7/15	8:23	WSD
Methylene Chloride	7.7	0.20		27	0.69	0.4	2/7/15	8:23	WSD
4-Methyl-2-pentanone (MIBK)	0.021	0.020		0.085	0.082	0.4	2/7/15	8:23	WSD
Styrene	ND	0.020		ND	0.085	0.4	2/7/15	8:23	WSD
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	2/7/15	8:23	WSD
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	2/7/15	8:23	WSD

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 1/21/2015
Field Sample #: MP-3
Sample ID: 15A0624-10
 Sample Matrix: Air
 Sampled: 1/20/2015 11:21

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2014
 Canister Size: 6 liter
 Flow Controller ID: 4196
 Sample Type: 30 min

Work Order: 15A0624
 Initial Vacuum(in Hg): -20.5
 Final Vacuum(in Hg): 0
 Receipt Vacuum(in Hg): -3.8
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	0.029	0.010		0.20	0.068	0.4	2/7/15	8:23	WSD
Toluene	0.16	0.020		0.61	0.075	0.4	2/7/15	8:23	WSD
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	2/7/15	8:23	WSD
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	2/7/15	8:23	WSD
Trichloroethylene	ND	0.010		ND	0.054	0.4	2/7/15	8:23	WSD
Trichlorofluoromethane (Freon 11)	0.27	0.020		1.5	0.11	0.4	2/7/15	8:23	WSD
1,2,4-Trimethylbenzene	ND	0.020		ND	0.098	0.4	2/7/15	8:23	WSD
1,3,5-Trimethylbenzene	ND	0.020		ND	0.098	0.4	2/7/15	8:23	WSD
Vinyl Chloride	0.054	0.010	L-03, V-05	0.14	0.026	0.4	2/7/15	8:23	WSD
m&p-Xylene	0.049	0.040		0.21	0.17	0.4	2/7/15	8:23	WSD
o-Xylene	ND	0.020		ND	0.087	0.4	2/7/15	8:23	WSD

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	94.2	70-130	2/7/15	8:23
4-Bromofluorobenzene (2)	91.1	70-130	2/7/15	8:23

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 1/21/2015
Field Sample #: MP-4
Sample ID: 15A0624-11
 Sample Matrix: Air
 Sampled: 1/20/2015 12:21

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2154
 Canister Size: 6 liter
 Flow Controller ID: 4084
 Sample Type: 30 min

Work Order: 15A0624
 Initial Vacuum(in Hg): -24
 Final Vacuum(in Hg): -2
 Receipt Vacuum(in Hg): -5.75
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analized		
Acetone	9.8	0.80		23	1.9	0.4	2/7/15	9:19	WSD
Acrylonitrile	ND	0.12		ND	0.25	0.4	2/7/15	9:19	WSD
Benzene	0.14	0.020		0.45	0.064	0.4	2/7/15	9:19	WSD
Bromodichloromethane	ND	0.010		ND	0.067	0.4	2/7/15	9:19	WSD
Bromoform	ND	0.020		ND	0.21	0.4	2/7/15	9:19	WSD
2-Butanone (MEK)	1.5	0.80		4.3	2.4	0.4	2/7/15	9:19	WSD
n-Butylbenzene	ND	0.058		ND	0.32	0.4	2/7/15	9:19	WSD
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	2/7/15	9:19	WSD
Carbon Tetrachloride	0.066	0.010		0.42	0.063	0.4	2/7/15	9:19	WSD
Chlorobenzene	ND	0.020		ND	0.092	0.4	2/7/15	9:19	WSD
Chloroethane	0.024	0.020	V-05, L-03	0.062	0.053	0.4	2/7/15	9:19	WSD
Chloroform	0.029	0.010		0.14	0.049	0.4	2/7/15	9:19	WSD
Chloromethane	ND	0.040	V-05, L-03	ND	0.083	0.4	2/7/15	9:19	WSD
Dibromochloromethane	ND	0.010		ND	0.085	0.4	2/7/15	9:19	WSD
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	2/7/15	9:19	WSD
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/7/15	9:19	WSD
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/7/15	9:19	WSD
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/7/15	9:19	WSD
Dichlorodifluoromethane (Freon 12)	0.28	0.020		1.4	0.099	0.4	2/7/15	9:19	WSD
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	2/7/15	9:19	WSD
1,2-Dichloroethane	ND	0.010		ND	0.040	0.4	2/7/15	9:19	WSD
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/7/15	9:19	WSD
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/7/15	9:19	WSD
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/7/15	9:19	WSD
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	2/7/15	9:19	WSD
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	2/7/15	9:19	WSD
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	2/7/15	9:19	WSD
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	2/7/15	9:19	WSD
Ethylbenzene	0.022	0.020		0.096	0.087	0.4	2/7/15	9:19	WSD
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	2/7/15	9:19	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	2/7/15	9:19	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	2/7/15	9:19	WSD
Methylene Chloride	7.3	0.20		25	0.69	0.4	2/7/15	9:19	WSD
4-Methyl-2-pentanone (MIBK)	0.028	0.020		0.12	0.082	0.4	2/7/15	9:19	WSD
Styrene	ND	0.020		ND	0.085	0.4	2/7/15	9:19	WSD
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	2/7/15	9:19	WSD
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	2/7/15	9:19	WSD

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 1/21/2015
Field Sample #: MP-4
Sample ID: 15A0624-11
 Sample Matrix: Air
 Sampled: 1/20/2015 12:21

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2154
 Canister Size: 6 liter
 Flow Controller ID: 4084
 Sample Type: 30 min

Work Order: 15A0624
 Initial Vacuum(in Hg): -24
 Final Vacuum(in Hg): -2
 Receipt Vacuum(in Hg): -5.75
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	0.054	0.010		0.37	0.068	0.4	2/7/15	9:19	WSD
Toluene	0.16	0.020		0.60	0.075	0.4	2/7/15	9:19	WSD
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	2/7/15	9:19	WSD
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	2/7/15	9:19	WSD
Trichloroethylene	4.5	0.010		24	0.054	0.4	2/7/15	9:19	WSD
Trichlorofluoromethane (Freon 11)	1.6	0.020		9.1	0.11	0.4	2/7/15	9:19	WSD
1,2,4-Trimethylbenzene	ND	0.020		ND	0.098	0.4	2/7/15	9:19	WSD
1,3,5-Trimethylbenzene	ND	0.020		ND	0.098	0.4	2/7/15	9:19	WSD
Vinyl Chloride	ND	0.010	V-05, L-03	ND	0.026	0.4	2/7/15	9:19	WSD
m&p-Xylene	0.070	0.040		0.30	0.17	0.4	2/7/15	9:19	WSD
o-Xylene	0.024	0.020		0.10	0.087	0.4	2/7/15	9:19	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	92.1	70-130	2/7/15 9:19
4-Bromofluorobenzene (2)	88.2	70-130	2/7/15 9:19

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 1/21/2015
Field Sample #: MP-6
Sample ID: 15A0624-12
 Sample Matrix: Air
 Sampled: 1/20/2015 11:19

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2133
 Canister Size: 6 liter
 Flow Controller ID: 4173
 Sample Type: 30 min

Work Order: 15A0624
 Initial Vacuum(in Hg): -23
 Final Vacuum(in Hg): 0
 Receipt Vacuum(in Hg): -2.6
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analized		
Acetone	6.8	0.80		16	1.9	0.4	2/7/15 10:10	WSD	
Acrylonitrile	ND	0.12		ND	0.25	0.4	2/7/15 10:10	WSD	
Benzene	0.097	0.020		0.31	0.064	0.4	2/7/15 10:10	WSD	
Bromodichloromethane	ND	0.010		ND	0.067	0.4	2/7/15 10:10	WSD	
Bromoform	ND	0.020		ND	0.21	0.4	2/7/15 10:10	WSD	
2-Butanone (MEK)	ND	0.80		ND	2.4	0.4	2/7/15 10:10	WSD	
n-Butylbenzene	ND	0.058		ND	0.32	0.4	2/7/15 10:10	WSD	
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	2/7/15 10:10	WSD	
Carbon Tetrachloride	0.070	0.010		0.44	0.063	0.4	2/7/15 10:10	WSD	
Chlorobenzene	ND	0.020		ND	0.092	0.4	2/7/15 10:10	WSD	
Chloroethane	0.092	0.020	V-05, L-03	0.24	0.053	0.4	2/7/15 10:10	WSD	
Chloroform	0.058	0.010		0.29	0.049	0.4	2/7/15 10:10	WSD	
Chloromethane	ND	0.040	V-05, L-03	ND	0.083	0.4	2/7/15 10:10	WSD	
Dibromochloromethane	ND	0.010		ND	0.085	0.4	2/7/15 10:10	WSD	
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	2/7/15 10:10	WSD	
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/7/15 10:10	WSD	
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/7/15 10:10	WSD	
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/7/15 10:10	WSD	
Dichlorodifluoromethane (Freon 12)	0.29	0.020		1.4	0.099	0.4	2/7/15 10:10	WSD	
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	2/7/15 10:10	WSD	
1,2-Dichloroethane	ND	0.010		ND	0.040	0.4	2/7/15 10:10	WSD	
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/7/15 10:10	WSD	
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/7/15 10:10	WSD	
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/7/15 10:10	WSD	
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	2/7/15 10:10	WSD	
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	2/7/15 10:10	WSD	
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	2/7/15 10:10	WSD	
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	2/7/15 10:10	WSD	
Ethylbenzene	ND	0.020		ND	0.087	0.4	2/7/15 10:10	WSD	
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	2/7/15 10:10	WSD	
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	2/7/15 10:10	WSD	
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	2/7/15 10:10	WSD	
Methylene Chloride	8.9	0.20		31	0.69	0.4	2/7/15 10:10	WSD	
4-Methyl-2-pentanone (MIBK)	0.022	0.020		0.088	0.082	0.4	2/7/15 10:10	WSD	
Styrene	ND	0.020		ND	0.085	0.4	2/7/15 10:10	WSD	
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	2/7/15 10:10	WSD	
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	2/7/15 10:10	WSD	

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 1/21/2015
Field Sample #: MP-6
Sample ID: 15A0624-12
 Sample Matrix: Air
 Sampled: 1/20/2015 11:19

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2133
 Canister Size: 6 liter
 Flow Controller ID: 4173
 Sample Type: 30 min

Work Order: 15A0624
 Initial Vacuum(in Hg): -23
 Final Vacuum(in Hg): 0
 Receipt Vacuum(in Hg): -2.6
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time Analyzed	Analyst
	Results	RL		Results	RL			
Tetrachloroethylene	0.15	0.010		1.0	0.068	0.4	2/7/15 10:10	WSD
Toluene	0.12	0.020		0.44	0.075	0.4	2/7/15 10:10	WSD
1,1,1-Trichloroethane	0.056	0.010		0.31	0.055	0.4	2/7/15 10:10	WSD
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	2/7/15 10:10	WSD
Trichloroethylene	0.24	0.010		1.3	0.054	0.4	2/7/15 10:10	WSD
Trichlorofluoromethane (Freon 11)	0.93	0.020		5.2	0.11	0.4	2/7/15 10:10	WSD
1,2,4-Trimethylbenzene	ND	0.020		ND	0.098	0.4	2/7/15 10:10	WSD
1,3,5-Trimethylbenzene	ND	0.020		ND	0.098	0.4	2/7/15 10:10	WSD
Vinyl Chloride	0.028	0.010	L-03, V-05	0.072	0.026	0.4	2/7/15 10:10	WSD
m&p-Xylene	0.046	0.040		0.20	0.17	0.4	2/7/15 10:10	WSD
o-Xylene	ND	0.020		ND	0.087	0.4	2/7/15 10:10	WSD

Surrogates	% Recovery	% REC Limits	Date/Time Analyzed
4-Bromofluorobenzene (1)	92.0	70-130	2/7/15 10:10
4-Bromofluorobenzene (2)	85.9	70-130	2/7/15 10:10

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 1/21/2015
Field Sample #: IMP-1
Sample ID: 15A0624-13
 Sample Matrix: Air
 Sampled: 1/20/2015 09:00

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1131
 Canister Size: 6 liter
 Flow Controller ID: 4085
 Sample Type: 30 min

Work Order: 15A0624
 Initial Vacuum(in Hg): -25
 Final Vacuum(in Hg): -5
 Receipt Vacuum(in Hg): -8
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	17	1.2		39	2.9	0.6	2/7/15 10:56	WSD	
Acrylonitrile	ND	0.17		ND	0.37	0.6	2/7/15 10:56	WSD	
Benzene	0.20	0.030		0.63	0.096	0.6	2/7/15 10:56	WSD	
Bromodichloromethane	ND	0.015		ND	0.10	0.6	2/7/15 10:56	WSD	
Bromoform	ND	0.030		ND	0.31	0.6	2/7/15 10:56	WSD	
2-Butanone (MEK)	2.5	1.2		7.5	3.5	0.6	2/7/15 10:56	WSD	
n-Butylbenzene	ND	0.086		ND	0.47	0.6	2/7/15 10:56	WSD	
sec-Butylbenzene	ND	0.068		ND	0.38	0.6	2/7/15 10:56	WSD	
Carbon Tetrachloride	0.076	0.015		0.48	0.094	0.6	2/7/15 10:56	WSD	
Chlorobenzene	ND	0.030		ND	0.14	0.6	2/7/15 10:56	WSD	
Chloroethane	ND	0.030	V-05, L-03	ND	0.079	0.6	2/7/15 10:56	WSD	
Chloroform	ND	0.015		ND	0.073	0.6	2/7/15 10:56	WSD	
Chloromethane	0.33	0.060	V-05, L-03	0.69	0.12	0.6	2/7/15 10:56	WSD	
Dibromochloromethane	ND	0.015		ND	0.13	0.6	2/7/15 10:56	WSD	
1,2-Dibromoethane (EDB)	ND	0.015		ND	0.12	0.6	2/7/15 10:56	WSD	
1,2-Dichlorobenzene	ND	0.030		ND	0.18	0.6	2/7/15 10:56	WSD	
1,3-Dichlorobenzene	ND	0.030		ND	0.18	0.6	2/7/15 10:56	WSD	
1,4-Dichlorobenzene	ND	0.030		ND	0.18	0.6	2/7/15 10:56	WSD	
Dichlorodifluoromethane (Freon 12)	0.29	0.030		1.4	0.15	0.6	2/7/15 10:56	WSD	
1,1-Dichloroethane	ND	0.015		ND	0.061	0.6	2/7/15 10:56	WSD	
1,2-Dichloroethane	ND	0.015		ND	0.061	0.6	2/7/15 10:56	WSD	
1,1-Dichloroethylene	ND	0.015		ND	0.059	0.6	2/7/15 10:56	WSD	
cis-1,2-Dichloroethylene	ND	0.015		ND	0.059	0.6	2/7/15 10:56	WSD	
trans-1,2-Dichloroethylene	ND	0.015		ND	0.059	0.6	2/7/15 10:56	WSD	
1,2-Dichloropropane	ND	0.015		ND	0.069	0.6	2/7/15 10:56	WSD	
1,3-Dichloropropane	ND	0.081		ND	0.37	0.6	2/7/15 10:56	WSD	
cis-1,3-Dichloropropene	ND	0.015		ND	0.068	0.6	2/7/15 10:56	WSD	
trans-1,3-Dichloropropene	ND	0.015		ND	0.068	0.6	2/7/15 10:56	WSD	
Ethylbenzene	0.056	0.030		0.24	0.13	0.6	2/7/15 10:56	WSD	
Isopropylbenzene (Cumene)	ND	0.076		ND	0.37	0.6	2/7/15 10:56	WSD	
p-Isopropyltoluene (p-Cymene)	ND	0.068		ND	0.38	0.6	2/7/15 10:56	WSD	
Methyl tert-Butyl Ether (MTBE)	ND	0.030		ND	0.11	0.6	2/7/15 10:56	WSD	
Methylene Chloride	9.2	0.30		32	1.0	0.6	2/7/15 10:56	WSD	
4-Methyl-2-pentanone (MIBK)	0.085	0.030		0.35	0.12	0.6	2/7/15 10:56	WSD	
Styrene	0.16	0.030		0.67	0.13	0.6	2/7/15 10:56	WSD	
1,1,1,2-Tetrachloroethane	ND	0.055		ND	0.37	0.6	2/7/15 10:56	WSD	
1,1,2,2-Tetrachloroethane	ND	0.015		ND	0.10	0.6	2/7/15 10:56	WSD	

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 1/21/2015
Field Sample #: IMP-1
Sample ID: 15A0624-13
 Sample Matrix: Air
 Sampled: 1/20/2015 09:00

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1131
 Canister Size: 6 liter
 Flow Controller ID: 4085
 Sample Type: 30 min

Work Order: 15A0624
 Initial Vacuum(in Hg): -25
 Final Vacuum(in Hg): -5
 Receipt Vacuum(in Hg): -8
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	0.077	0.015		0.52	0.10	0.6	2/7/15	10:56	WSD
Toluene	0.37	0.030		1.4	0.11	0.6	2/7/15	10:56	WSD
1,1,1-Trichloroethane	ND	0.015		ND	0.082	0.6	2/7/15	10:56	WSD
1,1,2-Trichloroethane	ND	0.015		ND	0.082	0.6	2/7/15	10:56	WSD
Trichloroethylene	ND	0.015		ND	0.081	0.6	2/7/15	10:56	WSD
Trichlorofluoromethane (Freon 11)	0.24	0.030		1.3	0.17	0.6	2/7/15	10:56	WSD
1,2,4-Trimethylbenzene	0.058	0.030		0.29	0.15	0.6	2/7/15	10:56	WSD
1,3,5-Trimethylbenzene	ND	0.030		ND	0.15	0.6	2/7/15	10:56	WSD
Vinyl Chloride	ND	0.015	V-05, L-03	ND	0.038	0.6	2/7/15	10:56	WSD
m&p-Xylene	0.16	0.060		0.70	0.26	0.6	2/7/15	10:56	WSD
o-Xylene	0.054	0.030		0.23	0.13	0.6	2/7/15	10:56	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	97.1	70-130	2/7/15 10:56
4-Bromofluorobenzene (2)	89.7	70-130	2/7/15 10:56

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 1/21/2015
Field Sample #: IMP-2
Sample ID: 15A0624-14
 Sample Matrix: Air
 Sampled: 1/20/2015 10:01

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1108
 Canister Size: 6 liter
 Flow Controller ID: 4171
 Sample Type: 30 min

Work Order: 15A0624
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -3
 Receipt Vacuum(in Hg): -2.2
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analized		
Acetone	31	0.80		72	1.9	0.4	2/7/15 11:47	WSD	
Acrylonitrile	ND	0.12		ND	0.25	0.4	2/7/15 11:47	WSD	
Benzene	0.14	0.020		0.46	0.064	0.4	2/7/15 11:47	WSD	
Bromodichloromethane	ND	0.010		ND	0.067	0.4	2/7/15 11:47	WSD	
Bromoform	ND	0.020		ND	0.21	0.4	2/7/15 11:47	WSD	
2-Butanone (MEK)	2.1	0.80		6.2	2.4	0.4	2/7/15 11:47	WSD	
n-Butylbenzene	ND	0.058		ND	0.32	0.4	2/7/15 11:47	WSD	
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	2/7/15 11:47	WSD	
Carbon Tetrachloride	0.076	0.010		0.48	0.063	0.4	2/7/15 11:47	WSD	
Chlorobenzene	ND	0.020		ND	0.092	0.4	2/7/15 11:47	WSD	
Chloroethane	ND	0.020	V-05, L-03	ND	0.053	0.4	2/7/15 11:47	WSD	
Chloroform	0.030	0.010		0.14	0.049	0.4	2/7/15 11:47	WSD	
Chloromethane	0.58	0.040	V-05, L-03	1.2	0.083	0.4	2/7/15 11:47	WSD	
Dibromochloromethane	ND	0.010		ND	0.085	0.4	2/7/15 11:47	WSD	
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	2/7/15 11:47	WSD	
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/7/15 11:47	WSD	
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	2/7/15 11:47	WSD	
1,4-Dichlorobenzene	0.022	0.020		0.13	0.12	0.4	2/7/15 11:47	WSD	
Dichlorodifluoromethane (Freon 12)	0.31	0.020		1.5	0.099	0.4	2/7/15 11:47	WSD	
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	2/7/15 11:47	WSD	
1,2-Dichloroethane	0.026	0.010		0.10	0.040	0.4	2/7/15 11:47	WSD	
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/7/15 11:47	WSD	
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/7/15 11:47	WSD	
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	2/7/15 11:47	WSD	
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	2/7/15 11:47	WSD	
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	2/7/15 11:47	WSD	
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	2/7/15 11:47	WSD	
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	2/7/15 11:47	WSD	
Ethylbenzene	0.066	0.020		0.29	0.087	0.4	2/7/15 11:47	WSD	
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	2/7/15 11:47	WSD	
p-Isopropyltoluene (p-Cymene)	0.092	0.046		0.51	0.25	0.4	2/7/15 11:47	WSD	
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	2/7/15 11:47	WSD	
Methylene Chloride	ND	0.20		ND	0.69	0.4	2/7/15 11:47	WSD	
4-Methyl-2-pentanone (MIBK)	1.4	0.020		5.8	0.082	0.4	2/7/15 11:47	WSD	
Styrene	ND	0.020		ND	0.085	0.4	2/7/15 11:47	WSD	
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	2/7/15 11:47	WSD	
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	2/7/15 11:47	WSD	

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 1/21/2015
Field Sample #: IMP-2
Sample ID: 15A0624-14
 Sample Matrix: Air
 Sampled: 1/20/2015 10:01

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1108
 Canister Size: 6 liter
 Flow Controller ID: 4171
 Sample Type: 30 min

Work Order: 15A0624
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -3
 Receipt Vacuum(in Hg): -2.2
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	0.031	0.010		0.21	0.068	0.4	2/7/15 11:47		WSD
Toluene	0.41	0.020		1.5	0.075	0.4	2/7/15 11:47		WSD
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	2/7/15 11:47		WSD
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	2/7/15 11:47		WSD
Trichloroethylene	ND	0.010		ND	0.054	0.4	2/7/15 11:47		WSD
Trichlorofluoromethane (Freon 11)	0.24	0.020		1.4	0.11	0.4	2/7/15 11:47		WSD
1,2,4-Trimethylbenzene	0.072	0.020		0.36	0.098	0.4	2/7/15 11:47		WSD
1,3,5-Trimethylbenzene	0.023	0.020		0.11	0.098	0.4	2/7/15 11:47		WSD
Vinyl Chloride	ND	0.010	V-05, L-03	ND	0.026	0.4	2/7/15 11:47		WSD
m&p-Xylene	0.21	0.040		0.90	0.17	0.4	2/7/15 11:47		WSD
o-Xylene	0.079	0.020		0.34	0.087	0.4	2/7/15 11:47		WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	97.6	70-130	2/7/15 11:47
4-Bromofluorobenzene (2)	91.8	70-130	2/7/15 11:47

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 1/21/2015
Field Sample #: Ambient Air
Sample ID: 15A0624-15
 Sample Matrix: Ambient Air
 Sampled: 1/20/2015 11:24

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1886
 Canister Size: 6 liter
 Flow Controller ID: 4197
 Sample Type: 30 min

Work Order: 15A0624
 Initial Vacuum(in Hg): -23
 Final Vacuum(in Hg): -3
 Receipt Vacuum(in Hg): -8
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	20	1.2		49	2.9	0.6	2/7/15 13:51	WSD	
Acrylonitrile	ND	0.17		ND	0.37	0.6	2/7/15 13:51	WSD	
Benzene	0.16	0.030		0.51	0.096	0.6	2/7/15 13:51	WSD	
Bromodichloromethane	ND	0.015		ND	0.10	0.6	2/7/15 13:51	WSD	
Bromoform	ND	0.030		ND	0.31	0.6	2/7/15 13:51	WSD	
2-Butanone (MEK)	1.2	1.2		3.6	3.5	0.6	2/7/15 13:51	WSD	
n-Butylbenzene	ND	0.086		ND	0.47	0.6	2/7/15 13:51	WSD	
sec-Butylbenzene	ND	0.068		ND	0.38	0.6	2/7/15 13:51	WSD	
Carbon Tetrachloride	0.083	0.015		0.52	0.094	0.6	2/7/15 13:51	WSD	
Chlorobenzene	ND	0.030		ND	0.14	0.6	2/7/15 13:51	WSD	
Chloroethane	ND	0.030	V-05, L-03	ND	0.079	0.6	2/7/15 13:51	WSD	
Chloroform	ND	0.015		ND	0.073	0.6	2/7/15 13:51	WSD	
Chloromethane	0.40	0.060	V-05, L-03	0.82	0.12	0.6	2/7/15 13:51	WSD	
Dibromochloromethane	ND	0.015		ND	0.13	0.6	2/7/15 13:51	WSD	
1,2-Dibromoethane (EDB)	ND	0.015		ND	0.12	0.6	2/7/15 13:51	WSD	
1,2-Dichlorobenzene	ND	0.030		ND	0.18	0.6	2/7/15 13:51	WSD	
1,3-Dichlorobenzene	ND	0.030		ND	0.18	0.6	2/7/15 13:51	WSD	
1,4-Dichlorobenzene	ND	0.030		ND	0.18	0.6	2/7/15 13:51	WSD	
Dichlorodifluoromethane (Freon 12)	0.30	0.030		1.5	0.15	0.6	2/7/15 13:51	WSD	
1,1-Dichloroethane	ND	0.015		ND	0.061	0.6	2/7/15 13:51	WSD	
1,2-Dichloroethane	ND	0.015		ND	0.061	0.6	2/7/15 13:51	WSD	
1,1-Dichloroethylene	ND	0.015		ND	0.059	0.6	2/7/15 13:51	WSD	
cis-1,2-Dichloroethylene	ND	0.015		ND	0.059	0.6	2/7/15 13:51	WSD	
trans-1,2-Dichloroethylene	ND	0.015		ND	0.059	0.6	2/7/15 13:51	WSD	
1,2-Dichloropropane	ND	0.015		ND	0.069	0.6	2/7/15 13:51	WSD	
1,3-Dichloropropane	ND	0.081		ND	0.37	0.6	2/7/15 13:51	WSD	
cis-1,3-Dichloropropene	ND	0.015		ND	0.068	0.6	2/7/15 13:51	WSD	
trans-1,3-Dichloropropene	ND	0.015		ND	0.068	0.6	2/7/15 13:51	WSD	
Ethylbenzene	0.048	0.030		0.21	0.13	0.6	2/7/15 13:51	WSD	
Isopropylbenzene (Cumene)	ND	0.076		ND	0.37	0.6	2/7/15 13:51	WSD	
p-Isopropyltoluene (p-Cymene)	ND	0.068		ND	0.38	0.6	2/7/15 13:51	WSD	
Methyl tert-Butyl Ether (MTBE)	ND	0.030		ND	0.11	0.6	2/7/15 13:51	WSD	
Methylene Chloride	12	0.30		40	1.0	0.6	2/7/15 13:51	WSD	
4-Methyl-2-pentanone (MIBK)	0.41	0.030		1.7	0.12	0.6	2/7/15 13:51	WSD	
Styrene	ND	0.030		ND	0.13	0.6	2/7/15 13:51	WSD	
1,1,1,2-Tetrachloroethane	ND	0.055		ND	0.37	0.6	2/7/15 13:51	WSD	
1,1,2,2-Tetrachloroethane	ND	0.015		ND	0.10	0.6	2/7/15 13:51	WSD	

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 1/21/2015
Field Sample #: Ambient Air
Sample ID: 15A0624-15
 Sample Matrix: Ambient Air
 Sampled: 1/20/2015 11:24

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1886
 Canister Size: 6 liter
 Flow Controller ID: 4197
 Sample Type: 30 min

Work Order: 15A0624
 Initial Vacuum(in Hg): -23
 Final Vacuum(in Hg): -3
 Receipt Vacuum(in Hg): -8
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	ND	0.015		ND	0.10	0.6	2/7/15	13:51	WSD
Toluene	0.39	0.030		1.5	0.11	0.6	2/7/15	13:51	WSD
1,1,1-Trichloroethane	ND	0.015		ND	0.082	0.6	2/7/15	13:51	WSD
1,1,2-Trichloroethane	ND	0.015		ND	0.082	0.6	2/7/15	13:51	WSD
Trichloroethylene	ND	0.015		ND	0.081	0.6	2/7/15	13:51	WSD
Trichlorofluoromethane (Freon 11)	0.25	0.030		1.4	0.17	0.6	2/7/15	13:51	WSD
1,2,4-Trimethylbenzene	ND	0.030		ND	0.15	0.6	2/7/15	13:51	WSD
1,3,5-Trimethylbenzene	ND	0.030		ND	0.15	0.6	2/7/15	13:51	WSD
Vinyl Chloride	ND	0.015	L-03, V-05	ND	0.038	0.6	2/7/15	13:51	WSD
m&p-Xylene	0.18	0.060		0.80	0.26	0.6	2/7/15	13:51	WSD
o-Xylene	0.061	0.030		0.27	0.13	0.6	2/7/15	13:51	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	94.2	70-130	2/7/15 13:51
4-Bromofluorobenzene (2)	84.5	70-130	2/7/15 13:51

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
15A0624-01 [Gymnasium]	B114989	1	1	N/A	1000	400	1000	02/06/15
15A0624-02 [Cafeteria]	B114989	1	1	N/A	1000	400	1000	02/06/15
15A0624-03 [Kitchen Storage]	B114989	1	1	N/A	1000	400	1000	02/06/15
15A0624-04 [Elevator Hallway]	B114989	1	1	N/A	1000	400	1000	02/06/15
15A0624-05 [Room 145]	B114989	1.5	1	N/A	1000	400	1000	02/06/15
15A0624-06 [Room 152]	B114989	1	1	N/A	1000	400	1000	02/06/15
15A0624-07 [Room 118]	B114989	1	1	N/A	1000	400	1000	02/06/15
15A0624-08 [Room 110]	B114989	1	1	N/A	1000	400	1000	02/06/15
15A0624-09 [MP-1]	B114989	1	1	N/A	1000	400	1000	02/06/15
15A0624-10 [MP-3]	B114989	1	1	N/A	1000	400	1000	02/06/15
15A0624-11 [MP-4]	B114989	1	1	N/A	1000	400	1000	02/06/15
15A0624-12 [MP-6]	B114989	1	1	N/A	1000	400	1000	02/06/15
15A0624-13 [IMP-1]	B114989	1.5	1	N/A	1000	400	1000	02/06/15
15A0624-14 [IMP-2]	B114989	1	1	N/A	1000	400	1000	02/06/15
15A0624-15 [Ambient Air]	B114989	1.5	1	N/A	1000	400	1000	02/06/15

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	%REC	RPD	Flag/Qual
	Results	RL	Results	RL	ppbv	Result	Limits	RPD	Limit	
Batch B114989 - TO-15 Prep										
Blank (B114989-BLK1)										
Prepared & Analyzed: 02/06/15										
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								L-03, V-05
Chloroform	ND	0.010								
Chloromethane	ND	0.040								L-03, V-05
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								

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 B114989 - TO-15 Prep											
Blank (B114989-BLK1)						Prepared & Analyzed: 02/06/15					
m&p-Xylene	ND	0.040									
o-Xylene	ND	0.020									
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	7.34				8.00		91.8	70-130			
<i>Surrogate: 4-Bromofluorobenzene (2)</i>	6.47				8.00		80.9	70-130			
LCS (B114989-BS1)						Prepared & Analyzed: 02/06/15					
Acetone	5.82				5.00		116	70-130			
Acrylonitrile	7.31				2.88		254 *	70-130			L-01, V-06
Benzene	3.98				5.00		79.7	70-130			
Bromodichloromethane	4.95				5.00		98.9	70-130			
Bromoform	4.21				5.00		84.3	70-130			
2-Butanone (MEK)	4.06				5.00		81.3	70-130			
n-Butylbenzene	1.01				1.14		88.3	70-130			
sec-Butylbenzene	0.959				1.14		84.1	70-130			
Carbon Tetrachloride	4.86				5.00		97.3	70-130			
Chlorobenzene	4.20				5.00		84.0	70-130			
Chloroethane	3.30				5.00		65.9 *	70-130			L-03, V-05
Chloroform	4.65				5.00		93.0	70-130			
Chloromethane	3.26				5.00		65.3 *	70-130			L-03, V-05
Dibromochloromethane	4.78				5.00		95.6	70-130			
1,2-Dibromoethane (EDB)	4.50				5.00		90.0	70-130			
1,2-Dichlorobenzene	4.05				5.00		81.1	70-130			
1,3-Dichlorobenzene	3.95				5.00		79.0	70-130			
1,4-Dichlorobenzene	3.90				5.00		77.9	70-130			
Dichlorodifluoromethane (Freon 12)	5.03				5.00		101	70-130			
1,1-Dichloroethane	4.55				5.00		91.0	70-130			
1,2-Dichloroethane	4.98				5.00		99.6	70-130			
1,1-Dichloroethylene	4.51				5.00		90.3	70-130			
cis-1,2-Dichloroethylene	4.67				5.00		93.4	70-130			
trans-1,2-Dichloroethylene	4.52				5.00		90.3	70-130			
1,2-Dichloropropane	4.55				5.00		90.9	70-130			
1,3-Dichloropropane	1.18				1.35		87.1	70-130			
cis-1,3-Dichloropropene	4.55				5.00		91.0	70-130			
trans-1,3-Dichloropropene	4.71				5.00		94.2	70-130			
Ethylbenzene	4.37				5.00		87.4	70-130			
Isopropylbenzene (Cumene)	0.966				1.27		76.1	70-130			
p-Isopropyltoluene (p-Cymene)	0.956				1.14		83.9	70-130			
Methyl tert-Butyl Ether (MTBE)	4.26				5.00		85.2	70-130			
Methylene Chloride	4.14				5.00		82.7	70-130			
4-Methyl-2-pentanone (MIBK)	4.35				5.00		86.9	70-130			
Styrene	4.01				5.00		80.3	70-130			
1,1,1,2-Tetrachloroethane	0.790				0.910		86.8	70-130			
1,1,2,2-Tetrachloroethane	4.45				5.00		89.1	70-130			
Tetrachloroethylene	4.18				5.00		83.6	70-130			
Toluene	4.38				5.00		87.6	70-130			
1,1,1-Trichloroethane	4.66				5.00		93.2	70-130			
1,1,2-Trichloroethane	4.65				5.00		93.1	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	RPD	Flag/Qual
	Results	RL	Results	RL	ppbv	Result	%REC	RPD	
Batch B114989 - TO-15 Prep									
LCS (B114989-BS1)					Prepared & Analyzed: 02/06/15				
Trichloroethylene	4.38				5.00		87.5	70-130	
Trichlorofluoromethane (Freon 11)	4.94				5.00		98.8	70-130	
1,2,4-Trimethylbenzene	4.34				5.00		86.9	70-130	
1,3,5-Trimethylbenzene	4.24				5.00		84.7	70-130	
Vinyl Chloride	3.23				5.00		64.7 *	70-130	L-03, V-05
m&p-Xylene	9.36				10.0		93.6	70-130	
o-Xylene	4.32				5.00		86.4	70-130	
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	<i>7.80</i>				<i>8.00</i>		<i>97.4</i>	<i>70-130</i>	
<i>Surrogate: 4-Bromofluorobenzene (2)</i>	<i>6.81</i>				<i>8.00</i>		<i>85.1</i>	<i>70-130</i>	

FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
- † Wide recovery limits established for difficult compound.
- ‡ Wide RPD limits established for difficult compound.
- # Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

- L-01 Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
- L-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.
- 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	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
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	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015



Company Name: EA Engineering
 Address: 2374 Post Rd.
 Warwick RI
 Attention: Catherine Swanson
 Project Location: Alvarez
 Sampled By: C. Swanson / S. Decarl.

Telephone: 401-736-3440
 Project #: 1506602
 Client PO #

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Fax #: _____
 Email: catherine.swanson@eaest.com
 Format: XCEL PDF GIS KEY OTHER _____

Field ID	Sample Description	Media	Lab #	Date Sampled		Total Minutes Sampled	Flow Rate M ³ /Min. or L/Min.	Volume Liters or M ³	Matrix Code*	"Hg Initial Pressure	Summa Canister ID	Flow Controller ID
				Start Date Time	Stop Date Time							
01	Gymnasium	10S		1-20-15 0807	1-20-15 0837	30			IA	28.5	1230	4177
02	Cafeteria			0810	1158	228			IA	30.5	1825	4176
03	Kitchen Storage			0833	0903	30			IA	27.5	2142	4182
04	Elevator Hallway			0815	0845	30				30.5	2148	4105
05	Room 145			0917	0948	31				30.0	1039	4183
06	Room 152			0924	1001	37				30.0	1815	4086
07	Room 118			0937	1007	30				30.5	2144	4170
08	Room 110			1251	1321	30				34.0	1858	4083

ANALYSIS REQUESTED: _____
 "Hg Initial Pressure: _____
 Summa Canister ID: _____
 Flow Controller ID: _____
 Please fill out completely, sign, date and retain the yellow copy for your record.
 Summa canisters and flow controllers must be returned within 14 days of receipt or rental fees will apply.
 For summa canister and flow controller information please refer to Con-Test's Air Media Agreement.

Proposal Provided? (For Billing purposes) yes no proposal date _____

Requisitioned by: (signature) Catherine Swanson
 Date/Time: 1-21-15 0955

Received by: (signature) [Signature]
 Date/Time: 1/21/15 0955

Requisitioned by: (signature) [Signature]
 Date/Time: 1400

Received by: (signature) [Signature]
 Date/Time: 1400

Special Requirements:
 Regulations: Target Analyte
 Data Enhancement/RCP? Y N
 Enhanced Data Package Y N
 (Surcharge Applies)
 Required Detection Limits: Contract
 Other: 1,2-DCA RL 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= tedar bag
 P= PUF
 T= tube
 F= filter
 C= cassette
 O= Other

Laboratory Comments:
 * Flow controllers 4183 & 4083 were switched in boxes - used on cans in box, not designated by label
 * Cafeteria sample regulator not functioning correctly - can closed after 4 hrs (supposed to be 30 min) because pressure wasn't going down

TURNAROUND TIME STARTS AT 9:00 A.M. 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



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

Telephone: 401-736-3440
 Project # 1506602
 Client PO #

Attention: Catherine Swanson
 Project Location: Alvarez
 Sampled By: C. Swanson / S. Decarti

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Fax # :
 Email: catherine.swanson@east.com
 Format: EXCEL PDF GIS KEY OTHER

Field ID	Sample Description	Media	Lab #	ONLY USE WHEN USING PUMPS			Matrix Code*
				Date Sampled	Total Minutes Sampled	Flow Rate M ³ /Min. or L/Min.	
09	mp-1	SS		1-20-15 1108	30	1136	S
10	mp-3			1054	27	1121	
11	mp-4			1151	30	1221	
12	mp-6			1049	30	1119	
13	imp-1			0830	30	0900	
14	imp-2			0926	35	1001	
15	Ambient Air	AMB		1102	22	1124	

ANALYSIS REQUESTED	"Hg	Summa Canister ID	Flow Controller ID
	33-5	1126	4172
	33-0	2014	4196
	33-2	2154	4084
	33-0	2133	4173
	33-0	1131	4085
	33-3	1108	4171
	33-3	1886	4197

CLIENT COMMENTS:
 *Flow controllers 1083-1102

Relinquished by (signature): [Signature] Date/Time: 1-21-15 0955

Received by (signature): [Signature] Date/Time: 1/21/15 0955

Relinquished by (signature): [Signature] Date/Time: 1:40

Received by (signature): [Signature] Date/Time: 1/21/15

Turnaround: 7-Day 10-Day Other

RUSH* *24-Hr *48-Hr *72-Hr *4-Day *Approval Required

Special Requirements: Regulations: CI Target Analytes
 Data Enhancement/RCP? Y N
 Enhanced Data Package Y N
 (Surcharge Applies)
 Required Detection Limits: Contract
 Other: 1.2 DCA RL 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 A.M. 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: FAeryman RECEIVED BY: MJ DATE: 11/21/15

- 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:

19

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? 15

Containers received at Con-Test		
	# of Containers	Types (Size, Duration)
Summa Cans (TO-14/TO-15/APH)	15	6L
Tedlar Bags		
TO-17 Tubes		
Regulators	15	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:	2014 1131	4177 4183	4172 4085
1230 2148 2144		4176 4086	4196 4171
1825 1039 1058 2154 1108		4182 4170	4084 4191
2142 1015 1126 2133 1086		4105 4083	4173

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 coolers'/boxes' custody seal, if present, is intact.	T		
2) The cooler or samples do not appear to have been compromised or tampered with.	T		
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) Samples are received within Holding Time.	T		
10) Sample containers have legible labels.	T		
11) Containers/media are not broken or leaking and valves and caps are closed tightly.	F *		COC says reg # 4176 not functioning properly
12) Sample collection date/times are provided.	T		
13) Appropriate sample/media containers are used.	T		
14) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	*		Sample # 2 possibly not enough?
15) Trip blanks provided if applicable.	T		

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

Date/Time:
 Date/Time:

Doc #278 Rev. 5 October 2014

MJ 1/2/15
 14:00



Air Sampling Media Certificate of Analysis

Date Analyzed: 12/3/2014 **Batch #:** 14CC0626

Certification Type: *Batch Certified* *Individual Certified*

Media Type: *Summa Canister* *Flow Controllers*

Media IDs: BC1230 _____

Note: Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1,3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.02	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.02	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.02	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes: _____

Analyst Initials/Date: WSD 2/9/15



Air Sampling Media Certificate of Analysis

Date Analyzed: 12/16/2014 **Batch #:** 14CC0650

Certification Type: *Batch Certified* *Individual Certified*

Media Type: *Summa Canister* *Flow Controllers*

Media IDs: BC1825 _____

Note: Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1,3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.02	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.02	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.02	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes: _____

Analyst Initials/Date: WSD 2/9/15



Air Sampling Media Certificate of Analysis

Date Analyzed: 1/2/2015 **Batch #:** 15CC0002

Certification Type: *Batch Certified* *Individual Certified*

Media Type: *Summa Canister* *Flow Controllers*

Media IDs: BC2142 _____

Note: Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1,3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.02	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.02	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.02	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes: _____

Analyst Initials/Date: WSD 2/9/15



Air Sampling Media Certificate of Analysis

Date Analyzed: 12/31/2014 **Batch #:** 14CC0665

Certification Type: *Batch Certified* *Individual Certified*

Media Type: *Summa Canister* *Flow Controllers*

Media IDs: BC1039 _____

Note: Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1,3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.02	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.02	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.02	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes: _____

Analyst Initials/Date: WSD 2/9/15



Air Sampling Media Certificate of Analysis

Date Analyzed: 12/16/2014 **Batch #:** 14CC0649

Certification Type: *Batch Certified* *Individual Certified*

Media Type: *Summa Canister* *Flow Controllers*

Media IDs: BC1815 _____

Note: Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1,3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.02	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.02	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.02	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes: _____

Analyst Initials/Date: WSD 2/9/15



Air Sampling Media Certificate of Analysis

Date Analyzed: 1/5/2015 **Batch #:** 15CC0006

Certification Type: *Batch Certified* *Individual Certified*

Media Type: *Summa Canister* *Flow Controllers*

Media IDs: BC2144 _____

Note: Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1,3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.02	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.02	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.02	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes: _____

Analyst Initials/Date: WSD 2/9/15



Air Sampling Media Certificate of Analysis

Date Analyzed: 12/23/2014 **Batch #:** 14CC0664

Certification Type: *Batch Certified* *Individual Certified*

Media Type: *Summa Canister* *Flow Controllers*

Media IDs: BC1858 _____

Note: Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1,3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.02	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.02	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.02	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes: _____

Analyst Initials/Date: WSD 2/9/15



Air Sampling Media Certificate of Analysis

Date Analyzed: 1/2/2015 **Batch #:** 15CC0001

Certification Type: *Batch Certified* *Individual Certified*

Media Type: *Summa Canister* *Flow Controllers*

Media IDs: BC1126 _____

Note: Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1,3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.02	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.02	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.02	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes: _____

Analyst Initials/Date: WSD 2/9/15



Air Sampling Media Certificate of Analysis

Date Analyzed: 1/7/2015 **Batch #:** 15CC0011

Certification Type: *Batch Certified* *Individual Certified*

Media Type: *Summa Canister* *Flow Controllers*

Media IDs: BC2014 _____

Note: Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1,3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.02	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.02	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.02	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes: _____

Analyst Initials/Date: WSD 2/9/15



Air Sampling Media Certificate of Analysis

Date Analyzed: 12/22/2014 **Batch #:** 14CC0658

Certification Type: *Batch Certified* *Individual Certified*

Media Type: *Summa Canister* *Flow Controllers*

Media IDs: BC2154 _____

Note: Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1,3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.02	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.02	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.02	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes: _____

Analyst Initials/Date: WSD 2/9/15



Air Sampling Media Certificate of Analysis

Date Analyzed: 12/22/2014 **Batch #:** 14CC0660

Certification Type: *Batch Certified* *Individual Certified*

Media Type: *Summa Canister* *Flow Controllers*

Media IDs: BC2154 _____

Note: Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1,3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	660	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.02	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.02	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.02	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes: _____

Analyst Initials/Date: WSD 2/9/15



Air Sampling Media Certificate of Analysis

Date Analyzed: 12/31/2014 **Batch #:** 14CC0667

Certification Type: *Batch Certified* *Individual Certified*

Media Type: *Summa Canister* *Flow Controllers*

Media IDs: BC1131 _____

Note: Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1,3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	660	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.02	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.02	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.02	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes: _____

Analyst Initials/Date: WSD 2/9/15



Air Sampling Media Certificate of Analysis

Date Analyzed: 10/2/2014 **Batch #:** 14CC0523

Certification Type: *Batch Certified* *Individual Certified*

Media Type: *Summa Canister* *Flow Controllers*

Media IDs: BC1108 _____

Note: Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1,3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	660	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.02	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.02	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.02	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes: _____

Analyst Initials/Date: WSD 2/9/15



Air Sampling Media Certificate of Analysis

Date Analyzed: 12/23/2014 **Batch #:** 14CC0662

Certification Type: *Batch Certified* *Individual Certified*

Media Type: *Summa Canister* *Flow Controllers*

Media IDs: BC1886 _____

Note: Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.80	Propene	<0.04	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.20	Hexane	<0.02	1,2-Dibromomethane
<0.04	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1,3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	660	Styrene
<0.08	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.80	Acetone	<0.02	Cyclohexane	<0.02	1,1,2,2-Tetrachloroethane
<0.02	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.80	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.20	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.02	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.02	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.04	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.80	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.20	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes: _____

Analyst Initials/Date: WSD 2/9/15

May 19, 2015

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

Project Location: Alvarez
Client Job Number:
Project Number: 1506602
Laboratory Work Order Number: 15D1202

Enclosed are results of analyses for samples received by the laboratory on April 23, 2015. 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: Catherine Swanson

REPORT DATE: 5/19/2015

PURCHASE ORDER NUMBER: 11977

PROJECT NUMBER: 1506602

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15D1202

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	15D1202-01	Indoor air		EPA TO-15	
Cafeteria	15D1202-02	Indoor air		EPA TO-15	
Kitchen Storage	15D1202-03	Indoor air		EPA TO-15	
Elevator Hallway	15D1202-04	Indoor air		EPA TO-15	
Room 145	15D1202-05	Indoor air		EPA TO-15	
Room 152	15D1202-06	Indoor air		EPA TO-15	
Room 118	15D1202-07	Indoor air		EPA TO-15	
Room 110	15D1202-08	Indoor air		EPA TO-15	
IMP-1	15D1202-09	Sub Slab		EPA TO-15	
IMP-3	15D1202-10	Sub Slab		EPA TO-15	
MP-2	15D1202-11	Soil Gas		EPA TO-15	
MP-5	15D1202-12	Soil Gas		EPA TO-15	
MP-7	15D1202-13	Soil Gas		EPA TO-15	
MP-8	15D1202-14	Soil Gas		EPA TO-15	
Ambient Outdoor	15D1202-15	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.

REVISED REPORT 05/18/15: For method TO-15, in samples 15D1202-01, -11, and -12; Bromochloromethane internal standard recovery lower than method specifications. Per RCP samples were re-analyzed with acceptable recovery. Both results are reported due to elevated detection limit.

For method TO-15, in sample 15D1202-14, sample was originally analyzed outside of method Tune specifications. Sample was re-analyzed within acceptable limits, however due to can pressure sample has elevated detection limits. Both results are reported.

Qualifications:**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:**Acetone**

15D1202-01RE1[Gymnasium], 15D1202-11RE1[MP-2], 15D1202-12RE1[MP-5], 15D1202-14RE1[MP-8], B121986-BLK1, B121986-BS1

Acrylonitrile

15D1202-01[Gymnasium], 15D1202-02[Cafeteria], 15D1202-03[Kitchen Storage], 15D1202-04[Elevator Hallway], 15D1202-05[Room 145], 15D1202-06[Room 152], 15D1202-07[Room 118], 15D1202-08[Room 110], 15D1202-09[IMP-1], 15D1202-10[IMP-3], 15D1202-11[MP-2], 15D1202-12[MP-5], 15D1202-13[MP-7], 15D1202-14[MP-8], 15D1202-15[Ambient Outdoor], B121873-BLK1, B121873-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:**Acetone**

15D1202-01RE1[Gymnasium], 15D1202-11RE1[MP-2], 15D1202-12RE1[MP-5], 15D1202-14RE1[MP-8], B121986-BLK1, B121986-BS1

V-30

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

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

15D1202-01[Gymnasium], 15D1202-11[MP-2], 15D1202-12[MP-5]

1,1-Dichloroethylene

15D1202-01[Gymnasium], 15D1202-11[MP-2], 15D1202-12[MP-5]

1,2-Dichloroethane

15D1202-01[Gymnasium], 15D1202-11[MP-2], 15D1202-12[MP-5]

2-Butanone (MEK)

15D1202-01[Gymnasium], 15D1202-11[MP-2], 15D1202-12[MP-5]

Acetone

15D1202-01[Gymnasium], 15D1202-11[MP-2], 15D1202-12[MP-5]

Bromochloromethane (1)

15D1202-01[Gymnasium], 15D1202-11[MP-2], 15D1202-12[MP-5]

Chloroethane

15D1202-01[Gymnasium], 15D1202-11[MP-2], 15D1202-12[MP-5]

Chloroform

15D1202-01[Gymnasium], 15D1202-11[MP-2], 15D1202-12[MP-5]

Chloromethane

15D1202-01[Gymnasium], 15D1202-11[MP-2], 15D1202-12[MP-5]

cis-1,2-Dichloroethylene

15D1202-01[Gymnasium], 15D1202-11[MP-2], 15D1202-12[MP-5]

Dichlorodifluoromethane (Freon 11)

15D1202-01[Gymnasium], 15D1202-11[MP-2], 15D1202-12[MP-5]

Methyl tert-Butyl Ether (MTBE)

15D1202-01[Gymnasium], 15D1202-11[MP-2], 15D1202-12[MP-5]

Methylene Chloride

15D1202-01[Gymnasium], 15D1202-11[MP-2], 15D1202-12[MP-5]

trans-1,2-Dichloroethylene

15D1202-01[Gymnasium], 15D1202-11[MP-2], 15D1202-12[MP-5]

Trichlorofluoromethane (Freon 111)

15D1202-01[Gymnasium], 15D1202-11[MP-2], 15D1202-12[MP-5]

Vinyl Chloride

15D1202-01[Gymnasium], 15D1202-11[MP-2], 15D1202-12[MP-5]

Z-01

Elevated method detection limit, due to pressure in canister.

Analyte & Samples(s) Qualified:

15D1202-14[MP-8]

Z-02

Sample analyzed outside of method Tune Specifications.

Analyte & Samples(s) Qualified:

15D1202-14[MP-8]

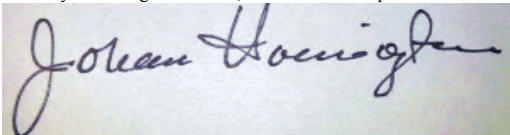
EPA TO-15

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.



Johanna K. Harrington
Manager, Laboratory Reporting

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 4/23/2015
Field Sample #: Gymnasium
Sample ID: 15D1202-01
 Sample Matrix: Indoor air
 Sampled: 4/22/2015 08:56

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2217
 Canister Size: 6 liter
 Flow Controller ID: 4185
 Sample Type: 30 min

Work Order: 15D1202
 Initial Vacuum(in Hg): -29.5
 Final Vacuum(in Hg): -5.5
 Receipt Vacuum(in Hg): -6
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv			ug/m3		Dilution	Date/Time		Analyst
	Results	RL	Flag/Qual	Results	RL		Analized		
Acetone	14	1.2	V-05, L-03	32	2.9	0.6	5/16/15	3:31	TPH
Acetone	33	0.80	V-30	79	1.9	0.4	5/14/15	14:23	TPH
Acrylonitrile	ND	0.17		ND	0.37	0.6	5/16/15	3:31	TPH
Acrylonitrile	ND	0.12	L-03	ND	0.25	0.4	5/14/15	14:23	TPH
Benzene	0.26	0.030		0.84	0.096	0.6	5/16/15	3:31	TPH
Benzene	0.29	0.020		0.92	0.064	0.4	5/14/15	14:23	TPH
Bromodichloromethane	ND	0.015		ND	0.10	0.6	5/16/15	3:31	TPH
Bromodichloromethane	ND	0.010		ND	0.067	0.4	5/14/15	14:23	TPH
Bromoform	ND	0.030		ND	0.31	0.6	5/16/15	3:31	TPH
Bromoform	ND	0.020		ND	0.21	0.4	5/14/15	14:23	TPH
2-Butanone (MEK)	2.3	1.2		6.9	3.5	0.6	5/16/15	3:31	TPH
2-Butanone (MEK)	2.2	0.80	V-30	6.6	2.4	0.4	5/14/15	14:23	TPH
n-Butylbenzene	ND	0.086		ND	0.47	0.6	5/16/15	3:31	TPH
n-Butylbenzene	ND	0.058		ND	0.32	0.4	5/14/15	14:23	TPH
sec-Butylbenzene	ND	0.068		ND	0.38	0.6	5/16/15	3:31	TPH
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	5/14/15	14:23	TPH
Carbon Tetrachloride	0.052	0.015		0.32	0.094	0.6	5/16/15	3:31	TPH
Carbon Tetrachloride	0.052	0.010		0.32	0.063	0.4	5/14/15	14:23	TPH
Chlorobenzene	ND	0.030		ND	0.14	0.6	5/16/15	3:31	TPH
Chlorobenzene	ND	0.020		ND	0.092	0.4	5/14/15	14:23	TPH
Chloroethane	ND	0.030		ND	0.079	0.6	5/16/15	3:31	TPH
Chloroethane	0.042	0.020	V-30	0.11	0.053	0.4	5/14/15	14:23	TPH
Chloroform	0.042	0.015		0.21	0.073	0.6	5/16/15	3:31	TPH
Chloroform	0.056	0.010	V-30	0.27	0.049	0.4	5/14/15	14:23	TPH
Chloromethane	0.75	0.060		1.6	0.12	0.6	5/16/15	3:31	TPH
Chloromethane	2.2	0.040	V-30	4.6	0.083	0.4	5/14/15	14:23	TPH
Dibromochloromethane	ND	0.015		ND	0.13	0.6	5/16/15	3:31	TPH
Dibromochloromethane	ND	0.010		ND	0.085	0.4	5/14/15	14:23	TPH
1,2-Dibromoethane (EDB)	ND	0.015		ND	0.12	0.6	5/16/15	3:31	TPH
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	5/14/15	14:23	TPH
1,2-Dichlorobenzene	ND	0.030		ND	0.18	0.6	5/16/15	3:31	TPH
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	5/14/15	14:23	TPH
1,3-Dichlorobenzene	ND	0.030		ND	0.18	0.6	5/16/15	3:31	TPH
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	5/14/15	14:23	TPH
1,4-Dichlorobenzene	ND	0.030		ND	0.18	0.6	5/16/15	3:31	TPH
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	5/14/15	14:23	TPH
Dichlorodifluoromethane (Freon 12)	0.36	0.030		1.8	0.15	0.6	5/16/15	3:31	TPH

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 4/23/2015
Field Sample #: Gymnasium
Sample ID: 15D1202-01
 Sample Matrix: Indoor air
 Sampled: 4/22/2015 08:56

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2217
 Canister Size: 6 liter
 Flow Controller ID: 4185
 Sample Type: 30 min

Work Order: 15D1202
 Initial Vacuum(in Hg): -29.5
 Final Vacuum(in Hg): -5.5
 Receipt Vacuum(in Hg): -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			
Dichlorodifluoromethane (Freon 12)	0.86	0.020	V-30	4.2	0.099	0.4	5/14/15 14:23	TPH
1,1-Dichloroethane	ND	0.015		ND	0.061	0.6	5/16/15 3:31	TPH
1,1-Dichloroethane	ND	0.010	V-30	ND	0.040	0.4	5/14/15 14:23	TPH
1,2-Dichloroethane	ND	0.015		ND	0.061	0.6	5/16/15 3:31	TPH
1,2-Dichloroethane	0.042	0.010	V-30	0.17	0.040	0.4	5/14/15 14:23	TPH
1,1-Dichloroethylene	ND	0.015		ND	0.059	0.6	5/16/15 3:31	TPH
1,1-Dichloroethylene	ND	0.010	V-30	ND	0.040	0.4	5/14/15 14:23	TPH
cis-1,2-Dichloroethylene	ND	0.015		ND	0.059	0.6	5/16/15 3:31	TPH
cis-1,2-Dichloroethylene	ND	0.010	V-30	ND	0.040	0.4	5/14/15 14:23	TPH
trans-1,2-Dichloroethylene	ND	0.015		ND	0.059	0.6	5/16/15 3:31	TPH
trans-1,2-Dichloroethylene	ND	0.010	V-30	ND	0.040	0.4	5/14/15 14:23	TPH
1,2-Dichloropropane	ND	0.015		ND	0.069	0.6	5/16/15 3:31	TPH
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	5/14/15 14:23	TPH
1,3-Dichloropropane	ND	0.081		ND	0.37	0.6	5/16/15 3:31	TPH
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	5/14/15 14:23	TPH
cis-1,3-Dichloropropene	ND	0.015		ND	0.068	0.6	5/16/15 3:31	TPH
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	5/14/15 14:23	TPH
trans-1,3-Dichloropropene	ND	0.015		ND	0.068	0.6	5/16/15 3:31	TPH
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	5/14/15 14:23	TPH
Ethylbenzene	0.13	0.030		0.57	0.13	0.6	5/16/15 3:31	TPH
Ethylbenzene	0.13	0.020		0.56	0.087	0.4	5/14/15 14:23	TPH
Isopropylbenzene (Cumene)	ND	0.076		ND	0.37	0.6	5/16/15 3:31	TPH
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	5/14/15 14:23	TPH
p-Isopropyltoluene (p-Cymene)	ND	0.068		ND	0.38	0.6	5/16/15 3:31	TPH
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	5/14/15 14:23	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.030		ND	0.11	0.6	5/16/15 3:31	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.020	V-30	ND	0.072	0.4	5/14/15 14:23	TPH
Methylene Chloride	0.34	0.30		1.2	1.0	0.6	5/16/15 3:31	TPH
Methylene Chloride	0.32	0.20	V-30	1.1	0.69	0.4	5/14/15 14:23	TPH
4-Methyl-2-pentanone (MIBK)	0.15	0.030		0.62	0.12	0.6	5/16/15 3:31	TPH
4-Methyl-2-pentanone (MIBK)	0.17	0.020		0.71	0.082	0.4	5/14/15 14:23	TPH
Styrene	ND	0.030		ND	0.13	0.6	5/16/15 3:31	TPH
Styrene	ND	0.020		ND	0.085	0.4	5/14/15 14:23	TPH
1,1,1,2-Tetrachloroethane	ND	0.055		ND	0.37	0.6	5/16/15 3:31	TPH
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	5/14/15 14:23	TPH
1,1,2,2-Tetrachloroethane	ND	0.015		ND	0.10	0.6	5/16/15 3:31	TPH
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	5/14/15 14:23	TPH

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 4/23/2015
Field Sample #: Gymnasium
Sample ID: 15D1202-01
 Sample Matrix: Indoor air
 Sampled: 4/22/2015 08:56

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2217
 Canister Size: 6 liter
 Flow Controller ID: 4185
 Sample Type: 30 min

Work Order: 15D1202
 Initial Vacuum(in Hg): -29.5
 Final Vacuum(in Hg): -5.5
 Receipt Vacuum(in Hg): -6
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	0.19	0.015		1.3	0.10	0.6	5/16/15	3:31	TPH
Tetrachloroethylene	0.18	0.010		1.3	0.068	0.4	5/14/15	14:23	TPH
Toluene	1.1	0.030		4.0	0.11	0.6	5/16/15	3:31	TPH
Toluene	1.1	0.020		4.3	0.075	0.4	5/14/15	14:23	TPH
1,1,1-Trichloroethane	ND	0.015		ND	0.082	0.6	5/16/15	3:31	TPH
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	5/14/15	14:23	TPH
1,1,2-Trichloroethane	ND	0.015		ND	0.082	0.6	5/16/15	3:31	TPH
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	5/14/15	14:23	TPH
Trichloroethylene	0.080	0.015		0.43	0.081	0.6	5/16/15	3:31	TPH
Trichloroethylene	0.082	0.010		0.44	0.054	0.4	5/14/15	14:23	TPH
Trichlorofluoromethane (Freon 11)	0.33	0.030		1.8	0.17	0.6	5/16/15	3:31	TPH
Trichlorofluoromethane (Freon 11)	0.88	0.020	V-30	4.9	0.11	0.4	5/14/15	14:23	TPH
1,2,4-Trimethylbenzene	0.11	0.030		0.55	0.15	0.6	5/16/15	3:31	TPH
1,2,4-Trimethylbenzene	0.12	0.020		0.57	0.098	0.4	5/14/15	14:23	TPH
1,3,5-Trimethylbenzene	0.037	0.030		0.18	0.15	0.6	5/16/15	3:31	TPH
1,3,5-Trimethylbenzene	0.035	0.020		0.17	0.098	0.4	5/14/15	14:23	TPH
Vinyl Chloride	ND	0.015		ND	0.038	0.6	5/16/15	3:31	TPH
Vinyl Chloride	ND	0.010	V-30	ND	0.026	0.4	5/14/15	14:23	TPH
m&p-Xylene	0.42	0.060		1.8	0.26	0.6	5/16/15	3:31	TPH
m&p-Xylene	0.42	0.040		1.8	0.17	0.4	5/14/15	14:23	TPH
o-Xylene	0.14	0.030		0.60	0.13	0.6	5/16/15	3:31	TPH
o-Xylene	0.14	0.020		0.59	0.087	0.4	5/14/15	14:23	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	116	70-130	5/16/15 3:31
4-Bromofluorobenzene (1)	105	70-130	5/14/15 14:23
4-Bromofluorobenzene (2)	103	70-130	5/16/15 3:31
4-Bromofluorobenzene (2)	85.2	70-130	5/14/15 14:23

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 4/23/2015
Field Sample #: Cafeteria
Sample ID: 15D1202-02
 Sample Matrix: Indoor air
 Sampled: 4/22/2015 08:48

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2030
 Canister Size: 6 liter
 Flow Controller ID: 4211
 Sample Type: 30 min

Work Order: 15D1202
 Initial Vacuum(in Hg): -29.5
 Final Vacuum(in Hg): -3
 Receipt Vacuum(in Hg): -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	9.0	0.80		21	1.9	0.4	5/14/15 15:14		TPH
Acrylonitrile	ND	0.12	L-03	ND	0.25	0.4	5/14/15 15:14		TPH
Benzene	0.37	0.020		1.2	0.064	0.4	5/14/15 15:14		TPH
Bromodichloromethane	ND	0.010		ND	0.067	0.4	5/14/15 15:14		TPH
Bromoform	ND	0.020		ND	0.21	0.4	5/14/15 15:14		TPH
2-Butanone (MEK)	1.5	0.80		4.5	2.4	0.4	5/14/15 15:14		TPH
n-Butylbenzene	ND	0.058		ND	0.32	0.4	5/14/15 15:14		TPH
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	5/14/15 15:14		TPH
Carbon Tetrachloride	0.054	0.010		0.34	0.063	0.4	5/14/15 15:14		TPH
Chlorobenzene	ND	0.020		ND	0.092	0.4	5/14/15 15:14		TPH
Chloroethane	ND	0.020		ND	0.053	0.4	5/14/15 15:14		TPH
Chloroform	0.045	0.010		0.22	0.049	0.4	5/14/15 15:14		TPH
Chloromethane	0.61	0.040		1.3	0.083	0.4	5/14/15 15:14		TPH
Dibromochloromethane	ND	0.010		ND	0.085	0.4	5/14/15 15:14		TPH
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	5/14/15 15:14		TPH
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	5/14/15 15:14		TPH
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	5/14/15 15:14		TPH
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	5/14/15 15:14		TPH
Dichlorodifluoromethane (Freon 12)	0.36	0.020		1.8	0.099	0.4	5/14/15 15:14		TPH
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	5/14/15 15:14		TPH
1,2-Dichloroethane	ND	0.010		ND	0.040	0.4	5/14/15 15:14		TPH
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	5/14/15 15:14		TPH
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	5/14/15 15:14		TPH
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	5/14/15 15:14		TPH
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	5/14/15 15:14		TPH
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	5/14/15 15:14		TPH
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	5/14/15 15:14		TPH
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	5/14/15 15:14		TPH
Ethylbenzene	0.13	0.020		0.56	0.087	0.4	5/14/15 15:14		TPH
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	5/14/15 15:14		TPH
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	5/14/15 15:14		TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	5/14/15 15:14		TPH
Methylene Chloride	0.40	0.20		1.4	0.69	0.4	5/14/15 15:14		TPH
4-Methyl-2-pentanone (MIBK)	0.11	0.020		0.45	0.082	0.4	5/14/15 15:14		TPH
Styrene	0.052	0.020		0.22	0.085	0.4	5/14/15 15:14		TPH
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	5/14/15 15:14		TPH
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	5/14/15 15:14		TPH

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 4/23/2015
Field Sample #: Cafeteria
Sample ID: 15D1202-02
 Sample Matrix: Indoor air
 Sampled: 4/22/2015 08:48

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2030
 Canister Size: 6 liter
 Flow Controller ID: 4211
 Sample Type: 30 min

Work Order: 15D1202
 Initial Vacuum(in Hg): -29.5
 Final Vacuum(in Hg): -3
 Receipt Vacuum(in Hg): -4
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	0.12	0.010		0.79	0.068	0.4	5/14/15	15:14	TPH
Toluene	1.1	0.020		4.1	0.075	0.4	5/14/15	15:14	TPH
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	5/14/15	15:14	TPH
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	5/14/15	15:14	TPH
Trichloroethylene	0.049	0.010		0.26	0.054	0.4	5/14/15	15:14	TPH
Trichlorofluoromethane (Freon 11)	0.35	0.020		2.0	0.11	0.4	5/14/15	15:14	TPH
1,2,4-Trimethylbenzene	0.10	0.020		0.51	0.098	0.4	5/14/15	15:14	TPH
1,3,5-Trimethylbenzene	0.031	0.020		0.15	0.098	0.4	5/14/15	15:14	TPH
Vinyl Chloride	ND	0.010		ND	0.026	0.4	5/14/15	15:14	TPH
m&p-Xylene	0.44	0.040		1.9	0.17	0.4	5/14/15	15:14	TPH
o-Xylene	0.15	0.020		0.64	0.087	0.4	5/14/15	15:14	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	109	70-130	5/14/15 15:14
4-Bromofluorobenzene (2)	96.0	70-130	5/14/15 15:14

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 4/23/2015
Field Sample #: Kitchen Storage
Sample ID: 15D1202-03
 Sample Matrix: Indoor air
 Sampled: 4/22/2015 08:35

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1448
 Canister Size: 6 liter
 Flow Controller ID: 4210
 Sample Type: 30 min

Work Order: 15D1202
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -1
 Receipt Vacuum(in Hg): -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	6.7	0.80		16	1.9	0.4	5/14/15 16:02		TPH
Acrylonitrile	ND	0.12	L-03	ND	0.25	0.4	5/14/15 16:02		TPH
Benzene	0.30	0.020		0.95	0.064	0.4	5/14/15 16:02		TPH
Bromodichloromethane	ND	0.010		ND	0.067	0.4	5/14/15 16:02		TPH
Bromoform	ND	0.020		ND	0.21	0.4	5/14/15 16:02		TPH
2-Butanone (MEK)	0.87	0.80		2.6	2.4	0.4	5/14/15 16:02		TPH
n-Butylbenzene	ND	0.058		ND	0.32	0.4	5/14/15 16:02		TPH
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	5/14/15 16:02		TPH
Carbon Tetrachloride	0.050	0.010		0.32	0.063	0.4	5/14/15 16:02		TPH
Chlorobenzene	ND	0.020		ND	0.092	0.4	5/14/15 16:02		TPH
Chloroethane	ND	0.020		ND	0.053	0.4	5/14/15 16:02		TPH
Chloroform	0.036	0.010		0.17	0.049	0.4	5/14/15 16:02		TPH
Chloromethane	0.57	0.040		1.2	0.083	0.4	5/14/15 16:02		TPH
Dibromochloromethane	ND	0.010		ND	0.085	0.4	5/14/15 16:02		TPH
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	5/14/15 16:02		TPH
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	5/14/15 16:02		TPH
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	5/14/15 16:02		TPH
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	5/14/15 16:02		TPH
Dichlorodifluoromethane (Freon 12)	0.37	0.020		1.8	0.099	0.4	5/14/15 16:02		TPH
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	5/14/15 16:02		TPH
1,2-Dichloroethane	ND	0.010		ND	0.040	0.4	5/14/15 16:02		TPH
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	5/14/15 16:02		TPH
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	5/14/15 16:02		TPH
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	5/14/15 16:02		TPH
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	5/14/15 16:02		TPH
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	5/14/15 16:02		TPH
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	5/14/15 16:02		TPH
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	5/14/15 16:02		TPH
Ethylbenzene	0.12	0.020		0.52	0.087	0.4	5/14/15 16:02		TPH
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	5/14/15 16:02		TPH
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	5/14/15 16:02		TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	5/14/15 16:02		TPH
Methylene Chloride	0.51	0.20		1.8	0.69	0.4	5/14/15 16:02		TPH
4-Methyl-2-pentanone (MIBK)	0.086	0.020		0.35	0.082	0.4	5/14/15 16:02		TPH
Styrene	0.16	0.020		0.67	0.085	0.4	5/14/15 16:02		TPH
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	5/14/15 16:02		TPH
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	5/14/15 16:02		TPH

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 4/23/2015
Field Sample #: Kitchen Storage
Sample ID: 15D1202-03
 Sample Matrix: Indoor air
 Sampled: 4/22/2015 08:35

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1448
 Canister Size: 6 liter
 Flow Controller ID: 4210
 Sample Type: 30 min

Work Order: 15D1202
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -1
 Receipt Vacuum(in Hg): -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 Analyzed	Analyst
	Results	RL		Results	RL			
Tetrachloroethylene	0.092	0.010		0.62	0.068	0.4	5/14/15 16:02	TPH
Toluene	1.2	0.020		4.5	0.075	0.4	5/14/15 16:02	TPH
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	5/14/15 16:02	TPH
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	5/14/15 16:02	TPH
Trichloroethylene	0.049	0.010		0.26	0.054	0.4	5/14/15 16:02	TPH
Trichlorofluoromethane (Freon 11)	0.31	0.020		1.7	0.11	0.4	5/14/15 16:02	TPH
1,2,4-Trimethylbenzene	0.077	0.020		0.38	0.098	0.4	5/14/15 16:02	TPH
1,3,5-Trimethylbenzene	0.026	0.020		0.13	0.098	0.4	5/14/15 16:02	TPH
Vinyl Chloride	ND	0.010		ND	0.026	0.4	5/14/15 16:02	TPH
m&p-Xylene	0.40	0.040		1.8	0.17	0.4	5/14/15 16:02	TPH
o-Xylene	0.13	0.020		0.56	0.087	0.4	5/14/15 16:02	TPH

Surrogates	% Recovery	% REC Limits	Date/Time Analyzed
4-Bromofluorobenzene (1)	113	70-130	5/14/15 16:02
4-Bromofluorobenzene (2)	98.3	70-130	5/14/15 16:02

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 4/23/2015
Field Sample #: Elevator Hallway
Sample ID: 15D1202-04
 Sample Matrix: Indoor air
 Sampled: 4/22/2015 09:05

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1071
 Canister Size: 6 liter
 Flow Controller ID: 4073
 Sample Type: 30 min

Work Order: 15D1202
 Initial Vacuum(in Hg): -29
 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		Analized		
Acetone	6.4	0.80		15	1.9	0.4	5/14/15 16:54		TPH
Acrylonitrile	ND	0.12	L-03	ND	0.25	0.4	5/14/15 16:54		TPH
Benzene	0.30	0.020		0.95	0.064	0.4	5/14/15 16:54		TPH
Bromodichloromethane	ND	0.010		ND	0.067	0.4	5/14/15 16:54		TPH
Bromoform	ND	0.020		ND	0.21	0.4	5/14/15 16:54		TPH
2-Butanone (MEK)	ND	0.80		ND	2.4	0.4	5/14/15 16:54		TPH
n-Butylbenzene	ND	0.058		ND	0.32	0.4	5/14/15 16:54		TPH
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	5/14/15 16:54		TPH
Carbon Tetrachloride	0.053	0.010		0.33	0.063	0.4	5/14/15 16:54		TPH
Chlorobenzene	ND	0.020		ND	0.092	0.4	5/14/15 16:54		TPH
Chloroethane	ND	0.020		ND	0.053	0.4	5/14/15 16:54		TPH
Chloroform	0.046	0.010		0.22	0.049	0.4	5/14/15 16:54		TPH
Chloromethane	0.66	0.040		1.4	0.083	0.4	5/14/15 16:54		TPH
Dibromochloromethane	ND	0.010		ND	0.085	0.4	5/14/15 16:54		TPH
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	5/14/15 16:54		TPH
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	5/14/15 16:54		TPH
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	5/14/15 16:54		TPH
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	5/14/15 16:54		TPH
Dichlorodifluoromethane (Freon 12)	0.37	0.020		1.8	0.099	0.4	5/14/15 16:54		TPH
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	5/14/15 16:54		TPH
1,2-Dichloroethane	ND	0.010		ND	0.040	0.4	5/14/15 16:54		TPH
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	5/14/15 16:54		TPH
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	5/14/15 16:54		TPH
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	5/14/15 16:54		TPH
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	5/14/15 16:54		TPH
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	5/14/15 16:54		TPH
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	5/14/15 16:54		TPH
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	5/14/15 16:54		TPH
Ethylbenzene	0.11	0.020		0.46	0.087	0.4	5/14/15 16:54		TPH
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	5/14/15 16:54		TPH
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	5/14/15 16:54		TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	5/14/15 16:54		TPH
Methylene Chloride	0.45	0.20		1.5	0.69	0.4	5/14/15 16:54		TPH
4-Methyl-2-pentanone (MIBK)	0.064	0.020		0.26	0.082	0.4	5/14/15 16:54		TPH
Styrene	0.029	0.020		0.12	0.085	0.4	5/14/15 16:54		TPH
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	5/14/15 16:54		TPH
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	5/14/15 16:54		TPH

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 4/23/2015
Field Sample #: Elevator Hallway
Sample ID: 15D1202-04
 Sample Matrix: Indoor air
 Sampled: 4/22/2015 09:05

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1071
 Canister Size: 6 liter
 Flow Controller ID: 4073
 Sample Type: 30 min

Work Order: 15D1202
 Initial Vacuum(in Hg): -29
 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	0.18	0.010		1.2	0.068	0.4	5/14/15	16:54	TPH
Toluene	1.0	0.020		3.9	0.075	0.4	5/14/15	16:54	TPH
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	5/14/15	16:54	TPH
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	5/14/15	16:54	TPH
Trichloroethylene	0.050	0.010		0.27	0.054	0.4	5/14/15	16:54	TPH
Trichlorofluoromethane (Freon 11)	0.32	0.020		1.8	0.11	0.4	5/14/15	16:54	TPH
1,2,4-Trimethylbenzene	0.091	0.020		0.45	0.098	0.4	5/14/15	16:54	TPH
1,3,5-Trimethylbenzene	0.028	0.020		0.14	0.098	0.4	5/14/15	16:54	TPH
Vinyl Chloride	ND	0.010		ND	0.026	0.4	5/14/15	16:54	TPH
m&p-Xylene	0.38	0.040		1.6	0.17	0.4	5/14/15	16:54	TPH
o-Xylene	0.13	0.020		0.56	0.087	0.4	5/14/15	16:54	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	111	70-130	5/14/15 16:54
4-Bromofluorobenzene (2)	97.2	70-130	5/14/15 16:54

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 4/23/2015
Field Sample #: Room 145
Sample ID: 15D1202-05
 Sample Matrix: Indoor air
 Sampled: 4/22/2015 09:41

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1991
 Canister Size: 6 liter
 Flow Controller ID: 4193
 Sample Type: 30 min

Work Order: 15D1202
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -4
 Receipt Vacuum(in Hg): -3.6
 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		
Acetone	14	0.80		34	1.9	0.4	5/14/15 17:45		TPH
Acrylonitrile	ND	0.12	L-03	ND	0.25	0.4	5/14/15 17:45		TPH
Benzene	0.29	0.020		0.93	0.064	0.4	5/14/15 17:45		TPH
Bromodichloromethane	ND	0.010		ND	0.067	0.4	5/14/15 17:45		TPH
Bromoform	ND	0.020		ND	0.21	0.4	5/14/15 17:45		TPH
2-Butanone (MEK)	1.6	0.80		4.6	2.4	0.4	5/14/15 17:45		TPH
n-Butylbenzene	ND	0.058		ND	0.32	0.4	5/14/15 17:45		TPH
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	5/14/15 17:45		TPH
Carbon Tetrachloride	0.058	0.010		0.36	0.063	0.4	5/14/15 17:45		TPH
Chlorobenzene	ND	0.020		ND	0.092	0.4	5/14/15 17:45		TPH
Chloroethane	ND	0.020		ND	0.053	0.4	5/14/15 17:45		TPH
Chloroform	0.036	0.010		0.18	0.049	0.4	5/14/15 17:45		TPH
Chloromethane	1.3	0.040		2.7	0.083	0.4	5/14/15 17:45		TPH
Dibromochloromethane	ND	0.010		ND	0.085	0.4	5/14/15 17:45		TPH
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	5/14/15 17:45		TPH
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	5/14/15 17:45		TPH
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	5/14/15 17:45		TPH
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	5/14/15 17:45		TPH
Dichlorodifluoromethane (Freon 12)	0.38	0.020		1.9	0.099	0.4	5/14/15 17:45		TPH
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	5/14/15 17:45		TPH
1,2-Dichloroethane	0.021	0.010		0.086	0.040	0.4	5/14/15 17:45		TPH
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	5/14/15 17:45		TPH
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	5/14/15 17:45		TPH
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	5/14/15 17:45		TPH
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	5/14/15 17:45		TPH
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	5/14/15 17:45		TPH
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	5/14/15 17:45		TPH
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	5/14/15 17:45		TPH
Ethylbenzene	0.14	0.020		0.61	0.087	0.4	5/14/15 17:45		TPH
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	5/14/15 17:45		TPH
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	5/14/15 17:45		TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	5/14/15 17:45		TPH
Methylene Chloride	0.29	0.20		1.0	0.69	0.4	5/14/15 17:45		TPH
4-Methyl-2-pentanone (MIBK)	0.11	0.020		0.46	0.082	0.4	5/14/15 17:45		TPH
Styrene	0.048	0.020		0.20	0.085	0.4	5/14/15 17:45		TPH
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	5/14/15 17:45		TPH
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	5/14/15 17:45		TPH

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 4/23/2015
Field Sample #: Room 145
Sample ID: 15D1202-05
 Sample Matrix: Indoor air
 Sampled: 4/22/2015 09:41

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1991
 Canister Size: 6 liter
 Flow Controller ID: 4193
 Sample Type: 30 min

Work Order: 15D1202
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -4
 Receipt Vacuum(in Hg): -3.6
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	0.23	0.010		1.5	0.068	0.4	5/14/15 17:45	TPH	
Toluene	1.1	0.020		4.3	0.075	0.4	5/14/15 17:45	TPH	
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	5/14/15 17:45	TPH	
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	5/14/15 17:45	TPH	
Trichloroethylene	0.068	0.010		0.37	0.054	0.4	5/14/15 17:45	TPH	
Trichlorofluoromethane (Freon 11)	0.40	0.020		2.2	0.11	0.4	5/14/15 17:45	TPH	
1,2,4-Trimethylbenzene	0.098	0.020		0.48	0.098	0.4	5/14/15 17:45	TPH	
1,3,5-Trimethylbenzene	0.032	0.020		0.16	0.098	0.4	5/14/15 17:45	TPH	
Vinyl Chloride	ND	0.010		ND	0.026	0.4	5/14/15 17:45	TPH	
m&p-Xylene	0.43	0.040		1.9	0.17	0.4	5/14/15 17:45	TPH	
o-Xylene	0.14	0.020		0.63	0.087	0.4	5/14/15 17:45	TPH	

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	111	70-130	5/14/15 17:45
4-Bromofluorobenzene (2)	98.4	70-130	5/14/15 17:45

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 4/23/2015
Field Sample #: Room 152
Sample ID: 15D1202-06
 Sample Matrix: Indoor air
 Sampled: 4/22/2015 09:44

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1162
 Canister Size: 6 liter
 Flow Controller ID: 4192
 Sample Type: 30 min

Work Order: 15D1202
 Initial Vacuum(in Hg): -28
 Final Vacuum(in Hg): -3.5
 Receipt Vacuum(in Hg): -3.3
 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		Analized		
Acetone	18	0.80		43	1.9	0.4	5/14/15 18:35	TPH	
Acrylonitrile	ND	0.12	L-03	ND	0.25	0.4	5/14/15 18:35	TPH	
Benzene	0.26	0.020		0.83	0.064	0.4	5/14/15 18:35	TPH	
Bromodichloromethane	ND	0.010		ND	0.067	0.4	5/14/15 18:35	TPH	
Bromoform	ND	0.020		ND	0.21	0.4	5/14/15 18:35	TPH	
2-Butanone (MEK)	1.6	0.80		4.8	2.4	0.4	5/14/15 18:35	TPH	
n-Butylbenzene	ND	0.058		ND	0.32	0.4	5/14/15 18:35	TPH	
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	5/14/15 18:35	TPH	
Carbon Tetrachloride	0.047	0.010		0.29	0.063	0.4	5/14/15 18:35	TPH	
Chlorobenzene	ND	0.020		ND	0.092	0.4	5/14/15 18:35	TPH	
Chloroethane	0.023	0.020		0.061	0.053	0.4	5/14/15 18:35	TPH	
Chloroform	0.042	0.010		0.20	0.049	0.4	5/14/15 18:35	TPH	
Chloromethane	1.7	0.040		3.4	0.083	0.4	5/14/15 18:35	TPH	
Dibromochloromethane	ND	0.010		ND	0.085	0.4	5/14/15 18:35	TPH	
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	5/14/15 18:35	TPH	
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	5/14/15 18:35	TPH	
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	5/14/15 18:35	TPH	
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	5/14/15 18:35	TPH	
Dichlorodifluoromethane (Freon 12)	0.34	0.020		1.7	0.099	0.4	5/14/15 18:35	TPH	
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	5/14/15 18:35	TPH	
1,2-Dichloroethane	ND	0.010		ND	0.040	0.4	5/14/15 18:35	TPH	
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	5/14/15 18:35	TPH	
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	5/14/15 18:35	TPH	
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	5/14/15 18:35	TPH	
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	5/14/15 18:35	TPH	
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	5/14/15 18:35	TPH	
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	5/14/15 18:35	TPH	
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	5/14/15 18:35	TPH	
Ethylbenzene	0.14	0.020		0.62	0.087	0.4	5/14/15 18:35	TPH	
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	5/14/15 18:35	TPH	
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	5/14/15 18:35	TPH	
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	5/14/15 18:35	TPH	
Methylene Chloride	0.26	0.20		0.89	0.69	0.4	5/14/15 18:35	TPH	
4-Methyl-2-pentanone (MIBK)	0.21	0.020		0.86	0.082	0.4	5/14/15 18:35	TPH	
Styrene	0.084	0.020		0.36	0.085	0.4	5/14/15 18:35	TPH	
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	5/14/15 18:35	TPH	
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	5/14/15 18:35	TPH	

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 4/23/2015
Field Sample #: Room 152
Sample ID: 15D1202-06
 Sample Matrix: Indoor air
 Sampled: 4/22/2015 09:44

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1162
 Canister Size: 6 liter
 Flow Controller ID: 4192
 Sample Type: 30 min

Work Order: 15D1202
 Initial Vacuum(in Hg): -28
 Final Vacuum(in Hg): -3.5
 Receipt Vacuum(in Hg): -3.3
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	0.19	0.010		1.3	0.068	0.4	5/14/15 18:35		TPH
Toluene	1.2	0.020		4.4	0.075	0.4	5/14/15 18:35		TPH
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	5/14/15 18:35		TPH
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	5/14/15 18:35		TPH
Trichloroethylene	0.054	0.010		0.29	0.054	0.4	5/14/15 18:35		TPH
Trichlorofluoromethane (Freon 11)	0.38	0.020		2.1	0.11	0.4	5/14/15 18:35		TPH
1,2,4-Trimethylbenzene	0.10	0.020		0.51	0.098	0.4	5/14/15 18:35		TPH
1,3,5-Trimethylbenzene	0.028	0.020		0.14	0.098	0.4	5/14/15 18:35		TPH
Vinyl Chloride	ND	0.010		ND	0.026	0.4	5/14/15 18:35		TPH
m&p-Xylene	0.42	0.040		1.8	0.17	0.4	5/14/15 18:35		TPH
o-Xylene	0.14	0.020		0.62	0.087	0.4	5/14/15 18:35		TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	115	70-130	5/14/15 18:35
4-Bromofluorobenzene (2)	103	70-130	5/14/15 18:35

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 4/23/2015
Field Sample #: Room 118
Sample ID: 15D1202-07
 Sample Matrix: Indoor air
 Sampled: 4/22/2015 09:23

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1965
 Canister Size: 6 liter
 Flow Controller ID: 4188
 Sample Type: 30 min

Work Order: 15D1202
 Initial Vacuum(in Hg): -28.5
 Final Vacuum(in Hg): -3.5
 Receipt Vacuum(in Hg): -4.3
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analized		
Acetone	8.2	0.80		20	1.9	0.4	5/14/15 19:26	TPH	
Acrylonitrile	ND	0.12	L-03	ND	0.25	0.4	5/14/15 19:26	TPH	
Benzene	0.36	0.020		1.1	0.064	0.4	5/14/15 19:26	TPH	
Bromodichloromethane	ND	0.010		ND	0.067	0.4	5/14/15 19:26	TPH	
Bromoform	ND	0.020		ND	0.21	0.4	5/14/15 19:26	TPH	
2-Butanone (MEK)	1.3	0.80		3.9	2.4	0.4	5/14/15 19:26	TPH	
n-Butylbenzene	ND	0.058		ND	0.32	0.4	5/14/15 19:26	TPH	
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	5/14/15 19:26	TPH	
Carbon Tetrachloride	0.055	0.010		0.34	0.063	0.4	5/14/15 19:26	TPH	
Chlorobenzene	ND	0.020		ND	0.092	0.4	5/14/15 19:26	TPH	
Chloroethane	ND	0.020		ND	0.053	0.4	5/14/15 19:26	TPH	
Chloroform	0.038	0.010		0.19	0.049	0.4	5/14/15 19:26	TPH	
Chloromethane	0.70	0.040		1.4	0.083	0.4	5/14/15 19:26	TPH	
Dibromochloromethane	ND	0.010		ND	0.085	0.4	5/14/15 19:26	TPH	
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	5/14/15 19:26	TPH	
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	5/14/15 19:26	TPH	
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	5/14/15 19:26	TPH	
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	5/14/15 19:26	TPH	
Dichlorodifluoromethane (Freon 12)	0.35	0.020		1.7	0.099	0.4	5/14/15 19:26	TPH	
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	5/14/15 19:26	TPH	
1,2-Dichloroethane	0.024	0.010		0.096	0.040	0.4	5/14/15 19:26	TPH	
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	5/14/15 19:26	TPH	
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	5/14/15 19:26	TPH	
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	5/14/15 19:26	TPH	
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	5/14/15 19:26	TPH	
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	5/14/15 19:26	TPH	
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	5/14/15 19:26	TPH	
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	5/14/15 19:26	TPH	
Ethylbenzene	0.16	0.020		0.71	0.087	0.4	5/14/15 19:26	TPH	
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	5/14/15 19:26	TPH	
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	5/14/15 19:26	TPH	
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	5/14/15 19:26	TPH	
Methylene Chloride	0.33	0.20		1.2	0.69	0.4	5/14/15 19:26	TPH	
4-Methyl-2-pentanone (MIBK)	0.071	0.020		0.29	0.082	0.4	5/14/15 19:26	TPH	
Styrene	0.044	0.020		0.19	0.085	0.4	5/14/15 19:26	TPH	
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	5/14/15 19:26	TPH	
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	5/14/15 19:26	TPH	

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 4/23/2015
Field Sample #: Room 118
Sample ID: 15D1202-07
 Sample Matrix: Indoor air
 Sampled: 4/22/2015 09:23

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1965
 Canister Size: 6 liter
 Flow Controller ID: 4188
 Sample Type: 30 min

Work Order: 15D1202
 Initial Vacuum(in Hg): -28.5
 Final Vacuum(in Hg): -3.5
 Receipt Vacuum(in Hg): -4.3
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	0.29	0.010		2.0	0.068	0.4	5/14/15	19:26	TPH
Toluene	1.4	0.020		5.2	0.075	0.4	5/14/15	19:26	TPH
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	5/14/15	19:26	TPH
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	5/14/15	19:26	TPH
Trichloroethylene	0.076	0.010		0.41	0.054	0.4	5/14/15	19:26	TPH
Trichlorofluoromethane (Freon 11)	0.33	0.020		1.9	0.11	0.4	5/14/15	19:26	TPH
1,2,4-Trimethylbenzene	0.13	0.020		0.63	0.098	0.4	5/14/15	19:26	TPH
1,3,5-Trimethylbenzene	0.038	0.020		0.19	0.098	0.4	5/14/15	19:26	TPH
Vinyl Chloride	ND	0.010		ND	0.026	0.4	5/14/15	19:26	TPH
m&p-Xylene	0.54	0.040		2.3	0.17	0.4	5/14/15	19:26	TPH
o-Xylene	0.19	0.020		0.81	0.087	0.4	5/14/15	19:26	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	113	70-130	5/14/15 19:26
4-Bromofluorobenzene (2)	99.5	70-130	5/14/15 19:26

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 4/23/2015
Field Sample #: Room 110
Sample ID: 15D1202-08
 Sample Matrix: Indoor air
 Sampled: 4/22/2015 09:33

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2130
 Canister Size: 6 liter
 Flow Controller ID: 4189
 Sample Type: 30 min

Work Order: 15D1202
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -1
 Receipt Vacuum(in Hg): -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	ND	0.80		ND	1.9	0.4	5/14/15 20:15	TPH	
Acrylonitrile	ND	0.12	L-03	ND	0.25	0.4	5/14/15 20:15	TPH	
Benzene	0.24	0.020		0.75	0.064	0.4	5/14/15 20:15	TPH	
Bromodichloromethane	ND	0.010		ND	0.067	0.4	5/14/15 20:15	TPH	
Bromoform	ND	0.020		ND	0.21	0.4	5/14/15 20:15	TPH	
2-Butanone (MEK)	1.1	0.80		3.2	2.4	0.4	5/14/15 20:15	TPH	
n-Butylbenzene	ND	0.058		ND	0.32	0.4	5/14/15 20:15	TPH	
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	5/14/15 20:15	TPH	
Carbon Tetrachloride	0.052	0.010		0.33	0.063	0.4	5/14/15 20:15	TPH	
Chlorobenzene	ND	0.020		ND	0.092	0.4	5/14/15 20:15	TPH	
Chloroethane	ND	0.020		ND	0.053	0.4	5/14/15 20:15	TPH	
Chloroform	0.025	0.010		0.12	0.049	0.4	5/14/15 20:15	TPH	
Chloromethane	0.59	0.040		1.2	0.083	0.4	5/14/15 20:15	TPH	
Dibromochloromethane	ND	0.010		ND	0.085	0.4	5/14/15 20:15	TPH	
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	5/14/15 20:15	TPH	
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	5/14/15 20:15	TPH	
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	5/14/15 20:15	TPH	
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	5/14/15 20:15	TPH	
Dichlorodifluoromethane (Freon 12)	0.34	0.020		1.7	0.099	0.4	5/14/15 20:15	TPH	
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	5/14/15 20:15	TPH	
1,2-Dichloroethane	ND	0.010		ND	0.040	0.4	5/14/15 20:15	TPH	
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	5/14/15 20:15	TPH	
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	5/14/15 20:15	TPH	
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	5/14/15 20:15	TPH	
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	5/14/15 20:15	TPH	
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	5/14/15 20:15	TPH	
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	5/14/15 20:15	TPH	
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	5/14/15 20:15	TPH	
Ethylbenzene	0.097	0.020		0.42	0.087	0.4	5/14/15 20:15	TPH	
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	5/14/15 20:15	TPH	
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	5/14/15 20:15	TPH	
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	5/14/15 20:15	TPH	
Methylene Chloride	0.32	0.20		1.1	0.69	0.4	5/14/15 20:15	TPH	
4-Methyl-2-pentanone (MIBK)	0.064	0.020		0.26	0.082	0.4	5/14/15 20:15	TPH	
Styrene	ND	0.020		ND	0.085	0.4	5/14/15 20:15	TPH	
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	5/14/15 20:15	TPH	
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	5/14/15 20:15	TPH	

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 4/23/2015
Field Sample #: Room 110
Sample ID: 15D1202-08
 Sample Matrix: Indoor air
 Sampled: 4/22/2015 09:33

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2130
 Canister Size: 6 liter
 Flow Controller ID: 4189
 Sample Type: 30 min

Work Order: 15D1202
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -1
 Receipt Vacuum(in Hg): -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 Analyzed	Analyst
	Results	RL		Results	RL			
Tetrachloroethylene	0.12	0.010		0.79	0.068	0.4	5/14/15 20:15	TPH
Toluene	0.81	0.020		3.1	0.075	0.4	5/14/15 20:15	TPH
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	5/14/15 20:15	TPH
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	5/14/15 20:15	TPH
Trichloroethylene	0.031	0.010		0.17	0.054	0.4	5/14/15 20:15	TPH
Trichlorofluoromethane (Freon 11)	0.30	0.020		1.7	0.11	0.4	5/14/15 20:15	TPH
1,2,4-Trimethylbenzene	0.070	0.020		0.35	0.098	0.4	5/14/15 20:15	TPH
1,3,5-Trimethylbenzene	0.020	0.020		0.10	0.098	0.4	5/14/15 20:15	TPH
Vinyl Chloride	ND	0.010		ND	0.026	0.4	5/14/15 20:15	TPH
m&p-Xylene	0.31	0.040		1.4	0.17	0.4	5/14/15 20:15	TPH
o-Xylene	0.11	0.020		0.46	0.087	0.4	5/14/15 20:15	TPH

Surrogates	% Recovery	% REC Limits	Date/Time Analyzed
4-Bromofluorobenzene (1)	108	70-130	5/14/15 20:15
4-Bromofluorobenzene (2)	96.6	70-130	5/14/15 20:15

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 4/23/2015
Field Sample #: IMP-1
Sample ID: 15D1202-09
 Sample Matrix: Sub Slab
 Sampled: 4/22/2015 09:03

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1311
 Canister Size: 6 liter
 Flow Controller ID: 4072
 Sample Type: 30 min

Work Order: 15D1202
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -6
 Receipt Vacuum(in Hg): -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		
Acetone	18	0.80		42	1.9	0.4	5/14/15 23:10		TPH
Acrylonitrile	ND	0.12	L-03	ND	0.25	0.4	5/14/15 23:10		TPH
Benzene	0.26	0.020		0.84	0.064	0.4	5/14/15 23:10		TPH
Bromodichloromethane	ND	0.010		ND	0.067	0.4	5/14/15 23:10		TPH
Bromoform	ND	0.020		ND	0.21	0.4	5/14/15 23:10		TPH
2-Butanone (MEK)	6.3	0.80		19	2.4	0.4	5/14/15 23:10		TPH
n-Butylbenzene	ND	0.058		ND	0.32	0.4	5/14/15 23:10		TPH
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	5/14/15 23:10		TPH
Carbon Tetrachloride	0.052	0.010		0.33	0.063	0.4	5/14/15 23:10		TPH
Chlorobenzene	ND	0.020		ND	0.092	0.4	5/14/15 23:10		TPH
Chloroethane	ND	0.020		ND	0.053	0.4	5/14/15 23:10		TPH
Chloroform	0.036	0.010		0.17	0.049	0.4	5/14/15 23:10		TPH
Chloromethane	0.35	0.040		0.72	0.083	0.4	5/14/15 23:10		TPH
Dibromochloromethane	ND	0.010		ND	0.085	0.4	5/14/15 23:10		TPH
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	5/14/15 23:10		TPH
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	5/14/15 23:10		TPH
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	5/14/15 23:10		TPH
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	5/14/15 23:10		TPH
Dichlorodifluoromethane (Freon 12)	0.36	0.020		1.8	0.099	0.4	5/14/15 23:10		TPH
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	5/14/15 23:10		TPH
1,2-Dichloroethane	ND	0.010		ND	0.040	0.4	5/14/15 23:10		TPH
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	5/14/15 23:10		TPH
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	5/14/15 23:10		TPH
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	5/14/15 23:10		TPH
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	5/14/15 23:10		TPH
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	5/14/15 23:10		TPH
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	5/14/15 23:10		TPH
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	5/14/15 23:10		TPH
Ethylbenzene	0.10	0.020		0.44	0.087	0.4	5/14/15 23:10		TPH
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	5/14/15 23:10		TPH
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	5/14/15 23:10		TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	5/14/15 23:10		TPH
Methylene Chloride	0.30	0.20		1.0	0.69	0.4	5/14/15 23:10		TPH
4-Methyl-2-pentanone (MIBK)	0.21	0.020		0.87	0.082	0.4	5/14/15 23:10		TPH
Styrene	0.38	0.020		1.6	0.085	0.4	5/14/15 23:10		TPH
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	5/14/15 23:10		TPH
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	5/14/15 23:10		TPH

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ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 4/23/2015
Field Sample #: IMP-1
Sample ID: 15D1202-09
 Sample Matrix: Sub Slab
 Sampled: 4/22/2015 09:03

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1311
 Canister Size: 6 liter
 Flow Controller ID: 4072
 Sample Type: 30 min

Work Order: 15D1202
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -6
 Receipt Vacuum(in Hg): -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	0.24	0.010		1.7	0.068	0.4	5/14/15 23:10	TPH
Toluene	0.90	0.020		3.4	0.075	0.4	5/14/15 23:10	TPH
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	5/14/15 23:10	TPH
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	5/14/15 23:10	TPH
Trichloroethylene	0.11	0.010		0.57	0.054	0.4	5/14/15 23:10	TPH
Trichlorofluoromethane (Freon 11)	0.34	0.020		1.9	0.11	0.4	5/14/15 23:10	TPH
1,2,4-Trimethylbenzene	0.068	0.020		0.33	0.098	0.4	5/14/15 23:10	TPH
1,3,5-Trimethylbenzene	ND	0.020		ND	0.098	0.4	5/14/15 23:10	TPH
Vinyl Chloride	ND	0.010		ND	0.026	0.4	5/14/15 23:10	TPH
m&p-Xylene	0.29	0.040		1.3	0.17	0.4	5/14/15 23:10	TPH
o-Xylene	0.088	0.020		0.38	0.087	0.4	5/14/15 23:10	TPH

Surrogates	% Recovery	% REC Limits	Date/Time Analyzed
4-Bromofluorobenzene (1)	113	70-130	5/14/15 23:10
4-Bromofluorobenzene (2)	100	70-130	5/14/15 23:10

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 4/23/2015
Field Sample #: IMP-3
Sample ID: 15D1202-10
 Sample Matrix: Sub Slab
 Sampled: 4/22/2015 09:13

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2133
 Canister Size: 6 liter
 Flow Controller ID: 4184
 Sample Type: 30 min

Work Order: 15D1202
 Initial Vacuum(in Hg): -28.5
 Final Vacuum(in Hg): -8
 Receipt Vacuum(in Hg): -8.5
 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	20	0.92		49	2.2	0.46	5/15/15 0:04		TPH
Acrylonitrile	ND	0.13	L-03	ND	0.29	0.46	5/15/15 0:04		TPH
Benzene	0.29	0.023		0.93	0.073	0.46	5/15/15 0:04		TPH
Bromodichloromethane	ND	0.012		ND	0.077	0.46	5/15/15 0:04		TPH
Bromoform	ND	0.023		ND	0.24	0.46	5/15/15 0:04		TPH
2-Butanone (MEK)	3.5	0.92		10	2.7	0.46	5/15/15 0:04		TPH
n-Butylbenzene	ND	0.066		ND	0.36	0.46	5/15/15 0:04		TPH
sec-Butylbenzene	ND	0.052		ND	0.29	0.46	5/15/15 0:04		TPH
Carbon Tetrachloride	0.052	0.012		0.33	0.072	0.46	5/15/15 0:04		TPH
Chlorobenzene	ND	0.023		ND	0.11	0.46	5/15/15 0:04		TPH
Chloroethane	ND	0.023		ND	0.061	0.46	5/15/15 0:04		TPH
Chloroform	0.034	0.012		0.17	0.056	0.46	5/15/15 0:04		TPH
Chloromethane	0.67	0.046		1.4	0.095	0.46	5/15/15 0:04		TPH
Dibromochloromethane	ND	0.012		ND	0.098	0.46	5/15/15 0:04		TPH
1,2-Dibromoethane (EDB)	ND	0.012		ND	0.088	0.46	5/15/15 0:04		TPH
1,2-Dichlorobenzene	ND	0.023		ND	0.14	0.46	5/15/15 0:04		TPH
1,3-Dichlorobenzene	0.028	0.023		0.17	0.14	0.46	5/15/15 0:04		TPH
1,4-Dichlorobenzene	ND	0.023		ND	0.14	0.46	5/15/15 0:04		TPH
Dichlorodifluoromethane (Freon 12)	0.40	0.023		2.0	0.11	0.46	5/15/15 0:04		TPH
1,1-Dichloroethane	ND	0.012		ND	0.047	0.46	5/15/15 0:04		TPH
1,2-Dichloroethane	ND	0.012		ND	0.047	0.46	5/15/15 0:04		TPH
1,1-Dichloroethylene	ND	0.012		ND	0.046	0.46	5/15/15 0:04		TPH
cis-1,2-Dichloroethylene	ND	0.012		ND	0.046	0.46	5/15/15 0:04		TPH
trans-1,2-Dichloroethylene	ND	0.012		ND	0.046	0.46	5/15/15 0:04		TPH
1,2-Dichloropropane	ND	0.012		ND	0.053	0.46	5/15/15 0:04		TPH
1,3-Dichloropropane	ND	0.062		ND	0.29	0.46	5/15/15 0:04		TPH
cis-1,3-Dichloropropene	ND	0.012		ND	0.052	0.46	5/15/15 0:04		TPH
trans-1,3-Dichloropropene	ND	0.012		ND	0.052	0.46	5/15/15 0:04		TPH
Ethylbenzene	0.12	0.023		0.53	0.100	0.46	5/15/15 0:04		TPH
Isopropylbenzene (Cumene)	ND	0.058		ND	0.29	0.46	5/15/15 0:04		TPH
p-Isopropyltoluene (p-Cymene)	ND	0.052		ND	0.29	0.46	5/15/15 0:04		TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.023		ND	0.083	0.46	5/15/15 0:04		TPH
Methylene Chloride	0.37	0.23		1.3	0.80	0.46	5/15/15 0:04		TPH
4-Methyl-2-pentanone (MIBK)	0.22	0.023		0.88	0.094	0.46	5/15/15 0:04		TPH
Styrene	0.19	0.023		0.80	0.098	0.46	5/15/15 0:04		TPH
1,1,1,2-Tetrachloroethane	ND	0.042		ND	0.29	0.46	5/15/15 0:04		TPH
1,1,2,2-Tetrachloroethane	ND	0.012		ND	0.079	0.46	5/15/15 0:04		TPH

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 4/23/2015
Field Sample #: IMP-3
Sample ID: 15D1202-10
 Sample Matrix: Sub Slab
 Sampled: 4/22/2015 09:13

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2133
 Canister Size: 6 liter
 Flow Controller ID: 4184
 Sample Type: 30 min

Work Order: 15D1202
 Initial Vacuum(in Hg): -28.5
 Final Vacuum(in Hg): -8
 Receipt Vacuum(in Hg): -8.5
 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	0.22	0.012		1.5	0.078	0.46	5/15/15	0:04	TPH
Toluene	1.1	0.023		4.3	0.087	0.46	5/15/15	0:04	TPH
1,1,1-Trichloroethane	ND	0.012		ND	0.063	0.46	5/15/15	0:04	TPH
1,1,2-Trichloroethane	ND	0.012		ND	0.063	0.46	5/15/15	0:04	TPH
Trichloroethylene	0.67	0.012		3.6	0.062	0.46	5/15/15	0:04	TPH
Trichlorofluoromethane (Freon 11)	0.60	0.023		3.4	0.13	0.46	5/15/15	0:04	TPH
1,2,4-Trimethylbenzene	0.088	0.023		0.43	0.11	0.46	5/15/15	0:04	TPH
1,3,5-Trimethylbenzene	0.023	0.023		0.12	0.11	0.46	5/15/15	0:04	TPH
Vinyl Chloride	ND	0.012		ND	0.029	0.46	5/15/15	0:04	TPH
m&p-Xylene	0.38	0.046		1.6	0.20	0.46	5/15/15	0:04	TPH
o-Xylene	0.13	0.023		0.54	0.100	0.46	5/15/15	0:04	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	113	70-130	5/15/15 0:04
4-Bromofluorobenzene (2)	100	70-130	5/15/15 0:04

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 4/23/2015
Field Sample #: MP-2
Sample ID: 15D1202-11
 Sample Matrix: Soil Gas
 Sampled: 4/22/2015 12:00

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1981
 Canister Size: 6 liter
 Flow Controller ID: 4076
 Sample Type: 30 min

Work Order: 15D1202
 Initial Vacuum(in Hg): -28
 Final Vacuum(in Hg): -6
 Receipt Vacuum(in Hg): -7
 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	10	1.2	L-03, V-05	24	2.9	0.6	5/16/15	4:22	TPH
Acetone	37	0.82	V-30	87	1.9	0.41	5/15/15	0:59	TPH
Acrylonitrile	ND	0.17		ND	0.37	0.6	5/16/15	4:22	TPH
Acrylonitrile	ND	0.12	L-03	ND	0.26	0.41	5/15/15	0:59	TPH
Benzene	0.16	0.030		0.51	0.096	0.6	5/16/15	4:22	TPH
Benzene	0.15	0.020		0.48	0.065	0.41	5/15/15	0:59	TPH
Bromodichloromethane	ND	0.015		ND	0.10	0.6	5/16/15	4:22	TPH
Bromodichloromethane	ND	0.010		ND	0.069	0.41	5/15/15	0:59	TPH
Bromoform	ND	0.030		ND	0.31	0.6	5/16/15	4:22	TPH
Bromoform	ND	0.020		ND	0.21	0.41	5/15/15	0:59	TPH
2-Butanone (MEK)	5.6	1.2		17	3.5	0.6	5/16/15	4:22	TPH
2-Butanone (MEK)	5.8	0.82	V-30	17	2.4	0.41	5/15/15	0:59	TPH
n-Butylbenzene	ND	0.086		ND	0.47	0.6	5/16/15	4:22	TPH
n-Butylbenzene	ND	0.059		ND	0.32	0.41	5/15/15	0:59	TPH
sec-Butylbenzene	ND	0.068		ND	0.38	0.6	5/16/15	4:22	TPH
sec-Butylbenzene	ND	0.047		ND	0.26	0.41	5/15/15	0:59	TPH
Carbon Tetrachloride	0.054	0.015		0.34	0.094	0.6	5/16/15	4:22	TPH
Carbon Tetrachloride	0.044	0.010		0.28	0.064	0.41	5/15/15	0:59	TPH
Chlorobenzene	ND	0.030		ND	0.14	0.6	5/16/15	4:22	TPH
Chlorobenzene	ND	0.020		ND	0.094	0.41	5/15/15	0:59	TPH
Chloroethane	ND	0.030		ND	0.079	0.6	5/16/15	4:22	TPH
Chloroethane	0.076	0.020	V-30	0.20	0.054	0.41	5/15/15	0:59	TPH
Chloroform	ND	0.015		ND	0.073	0.6	5/16/15	4:22	TPH
Chloroform	0.034	0.010	V-30	0.17	0.050	0.41	5/15/15	0:59	TPH
Chloromethane	ND	0.060		ND	0.12	0.6	5/16/15	4:22	TPH
Chloromethane	ND	0.041	V-30	ND	0.085	0.41	5/15/15	0:59	TPH
Dibromochloromethane	ND	0.015		ND	0.13	0.6	5/16/15	4:22	TPH
Dibromochloromethane	ND	0.010		ND	0.087	0.41	5/15/15	0:59	TPH
1,2-Dibromoethane (EDB)	ND	0.015		ND	0.12	0.6	5/16/15	4:22	TPH
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.079	0.41	5/15/15	0:59	TPH
1,2-Dichlorobenzene	ND	0.030		ND	0.18	0.6	5/16/15	4:22	TPH
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.41	5/15/15	0:59	TPH
1,3-Dichlorobenzene	ND	0.030		ND	0.18	0.6	5/16/15	4:22	TPH
1,3-Dichlorobenzene	0.021	0.020		0.13	0.12	0.41	5/15/15	0:59	TPH
1,4-Dichlorobenzene	ND	0.030		ND	0.18	0.6	5/16/15	4:22	TPH
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.41	5/15/15	0:59	TPH
Dichlorodifluoromethane (Freon 12)	0.34	0.030		1.7	0.15	0.6	5/16/15	4:22	TPH

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 4/23/2015
Field Sample #: MP-2
Sample ID: 15D1202-11
 Sample Matrix: Soil Gas
 Sampled: 4/22/2015 12:00

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1981
 Canister Size: 6 liter
 Flow Controller ID: 4076
 Sample Type: 30 min

Work Order: 15D1202
 Initial Vacuum(in Hg): -28
 Final Vacuum(in Hg): -6
 Receipt Vacuum(in Hg): -7
 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		
Dichlorodifluoromethane (Freon 12)	0.80	0.020	V-30	4.0	0.10	0.41	5/15/15	0:59	TPH
1,1-Dichloroethane	ND	0.015		ND	0.061	0.6	5/16/15	4:22	TPH
1,1-Dichloroethane	ND	0.010	V-30	ND	0.041	0.41	5/15/15	0:59	TPH
1,2-Dichloroethane	ND	0.015		ND	0.061	0.6	5/16/15	4:22	TPH
1,2-Dichloroethane	0.041	0.010	V-30	0.17	0.041	0.41	5/15/15	0:59	TPH
1,1-Dichloroethylene	ND	0.015		ND	0.059	0.6	5/16/15	4:22	TPH
1,1-Dichloroethylene	ND	0.010	V-30	ND	0.041	0.41	5/15/15	0:59	TPH
cis-1,2-Dichloroethylene	ND	0.015		ND	0.059	0.6	5/16/15	4:22	TPH
cis-1,2-Dichloroethylene	ND	0.010	V-30	ND	0.041	0.41	5/15/15	0:59	TPH
trans-1,2-Dichloroethylene	ND	0.015		ND	0.059	0.6	5/16/15	4:22	TPH
trans-1,2-Dichloroethylene	ND	0.010	V-30	ND	0.041	0.41	5/15/15	0:59	TPH
1,2-Dichloropropane	ND	0.015		ND	0.069	0.6	5/16/15	4:22	TPH
1,2-Dichloropropane	ND	0.010		ND	0.047	0.41	5/15/15	0:59	TPH
1,3-Dichloropropane	ND	0.081		ND	0.37	0.6	5/16/15	4:22	TPH
1,3-Dichloropropane	ND	0.055		ND	0.26	0.41	5/15/15	0:59	TPH
cis-1,3-Dichloropropene	ND	0.015		ND	0.068	0.6	5/16/15	4:22	TPH
cis-1,3-Dichloropropene	ND	0.010		ND	0.047	0.41	5/15/15	0:59	TPH
trans-1,3-Dichloropropene	ND	0.015		ND	0.068	0.6	5/16/15	4:22	TPH
trans-1,3-Dichloropropene	ND	0.010		ND	0.047	0.41	5/15/15	0:59	TPH
Ethylbenzene	0.052	0.030		0.23	0.13	0.6	5/16/15	4:22	TPH
Ethylbenzene	0.052	0.020		0.22	0.089	0.41	5/15/15	0:59	TPH
Isopropylbenzene (Cumene)	ND	0.076		ND	0.37	0.6	5/16/15	4:22	TPH
Isopropylbenzene (Cumene)	ND	0.052		ND	0.26	0.41	5/15/15	0:59	TPH
p-Isopropyltoluene (p-Cymene)	ND	0.068		ND	0.38	0.6	5/16/15	4:22	TPH
p-Isopropyltoluene (p-Cymene)	ND	0.047		ND	0.26	0.41	5/15/15	0:59	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.020	V-30	ND	0.074	0.41	5/15/15	0:59	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.030		ND	0.11	0.6	5/16/15	4:22	TPH
Methylene Chloride	ND	0.30		ND	1.0	0.6	5/16/15	4:22	TPH
Methylene Chloride	0.25	0.20	V-30	0.85	0.71	0.41	5/15/15	0:59	TPH
4-Methyl-2-pentanone (MIBK)	0.14	0.030		0.58	0.12	0.6	5/16/15	4:22	TPH
4-Methyl-2-pentanone (MIBK)	0.14	0.020		0.57	0.084	0.41	5/15/15	0:59	TPH
Styrene	ND	0.030		ND	0.13	0.6	5/16/15	4:22	TPH
Styrene	0.023	0.020		0.098	0.087	0.41	5/15/15	0:59	TPH
1,1,1,2-Tetrachloroethane	ND	0.055		ND	0.37	0.6	5/16/15	4:22	TPH
1,1,1,2-Tetrachloroethane	ND	0.037		ND	0.26	0.41	5/15/15	0:59	TPH
1,1,2,2-Tetrachloroethane	ND	0.015		ND	0.10	0.6	5/16/15	4:22	TPH
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.070	0.41	5/15/15	0:59	TPH

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 4/23/2015
Field Sample #: MP-2
Sample ID: 15D1202-11
 Sample Matrix: Soil Gas
 Sampled: 4/22/2015 12:00

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1981
 Canister Size: 6 liter
 Flow Controller ID: 4076
 Sample Type: 30 min

Work Order: 15D1202
 Initial Vacuum(in Hg): -28
 Final Vacuum(in Hg): -6
 Receipt Vacuum(in Hg): -7
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	0.77	0.015		5.2	0.10	0.6	5/16/15	4:22	TPH
Tetrachloroethylene	0.78	0.010		5.3	0.070	0.41	5/15/15	0:59	TPH
Toluene	0.24	0.030		0.89	0.11	0.6	5/16/15	4:22	TPH
Toluene	0.25	0.020		0.95	0.077	0.41	5/15/15	0:59	TPH
1,1,1-Trichloroethane	ND	0.015		ND	0.082	0.6	5/16/15	4:22	TPH
1,1,1-Trichloroethane	ND	0.010		ND	0.056	0.41	5/15/15	0:59	TPH
1,1,2-Trichloroethane	ND	0.015		ND	0.082	0.6	5/16/15	4:22	TPH
1,1,2-Trichloroethane	ND	0.010		ND	0.056	0.41	5/15/15	0:59	TPH
Trichloroethylene	0.18	0.015		0.97	0.081	0.6	5/16/15	4:22	TPH
Trichloroethylene	0.18	0.010		0.96	0.055	0.41	5/15/15	0:59	TPH
Trichlorofluoromethane (Freon 11)	0.41	0.030		2.3	0.17	0.6	5/16/15	4:22	TPH
Trichlorofluoromethane (Freon 11)	1.4	0.020	V-30	7.8	0.12	0.41	5/15/15	0:59	TPH
1,2,4-Trimethylbenzene	0.051	0.030		0.25	0.15	0.6	5/16/15	4:22	TPH
1,2,4-Trimethylbenzene	0.054	0.020		0.27	0.10	0.41	5/15/15	0:59	TPH
1,3,5-Trimethylbenzene	ND	0.030		ND	0.15	0.6	5/16/15	4:22	TPH
1,3,5-Trimethylbenzene	ND	0.020		ND	0.10	0.41	5/15/15	0:59	TPH
Vinyl Chloride	ND	0.015		ND	0.038	0.6	5/16/15	4:22	TPH
Vinyl Chloride	0.027	0.010	V-30	0.069	0.026	0.41	5/15/15	0:59	TPH
m&p-Xylene	0.16	0.060		0.70	0.26	0.6	5/16/15	4:22	TPH
m&p-Xylene	0.16	0.041		0.71	0.18	0.41	5/15/15	0:59	TPH
o-Xylene	0.058	0.030		0.25	0.13	0.6	5/16/15	4:22	TPH
o-Xylene	0.061	0.020		0.26	0.089	0.41	5/15/15	0:59	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	117	70-130	5/16/15 4:22
4-Bromofluorobenzene (1)	111	70-130	5/15/15 0:59
4-Bromofluorobenzene (2)	105	70-130	5/16/15 4:22
4-Bromofluorobenzene (2)	95.4	70-130	5/15/15 0:59

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 4/23/2015
Field Sample #: MP-5
Sample ID: 15D1202-12
 Sample Matrix: Soil Gas
 Sampled: 4/22/2015 11:07

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2187
 Canister Size: 6 liter
 Flow Controller ID: 4090
 Sample Type: 30 min

Work Order: 15D1202
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -4
 Receipt Vacuum(in Hg): -4.6
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv			ug/m3		Dilution	Date/Time		Analyst
	Results	RL	Flag/Qual	Results	RL		Analized		
Acetone	11	1.2	L-03, V-05	26	2.9	0.6	5/16/15	5:09	TPH
Acetone	ND	0.80	V-30	ND	1.9	0.4	5/15/15	1:50	TPH
Acrylonitrile	ND	0.17		ND	0.37	0.6	5/16/15	5:09	TPH
Acrylonitrile	ND	0.12	L-03	ND	0.25	0.4	5/15/15	1:50	TPH
Benzene	0.10	0.030		0.33	0.096	0.6	5/16/15	5:09	TPH
Benzene	0.11	0.020		0.35	0.064	0.4	5/15/15	1:50	TPH
Bromodichloromethane	ND	0.015		ND	0.10	0.6	5/16/15	5:09	TPH
Bromodichloromethane	ND	0.010		ND	0.067	0.4	5/15/15	1:50	TPH
Bromoform	ND	0.030		ND	0.31	0.6	5/16/15	5:09	TPH
Bromoform	ND	0.020		ND	0.21	0.4	5/15/15	1:50	TPH
2-Butanone (MEK)	7.7	1.2		23	3.5	0.6	5/16/15	5:09	TPH
2-Butanone (MEK)	7.7	0.80	V-30	23	2.4	0.4	5/15/15	1:50	TPH
n-Butylbenzene	ND	0.086		ND	0.47	0.6	5/16/15	5:09	TPH
n-Butylbenzene	ND	0.058		ND	0.32	0.4	5/15/15	1:50	TPH
sec-Butylbenzene	ND	0.068		ND	0.38	0.6	5/16/15	5:09	TPH
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	5/15/15	1:50	TPH
Carbon Tetrachloride	0.047	0.015		0.29	0.094	0.6	5/16/15	5:09	TPH
Carbon Tetrachloride	0.046	0.010		0.29	0.063	0.4	5/15/15	1:50	TPH
Chlorobenzene	ND	0.030		ND	0.14	0.6	5/16/15	5:09	TPH
Chlorobenzene	ND	0.020		ND	0.092	0.4	5/15/15	1:50	TPH
Chloroethane	ND	0.030		ND	0.079	0.6	5/16/15	5:09	TPH
Chloroethane	0.071	0.020	V-30	0.19	0.053	0.4	5/15/15	1:50	TPH
Chloroform	0.032	0.015		0.16	0.073	0.6	5/16/15	5:09	TPH
Chloroform	0.042	0.010	V-30	0.21	0.049	0.4	5/15/15	1:50	TPH
Chloromethane	ND	0.060		ND	0.12	0.6	5/16/15	5:09	TPH
Chloromethane	ND	0.040	V-30	ND	0.083	0.4	5/15/15	1:50	TPH
Dibromochloromethane	ND	0.015		ND	0.13	0.6	5/16/15	5:09	TPH
Dibromochloromethane	ND	0.010		ND	0.085	0.4	5/15/15	1:50	TPH
1,2-Dibromoethane (EDB)	ND	0.015		ND	0.12	0.6	5/16/15	5:09	TPH
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	5/15/15	1:50	TPH
1,2-Dichlorobenzene	ND	0.030		ND	0.18	0.6	5/16/15	5:09	TPH
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	5/15/15	1:50	TPH
1,3-Dichlorobenzene	0.064	0.030		0.39	0.18	0.6	5/16/15	5:09	TPH
1,3-Dichlorobenzene	0.060	0.020		0.36	0.12	0.4	5/15/15	1:50	TPH
1,4-Dichlorobenzene	ND	0.030		ND	0.18	0.6	5/16/15	5:09	TPH
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	5/15/15	1:50	TPH
Dichlorodifluoromethane (Freon 12)	0.32	0.030		1.6	0.15	0.6	5/16/15	5:09	TPH

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 4/23/2015
Field Sample #: MP-5
Sample ID: 15D1202-12
 Sample Matrix: Soil Gas
 Sampled: 4/22/2015 11:07

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2187
 Canister Size: 6 liter
 Flow Controller ID: 4090
 Sample Type: 30 min

Work Order: 15D1202
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -4
 Receipt Vacuum(in Hg): -4.6
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv			ug/m3		Dilution	Date/Time		Analyst
	Results	RL	Flag/Qual	Results	RL		Analized		
Dichlorodifluoromethane (Freon 12)	0.84	0.020	V-30	4.1	0.099	0.4	5/15/15	1:50	TPH
1,1-Dichloroethane	ND	0.015		ND	0.061	0.6	5/16/15	5:09	TPH
1,1-Dichloroethane	ND	0.010	V-30	ND	0.040	0.4	5/15/15	1:50	TPH
1,2-Dichloroethane	ND	0.015		ND	0.061	0.6	5/16/15	5:09	TPH
1,2-Dichloroethane	0.022	0.010	V-30	0.087	0.040	0.4	5/15/15	1:50	TPH
1,1-Dichloroethylene	ND	0.015		ND	0.059	0.6	5/16/15	5:09	TPH
1,1-Dichloroethylene	ND	0.010	V-30	ND	0.040	0.4	5/15/15	1:50	TPH
cis-1,2-Dichloroethylene	ND	0.015		ND	0.059	0.6	5/16/15	5:09	TPH
cis-1,2-Dichloroethylene	ND	0.010	V-30	ND	0.040	0.4	5/15/15	1:50	TPH
trans-1,2-Dichloroethylene	ND	0.015		ND	0.059	0.6	5/16/15	5:09	TPH
trans-1,2-Dichloroethylene	ND	0.010	V-30	ND	0.040	0.4	5/15/15	1:50	TPH
1,2-Dichloropropane	ND	0.015		ND	0.069	0.6	5/16/15	5:09	TPH
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	5/15/15	1:50	TPH
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	5/15/15	1:50	TPH
1,3-Dichloropropane	ND	0.081		ND	0.37	0.6	5/16/15	5:09	TPH
cis-1,3-Dichloropropene	ND	0.015		ND	0.068	0.6	5/16/15	5:09	TPH
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	5/15/15	1:50	TPH
trans-1,3-Dichloropropene	ND	0.015		ND	0.068	0.6	5/16/15	5:09	TPH
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	5/15/15	1:50	TPH
Ethylbenzene	ND	0.030		ND	0.13	0.6	5/16/15	5:09	TPH
Ethylbenzene	0.028	0.020		0.12	0.087	0.4	5/15/15	1:50	TPH
Isopropylbenzene (Cumene)	ND	0.076		ND	0.37	0.6	5/16/15	5:09	TPH
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	5/15/15	1:50	TPH
p-Isopropyltoluene (p-Cymene)	ND	0.068		ND	0.38	0.6	5/16/15	5:09	TPH
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	5/15/15	1:50	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.030		ND	0.11	0.6	5/16/15	5:09	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.020	V-30	ND	0.072	0.4	5/15/15	1:50	TPH
Methylene Chloride	ND	0.30		ND	1.0	0.6	5/16/15	5:09	TPH
Methylene Chloride	0.29	0.20	V-30	1.00	0.69	0.4	5/15/15	1:50	TPH
4-Methyl-2-pentanone (MIBK)	0.078	0.030		0.32	0.12	0.6	5/16/15	5:09	TPH
4-Methyl-2-pentanone (MIBK)	0.082	0.020		0.34	0.082	0.4	5/15/15	1:50	TPH
Styrene	ND	0.030		ND	0.13	0.6	5/16/15	5:09	TPH
Styrene	ND	0.020		ND	0.085	0.4	5/15/15	1:50	TPH
1,1,1,2-Tetrachloroethane	ND	0.055		ND	0.37	0.6	5/16/15	5:09	TPH
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	5/15/15	1:50	TPH
1,1,2,2-Tetrachloroethane	ND	0.015		ND	0.10	0.6	5/16/15	5:09	TPH
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	5/15/15	1:50	TPH

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 4/23/2015
Field Sample #: MP-5
Sample ID: 15D1202-12
 Sample Matrix: Soil Gas
 Sampled: 4/22/2015 11:07

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2187
 Canister Size: 6 liter
 Flow Controller ID: 4090
 Sample Type: 30 min

Work Order: 15D1202
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -4
 Receipt Vacuum(in Hg): -4.6
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	0.40	0.015		2.7	0.10	0.6	5/16/15	5:09	TPH
Tetrachloroethylene	0.38	0.010		2.6	0.068	0.4	5/15/15	1:50	TPH
Toluene	0.15	0.030		0.58	0.11	0.6	5/16/15	5:09	TPH
Toluene	0.16	0.020		0.59	0.075	0.4	5/15/15	1:50	TPH
1,1,1-Trichloroethane	ND	0.015		ND	0.082	0.6	5/16/15	5:09	TPH
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	5/15/15	1:50	TPH
1,1,2-Trichloroethane	ND	0.015		ND	0.082	0.6	5/16/15	5:09	TPH
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	5/15/15	1:50	TPH
Trichloroethylene	6.0	0.015		32	0.081	0.6	5/16/15	5:09	TPH
Trichloroethylene	6.5	0.010		35	0.054	0.4	5/15/15	1:50	TPH
Trichlorofluoromethane (Freon 11)	1.0	0.030		5.6	0.17	0.6	5/16/15	5:09	TPH
Trichlorofluoromethane (Freon 11)	2.6	0.020	V-30	15	0.11	0.4	5/15/15	1:50	TPH
1,2,4-Trimethylbenzene	0.033	0.030		0.16	0.15	0.6	5/16/15	5:09	TPH
1,2,4-Trimethylbenzene	0.034	0.020		0.17	0.098	0.4	5/15/15	1:50	TPH
1,3,5-Trimethylbenzene	ND	0.030		ND	0.15	0.6	5/16/15	5:09	TPH
1,3,5-Trimethylbenzene	ND	0.020		ND	0.098	0.4	5/15/15	1:50	TPH
Vinyl Chloride	ND	0.015		ND	0.038	0.6	5/16/15	5:09	TPH
Vinyl Chloride	0.024	0.010	V-30	0.060	0.026	0.4	5/15/15	1:50	TPH
m&p-Xylene	0.094	0.060		0.41	0.26	0.6	5/16/15	5:09	TPH
m&p-Xylene	0.093	0.040		0.40	0.17	0.4	5/15/15	1:50	TPH
o-Xylene	ND	0.030		ND	0.13	0.6	5/16/15	5:09	TPH
o-Xylene	0.029	0.020		0.13	0.087	0.4	5/15/15	1:50	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	116	70-130	5/16/15 5:09
4-Bromofluorobenzene (1)	110	70-130	5/15/15 1:50
4-Bromofluorobenzene (2)	104	70-130	5/16/15 5:09
4-Bromofluorobenzene (2)	93.9	70-130	5/15/15 1:50

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 4/23/2015
Field Sample #: MP-7
Sample ID: 15D1202-13
 Sample Matrix: Soil Gas
 Sampled: 4/22/2015 11:03

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2206
 Canister Size: 6 liter
 Flow Controller ID: 4077
 Sample Type: 30 min

Work Order: 15D1202
 Initial Vacuum(in Hg): -27.5
 Final Vacuum(in Hg): -3
 Receipt Vacuum(in Hg): -5.6
 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	18	0.80		43	1.9	0.4	5/15/15 2:44	TPH	
Acrylonitrile	ND	0.12	L-03	ND	0.25	0.4	5/15/15 2:44	TPH	
Benzene	0.14	0.020		0.46	0.064	0.4	5/15/15 2:44	TPH	
Bromodichloromethane	ND	0.010		ND	0.067	0.4	5/15/15 2:44	TPH	
Bromoform	ND	0.020		ND	0.21	0.4	5/15/15 2:44	TPH	
2-Butanone (MEK)	3.9	0.80		11	2.4	0.4	5/15/15 2:44	TPH	
n-Butylbenzene	ND	0.058		ND	0.32	0.4	5/15/15 2:44	TPH	
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	5/15/15 2:44	TPH	
Carbon Tetrachloride	0.055	0.010		0.34	0.063	0.4	5/15/15 2:44	TPH	
Chlorobenzene	ND	0.020		ND	0.092	0.4	5/15/15 2:44	TPH	
Chloroethane	0.060	0.020		0.16	0.053	0.4	5/15/15 2:44	TPH	
Chloroform	0.026	0.010		0.13	0.049	0.4	5/15/15 2:44	TPH	
Chloromethane	ND	0.040		ND	0.083	0.4	5/15/15 2:44	TPH	
Dibromochloromethane	ND	0.010		ND	0.085	0.4	5/15/15 2:44	TPH	
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	5/15/15 2:44	TPH	
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	5/15/15 2:44	TPH	
1,3-Dichlorobenzene	0.24	0.020		1.5	0.12	0.4	5/15/15 2:44	TPH	
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	5/15/15 2:44	TPH	
Dichlorodifluoromethane (Freon 12)	0.36	0.020		1.8	0.099	0.4	5/15/15 2:44	TPH	
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	5/15/15 2:44	TPH	
1,2-Dichloroethane	ND	0.010		ND	0.040	0.4	5/15/15 2:44	TPH	
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	5/15/15 2:44	TPH	
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	5/15/15 2:44	TPH	
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	5/15/15 2:44	TPH	
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	5/15/15 2:44	TPH	
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	5/15/15 2:44	TPH	
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	5/15/15 2:44	TPH	
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	5/15/15 2:44	TPH	
Ethylbenzene	0.059	0.020		0.26	0.087	0.4	5/15/15 2:44	TPH	
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	5/15/15 2:44	TPH	
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	5/15/15 2:44	TPH	
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	5/15/15 2:44	TPH	
Methylene Chloride	0.21	0.20		0.73	0.69	0.4	5/15/15 2:44	TPH	
4-Methyl-2-pentanone (MIBK)	0.21	0.020		0.85	0.082	0.4	5/15/15 2:44	TPH	
Styrene	0.023	0.020		0.099	0.085	0.4	5/15/15 2:44	TPH	
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	5/15/15 2:44	TPH	
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	5/15/15 2:44	TPH	

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 4/23/2015
Field Sample #: MP-7
Sample ID: 15D1202-13
 Sample Matrix: Soil Gas
 Sampled: 4/22/2015 11:03

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 2206
 Canister Size: 6 liter
 Flow Controller ID: 4077
 Sample Type: 30 min

Work Order: 15D1202
 Initial Vacuum(in Hg): -27.5
 Final Vacuum(in Hg): -3
 Receipt Vacuum(in Hg): -5.6
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	0.13	0.010		0.85	0.068	0.4	5/15/15	2:44	TPH
Toluene	0.32	0.020		1.2	0.075	0.4	5/15/15	2:44	TPH
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	5/15/15	2:44	TPH
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	5/15/15	2:44	TPH
Trichloroethylene	0.15	0.010		0.80	0.054	0.4	5/15/15	2:44	TPH
Trichlorofluoromethane (Freon 11)	0.63	0.020		3.5	0.11	0.4	5/15/15	2:44	TPH
1,2,4-Trimethylbenzene	0.049	0.020		0.24	0.098	0.4	5/15/15	2:44	TPH
1,3,5-Trimethylbenzene	ND	0.020		ND	0.098	0.4	5/15/15	2:44	TPH
Vinyl Chloride	ND	0.010		ND	0.026	0.4	5/15/15	2:44	TPH
m&p-Xylene	0.19	0.040		0.80	0.17	0.4	5/15/15	2:44	TPH
o-Xylene	0.058	0.020		0.25	0.087	0.4	5/15/15	2:44	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	115	70-130	5/15/15 2:44
4-Bromofluorobenzene (2)	104	70-130	5/15/15 2:44

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 4/23/2015
Field Sample #: MP-8
Sample ID: 15D1202-14
 Sample Matrix: Soil Gas
 Sampled: 4/22/2015 10:55

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1998
 Canister Size: 6 liter
 Flow Controller ID: 4101
 Sample Type: 30 min

Work Order: 15D1202
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -10
 Receipt Vacuum(in Hg): -11.3
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	23	1.6	L-03, V-05	55	3.8	0.8	5/16/15	5:56	TPH
Acetone	29	1.2		68	2.8	0.58	5/15/15	3:38	TPH
Acrylonitrile	ND	0.23		ND	0.50	0.8	5/16/15	5:56	TPH
Acrylonitrile	ND	0.17	L-03	ND	0.36	0.58	5/15/15	3:38	TPH
Benzene	0.18	0.040		0.57	0.13	0.8	5/16/15	5:56	TPH
Benzene	0.19	0.029		0.60	0.093	0.58	5/15/15	3:38	TPH
Bromodichloromethane	ND	0.020		ND	0.13	0.8	5/16/15	5:56	TPH
Bromodichloromethane	ND	0.014		ND	0.097	0.58	5/15/15	3:38	TPH
Bromoform	ND	0.040		ND	0.41	0.8	5/16/15	5:56	TPH
Bromoform	ND	0.029		ND	0.30	0.58	5/15/15	3:38	TPH
2-Butanone (MEK)	3.9	1.6		11	4.7	0.8	5/16/15	5:56	TPH
2-Butanone (MEK)	3.8	1.2		11	3.4	0.58	5/15/15	3:38	TPH
n-Butylbenzene	ND	0.12		ND	0.63	0.8	5/16/15	5:56	TPH
n-Butylbenzene	ND	0.084		ND	0.46	0.58	5/15/15	3:38	TPH
sec-Butylbenzene	ND	0.091		ND	0.50	0.8	5/16/15	5:56	TPH
sec-Butylbenzene	ND	0.066		ND	0.36	0.58	5/15/15	3:38	TPH
Carbon Tetrachloride	0.054	0.020		0.34	0.13	0.8	5/16/15	5:56	TPH
Carbon Tetrachloride	0.057	0.014		0.36	0.091	0.58	5/15/15	3:38	TPH
Chlorobenzene	ND	0.040		ND	0.18	0.8	5/16/15	5:56	TPH
Chlorobenzene	ND	0.029		ND	0.13	0.58	5/15/15	3:38	TPH
Chloroethane	ND	0.040		ND	0.11	0.8	5/16/15	5:56	TPH
Chloroethane	ND	0.029		ND	0.077	0.58	5/15/15	3:38	TPH
Chloroform	ND	0.020		ND	0.098	0.8	5/16/15	5:56	TPH
Chloroform	ND	0.014		ND	0.071	0.58	5/15/15	3:38	TPH
Chloromethane	0.85	0.080		1.7	0.17	0.8	5/16/15	5:56	TPH
Chloromethane	0.79	0.058		1.6	0.12	0.58	5/15/15	3:38	TPH
Dibromochloromethane	ND	0.020		ND	0.17	0.8	5/16/15	5:56	TPH
Dibromochloromethane	ND	0.014		ND	0.12	0.58	5/15/15	3:38	TPH
1,2-Dibromoethane (EDB)	ND	0.020		ND	0.15	0.8	5/16/15	5:56	TPH
1,2-Dibromoethane (EDB)	ND	0.014		ND	0.11	0.58	5/15/15	3:38	TPH
1,2-Dichlorobenzene	ND	0.040		ND	0.24	0.8	5/16/15	5:56	TPH
1,2-Dichlorobenzene	ND	0.029		ND	0.17	0.58	5/15/15	3:38	TPH
1,3-Dichlorobenzene	0.13	0.040		0.78	0.24	0.8	5/16/15	5:56	TPH
1,3-Dichlorobenzene	0.14	0.029		0.87	0.17	0.58	5/15/15	3:38	TPH
1,4-Dichlorobenzene	ND	0.040		ND	0.24	0.8	5/16/15	5:56	TPH
1,4-Dichlorobenzene	ND	0.029		ND	0.17	0.58	5/15/15	3:38	TPH
Dichlorodifluoromethane (Freon 12)	0.35	0.040		1.7	0.20	0.8	5/16/15	5:56	TPH

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 4/23/2015
Field Sample #: MP-8
Sample ID: 15D1202-14
 Sample Matrix: Soil Gas
 Sampled: 4/22/2015 10:55

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1998
 Canister Size: 6 liter
 Flow Controller ID: 4101
 Sample Type: 30 min

Work Order: 15D1202
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -10
 Receipt Vacuum(in Hg): -11.3
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Sample Flags: Z-01, Z-02

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Dichlorodifluoromethane (Freon 12)	0.41	0.029		2.0	0.14	0.58	5/15/15	3:38	TPH
1,1-Dichloroethane	ND	0.020		ND	0.081	0.8	5/16/15	5:56	TPH
1,1-Dichloroethane	ND	0.014		ND	0.059	0.58	5/15/15	3:38	TPH
1,2-Dichloroethane	ND	0.020		ND	0.081	0.8	5/16/15	5:56	TPH
1,2-Dichloroethane	ND	0.014		ND	0.059	0.58	5/15/15	3:38	TPH
1,1-Dichloroethylene	ND	0.020		ND	0.079	0.8	5/16/15	5:56	TPH
1,1-Dichloroethylene	ND	0.014		ND	0.057	0.58	5/15/15	3:38	TPH
cis-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.8	5/16/15	5:56	TPH
cis-1,2-Dichloroethylene	ND	0.014		ND	0.057	0.58	5/15/15	3:38	TPH
trans-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.8	5/16/15	5:56	TPH
trans-1,2-Dichloroethylene	ND	0.014		ND	0.057	0.58	5/15/15	3:38	TPH
1,2-Dichloropropane	ND	0.020		ND	0.092	0.8	5/16/15	5:56	TPH
1,2-Dichloropropane	ND	0.014		ND	0.067	0.58	5/15/15	3:38	TPH
1,3-Dichloropropane	ND	0.11		ND	0.50	0.8	5/16/15	5:56	TPH
1,3-Dichloropropane	ND	0.078		ND	0.36	0.58	5/15/15	3:38	TPH
cis-1,3-Dichloropropene	ND	0.020		ND	0.091	0.8	5/16/15	5:56	TPH
cis-1,3-Dichloropropene	ND	0.014		ND	0.066	0.58	5/15/15	3:38	TPH
trans-1,3-Dichloropropene	ND	0.020		ND	0.091	0.8	5/16/15	5:56	TPH
trans-1,3-Dichloropropene	ND	0.014		ND	0.066	0.58	5/15/15	3:38	TPH
Ethylbenzene	0.049	0.040		0.21	0.17	0.8	5/16/15	5:56	TPH
Ethylbenzene	0.055	0.029		0.24	0.13	0.58	5/15/15	3:38	TPH
Isopropylbenzene (Cumene)	ND	0.10		ND	0.50	0.8	5/16/15	5:56	TPH
Isopropylbenzene (Cumene)	ND	0.074		ND	0.36	0.58	5/15/15	3:38	TPH
p-Isopropyltoluene (p-Cymene)	ND	0.091		ND	0.50	0.8	5/16/15	5:56	TPH
p-Isopropyltoluene (p-Cymene)	ND	0.066		ND	0.36	0.58	5/15/15	3:38	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.040		ND	0.14	0.8	5/16/15	5:56	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.029		ND	0.10	0.58	5/15/15	3:38	TPH
Methylene Chloride	0.72	0.40		2.5	1.4	0.8	5/16/15	5:56	TPH
Methylene Chloride	0.66	0.29		2.3	1.0	0.58	5/15/15	3:38	TPH
4-Methyl-2-pentanone (MIBK)	0.096	0.040		0.39	0.16	0.8	5/16/15	5:56	TPH
4-Methyl-2-pentanone (MIBK)	0.097	0.029		0.40	0.12	0.58	5/15/15	3:38	TPH
Styrene	ND	0.040		ND	0.17	0.8	5/16/15	5:56	TPH
Styrene	ND	0.029		ND	0.12	0.58	5/15/15	3:38	TPH
1,1,1,2-Tetrachloroethane	ND	0.053		ND	0.36	0.58	5/15/15	3:38	TPH
1,1,1,2-Tetrachloroethane	ND	0.073		ND	0.50	0.8	5/16/15	5:56	TPH
1,1,2,2-Tetrachloroethane	ND	0.020		ND	0.14	0.8	5/16/15	5:56	TPH
1,1,2,2-Tetrachloroethane	ND	0.014		ND	0.100	0.58	5/15/15	3:38	TPH

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 4/23/2015
Field Sample #: MP-8
Sample ID: 15D1202-14
 Sample Matrix: Soil Gas
 Sampled: 4/22/2015 10:55

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1998
 Canister Size: 6 liter
 Flow Controller ID: 4101
 Sample Type: 30 min

Work Order: 15D1202
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -10
 Receipt Vacuum(in Hg): -11.3
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	0.071	0.020		0.48	0.14	0.8	5/16/15	5:56	TPH
Tetrachloroethylene	0.077	0.014		0.52	0.098	0.58	5/15/15	3:38	TPH
Toluene	0.38	0.040		1.4	0.15	0.8	5/16/15	5:56	TPH
Toluene	0.42	0.029		1.6	0.11	0.58	5/15/15	3:38	TPH
1,1,1-Trichloroethane	ND	0.020		ND	0.11	0.8	5/16/15	5:56	TPH
1,1,1-Trichloroethane	ND	0.014		ND	0.079	0.58	5/15/15	3:38	TPH
1,1,2-Trichloroethane	ND	0.020		ND	0.11	0.8	5/16/15	5:56	TPH
1,1,2-Trichloroethane	ND	0.014		ND	0.079	0.58	5/15/15	3:38	TPH
Trichloroethylene	ND	0.020		ND	0.11	0.8	5/16/15	5:56	TPH
Trichloroethylene	ND	0.014		ND	0.078	0.58	5/15/15	3:38	TPH
Trichlorofluoromethane (Freon 11)	0.31	0.040		1.7	0.22	0.8	5/16/15	5:56	TPH
Trichlorofluoromethane (Freon 11)	0.36	0.029		2.0	0.16	0.58	5/15/15	3:38	TPH
1,2,4-Trimethylbenzene	0.067	0.040		0.33	0.20	0.8	5/16/15	5:56	TPH
1,2,4-Trimethylbenzene	0.075	0.029		0.37	0.14	0.58	5/15/15	3:38	TPH
1,3,5-Trimethylbenzene	ND	0.040		ND	0.20	0.8	5/16/15	5:56	TPH
1,3,5-Trimethylbenzene	ND	0.029		ND	0.14	0.58	5/15/15	3:38	TPH
Vinyl Chloride	ND	0.020		ND	0.051	0.8	5/16/15	5:56	TPH
Vinyl Chloride	ND	0.014		ND	0.037	0.58	5/15/15	3:38	TPH
m&p-Xylene	0.15	0.080		0.66	0.35	0.8	5/16/15	5:56	TPH
m&p-Xylene	0.18	0.058		0.76	0.25	0.58	5/15/15	3:38	TPH
o-Xylene	0.051	0.040		0.22	0.17	0.8	5/16/15	5:56	TPH
o-Xylene	0.057	0.029		0.25	0.13	0.58	5/15/15	3:38	TPH

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	115	70-130	5/16/15	5:56
4-Bromofluorobenzene (1)	112	70-130	5/15/15	3:38
4-Bromofluorobenzene (2)	103	70-130	5/16/15	5:56
4-Bromofluorobenzene (2)	103	70-130	5/15/15	3:38

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 4/23/2015
Field Sample #: Ambient Outdoor
Sample ID: 15D1202-15
 Sample Matrix: Ambient Air
 Sampled: 4/22/2015 10:57

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1962
 Canister Size: 6 liter
 Flow Controller ID: 4091
 Sample Type: 30 min

Work Order: 15D1202
 Initial Vacuum(in Hg): -28.5
 Final Vacuum(in Hg): -3
 Receipt Vacuum(in Hg): -3.5
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	6.9	0.80		17	1.9	0.4	5/14/15 21:05		TPH
Acrylonitrile	ND	0.12	L-03	ND	0.25	0.4	5/14/15 21:05		TPH
Benzene	0.28	0.020		0.88	0.064	0.4	5/14/15 21:05		TPH
Bromodichloromethane	ND	0.010		ND	0.067	0.4	5/14/15 21:05		TPH
Bromoform	ND	0.020		ND	0.21	0.4	5/14/15 21:05		TPH
2-Butanone (MEK)	3.4	0.80		10	2.4	0.4	5/14/15 21:05		TPH
n-Butylbenzene	ND	0.058		ND	0.32	0.4	5/14/15 21:05		TPH
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	5/14/15 21:05		TPH
Carbon Tetrachloride	0.052	0.010		0.32	0.063	0.4	5/14/15 21:05		TPH
Chlorobenzene	ND	0.020		ND	0.092	0.4	5/14/15 21:05		TPH
Chloroethane	ND	0.020		ND	0.053	0.4	5/14/15 21:05		TPH
Chloroform	ND	0.010		ND	0.049	0.4	5/14/15 21:05		TPH
Chloromethane	0.56	0.040		1.1	0.083	0.4	5/14/15 21:05		TPH
Dibromochloromethane	ND	0.010		ND	0.085	0.4	5/14/15 21:05		TPH
1,2-Dibromoethane (EDB)	ND	0.010		ND	0.077	0.4	5/14/15 21:05		TPH
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	5/14/15 21:05		TPH
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	5/14/15 21:05		TPH
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	5/14/15 21:05		TPH
Dichlorodifluoromethane (Freon 12)	0.33	0.020		1.6	0.099	0.4	5/14/15 21:05		TPH
1,1-Dichloroethane	ND	0.010		ND	0.040	0.4	5/14/15 21:05		TPH
1,2-Dichloroethane	ND	0.010		ND	0.040	0.4	5/14/15 21:05		TPH
1,1-Dichloroethylene	ND	0.010		ND	0.040	0.4	5/14/15 21:05		TPH
cis-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	5/14/15 21:05		TPH
trans-1,2-Dichloroethylene	ND	0.010		ND	0.040	0.4	5/14/15 21:05		TPH
1,2-Dichloropropane	ND	0.010		ND	0.046	0.4	5/14/15 21:05		TPH
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	5/14/15 21:05		TPH
cis-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	5/14/15 21:05		TPH
trans-1,3-Dichloropropene	ND	0.010		ND	0.045	0.4	5/14/15 21:05		TPH
Ethylbenzene	0.042	0.020		0.18	0.087	0.4	5/14/15 21:05		TPH
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	5/14/15 21:05		TPH
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	5/14/15 21:05		TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	5/14/15 21:05		TPH
Methylene Chloride	0.25	0.20		0.87	0.69	0.4	5/14/15 21:05		TPH
4-Methyl-2-pentanone (MIBK)	0.12	0.020		0.49	0.082	0.4	5/14/15 21:05		TPH
Styrene	ND	0.020		ND	0.085	0.4	5/14/15 21:05		TPH
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	5/14/15 21:05		TPH
1,1,2,2-Tetrachloroethane	ND	0.010		ND	0.069	0.4	5/14/15 21:05		TPH

ANALYTICAL RESULTS

Project Location: Alvarez
 Date Received: 4/23/2015
Field Sample #: Ambient Outdoor
Sample ID: 15D1202-15
 Sample Matrix: Ambient Air
 Sampled: 4/22/2015 10:57

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1962
 Canister Size: 6 liter
 Flow Controller ID: 4091
 Sample Type: 30 min

Work Order: 15D1202
 Initial Vacuum(in Hg): -28.5
 Final Vacuum(in Hg): -3
 Receipt Vacuum(in Hg): -3.5
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag/Qual	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	0.028	0.010		0.19	0.068	0.4	5/14/15	21:05	TPH
Toluene	0.38	0.020		1.4	0.075	0.4	5/14/15	21:05	TPH
1,1,1-Trichloroethane	ND	0.010		ND	0.055	0.4	5/14/15	21:05	TPH
1,1,2-Trichloroethane	ND	0.010		ND	0.055	0.4	5/14/15	21:05	TPH
Trichloroethylene	ND	0.010		ND	0.054	0.4	5/14/15	21:05	TPH
Trichlorofluoromethane (Freon 11)	0.29	0.020		1.6	0.11	0.4	5/14/15	21:05	TPH
1,2,4-Trimethylbenzene	0.039	0.020		0.19	0.098	0.4	5/14/15	21:05	TPH
1,3,5-Trimethylbenzene	ND	0.020		ND	0.098	0.4	5/14/15	21:05	TPH
Vinyl Chloride	ND	0.010		ND	0.026	0.4	5/14/15	21:05	TPH
m&p-Xylene	0.13	0.040		0.56	0.17	0.4	5/14/15	21:05	TPH
o-Xylene	0.047	0.020		0.20	0.087	0.4	5/14/15	21:05	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	113	70-130	5/14/15 21:05
4-Bromofluorobenzene (2)	100	70-130	5/14/15 21:05

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
15D1202-01 [Gymnasium]	B121873	1	1	N/A	1000	400	1000	05/14/15
15D1202-02 [Cafeteria]	B121873	1	1	N/A	1000	400	1000	05/14/15
15D1202-03 [Kitchen Storage]	B121873	1	1	N/A	1000	400	1000	05/14/15
15D1202-04 [Elevator Hallway]	B121873	1	1	N/A	1000	400	1000	05/14/15
15D1202-05 [Room 145]	B121873	1	1	N/A	1000	400	1000	05/14/15
15D1202-06 [Room 152]	B121873	1	1	N/A	1000	400	1000	05/14/15
15D1202-07 [Room 118]	B121873	1	1	N/A	1000	400	1000	05/14/15
15D1202-08 [Room 110]	B121873	1	1	N/A	1000	400	1000	05/14/15
15D1202-09 [IMP-1]	B121873	1	1	N/A	1000	400	1000	05/14/15
15D1202-10 [IMP-3]	B121873	1	1	N/A	1000	400	870	05/14/15
15D1202-11 [MP-2]	B121873	1	1	N/A	1000	400	968	05/14/15
15D1202-12 [MP-5]	B121873	1	1	N/A	1000	400	1000	05/14/15
15D1202-13 [MP-7]	B121873	1	1	N/A	1000	400	1000	05/14/15
15D1202-14 [MP-8]	B121873	1	1	N/A	1000	400	686	05/14/15
15D1202-15 [Ambient Outdoor]	B121873	1	1	N/A	1000	400	1000	05/14/15

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
15D1202-01RE1 [Gymnasium]	B121986	1.5	1	N/A	1000	400	1000	05/15/15
15D1202-11RE1 [MP-2]	B121986	1.5	1	N/A	1000	400	1000	05/15/15
15D1202-12RE1 [MP-5]	B121986	1.5	1	N/A	1000	400	1000	05/15/15
15D1202-14RE1 [MP-8]	B121986	2	1	N/A	1000	400	1000	05/15/15

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

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

Batch B121873 - TO-15 Prep

Blank (B121873-BLK1)

Prepared & Analyzed: 05/14/15

Acetone	ND	0.80							
Acrylonitrile	ND	0.12							L-03
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							

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 B121873 - TO-15 Prep											
Blank (B121873-BLK1)						Prepared & Analyzed: 05/14/15					
m&p-Xylene	ND	0.040									
o-Xylene	ND	0.020									
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	<i>9.04</i>				<i>8.00</i>		<i>113</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene (2)</i>	<i>7.77</i>				<i>8.00</i>		<i>97.1</i>	<i>70-130</i>			
LCS (B121873-BS1)						Prepared & Analyzed: 05/14/15					
Acetone	4.24				5.00		84.8	70-130			
Acrylonitrile	1.12				2.88		38.9 *	70-130			L-03
Benzene	5.72				5.00		114	70-130			
Bromodichloromethane	5.00				5.00		99.9	70-130			
Bromoform	4.42				5.00		88.4	70-130			
2-Butanone (MEK)	4.15				5.00		83.0	70-130			
n-Butylbenzene	0.895				1.14		78.5	70-130			
sec-Butylbenzene	0.863				1.14		75.7	70-130			
Carbon Tetrachloride	5.06				5.00		101	70-130			
Chlorobenzene	4.54				5.00		90.7	70-130			
Chloroethane	5.82				5.00		116	70-130			
Chloroform	4.13				5.00		82.6	70-130			
Chloromethane	3.67				5.00		73.3	70-130			
Dibromochloromethane	4.48				5.00		89.7	70-130			
1,2-Dibromoethane (EDB)	4.32				5.00		86.4	70-130			
1,2-Dichlorobenzene	4.38				5.00		87.7	70-130			
1,3-Dichlorobenzene	4.68				5.00		93.6	70-130			
1,4-Dichlorobenzene	4.59				5.00		91.8	70-130			
Dichlorodifluoromethane (Freon 12)	5.03				5.00		101	70-130			
1,1-Dichloroethane	3.78				5.00		75.6	70-130			
1,2-Dichloroethane	3.75				5.00		75.1	70-130			
1,1-Dichloroethylene	3.96				5.00		79.2	70-130			
cis-1,2-Dichloroethylene	3.85				5.00		77.0	70-130			
trans-1,2-Dichloroethylene	3.54				5.00		70.7	70-130			
1,2-Dichloropropane	4.74				5.00		94.8	70-130			
1,3-Dichloropropane	1.01				1.35		75.0	70-130			
cis-1,3-Dichloropropene	4.62				5.00		92.3	70-130			
trans-1,3-Dichloropropene	4.38				5.00		87.6	70-130			
Ethylbenzene	5.11				5.00		102	70-130			
Isopropylbenzene (Cumene)	0.973				1.27		76.6	70-130			
p-Isopropyltoluene (p-Cymene)	0.875				1.14		76.8	70-130			
Methyl tert-Butyl Ether (MTBE)	3.96				5.00		79.1	70-130			
Methylene Chloride	4.19				5.00		83.8	70-130			
4-Methyl-2-pentanone (MIBK)	5.13				5.00		103	70-130			
Styrene	4.66				5.00		93.1	70-130			
1,1,1,2-Tetrachloroethane	0.780				0.910		85.7	70-130			
1,1,2,2-Tetrachloroethane	4.06				5.00		81.1	70-130			
Tetrachloroethylene	4.54				5.00		90.9	70-130			
Toluene	4.81				5.00		96.1	70-130			
1,1,1-Trichloroethane	4.74				5.00		94.8	70-130			
1,1,2-Trichloroethane	4.27				5.00		85.4	70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

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

Batch B121873 - TO-15 Prep

LCS (B121873-BS1)

Prepared & Analyzed: 05/14/15

Trichloroethylene	5.22				5.00		104	70-130			
Trichlorofluoromethane (Freon 11)	6.06				5.00		121	70-130			
1,2,4-Trimethylbenzene	4.07				5.00		81.4	70-130			
1,3,5-Trimethylbenzene	4.86				5.00		97.2	70-130			
Vinyl Chloride	5.44				5.00		109	70-130			
m&p-Xylene	9.57				10.0		95.7	70-130			
o-Xylene	4.94				5.00		98.9	70-130			
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	<i>9.52</i>				<i>8.00</i>		<i>119</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene (2)</i>	<i>7.93</i>				<i>8.00</i>		<i>99.1</i>	<i>70-130</i>			

Batch B121986 - TO-15 Prep

Blank (B121986-BLK1)

Prepared & Analyzed: 05/15/15

Acetone	ND	1.0									L-03, V-05
Acrylonitrile	ND	0.14									
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									
Carbon Tetrachloride	ND	0.012									
Chlorobenzene	ND	0.025									
Chloroethane	ND	0.025									
Chloroform	ND	0.012									
Chloromethane	ND	0.050									
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									
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									
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	RPD	Flag/Qual
	Results	RL	Results	RL	ppbv	Result	Limits	RPD	Limit		

Batch B121986 - TO-15 Prep

Blank (B121986-BLK1)

Prepared & Analyzed: 05/15/15

Styrene	ND	0.025									
1,1,1,2-Tetrachloroethane	ND	0.046									
1,1,2,2-Tetrachloroethane	ND	0.012									
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>	9.11				8.00		114		70-130		
<i>Surrogate: 4-Bromofluorobenzene (2)</i>	8.08				8.00		101		70-130		

LCS (B121986-BS1)

Prepared & Analyzed: 05/15/15

Acetone	3.19				5.00		63.8 *	70-130			L-03, V-05
Acrylonitrile	2.30				2.88		80.0	70-130			
Benzene	4.79				5.00		95.8	70-130			
Bromodichloromethane	4.05				5.00		81.0	70-130			
Bromoform	4.24				5.00		84.9	70-130			
2-Butanone (MEK)	4.02				5.00		80.4	70-130			
n-Butylbenzene	0.977				1.14		85.7	70-130			
sec-Butylbenzene	0.992				1.14		87.0	70-130			
Carbon Tetrachloride	4.45				5.00		89.0	70-130			
Chlorobenzene	4.49				5.00		89.9	70-130			
Chloroethane	3.87				5.00		77.4	70-130			
Chloroform	4.02				5.00		80.4	70-130			
Chloromethane	3.65				5.00		73.1	70-130			
Dibromochloromethane	4.23				5.00		84.7	70-130			
1,2-Dibromoethane (EDB)	4.11				5.00		82.2	70-130			
1,2-Dichlorobenzene	4.07				5.00		81.4	70-130			
1,3-Dichlorobenzene	4.37				5.00		87.5	70-130			
1,4-Dichlorobenzene	4.34				5.00		86.9	70-130			
Dichlorodifluoromethane (Freon 12)	4.90				5.00		98.0	70-130			
1,1-Dichloroethane	3.73				5.00		74.7	70-130			
1,2-Dichloroethane	3.66				5.00		73.1	70-130			
1,1-Dichloroethylene	3.89				5.00		77.8	70-130			
cis-1,2-Dichloroethylene	3.79				5.00		75.7	70-130			
trans-1,2-Dichloroethylene	3.51				5.00		70.2	70-130			
1,2-Dichloropropane	3.90				5.00		77.9	70-130			
1,3-Dichloropropane	1.11				1.35		82.0	70-130			
cis-1,3-Dichloropropene	3.92				5.00		78.3	70-130			
trans-1,3-Dichloropropene	3.84				5.00		76.8	70-130			
Ethylbenzene	4.92				5.00		98.5	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 B121986 - TO-15 Prep											
LCS (B121986-BS1)						Prepared & Analyzed: 05/15/15					
Isopropylbenzene (Cumene)	1.07				1.27		84.0	70-130			
p-Isopropyltoluene (p-Cymene)	1.01				1.14		88.2	70-130			
Methyl tert-Butyl Ether (MTBE)	4.07				5.00		81.4	70-130			
Methylene Chloride	4.09				5.00		81.9	70-130			
4-Methyl-2-pentanone (MIBK)	4.23				5.00		84.6	70-130			
Styrene	4.40				5.00		88.0	70-130			
1,1,1,2-Tetrachloroethane	0.906				0.910		99.6	70-130			
1,1,2,2-Tetrachloroethane	3.80				5.00		75.9	70-130			
Tetrachloroethylene	4.33				5.00		86.6	70-130			
Toluene	4.63				5.00		92.6	70-130			
1,1,1-Trichloroethane	3.90				5.00		78.0	70-130			
1,1,2-Trichloroethane	4.05				5.00		80.9	70-130			
Trichloroethylene	4.30				5.00		86.0	70-130			
Trichlorofluoromethane (Freon 11)	4.88				5.00		97.7	70-130			
1,2,4-Trimethylbenzene	3.80				5.00		76.1	70-130			
1,3,5-Trimethylbenzene	4.59				5.00		91.7	70-130			
Vinyl Chloride	4.00				5.00		80.1	70-130			
m&p-Xylene	9.33				10.0		93.3	70-130			
o-Xylene	4.69				5.00		93.9	70-130			
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	<i>9.23</i>				<i>8.00</i>		<i>115</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene (2)</i>	<i>8.44</i>				<i>8.00</i>		<i>106</i>	<i>70-130</i>			

FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
 - † Wide recovery limits established for difficult compound.
 - ‡ Wide RPD limits established for difficult compound.
 - # Data exceeded client recommended or regulatory level
- Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
No results have been blank subtracted unless specified in the case narrative section.
- L-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.
 - 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-30 Internal Standard response <40% of associated continuing calibration internal standard response.
 - Z-01 Elevated method detection limit, due to pressure in canister.
 - Z-02 Sample analyzed outside of method Tune Specifications.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
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	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
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	02/23/2016
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

Company Name: EA Eng.
 Address: 237M Post Rd.
 Attention: WAWWICK, RI
 Project Location: C. SWANSON
 Sampled By: ALVAREZ
 CAS/PA

Telephone: 401-736-3410
 Project #: 1506602
 Client PO #
 DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Email: Catherine.Swanson@east.com
 Format: EXCEL PDF GIS KEY OTHER

Field ID	Sample Description	Media	Lab #	Date		Total Minutes Sampled	Flow Rate M ³ /Min. or L/Min.	Volume Liters or M ³	Matrix Code*	Flow Controller ID
				Start Date Time	Stop Date Time					
				4-22-15 08:23	4-22-15 08:56		33	6L	IA	29-5.5-6 2217
	Gymnasium	KAS	01							29-5.5-6 2217
	Cafeteria		02	0818	0848		30			29-5.5-6 2030
	Kitchen Storage		03	0802	0835		33			29-5.5-6 2148
	Elevator Hallway		04	0835	0905		30			29-5.5-6 1071
	Room 145		05	0909	0941		32			29-5.5-6 1991
	Room 152		06	0919	0944		31			29-5.5-6 1162
	Room 118		07	0851	0923		32			29-5.5-6 1965
	Room 110		08	0900	0933		33			29-5.5-6 2130

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

Special Requirements
 Regulations: SOIL GAS
 Data Enhancement/RCP? Y N
 Enhanced Data Package Y N
 (Surcharge Applies)
 Required Detection Limits: _____
 Other: _____

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

Relinquished by (signature): _____ Date/Time: 4/23/15 9:10
 Received by (signature): _____ Date/Time: 4/23/15 9:10
 Relinquished by (signature): _____ Date/Time: 4/23/15 12:35
 Received by (signature): _____ Date/Time: 4/23/15 12:35

CLIENT COMMENTS:

* TURNAROUND TIME STARTS AT 9:00 A.M. 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

Company Name: EA Engineering
 Address: 2374 Post Rd.
 Attention: Warwick, RI
 Project Location: C. SWANSON
 Sampled By: ALVAREZ
 CAS/JDA
 Telephone: 401-736-3440
 Project #: 1506602
 Client PO #

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Email: Catherine.Swanson@easton.com
 Format: EXCEL PDF GIS KEY OTHER

Field ID	Sample Description	Media	Lab #	Date Sampled		Total Minutes Sampled	Flow Rate M ³ /Min. or L/Min.	Volume Liters or M ³	Matrix Code*	"Hg IN FIN TIA P P S S U R E	Summa Canister ID	Flow Controller ID
				Start Date Time	Stop Date Time							
MP-1		4	09	4/22/15 0853	4/22/15 0903	30		62	55	1311	4072	
MP-3			10	0841	0917	37			55	8133	4184	
MP-2			11	1128	1200	32			56	1481	4076	
MP-5			12	1038	1107	29			56	2187	4090	
MP-7			13	1031	1103	32			56	2206	4077	
MP-B			14	1019	1055	36			56	1998	4101	
Ambient Outdoor			15	1022	1057	35			AMB	1962	4091	
				405								

ANALYSIS REQUESTED

PLEASE FILL OUT COMPLETELY, SIGN, DATE AND RETAIN THE YELLOW COPY FOR YOUR RECORD.
 Summa canisters and flow controllers must be returned within 14 days of receipt or rental fees will apply.
 For Summa canister and flow controller information please refer to Con-Test's Air Media Agreement.

CLIENT COMMENTS:

Special Requirements:
 Regulations: PER CONTRACT
 Data Enhancement/RCP? Y N
 Enhanced Data Package Y N
 (Surcharge Applies)
 Required Detection Limits: _____
 Other: _____

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

Media Codes:
 S=Summa can
 T=tedlar bag
 P=PUF
 T=tube
 F=filter
 C=cassette
 O=Other

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

Relinquished by (signature): [Signature] Date/Time: 4/27/15 9:10
 Received by (signature): [Signature] Date/Time: 4/23/15 9:10
 Relinquished by (signature): [Signature] Date/Time: 4/23/15 12:35
 Received by (signature): [Signature] Date/Time: 4/23/15 12:35

* TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILED 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 Eng. RECEIVED BY: KB DATE: 4/23/15

- 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: 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? 15

Containers received at Con-Test		
	# of Containers	Types (Size, Duration)
Summa Cans (TO-14/TO-15/APH)	15	6L
Tedlar Bags		
TO-17 Tubes		
Regulators	15	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:	2133	1998	4185	4193	4072	4077
2217	1071	1965	1981	4211	4192	4184
2030	1991	2130	2187	4210	4188	4076
1448	1162	1311	2206	4073	4189	4090
						4091

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

<u>Question</u>	<u>Answer (True/False)</u>		<u>Comment</u>
	T	F/NA	
1) The coolers'/boxes' custody seal, if present, is intact.		NA	
2) The cooler or samples do not appear to have been compromised or tampered with.	T		
3) Samples were received on ice.		F	
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) Samples are received within Holding Time.	T		
10) Sample containers have legible labels.	T		
11) Containers/media are not broken or leaking and valves and caps are closed tightly.	T		
12) Sample collection date/times are provided.	T		
13) Appropriate sample/media containers are used.	T		
14) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T		
15) Trip blanks provided if applicable.		NA	

Doc #278 Rev. 5 October 2014

Who notified of False statements?

Log-In Technician Initials:

KB

Date/Time:

Date/Time:

4/23/15

12:35

APPENDIX F

Laboratory MRL Correspondence



39 Spruce Street
East Longmeadow, MA 01089

May 19, 2015

Ms. Mary Russo
EA Engineering Science & Technology
2350 Post Road
Warwick, RI 02886
RE: CT Remediation Standard Regulations – Work Order 15D1202

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, flowing style.

Tod Kopyscinski
Laboratory Director