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

23 September 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. 32  
Alvarez High School, 333 Adelaide Avenue, Providence, Rhode Island  
Case No. 2005-029  
EA Project No. 15066.03*

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 June through August 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. 32**

## **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  
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EA Project No. 15066.03  
September 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. 32 for the Parcel B area of the former Gorham Manufacturing site in Providence, Rhode Island, formerly referred to as Adelaide Avenue High School and now referred to as Alvarez High School (the Site). A Site Location Map is provided as Figure 1. This report has been prepared to satisfy provision 6(f) of the Rhode Island Department of Environmental Management (RIDEM) Order of Approval (OA) issued in June 2006, as amended in February 2007, July 2007, and July 2009. For the purposes of this report, the original and the amended OA will collectively be referred to as the Amended OA.

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

This report summarizes the O&M, monitoring, and sampling activities completed at the Site for the 3-month period from June to August 2015 (Quarterly Reporting Period No. 32). Please refer to Quarterly O&M Status Reports No. 1 through No. 31 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 (17 June, 21 July, and 25 August 2015) at 11 monitoring locations, as illustrated on the As-Built Subslab Monitoring and Sampling Plan provided as Figure 3.
- Quarterly sampling (21 July 2015) of eight indoor air locations, one ambient outdoor air location, and six subslab points.
- Monthly inspections and monitoring (air velocity and vacuum) and annual sampling of 3 rooftop fans to verify proper operation and effluent concentrations.
- 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 -0.12 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 21 July 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 September 2015.

## 2.3 AMBIENT OUTDOOR AND INDOOR AIR SAMPLING

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 21 July 2015. All samples were collected within individually certified summa canisters and submitted to ALS Environmental Laboratory (ALS) for analysis of volatile organic compounds (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 event. Sample results were compared to the State of Connecticut's Draft Proposed Indoor Residential Targeted Air Concentrations (CT RTACs) and the RIDEM approved threshold level in accordance with the Amended OA.

The laboratory method detection limits (MDLs) 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 MDL verification letter from ALS verifying that where MDLs are not able to be met, the detection limit was the lowest currently achievable. Where a sample results fell between the MDL and the reporting detection limit (RDL), the result is tabulated as an estimated value with a qualifier flag. MDLs were elevated for one or more of the following three reasons:

- 1) Methodology or instrumentation for analysis is not able to meet stringent standards. See Appendix F for more details.
- 2) Elevated concentrations of an analyte can raise MDLs for similar or related analytes. This is the case with the slightly elevated MDL for vinyl chloride (VC) in the Room 145 sample. The detection of PCE raised the VC MDL above the standard.
- 3) Other factors such as moisture content or sample volume.

It is EA's opinion that the slightly elevated MDLs for some analytes were not significant. The elevated MDLs occurred primarily with analytes that are not the constituents of concern (COCs) for the project. Additionally, many of these analytes have never been detected at concentrations greater than the applicable standards.

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 (south) of the school. A data summary table is provided as Appendix B and a copy of the laboratory data report associated with this sampling event are provided in Appendix E.

Several analytes were identified in indoor air above the CT RTACs and RIDEM threshold levels during the July 2015 monitoring event.

Chloroform was detected in Room 145 at a concentration of  $11.0 \mu\text{g}/\text{m}^3$ , which exceeds the RIDEM amended threshold value of  $0.5 \mu\text{g}/\text{m}^3$ . Chloroform is a common ingredient in, or can form as a byproduct of, cleaning products and some insecticides. Insecticides and cleaning chemicals have historically be used during summer months; additionally, floor stripping and

waxing was in progress during the sampling event (though not in the carpeted Room 145). Chloroform was last detected at concentrations over applicable standards one year ago, when floor stripping was also occurring. The detections of chloroform are not believed to be indicative of a soil-vapor intrusion pathway and are most likely attributable to products used inside the building. The concentration of chloroform detected in rooftop fan emissions is less than the concentration detected in outdoor ambient air; therefore, fan emissions are not contributing to the ambient air concentration of chloroform significantly. These concentrations have been reported to RIDEM and may be further investigated.

The analyte 1,2-dichloroethane (1,2-DCA) was detected in the sample from the Kitchen Storage room at a concentration of  $0.100 \mu\text{g}/\text{m}^3$ . This detection was qualified as an estimated value, meaning it was detected at a level below the RDL but above the MDL. Concentrations below the reporting limit are not as reliable as above the reporting limit, hence the qualifier of “estimated”. Additionally, the MDL and RDLs used for analyzing for 1,2-DCA exceed 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. Therefore, it cannot be definitely confirmed that 1,2-DCA was below applicable standards at any of the sample locations. 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.

Methylene chloride was detected in the Kitchen Storage room and Elevator Hallway at  $4.8$  and  $20.0 \mu\text{g}/\text{m}^3$ , respectively, above the RIDEM amended threshold value of  $3.0 \mu\text{g}/\text{m}^3$ . The analyte was also detected in all other indoor air/ambient outdoor sampling locations at concentrations between  $1.1$  and  $2.1 \mu\text{g}/\text{m}^3$ . These concentrations have been reported to RIDEM. Methylene chloride is a common laboratory contaminant and byproduct of many cleaning products, including paint strippers. The presence of this contaminant has been previously attributed to use of cleaning products at the school; however, the RIDEM-duplicated samples collected during the October 2014 sampling event had significantly lower concentrations of methylene chloride than those analyzed at Con-Test Laboratory. Though Con-Test Laboratory was not used for the analysis of the July 2015 samples, the same methods of analysis were used and may have resulted in introduction of methylene chloride to the samples. Methylene chloride is not a contaminant of concern at the site and was detected at a similar magnitude in the sub-slab samples, indicating that the origin is not from soil vapor.

The compound 4-methyl-2-pentanone was detected in Room 152 at a concentration of  $78.0 \mu\text{g}/\text{m}^3$ , which exceeds the CT RTAC/RIDEM threshold value of  $37.0 \mu\text{g}/\text{m}^3$ . This compound is not a contaminant of concern at the site and has been sporadically detected at concentrations exceeding the applicable standard. This compound was not detected at similar concentrations in other indoor air locations or in any subslab vapor samples. The data indicates that subslab vapor intrusion is not occurring and further investigation into this detection is not warranted.

Tetrachloroethylene (PCE) was detected in Room 145 at a concentration of  $26.0 \mu\text{g}/\text{m}^3$ , above the action level of  $5 \mu\text{g}/\text{m}^3$ . The rotating sampling schedule did not prescribe sampling at the

closed sub-slab monitoring point, MP-8. The samples collected at the second closest sub-slab monitoring points, IMP-2 and MP-6, had concentrations of PCE of  $4.0 \mu\text{g}/\text{m}^3$  and  $3.2 \mu\text{g}/\text{m}^3$ , respectively, indicating that the indoor air TCE may be from an interior source. EA coordinated with RIDEM to resample Room 145 and sample MP-8 in accordance with the Amended OA. Resampling occurred in September. Results will be discussed in Status Report No. 33.

The sample collected in the Cafeteria may have been affected by ambient air infiltration into the summa canister prior to sample collection. The initial pressure of the canister was recorded at -12.5 inches of mercury, when the typical canister start pressure is approximately -30 inches of mercury. Review of the Cafeteria sample concentrations did not reveal any abnormal results. The results from this sample were marked with a qualifier.

## **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 21 July 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 21 July 2015. The results of 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 2016.

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, July 2013, and October 2014 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 PCE concentration of 26  $\mu\text{g}/\text{m}^3$ , above the threshold limit of 5  $\mu\text{g}/\text{m}^3$  in January 2015. The rotating sampling schedule did not prescribe sampling at the closed sub-slab monitoring point, MP-8. The samples collected at the second closest sub-slab monitoring points, IMP-2 and MP-6, had concentrations of PCE of 4.0  $\mu\text{g}/\text{m}^3$  and 3.2  $\mu\text{g}/\text{m}^3$ , respectively, indicating that the indoor air PCE may be from an interior source. EA coordinated with RIDEM to resample Room 145 and to sample MP-8 in accordance with the Amended OA. Resampling occurred in September 2015. Results will be discussed in Status Report No. 33.
- Several analytes such as chloroform, 1,2-DCA, methylene chloride, and 4-methyl-2-pentanone were detected at concentrations exceeding the CT RTAC/RIDEM threshold value at various locations (Room 145, Room 152, Kitchen Storage, and Elevator Hallway). None of these exceedances were determined to be caused by soil vapor intrusion into the building and are likely from indoor or laboratory sources.
- 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 21 July 2015. EA will continue to use certified clean canisters in the upcoming sampling events.

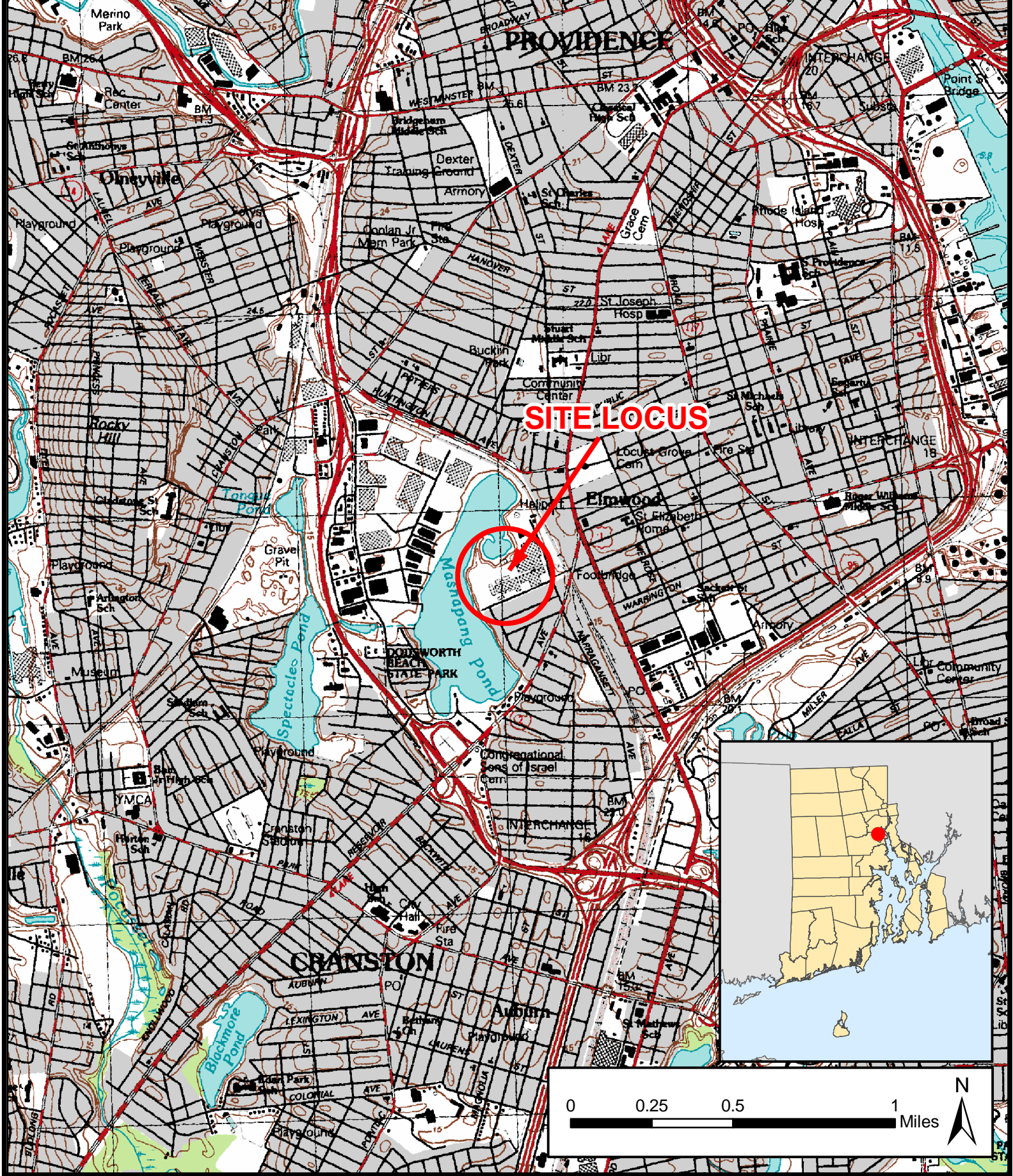
### **3. FUTURE ACTIVITIES AND NEXT QUARTERLY SUMMARY REPORT**

The following activities will be completed in accordance with the Amended OA during the next quarterly status reporting period from September to November 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, and six subslab monitoring points, October 2015.

These activities will be summarized in the next status report (Quarterly Status Report No. 33), expected to be submitted by the end of December 2015.

# FIGURES

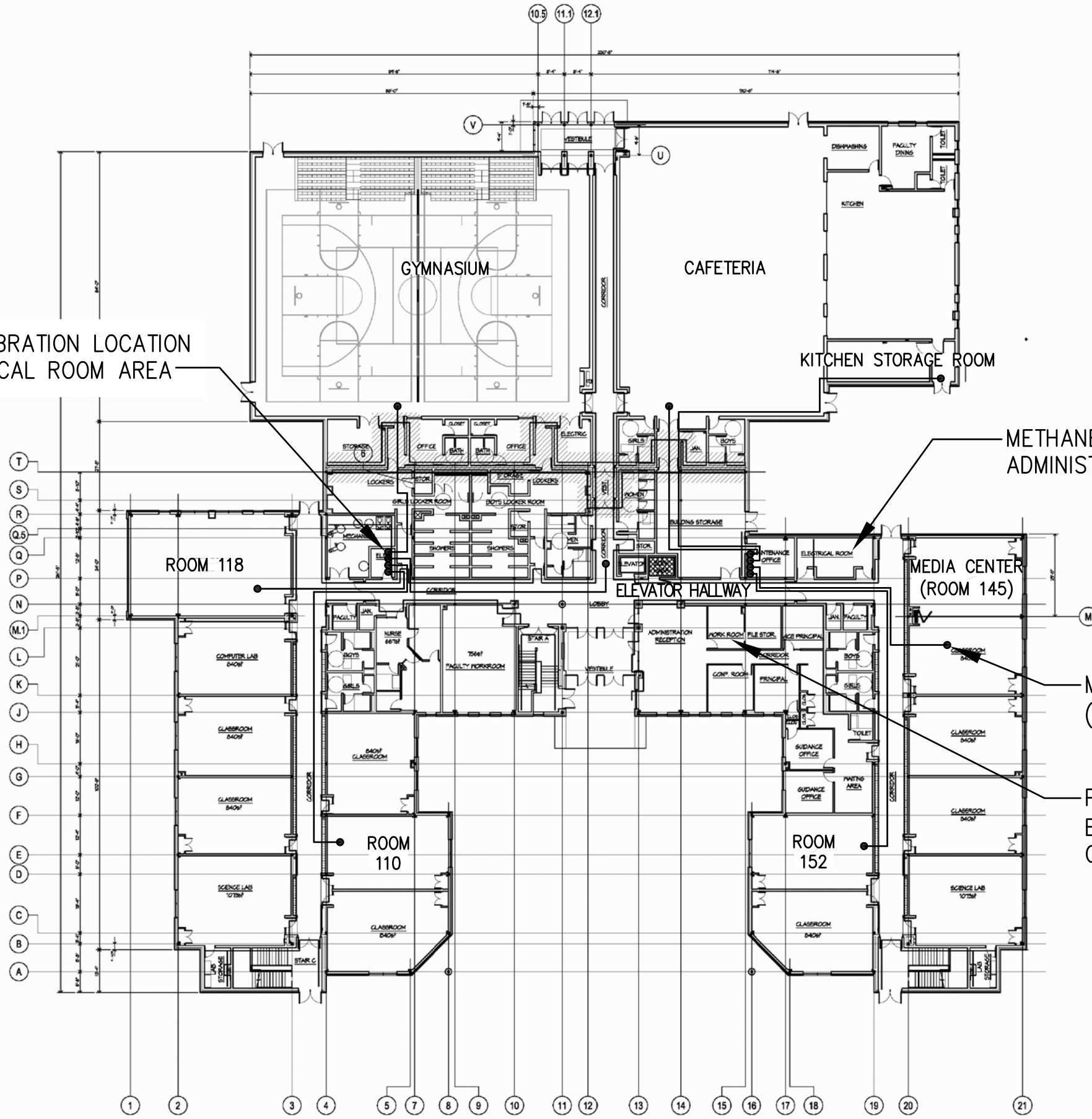


ALVAREZ HIGH SCHOOL  
 333 ADELAIDE AVENUE  
 PROVIDENCE, RHODE ISLAND

FIGURE 1  
 SITE LOCUS

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

METHANE SENSOR CALIBRATION LOCATION  
IN WEST WING; ELECTRICAL ROOM AREA

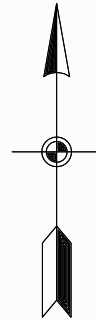


METHANE SYSTEM CONTROLLER LOCATION;  
ADMINISTRATION WORK ROOM

METHANE SENSOR LOCATION  
(TYP.)

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

PROJECT NORTH



NOTE: NOT TO SCALE



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

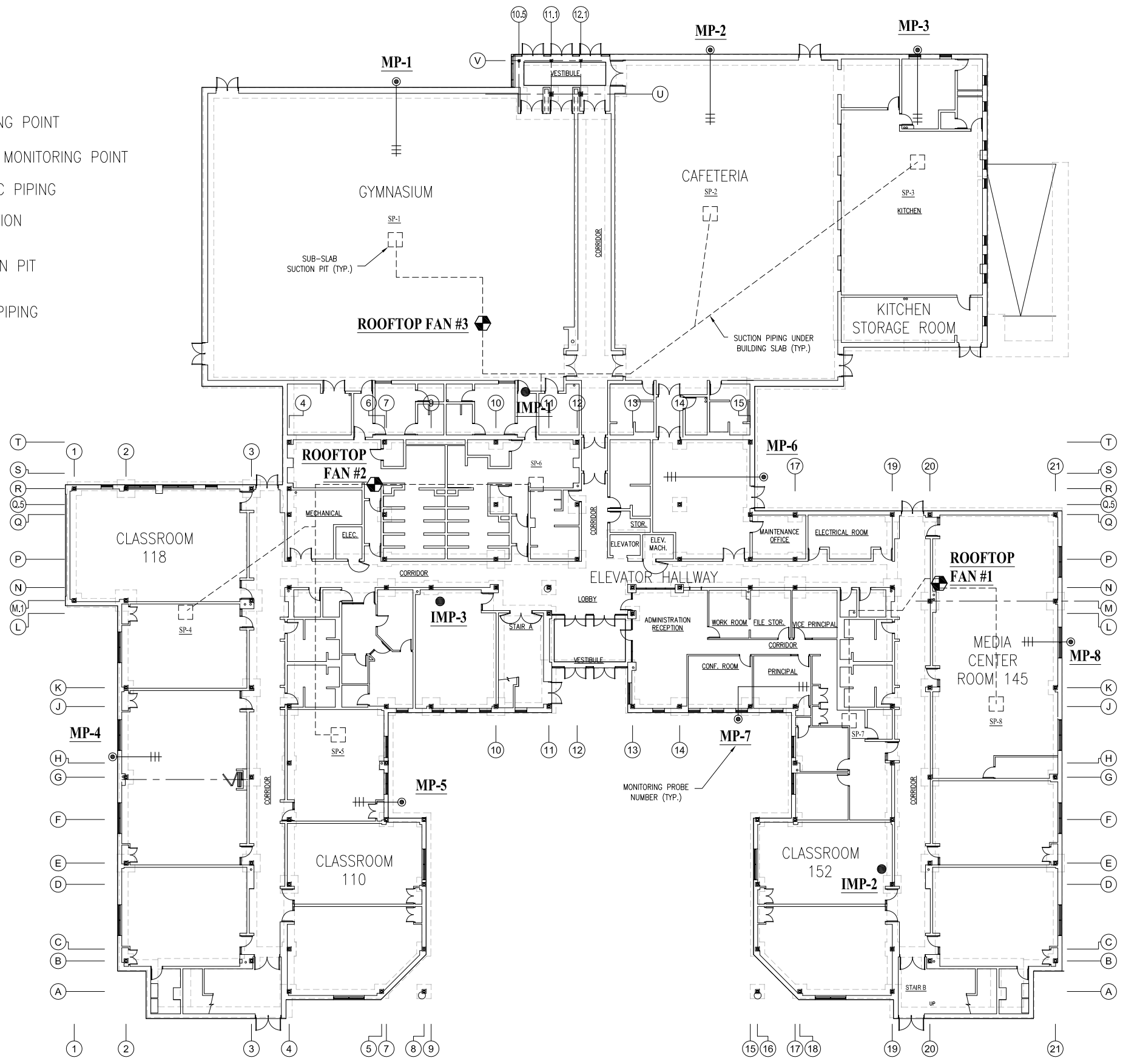
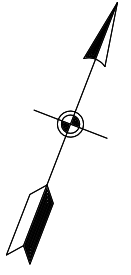
INDOOR AIR SAMPLING AND METHANE MONITORING  
SYSTEM DIAGRAM - ALVAREZ HIGH SCHOOL  
PROVIDENCE, RHODE ISLAND

QUARTERLY STATUS REPORT  
FIGURE 2



**LEGEND :**

- SUB-SLAB MONITORING POINT
- INTERIOR SUB-SLAB MONITORING POINT
- ||— SLOTTED 1 INCH PVC PIPING
- ⊕ ROOFTOP FAN LOCATION
- SP-1  
□ SSD SYSTEM SUCTION PIT
- - - - - SOLID 4 INCH PVC PIPING



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

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

QUARTERLY STATUS REPORT  
FIGURE 3

# APPENDIX A

## O&M Field Forms



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

Date of O&M: 6/17/2015

Performed by: mc, tg, da

PID/Methane Calibration? yes (yes/no)

PID Calibration Result: \_\_\_\_\_

Date of last Methane Sensor Filter Replacement: done in may

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

on and operational

General Status of SSD System: \_\_\_\_\_

General Status of Methane Monitoring System: on and operational

Eng. Cap/Fence Inspection Performed/Notes: washed out area under gutter

(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	-	-		-		-	outside door open
Elevator Hallway	NA	NA	0	0	0	0	-	-		-		-	
Room 145	NA	NA	0	0	0	0	-	-		-		-	
Room 152	NA	NA	162	0	0	0	-	-		-		-	dry erase board and markers in use
Room 118	NA	NA	0	0	0	0	-	-		-		-	
Room 110	NA	NA	20	0	0	0	-	-		-		-	
MP-1	-10	NA	0	NA	0	0	-	-		-		-	
MP-2	-01	NA	0	NA	0	0	-	-		-		-	
MP-3	-05	NA	0	NA	0	0	-	-		-		-	
MP-4	-07	NA	0	NA	0	0	-	-		-		-	
MP-5	-07	NA	0	NA	0	0	-	-		-		-	
MP-6	-05	NA	0	NA	0	0	-	-		-		-	
MP-7	-01	NA	0	NA	0	0	-	-		-		-	
MP-8	-12	NA	0	NA	0	0	-	-		-		-	
IMP-1	-01	NA	7	NA	0	0	-	-		-		-	
IMP-2	-03	NA	275	NA	0	0	-	-		-		-	
IMP-3	-01	NA	112	NA	0	0	-	-		-		-	
Roof-Top Fan 1	-2.7	4106	0	NA	0	0	-	-		-		-	
Roof-Top Fan 2	-2.2	1976	0	NA	0	0	-	-		-		-	Roof locked - now requires key from Aramark
Roof-Top Fan 3	-2.9	3988	0	NA	0	0	-	-		-		-	
Ambient Outdoor Air	NA	NA	0	NA	0	0	-	-		-		-	

NA: not applicable.

NM: not monitored on this date.

NS : not sampled on this date.

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



**Alvarez High School - SSD & Interior Methane Monitoring System O&M**Date of O&M: 7/21/2015Performed by: cs,tg,da,cmPID/Methane Calibration? yes (yes/no)PID Calibration Result: 9875Date of last Methane Sensor Filter Replacement: May 2015Replaced this O&M Visit? No (yes/no)

on and operational

General Status of SSD System:

General Status of Methane Monitoring

System:

on and operational

Eng. Cap/Fence Inspection

Performed/Notes:

hole by back western gutter (has been there for &gt;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	1015	0	0	0	1511	7336720	10:19 AM	-30	10:49 AM	-3	door open to outside
Cafeteria	NA	NA	0	0	0	0	10084	7303487	9:46 AM	-12.5	10:16 AM	-0.5	AC on high
Kitchen Storage Room	NA	NA	0	0	0	0	5021	0195530	9:25 AM	-30	9:55 AM	-2	
Elevator Hallway	NA	NA	0	0	0	0	1512	121688	10:25 AM	-29	10:55 AM	-6	jugs of floor stripping chemicals in hallway
Room 145	NA	NA	351	0	0	0	2910	7340622	10:36 AM	-28.5	11:07 AM	-8	
Room 152	NA	NA	784	0	0	0	1072	7280647	10:31 AM	-29	11:01 AM	-3	class present
Room 118	NA	NA	1041	0	0	0	1831	7337488	11:23 AM	-28.5	11:53 AM	0	
Room 110	NA	NA	4765	0	0	0	11910	195528	11:20 AM	-26	11:50 AM	0	floor stripping chemicals being used around classroom
MP-1	-0.07	NA	0	NA	0	0	1364	7340845	12:07 PM	-30	12:37 PM	-5	
MP-2	-0.01	NA	1455	NA	0	0	-	-		-		-	
MP-3	-0.05	NA	5025	NA	0	0	5629	7309695	12:01 PM	-28	12:31 PM	-4	
MP-4	-0.02	NA	27900	NA	0	0	9039	180877	12:15 PM	-29	12:45 PM	.5	
MP-5	-0.07	NA	0	NA	0	0	-	-		-		-	
MP-6	-0.03	NA	23100	NA	0	0	11187	7337313	11:56 AM	-27	12:26 PM	-3	
MP-7	-0.03	NA	0	NA	0	0	-	-		-		-	
MP-8	-0.06	NA	0	NA	0	0	-	-		-		-	
IMP-1	-0.01	NA	1393	NA	0	1	1534	1955281	10:17 AM	-28	10:49 AM	-2	
IMP-2	0.02	NA	2885	NA	0	0	4042	7266943	10:33 AM	-29	11:03 AM	-5	
IMP-3	-0.01	NA	2385	NA	0	0	-	-		-		-	
Roof-Top Fan 1	-2.4	3965	0	NA	0	0	5635	7337517	9:15 AM	-29	9:45 AM	-4	
Roof-Top Fan 2	-2.6	2248	82	NA	0	0	11991	2805241	9:05 AM	-28	9:35 AM	-4.5	
Roof-Top Fan 3	-2.9	3442	0	NA	0	0	11420	7302021	9:34 AM	-30	10:04 AM	-7.5	
Ambient Outdoor Air	NA	NA	0	NA	0	0	9093	7342587	11:45 AM	-30	12:15 PM	-0.5	wind from south, placed on Southeast corner

NA: not applicable.

NM: not monitored on this date.

NS : not sampled on this date.

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



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

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

Date of O&M: 8/25/2015 Performed by: D. Allen / T. Daley  
 PID/Methane Calibration? Yes (yes/no) PID Calibration Result: \_\_\_\_\_  
 Date of last Methane Sensor Filter Replacement: May Replaced this O&M Visit? No (yes/no)  
 General Status of SSD System: OK  
 General Status of Methane Monitoring System: OK  
 Eng. Cap/Fence Inspection Performed/Notes: \_\_\_\_\_ (take photographs of any deficiencies noted)

Monitoring/ Sampling Location	Sub-slab or gauge vacuum	Air Velocity (fpm)	VOC Monitoring	Methane Monitoring			Air/Vapor Sample Collection						Comments/Notes (Ambient weather conditions, status of HVAC, possible monitoring/sampling interferences, etc ....)
			PID (ppb)	Indoor Sensor (ppm)	(% Gas)	(% LEL)*	Summa Can ID	Controller ID	Start Time	Start Vac (inches Hg)	End Time	End Vac (inches Hg)	
Gymnasium	NA	NA	0	0	0	0	-	-	-	-	-	-	Smoke/smog machine in use week prior to sampling
Cafeteria	NA	NA	0	0	0	0	-	-	-	-	-	-	
Kitchen Storage Room	NA	NA	0	0	0	0	-	-	-	-	-	-	
Elevator Hallway	NA	NA	0	0	0	0	-	-	-	-	-	-	
Room 145	NA	NA	0	0	0	0	-	-	-	-	-	-	
Room 152	NA	NA	0	0	0	0	-	-	-	-	-	-	
Room 118	NA	NA	0	0	0	0	-	-	-	-	-	-	
Room 110	NA	NA	0	0	0	0	-	-	-	-	-	-	
MP-1	-0.07	NA	0	NA	0	0	-	-	-	-	-	-	
MP-2	-0.05	NA	0	NA	0	0	-	-	-	-	-	-	
MP-3	-0.03	NA	0	NA	0	0	-	-	-	-	-	-	
MP-4	-0.04	NA	84	NA	0	0	-	-	-	-	-	-	
MP-5	-0.06	NA	452	NA	0	0	-	-	-	-	-	-	
MP-6	-0.02	NA	193	NA	0	0	-	-	-	-	-	-	
MP-7	-0.07	NA	88	NA	0	0	-	-	-	-	-	-	
MP-8	-0.01	NA	0	NA	0	0	-	-	-	-	-	-	
IMP-1	-0.01	NA	0	NA	0	0	-	-	-	-	-	-	
IMP-2	-0.01	NA	31	NA	0	0	-	-	-	-	-	-	
IMP-3	-0.01	NA	0	NA	0	0	-	-	-	-	-	-	
Roof-Top Fan 1	-2.7	2175	0	NA	0	0	-	-	-	-	-	-	
Roof-Top Fan 2	-2.7	2444	0	NA	0	0	-	-	-	-	-	-	
Roof-Top Fan 3	-2.9	3530	0	NA	0	0	-	-	-	-	-	-	
Ambient Outdoor Air	NA	NA	0	NA	0	0	-	-	-	-	-	-	

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

## 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 - July 2015

Volatile Organic Compounds via TO-15	Sample Date	C.D. 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
Benzene	8-Feb-08	3.3	0.910		0.840		0.730		0.780		0.810		0.800		0.750		0.790							0.870				
	27-Mar-08		1.420		1.350		1.600		1.420		0.218		2.130		1.730		1.680							0.372				
	25-Apr-08		1.360		1.300		0.638		1.400		1.150		1.270		1.130		1.120							0.413				
	29-May-08		0.370		0.430		0.300		0.400		0.300		0.450		0.410		0.310							0.230				
	27-Jun-08		0.631		0.603		0.666		0.644		0.657		0.604		0.849		0.582							0.726				
	31-Jul-08		0.568		0.477		0.419		0.451		0.528		0.465		0.378		0.390							0.405				
	28-Aug-08		1.190		1.110		1.010		0.953		1.060		1.060		1.020		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		0.303		1.460		0.358		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		0.594		NS		NS		NS		NS		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		0.326		0.319		0.319		0.329		0.319							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		1.300		1.200							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		NS							0.140				
	20-Jun-12		0.490		0.540		0.410		0.510		0.520		0.440		0.460		0.540							0.740				
	1-Nov-12		1.300		1.000		0.770		1.200		0.990		1.500		1.700		1.300							0.470				
	1-Feb-13		0.470		0.410		0.400		0.420		0.410		0.490		0.500		0.430							0.410				
	29-Apr-13		0.960		0.920		0.900		0.760		0.710		0.940		0.840		0.300							0.300				
9-Jul-13	0.440		0.420		0.400		0.450		0.450		0.420		0.440		0.520							0.520			0.56	0.81		
9-Jul-13 RIDEM	NS		NS		NS		NS		NS		NS		NS		NS							0.597			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		0.790		0.550							0.590						
12-Sept-14 resample	NS		NS		NS		NS		NS		NS		NS		NS							NS						
22-Oct-14	0.560		0.340		0.270		0.350		0.550		0.250		0.450		0.610							0.420						
20-Jan-15	0.450		0.440		0.430		0.500		0.500		0.580		0.480		0.510							0.510						
30-Mar-15 resample	NS		NS		NS		NS		NS		NS		NS		NS							NS						
22-Apr-15	0.950		1.200		0.950		1.100		0.750		0.930		0.830		0.880							0.880						
21-Jul-15	0.580		0.500 <sup>A</sup>		0.510		0.470		0.530		0.570		0.480		0.350							0.350						
Bromodichloromethane	8-Feb-08	0.034/0.13	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U					0.130	U				
	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	0.130	U	0.134	U	0.134	U	0.134	U	0.134	U					0.134	U				
	31-Jul-08		0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U					0.134	U				
	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																						

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

Volatile Organic Compounds via TO-15	Sample Date	CI 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
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		0.210	U					
	31-Jul-08		0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U		0.206	U					
	28-Aug-08		0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U		0.206	U					
	30-Sep-08		0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U		0.410	U					
	27-Oct-08		0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U		0.410	U					
	25-Nov-08		0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U		0.410	U					
	18-Dec-08		0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U		0.410	U					
	21-Jan-09		0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U		0.410	U					
	25-Feb-09		0.410	U	0.410	U	0.410	U	NS	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U		0.410	U					
	26-Mar-09		0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U		0.206	U					
	29-Apr-09		0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U		0.206	U					
	22-Jul-09		0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U		0.206	U					
	9-Oct-09		0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U		0.206	U					
	15-Jan-10		0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U		0.206	U					
	21-Apr-10		0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U		0.206	U					
	16-Jul-10		0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U		0.206	U					
	15-Oct-10		0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U		0.206	U					
	30-Nov-10		NS	U	0.206	U	0.206	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.351	U	0.352	U	NS	U		
	26-Jan-11	0.55	0.353	U	0.351	U	0.352	U	0.352	U	0.353	U	0.351	U	0.351	U	0.353	U	0.353	U	0.351	U		0.351	U			
	26-Jan-11**		NS	U	0.540	U	0.520	U	NS	U	NS	U	NS	U	0.520	U	NS	U	NS	U		NS	U	NS	U			
	27-Apr-11		0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U		0.206	U					
	26-Jul-11		0.207	U	0.207	U	0.207	U	0.207	U	0.207	U	0.207	U	0.207	U	0.207	U	0.207	U		0.207	U					
	28-Oct-11		0.310	U	0.310	U	0.310	U	0.310	U	0.310	U	0.310	U	0.310	U	0.310	U	0.310	U		0.310	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	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U		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	0.21	U	0.21	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	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U		NS	U					
22-Oct-14		0.310	U	0.310	U	0.310	U	0.310	U	0.310	U	0.310	U	0.310	U	0.310	U	0.310	U		0.310	U						
20-Jan-15		0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.310	U	0.210	U		0.310	U						
30-Mar-15 resample		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.240	U		NS	U						
22-Apr-15		0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U		0.210	U						
21-Jul-15		0.500	U	0.500 <sup>A</sup>	U	0.500	U	0.500	U	0.600	U	0.500	U	0.700	U	0.500	U	0.500	U		0.600	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	1.650	U	2.080	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														











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

Volatile Organic Compounds via TO-15	Sample Date	CF 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	
			Value		Value		Value		Value		Value		Value		Value		Value		Value		Value		Value		Value		Value		Value
1,2-Dibromoethane (EDB)	8-Feb-08	0.0028/0.15	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-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			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			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			0.150	U					
	27-Jun-08		0.150	U	0.150	U	0.154	U	0.154	U	0.150	U	0.150	U	0.629	U	0.154	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	NS	U	0.150	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	NS	U	NS	U	NS	U	0.154	U	NS	U	NS	U	0.261	U	0.262	U	0.261	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	0.262	U	0.262	U			0.261	U					
	26-Jan-11**		NS	U	0.380	U	0.380	U	NS	U	NS	U	NS	U	0.380	U	NS	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					
	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		0.077	U	0.077	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	0.150	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	0.077	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	0.120	U	0.077	U	0.077	U			0.120	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					
	21-Jul-15		0.400	U	0.400 <sup>A</sup>	U	0.400	U	0.400	U	0.400	U	0.400	U	0.500	U	0.400	U	0.400	U			0.400	U					
1,2-Dichlorobenzene	8-Feb-08	73.0	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U			0.120	U					
	27-Mar-08		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U			0.120	U					
	25-Apr-08		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U			0.120	U					
	29-May-08		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U			0.120	U					
	27-Jun-08		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.822	U	0.120	U	0.120	U			0.120	U					
	31-Jul-08		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U			0.120	U					
	28-Aug-08		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U			0.120	U					
	30-Sep-08		3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U			3.000	U					
	27-Oct-08		3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U			3.000	U					
	25-Nov-08		3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U			3.000	U					
	18-Dec-08		3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U			3.000	U					
	21-Jan-09		3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U			3.000	U					
	25-Feb-09		3.000	U	3.000	U	3.000	U	NS	U</																			



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

Volatile Organic Compounds via TO-15	Sample Date	CF 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	
Dichlorodifluoromethane	8-Feb-08	91.0	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		2.170		2.030		1.990		2.080		2.030							1.860			
	29-May-08		1.700		1.630		1.540		1.760		1.630		1.610		1.780		1.600							1.560			
	27-Jun-08		2.280		2.280		2.370		2.370		2.240		2.220		2.250		2.220							2.220			
	31-Jul-08		2.030		2.020		1.970		1.970		1.910		1.920		1.920		1.900							1.850			
	28-Aug-08		3.600		2.870		2.920		2.870		2.920		2.800		2.800		2.980							2.770			
	30-Sep-08		2.500		2.700		2.500		2.500		2.500		2.900		2.800		2.500							2.500			
	27-Oct-08		2.500	U	2.500		2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500				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				2.500	U			
	18-Dec-08		2.700	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500				2.500	U			
	21-Jan-09		2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	3.000	U	2.500	U					2.500	U			
	25-Feb-09		2.500	U	2.500	U	2.500	U	NS	U	2.500	U	2.500	U	2.500	U	2.500	U					2.500	U			
	26-Mar-09		2.220	U	2.190		2.120		2.090		2.220		2.180		2.080		2.120							2.130			
	29-Apr-09		2.500		2.260		2.460		2.320		2.260		2.320		2.380		2.360							2.160			
	22-Jul-09		3.140		3.120		2.920		3.090		2.780		3.170		2.690		2.960							3.130			
	9-Oct-09		2.290		2.560		2.300		2.320		2.300		2.280		2.300		2.290							2.210			
	15-Jan-10		27.800		2.550		2.480		2.590		2.410		2.540		2.450		2.410							2.430			
	21-Apr-10		2.340		2.320		2.520		2.330		2.330		2.260		2.320		2.240							2.240			
	16-Jul-10		2.480		2.560		2.430		2.520		3.690		2.480		2.550		2.480							2.740			
	15-Oct-10		2.460		2.410		2.560		2.400		2.470		2.410		2.450		2.450							2.630			
	30-Nov-10		NS		2.480		2.550		NS		NS		NS		2.390		NS						NS				
	26-Jan-11		2.680		2.640		2.340		2.660		2.150		2.580		2.370		2.560		2.230				2.480	2.440			
	26-Jan-11**		NS		2.800		2.700		NS		NS		NS		2.600		NS						NS				
	27-Apr-11		2.070		2.820		2.200		2.450		2.160		2.210		2.220		2.210							2.460			
	26-Jul-11		2.290		2.270		2.270		2.360		2.260		2.250		2.260		2.260							2.350			
	28-Oct-11		2.700		2.400		2.800		2.600		2.800		2.500		2.600		2.800							2.500			
	23-Jan-12		1.700		1.800		1.600		1.500		2.000		1.800		2.000		1.900							2.000			
	13-Apr-12		2.100		2.100		2.000		2.000		1.800		1.900		1.700		1.700							1.300			
	2-Jul-12 resample		NS		NS		NS		NS		NS		NS		NS		2.700						2.500				
	20-Jun-12		2.500		2.600		2.500		2.400		2.700		2.300		2.500		2.500							2.300			
	1-Nov-12		2.000		2.200		2.100		2.200		2.000		2.100		2.100		2.000							2.100			
	1-Feb-13		1.600		1.600		1.600		1.600		1.600		1.600		1.600		1.700							1.600			
	29-Apr-13		2.400		2.600		2.400		2.400		2.400		2.300		2.400		2.400							2.400			
	9-Jul-13		0.950		0.980		0.930		0.960		0.990		1.000		0.980		0.970							1.000			
	18-Oct-13		2.000		2.200		1.900		2.000		1.900		2.000		1.900		2.000							2.000		1	
	9-Jan-14		1.400		1.500		1.400		1.400		1.500		1.500		1.500		1.600							1.600			
	24-Apr-14		2.300		2.400		2.300		2.400		2.800		2.400		2.500		4.100							2.500			
	1-Aug-14		1.500		1.600		1.500		1.600		1.500		1.600		2.300/1.500		1.500							1.700			
	12-Sept-14 resample		NS		NS		NS		NS		NS		NS		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							1.500			
	30-Mar-15 resample		NS		NS		NS		NS		NS		NS		NS		1.400						NS				
	22-Apr-15		1.800		1.800		4.200 <sup>y</sup>		1.800		1.700		1.700		1.700		1.700							1.600			
	21-Jul-15		0.870		0.940 <sup>A</sup>		0.890		0.890		0.910		0.880		0.930		0.840							0.980			
1,1-Dichloroethane	8-Feb-08		77.0	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	2.																		



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

Volatile Organic Compounds via TO-15	Sample Date	CI 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	Qual		
cis-1,2-Dichloroethene*	8-Feb-08	18.0	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U		Qual		Qual	0.080	U		Qual	0.080	U		
	27-Mar-08		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U		Qual		Qual	0.080	U		Qual	0.080	U		
	25-Apr-08		0.080	U	0.080	U	0.080	U	0.080	U	0.100	U	0.080	U	0.080	U	0.080	U		Qual		Qual	0.080	U		Qual	0.080	U		
	29-May-08		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U		Qual		Qual	0.080	U		Qual	0.080	U		
	27-Jun-08		0.080	U	0.079	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U		Qual		Qual	0.080	U		Qual	0.079	U		
	31-Jul-08		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U		Qual		Qual	0.079	U		Qual	0.079	U		
	28-Aug-08		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.092	U		Qual		Qual	0.079	U		Qual	0.090	U		
	30-Sep-08		5.900	U	5.900	U	5.900	U	5.900	U	5.900	U	5.900	U	5.900	U	5.900	U		Qual		Qual	5.900	U		Qual	5.900	U		
	27-Oct-08		2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U		Qual		Qual	2.000	U		Qual	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		Qual		Qual	2.000	U		Qual	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		Qual		Qual	2.000	U		Qual	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		Qual		Qual	2.000	U		Qual	2.000	U		
	25-Feb-09		2.000	U	2.000	U	2.000	U	2.000	U	NS	U	2.000	U	2.000	U	2.000	U		Qual		Qual	2.000	U		Qual	2.000	U		
	26-Mar-09		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U		Qual		Qual	0.079	U		Qual	0.079	U		
	29-Apr-09		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U		Qual		Qual	0.079	U		Qual	0.079	U		
	22-Jul-09		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.127	U	0.079	U		Qual		Qual	0.079	U		Qual	0.079	U		
	9-Oct-09		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U		Qual		Qual	0.079	U		Qual	0.079	U		
	15-Jan-10		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U		Qual		Qual	0.079	U		Qual	0.079	U		
	21-Apr-10		0.079	U	0.780	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U		Qual		Qual	0.079	U		Qual	0.079	U		
	16-Jul-10		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U		Qual		Qual	0.079	U		Qual	0.079	U		
	15-Oct-10		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U		Qual		Qual	0.079	U		Qual	0.079	U		
	30-Nov-10		NS	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U		Qual		Qual	0.079	U		Qual	0.079	U		
	26-Jan-11		0.135	U	0.135	U	0.135	U	0.135	U	0.135	U	0.135	U	0.134	U	0.135	U		Qual	0.135	U	0.135	U		Qual	0.135	U		
	26-Jan-11**		NS	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U		Qual		Qual	0.200	U		Qual	0.200	U		
	27-Apr-11		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U		Qual		Qual	0.079	U		Qual	0.079	U		
	26-Jul-11		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U		Qual		Qual	0.079	U		Qual	0.079	U		
	28-Oct-11		0.069	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U		Qual		Qual	0.040	U		Qual	0.040	U		
	23-Jan-12		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U		Qual		Qual	0.140	U		Qual	0.140	U		
	13-Apr-12		0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U		Qual		Qual	0.079	U		Qual	0.079	U		
	2-Jul-12 resample		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U		Qual		Qual	0.059	U		Qual	0.059	U		
	20-Jun-12		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U		Qual		Qual	0.079	U		Qual	0.079	U		
	1-Nov-12		0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U		Qual		Qual	0.040	U		Qual	0.040	U		
	1-Feb-13		0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U		Qual		Qual	0.040	U		Qual	0.040	U		
	29-Apr-13		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U		Qual		Qual	0.079	U		Qual	0.079	U		
	9-Jul-13		0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U		Qual		Qual	0.040	U	0.04	U	0.04	U	0.04	U
	18-Oct-13		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U		Qual		Qual	0.079	U		Qual	0.079	U		
	9-Jan-14		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U		Qual		Qual	0.079	U		Qual	0.079	U		
	24-Apr-14		0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U		Qual		Qual	0.040	U		Qual	0.040	U		
	1-Aug-14		0.079	U	0.079	U	0.079	U	0.079	U	0.120	U	0.500	U	0.079	U	0.079	U		Qual		Qual	0.160	U		Qual	0.160	U		
	12-Sept-14 resample		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.040	U		Qual		Qual	NS	U		Qual	NS	U		
22-Oct-14	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U	0.059	U		Qual		Qual	0.240	U		Qual	0.240	U				
20-Jan-15	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.059	U		Qual		Qual	0.059	U		Qual	0.059	U				
30-Mar-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U		Qual		Qual	NS	U		Qual	NS	U				
22-Apr-15	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U	0.040	U		Qual		Qual	0.040	U		Qual	0.040	U				
21-Jul-15	0.200	U	0.200 <sup>A</sup>	U	0.200	U	0.110 <sup>B</sup>	U	0.200	U	0.200	U	0.200	U	0.200	U		Qual		Qual	0.200	U		Qual	0.200	U				
trans-1,2-Dichloroethene*	8-Feb-08	37.0	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U		Qual		Qual		Qual	0.080	U		Qual	0.080	U		
	27-Mar-08		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U		Qual		Qual		Qual	0.079	U		Qual	0.079	U		
	25-Apr-08		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U		Qual		Qual		Qual	0.079	U		Qual	0.079	U		
	29-May-08		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U		Qual		Qual		Qual	0.080	U		Qual	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		Qual		Qual		Qual	0.080	U		Qual	0.079	U
	31-Jul-08		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U		Qual		Qual		Qual	0.079	U		Qual	0.079	U
	28-Aug-08		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U		Qual		Qual		Qual	0.079	U		Qual	0.079	U
	30-Sep-08		2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U		Qual		Qual		Qual	2.000	U		Qual	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		Qual		Qual		Qual	2.000	U		Qual	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		Qual		Qual		Qual	2.000	U		Qual	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		Qual		Qual		Qual	2.000	U		Qual	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		Qual		Qual		Qual	2.000</					





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

Volatile Organic Compounds via TO-15	Sample Date	CFL 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	Qual							
trans-1,3-Dichloropropene	8-Feb-08		0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U									
	27-Mar-08		0.091	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	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	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	0.090	U									
	27-Jun-08		0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.340	U	0.090	U	0.090	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0.091	U									
	30-Nov-10		NS	U	0.091	U	0.091	U	NS	U	NS	U	NS	U	NS	U	0.091	U	NS	U	0.154	U	0.155	U	0.154	U	0.154	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	0.155	U	0.154	U	0.154	U	0.154	U							
	26-Jan-11**		NS	U	0.230	U	0.230	U	NS	U	NS	U	NS	U	NS	U	0.230	U	NS	U	0.154	U	0.155	U	0.154	U	0.154	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	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	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	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	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	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	NS	U	NS	U	NS	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	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	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	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	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	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	NS	U	NS	U	NS	U	0.045	U			0.045	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	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	0.091	U									
	24-Apr-14		0.045	U	0.045	U	0.045	U	0.040	U	0.091	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U									
	1-Aug-14		0.091	U	0.091	U	0.091	U	0.140	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	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	NS	U	NS	U	NS	U									
	22-Oct-14		0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.068	U									
	20-Jan-15		0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.068	U	0.046	U	0.046</														

Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds  
February 2008 - July 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	Qual	
Isopropylbenzene	8-Feb-08	120.0	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		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		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		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		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		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		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		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		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		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		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		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		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		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		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		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		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		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		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		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	U		U	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		U	2.460	U					
	30-Nov-10		NS	U	2.460	U	2.460	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U		U	2.460	U					
	26-Jan-11		4.190	U	4.180	U	4.190	U	4.180	U	4.190	U	4.190	U	4.170	U	4.180	U	4.190	U		U	4.180	U					
	26-Jan-11**		NS	U		U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U		U	4.190	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		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		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		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		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		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		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		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		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		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		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		U	0.250	U					
	9-Jul-13 RIDEM		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U		U	0.024	U		0.25	U	0.25	
	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		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		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		U	0.250	U					
	1-Aug-14		0.250	U	0.250	U	0.250	U	0.370	U	0.250	U	0.250	U	0.250	U	0.250	U	0.250	U		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		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		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		U	0.370	U					
	30-Mar-15 resample		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U		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		U	0.250	U					
	21-Jul-15		0.200	U	0.200 <sup>A</sup>	U	0.200	U	0.300	U	0.300	U	0.300	U	0.300	U	0.300	U	0.200	U		U	0.300	U					
	p-Isopropyltoluene		8-Feb-08	67.0	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U		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		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		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		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		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		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		U	2.740	U					
30-Sep-08																													

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

Volatile Organic Compounds via TO-15	Sample Date	CI 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
Methyl tert butyl ether (MTBE)	8-Feb-08		0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U			0.070	U				
	27-Mar-08		0.440	U	0.102	U	0.102	U	0.091	U	0.095	U	0.098	U	0.102	U	0.090	U	0.090	U			0.072	U				
	25-Apr-08		0.116	U	0.116	U	0.107	U	0.126	U	0.121	U	0.131	U	0.121	U	0.113	U	0.113	U			0.072	U				
	29-May-08		0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U			0.070	U				
	27-Jun-08		0.072	U	0.070	U	0.070	U	0.074	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U			0.072	U				
	31-Jul-08		0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U			0.072	U				
	28-Aug-08		0.095	U	0.130	U	0.123	U	0.123	U	0.091	U	0.106	U	0.115	U	0.089	U	0.089	U			0.072	U				
	30-Sep-08		1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U			1.800	U				
	27-Oct-08		1.800	U	1.800	U	1.800	U	1.800	U	2.600	U	1.800	U	2.300	U	1.800	U	1.800	U			1.800	U				
	25-Nov-08		2.100	U	1.800	U	1.800	U	1.800	U	2.800	U	1.800	U	1.800	U	1.800	U	1.800	U			1.800	U				
	18-Dec-08		1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U			1.800	U				
	21-Jan-09		1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U			1.800	U				
	25-Feb-09		1.800	U	2.700	U	1.800	U	NS	U	1.800	U	2.700	U	1.800	U	1.800	U	1.800	U			1.800	U				
	26-Mar-09		0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U			0.072	U				
	29-Apr-09		0.072	U	0.072	U	2.350	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U			0.072	U				
	22-Jul-09		0.072	U	0.072	U	0.223	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U			0.169	U				
	9-Oct-09		0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U			0.072	U				
	15-Jan-10		0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U			0.072	U				
	21-Apr-10		0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U			0.072	U				
	16-Jul-10		0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U			0.072	U				
	15-Oct-10		0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U			0.072	U				
	30-Nov-10		NS	U	0.072	U	0.072	U	NS	U	NS	U	NS	U	0.072	U	NS	U	NS	U			0.072	U				
	26-Jan-11		0.123	U	0.122	U	0.123	U	0.123	U	0.123	U	0.122	U	0.122	U	0.123	U	0.123	U	0.122	U	0.123	U	0.122	U		
	26-Jan-11**		NS	U	0.180	U	0.180	U	NS	U	NS	U	NS	U	0.180	U	NS	U	NS	U	0.122	U	0.123	U	NS	U		
	27-Apr-11		0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U			0.072	U				
	26-Jul-11		0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U			0.072	U				
	28-Oct-11		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U			0.072	U				
	23-Jan-12		0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U			0.130	U				
	13-Apr-12		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U			0.140	U				
	2-Jul-12 resample		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U			0.110	U				
	20-Jun-12		0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U			0.072	U				
	1-Nov-12		0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U			0.072	U				
	1-Feb-13		0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U			0.072	U				
	29-Apr-13		0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U			0.072	U				
9-Jul-13		0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U			0.072	U					
9-Jul-13 RIDEM		NS	U	NS	U	NS	U	NS	U	0.041	J	NS	U	NS	U	NS	U	NS	U			0.200	U	0.072	U	0.072	U	
18-Oct-13		0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U			0.072	U					
9-Jan-14		0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U			0.072	U					
24-Apr-14		0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U			0.072	U					
1-Aug-14		0.072	U	0.072	U	0.072	U	0.110	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U			0.072	U					
12-Sept-14 resample		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.072	U	NS	U	NS	U			NS	U					
22-Oct-14		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U			0.110	U					
20-Jan-15		0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.110	U	0.110	U	0.072	U			0.110	U					
30-Mar-15 resample		NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.083	U			NS	U					
22-Apr-15		0.072	U	0.072 <sup>A</sup>	U	0.072 <sup>Y</sup>	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U			0.072	U					
21-Jul-15		0.180	U	0.200 <sup>A</sup>	U	0.200	U	0.550	U	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U			0.200	U					
Methylene chloride	8-Feb-08		1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U			1.740	U				
	27-Mar-08		1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U			1.740	U				
	25-Apr-08		1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	2.210	U	1.740	U			1.740	U				
	29-May-08		1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U			1.740	U				
	27-Jun-08		1.740	U	1.740	U	1.740	U	3.210	U	1.740	U	6.940	U	1.740	U	1.740	U	1.740	U			19.000	U				
	31-Jul-08		1.740	U	1.740	U	1.740	U	1.740	U	1.7																	

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

Volatile Organic Compounds via TO-15	Sample Date	CI 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			
	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			
	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			
	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			
	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			
	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			
	28-Aug-08		2.050	U	2.050	U	2.050	U	2.540	U	2.050	U	2.050	U	2.050	U	2.050	U					2.050	U			
	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		2.600	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			
	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			
	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			
	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			
	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			
	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					2.050	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			
	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			
	30-Nov-10		NS		2.050	U	2.050	U	NS		NS		NS		NS		NS						NS	U			
	26-Jan-11	37.0	3.490	U	3.480	U	3.490	U	3.480	U	3.490	U	3.490	U	59.500	U	3.480	U	6.760	U	3.480	U	3.480	U	3.480	U	
	26-Jan-11**		NS		0.200	U	0.200	U	NS		NS		NS		NS		0.200	U	NS		NS	U	NS	U			
	27-Apr-11		2.050	U	2.050	U	2.050	U	2.050	U	2.930	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	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			
	28-Oct-11		2.100		0.490		0.840		0.560		0.800		0.930		1.500		1.200						0.390	U			
	23-Jan-12		0.140	U	0.140	U	0.210	U	0.190	U	26.000	U	2.900	U	2.900	U	2.230	U	270.000	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			
	2-Jul-12 resample		NS		NS		NS		NS		NS		NS		NS		NS						0.120	U			
	20-Jun-12		0.230		0.082	U	0.460		0.250		0.320		0.270		0.190		0.320						0.120	U			
	1-Nov-12		0.082	U	0.260		0.180		0.420		0.500		0.650		0.082	U	0.220						0.170	U			
	1-Feb-13		0.093		0.100		0.120		0.082	U	0.190		0.280		0.082	U	0.082						0.095	U			
	29-Apr-13		2.900		0.290		0.290		0.420		0.510		0.320		0.450		0.400						0.390	U			
	9-Jul-13		0.250		0.320		0.300		0.320		0.350		0.400		0.270		0.280						0.220	U		0.28	
	18-Oct-13		1.800		0.220		0.190		1.500		2.200		0.850		3.300		2.400						1.500	U		0.26	
	9-Jan-14		0.082	U	0.082	U	0.110		0.130		0.150		0.360		0.110		1.400						0.082	U			
	24-Apr-14		0.240		0.120	U	0.300		0.130		0.082	U	0.140		0.120		0.082	U					0.082	U			
	1-Aug-14		0.082 <sup>L</sup>	U	0.082 <sup>L</sup>	U	0.560 <sup>L</sup>		0.380 <sup>L</sup>		0.082 <sup>L</sup>	U	0.380		0.082 <sup>L</sup>		0.280						0.620	U			
	12-Sept-14 resample		NS		NS		NS		NS		NS		NS		NS		NS						NS	U			
	22-Oct-14		0.120	U	0.120	U	0.170		0.140		0.280		1.200		0.120	U	0.250						0.120	U			
	20-Jan-15		0.500		0.570		0.610		0.800		0.560		0.800		0.550		0.310						1.700	U			
	30-Mar-15 resample		NS		NS		NS		NS		NS		NS		NS		NS						NS	U			
22-Apr-15		0.350		0.450		0.710		0.260		0.290		0.260		0.460		0.860						0.490	U				
21-Jul-15		0.370		0.100 <sup>AA</sup>		0.250		2.100		0.340		0.340		2.300		78.000						0.200	U				
Styrene	8-Feb-08		0.710		0.130		0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U					0.090	U			
	27-Mar-08		1.200		0.118		0.120		0.165		0.140		0.175		0.114		0.139						0.085	U			
	25-Apr-08		0.856		0.156		0.180		0.184		0.137		0.137		0.158		0.124						0.085	U			
	29-May-08		0.550		0.085	U	0.130		0.260		0.090	U	0.110		0.090		0.090						0.090	U			
	27-Jun-08		1.830		0.085	U	0.112		0.186		0.191		0.085	U	0.481		0.090						0.085	U			
	31-Jul-08		1.890		0.254		0.153		0.266		0.285		0.288		0.109		0.090						0.085	U			
	28-Aug-08		0.654		0.368		0.262		0.392		0.203		0.165		0.169		0.140						0.108	U			
	30-Sep-08		2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U					2.100	U			
	27-Oct-08		2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U					2.100	U			
	25-Nov-08		2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U					2.100	U			
	18-Dec-08		2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U					2.100	U			
	21-Jan-09		2.100	U	2.100	U	2.100	U	2.100	U																	

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

Volatile Organic Compounds via TO-15	Sample Date	C1-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	Qual	Qual		
1,1,1,2-Tetrachloroethane	8-Feb-08		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U		Qual		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				0.137	U						
	26-Jan-11		0.082/0.14	0.234	U	0.233	U	0.234	U	0.234	U	0.234	U	0.233	U	0.233	U	0.234	U	0.233	U			0.233	U						
	26-Jan-11**			NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U			NS	U						
	27-Apr-11			0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U			0.137	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	0.370	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	0.250	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 <sup>A</sup>	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-Tetrachloroethane	8-Feb-08		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U				0.140	U								
	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	0.140	U	0.137	U	0.140	U	0.140	U	0.992	U	0.140	U				0.140	U						
	31-Jul-08		0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U				0.137	U						
	28-Aug-08		0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U				0.137	U						
	30-Sep-08		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U				0.140	U						
	27-Oct-08		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U				0.140	U						
	25-Nov-08		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U				0.140	U						
	18-Dec-08		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U				0.140	U						
	21-Jan-09		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U				0.140	U						
	25-Feb-09		0.140	U	0.140	U																									

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	
Tetrachloroethene <sup>a</sup>	8-Feb-08		0.140		0.140	U	0.140	U	0.150		0.140	U	0.140	U	0.140	U	0.140	U						0.350					
	27-Mar-08 <sup>b</sup>		12.500		6.680		13.300		16.100		26.000		7.730		23.300		4.310							0.153					
	25-Apr-08		0.180		0.284		0.179		0.228		0.231		0.276		0.228		0.298							0.136	U				
	29-May-08		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U						0.140	U				
	27-Jun-08		0.249		0.449		0.397		0.459		0.424		0.243		0.460		0.246							0.216					
	31-Jul-08		1.030		1.000		0.877		0.880		0.795		0.872		0.252		0.287							0.154					
	28-Aug-08		0.321		0.367		0.283		0.323		0.274		0.434		0.294		0.282							0.445					
	30-Sep-08		3.400	U	3.400	U	3.400	U	3.400	U	3.400	U	3.400	U	3.400	U	3.400	U						3.400	U				
	27-Oct-08		4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U						4.200	U				
	25-Nov-08		3.400	U	3.400	U	3.400	U	3.400	U	3.400	U	3.400	U	3.400	U	3.400	U						3.400	U				
	18-Dec-08		3.400	U	3.400	U	3.400	U	3.400	U	3.400	U	3.400	U	3.400	U	3.400	U						3.400	U				
	21-Jan-09		3.400	U	3.400	U	3.400	U	3.400	U	3.400	U	3.400	U	3.400	U	3.400	U						3.400	U				
	25-Feb-09		3.400	U	3.400	U	3.400	U	3.400	U	NS		3.400	U	3.400	U	3.400	U						3.400	U				
	26-Mar-09		1.530		1.210		1.170		0.980		1.080		1.320		1.420		1.890							1.380					
	29-Apr-09		0.136	U	0.136	U	0.697		0.136	U	0.136	U	0.136	U	0.136	U	0.136	U						0.136	U				
	22-Jul-09		0.291		0.190		0.224		0.196		0.196		0.196		0.183		0.210							0.535					
	9-Oct-09		2.250		1.550		1.580		1.580		1.700		1.700		2.080		1.960							0.779					
	15-Jan-10		0.359		0.346		0.339		0.373		0.312		3.460		0.346		0.312							2.450					
	21-Apr-10		0.637		0.752		0.440		0.650		0.508		0.447		0.407		0.474							0.562					
	16-Jul-10		0.318		0.420		0.420		0.427		0.501		0.230		0.447		0.474							0.230					
	15-Oct-10		0.136	U	0.136	U	0.136	U	0.136	U	0.136	U	0.136	U	0.136	U	0.136	U						0.142					
	30-Nov-10		NS		0.461		0.291		NS		NS		NS		0.169		NS							NS					
	26-Jan-11		0.636		0.484		0.370		0.566		0.440		0.725		0.346		0.578				0.472		0.428	0.426					
	26-Jan-11**		NS		0.580		0.490	U	NS		NS		NS		0.480		NS						NS						
	27-Apr-11		0.142		0.176		0.176		0.352		0.176		0.136	U	0.149		0.136	U					0.285						
	26-Jul-11		0.529		0.563		0.631		0.522		0.549		0.325		0.739		0.461						0.224						
	28-Oct-11		0.100	U	0.140		0.100	U	0.100	U	0.100	U	0.110	U	0.100	U	0.100	U					0.068						
	23-Jan-12		0.240	U	0.240	U	0.240	U	0.590		0.320		0.510		0.260		0.410						0.260						
	13-Apr-12		0.150		0.110		0.120		0.250		0.150		0.160		0.190		0.190						0.140						
	2-Jul-12 resample		NS		NS		NS		NS		NS		NS		NS		NS						0.130						
	20-Jun-12		0.390		0.800		0.310		0.370		0.390		0.400		0.410		0.440						0.240						
	1-Nov-12		0.360		0.460		0.400		0.730		0.470		0.770		0.600		0.560						0.120						
	1-Feb-13		0.130		0.095		0.073		0.120		0.090		0.210		0.440		0.092						0.140						
	29-Apr-13		0.610		0.560		0.630		0.680		0.650		0.046		0.650		0.580						0.320						
	9-Jul-13		0.270		0.240		0.230		0.260		0.250		0.320		0.440		0.280						0.280						
	9-Jul-13 RIDEM		NS		NS		NS		NS		NS		NS		NS		NS						0.281		0.28			0.35	
	18-Oct-13		0.140	U	0.140	U	0.150		0.140		0.180		0.210		0.170		0.180						0.140						
	9-Jan-14		0.140		0.190		0.140	U	0.160		0.190		0.190		0.160		0.520						0.190						
	24-Apr-14		0.068	U	0.068	U	0.068	U	0.068	U	0.140	U	0.068	U	0.068	U	0.140						0.068						
	1-Aug-14		0.590		0.510		0.240		0.970		3.800		0.360		10.000/14.000		0.810						0.068						
12-Sept-14 resample		NS		NS		NS		NS		NS		NS		0.084		NS						NS							
22-Oct-14		0.420		0.360		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U					0.500							
20-Jan-15		0.068	U	0.160		0.150		0.170		0.068		0.280		0.100		4.200						0.100							
30-Mar-15 resample		NS		NS		NS		NS		NS		NS		NS		0.094						NS							
22-Apr-15		0.620		0.790		1.300		2.000		2.000		0.790		1.500		1.300						0.190							
21-Jul-15		1.300		0.410 <sup>A</sup>		2.700		0.350 <sup>J</sup>		0.390		0.390		26.000		0.740						0.350 <sup>J</sup>							
Toluene	8-Feb-08		1.240		1.140		1.120		1.150		1.240		0.990		0.910		1.030					1.480							
	27-Mar-08		6.470		4.040		4.520		4.150		5.920		4.210		5.570		4.040					1.560							
	25-Apr-08		4.800		4.000		2.810		3.900		3.790		4.070		4.010		3.660					0.465							
	29-May-08		0.930		0.790		1.330		0.870		1.020		1.060		1.020		0.670						0.320						
	27-Jun-08		3.870		3.060		3.200		3.850		4.110		3.840		4.520		3.020						2.410						
	31-Jul-08		2.760		2.020		2.690		1.990		2.720		2.200		1.680		1.440						1.850						
	28-Aug-08		5.230		5.960		7.800		7.530		5.920		5.640		5.680		5.240						6.050						
	30-Sep-08		1.900	U	1.900	U	1.900		1.900		5.000		1.900	U	1.900	U	2.300					1.900			U				
	27-Oct-08		6.700		6.300		3.500		6.100		2.300																		

**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	CI 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 <sup>a</sup>	8-Feb-08	500.0	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U					0.110	U				
	27-Mar-08		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U					0.109	U				
	25-Apr-08		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U					0.109	U				
	29-May-08		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U					0.110	U				
	27-Jun-08		0.110	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					0.109	U				
	31-Jul-08		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U					0.109	U				
	28-Aug-08		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U					0.109	U				
	30-Sep-08		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					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					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					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					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					2.700	U				
	25-Feb-09		2.700	U	2.700	U	2.700	U	2.700	U	NS		2.700	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					0.109	U				
	29-Apr-09		0.120	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.153	U	0.229	U	0.174	U					0.109	U				
	22-Jul-09		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U					0.109	U				
	9-Oct-09		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U					0.109	U				
	15-Jan-10		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U					0.109	U				
	21-Apr-10		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U					0.109	U				
	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					0.109	U				
	15-Oct-10		0.109	U	0.109	U	1.090	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U					0.109	U				
	30-Nov-10		NS		0.109	U	0.109	U	0.109	U	NS		NS		NS		0.109	U	NS						NS					
	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	0.186	U	0.185	U	0.185	U	0.185	U	0.185	U		
	26-Jan-11**		NS		0.270	U	0.270	U	NS		NS		NS		NS		0.270	U	NS		NS		0.185	U	0.186	U	NS			
	27-Apr-11		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U					0.109	U		
	26-Jul-11		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U					0.109	U		
	28-Oct-11		0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U					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	0.190	U					0.190	U		
	13-Apr-12		0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U					0.110	U		
	2-Jul-12 resample		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS						0.082	U		
	20-Jun-12		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U					0.110	U		
	1-Nov-12		0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U					0.055	U		
	1-Feb-13		0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U					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	0.055	U					0.055	U		
	9-Jul-13		0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U					0.055	U	0.055	U
	9-Jul-13 RIDEM		NS		NS		NS		NS		NS		0.041	J	NS		NS		NS		NS						0.034	J	0.033	J
	18-Oct-13		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U					0.110	U		
	9-Jan-14		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U					0.110	U		
	24-Apr-14		0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U	0.055	U					0.055	U		
	1-Aug-14		0.110	U	0.110	U	0.110	U	0.160	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U					0.110	U		
	12-Sept-14 resample		NS		NS		NS		NS		NS		NS		NS		0.055	U	NS		NS						NS			
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	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	0.055	U	0.082	U	0.270	U					0.082	U				
30-Mar-15 resample	NS		NS		NS		NS		NS		NS		NS		NS		NS		0.063	U					NS					
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	0.055	U					0.055	U				
21-Jul-15	0.300	U	0.300 <sup>A</sup>	U	0.300	U	0.300	U	0.300	U	0.300	U	0.300	U	0.300	U	0.300	U	0.300	U					0.300	U				
1,1,2-Trichloroethane	8-Feb-08	2.2	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U					0.110	U				
	27-Mar-08		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U					0.109	U				
	25-Apr-08		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U					0.109	U				
	29-May-08		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U					0.110	U				
	27-Jun-08		0.109	U	0.109	U	0.109	U	0.110	U	0.110	U	0.110	U	0.110	U	0.302	U	0.109	U	0.109	U					0.110	U		
	31-Jul-08		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U					0.109	U		
	28-Aug-08		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U					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</														

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

Volatile Organic Compounds via TO-15	Sample Date	CF 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			
Trichloroethene <sup>e</sup>	8-Feb-08	1.0	0.110		0.120		0.110	U	0.107	U	0.110	U	0.110	U	0.350	Qual	0.110	U					0.110	U				
	27-Mar-08		0.239		0.233		0.218		0.226		0.325		0.308		0.217		0.170						0.107	U				
	25-Apr-08		0.107	U	0.164		0.147		0.272		0.151		0.152		0.158		0.229						0.107	U				
	29-May-08		0.110	U	0.110	U	0.110	U	0.107	U	0.110	U	0.110	U	0.110	U	0.110	U					0.110	U				
	27-Jun-08		0.110	U	0.110	U	0.110	U	0.107	U	0.107	U	0.110	U	0.107	U	0.143		0.195				0.107	U				
	31-Jul-08		0.113		0.107	U	0.107	U	0.107	U	0.107	U	0.107	U	0.107	U	0.107	U	0.107	U			0.107	U				
	28-Aug-08		0.193		0.116		0.107	U	0.107	U	0.146		0.134		0.110		0.107		0.107	U			0.838					
	30-Sep-08		0.800	U	0.800	U	0.800	U	0.800	U	0.800	U	0.800	U	0.800	U	0.800	U	0.800	U			0.800	U				
	27-Oct-08		0.800	U	0.800	U	0.800	U	0.800	U	0.800	U	0.800	U	0.800	U	0.800	U	0.800	U			0.800	U				
	25-Nov-08		0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U			0.540	U				
	18-Dec-08		0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U			0.540	U				
	21-Jan-09		0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U			0.540	U				
	25-Feb-09		0.110	U	0.110	U	0.110	U	NS		NS		0.110	U	0.110	U	0.110	U	0.110	U			0.130	U				
	26-Mar-09		4.000		0.326		1.510		0.438		0.639		1.180		1.610		0.450		6.870									
	29-Apr-09		0.107	U	0.107	U	0.107	U	0.107	U	0.107	U	0.107	U	0.107	U	0.107	U	0.107	U			0.107	U				
	22-Jul-09		0.177		0.107		0.188		0.123		0.193		0.709		0.140		0.177		0.209									
	9-Oct-09		0.231		0.215		0.182		0.193		0.242		0.156		0.156		0.156		0.107	U			0.107	U				
	15-Jan-10		0.107		0.107		0.113		0.107	U	0.107	U	0.107	U	0.107	U	0.107	U	0.107	U			0.107	U				
	21-Apr-10		0.247		0.580		0.279		0.505		0.376		0.360		0.419		0.456		0.107	U			0.107	U				
	16-Jul-10		0.107	U	0.107	U	0.107	U	0.220		0.107	U	0.107	U	0.107	U	0.107	U	0.107	U			0.107	U				
	15-Oct-10		0.107	U	0.107	U	0.107	U	0.107	U	0.107	U	0.107	U	0.107	U	0.107	U	0.107	U			0.107	U				
	30-Nov-10		NS		0.107	U	0.107	U	NS		NS		NS		NS		0.109	U	NS				NS					
	26-Jan-11		0.568		0.502		0.531		0.604		0.504		0.584		0.429		0.550		0.484		0.467		0.767					
	26-Jan-11**		NS		0.570		0.600		NS		NS		NS		0.600		NS		NS				NS					
	27-Apr-11		0.107	U	0.107	U	0.107	U	0.107	U	0.107	U	0.107	U	0.107	U	0.107	U	0.107	U			0.107	U				
	26-Jul-11		0.107	U	0.107	U	0.118	U	0.107	U	0.107	U	0.107	U	0.107	U	0.107	U	0.107	U			0.107	U				
	28-Oct-11		0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U			0.054	U				
	23-Jan-12		0.190	U	0.190	U	0.190	U	0.290	U	0.190	U	0.190	U	0.190	U	0.190	U	0.190	U			0.190	U				
	13-Apr-12		0.081	U	0.081	U	0.081	U	0.081	U	0.090	U	0.081	U	0.081	U	0.081	U	0.081	U			0.110	U				
	2-Jul-12 resample		NS		NS		NS		NS		NS		NS		NS		NS		NS				0.081	U				
	20-Jun-12		0.110	U	0.110	U	0.110	U	0.110	U	0.120	U	0.110	U	0.110	U	0.110	U	0.110	U			0.110	U				
	1-Nov-12		0.054	U	0.054	U	0.067	U	0.054	U	0.054	U	0.054	U	0.054	U	0.054	U	0.054	U			0.054	U				
	1-Feb-13		0.054	U	0.054	U	0.054	U	0.054	U	0.054	U	0.054	U	0.054	U	0.054	U	0.054	U			0.054	U				
	29-Apr-13		0.120	U	0.110	U	0.110	U	0.130	U	0.120	U	0.120	U	0.110	U	0.110	U	0.110	U			0.054	U				
	9-Jul-13		0.160		0.140		0.140		0.150		0.120		0.400		0.280		0.310		0.080									
	9-Jul-13 RIDEM		NS		NS		NS		NS		0.119		NS		NS		NS		0.088				0.09			0.097		
	18-Oct-13		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.390		0.110	U			0.110	U				
	9-Jan-14		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U			0.110	U				
	24-Apr-14		0.054	U	0.054	U	0.054	U	0.054	U	0.054	U	0.054	U	0.054	U	0.110	U	0.054	U			0.054	U				
	1-Aug-14		0.110	U	0.110	U	0.110	U	1.700		NS		NS		0.270		0.140		1.100				NS					
	12-Sept-14 resample		NS		NS		NS		NS		NS		NS		NS		NS		NS				NS					
22-Oct-14	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U			0.180	U						
20-Jan-15	0.054	U	0.054	U	0.054	U	0.054	U	0.054	U	0.054	U	0.054	U	20.000		0.081	U			0.081	U						
30-Mar-15 resample	NS		NS		NS		NS		NS		NS		NS		NS		0.062	U			NS							
22-Apr-15	0.260		0.440		0.260 <sup>d</sup>		0.410		0.170		0.370		0.290		0.054		0.054	U			0.054	U						
21-Jul-15	0.260		0.14 <sup>d,A</sup>		0.260 <sup>d</sup>		0.240 <sup>d</sup>		0.300	U	0.200 <sup>d</sup>		0.190 <sup>d</sup>		0.300	U	0.300	U			0.300	U						
Trichlorofluoromethane	8-Feb-08	370.0	1.140		1.020		1.110		1.010		0.990		1.050		1.040		1.020						1.080					
	27-Mar-08		1.740		1.520		1.540		1.250		2.320		2.140		2.120		1.380						1.380					
	25-Apr-08		1.740		1.660		1.240		1.640		1.480		1.520		1.660		1.500						1.030					
	29-May-08		1.020		0.930		1.060		0.930		0.990		0.930		0.990		0.910		0.880				0.880					
	27-Jun-08		1.240		1.220		1.290		1.300		1.160		1.150		1.170		1.160		1.180				1.180					
	31-Jul-08		1.080		1.100		1.010		1.010		1.010		1.010		1.000		0.973		0.926				0.926					
	28-Aug-08		2.740		3.360		3.470		3.260		3.660		3.420		3.380		3.860		2.310				2.310					
	30-Sep-08		2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U			2.800	U				
	27-Oct-08		2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U			2.800	U				
	25-Nov-08		2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U			2.800	U				



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Volatile Organic Compounds via TO-15	Sample Date	C/D 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		
1,2,4-Trimethylbenzene	8-Feb-08	9.3	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						
	25-Apr-08		0.998		1.760		11.700		1.640		0.909		1.840		0.911		0.750						0.098						
	29-May-08		0.300		0.470		8.320		6.680		0.270		0.960		0.690		0.110						0.100						
	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						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	U	NS	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		1.200		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						
	16-Jul-10		0.354		0.216		0.388		0.344		0.250		0.138		0.511		0.187						0.108						
	15-Oct-10		0.319		0.408		0.329		0.211		0.098	U	0.098	U	0.319	U	0.098	U					0.098	U					
	30-Nov-10		NS		0.334		0.560		NS		NS		NS		0.098	U	NS						NS						
	26-Jan-11		1.010		1.120		1.100		1.200		0.780		0.917		0.868		1.030		1.000				0.994	U					
	26-Jan-11**		NS		1.900		2.100		NS		NS		NS		2.000		NS						NS						
	27-Apr-11		0.138		0.280		2.080		0.255		0.147		0.113		0.172		0.113						0.128						
	26-Jul-11		0.575		2.160		1.120		0.285		0.236		0.157		0.290		0.177						0.123						
	28-Oct-11		0.340		0.220		0.300		0.290		0.230		0.260		0.310		0.330						0.098	U					
	23-Jan-12		0.660		0.580		0.580		0.710		0.380		1.000		0.520		0.650						0.470						
	13-Apr-12		0.400		0.410		0.760		0.480		0.340		0.340		0.290		0.360						0.240						
	2-Jul-12 resample		NS		NS		NS		NS		NS		NS		NS		NS	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		0.510		0.320		0.580		0.440						0.130						
	9-Jul-13		0.480		0.410		0.280		0.340		0.440		0.230		0.300		0.240						0.190						
	9-Jul-13 RIDEM		NS		NS		NS		NS		0.470		NS		NS		NS						0.230					0.25	
	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	U	0.150	U					0.160	U							
20-Jan-15	0.150		0.560		0.098	U	0.160	U	0.098	U	0.370	U	0.170	U	0.490						0.150	U							
30-Mar-15 resample	NS		NS		NS		NS		NS		NS		NS		NS						NS								
22-Apr-15	0.380		0.510		0.570		0.630		0.450		0.630		0.350		0.480						0.190								
21-Jul-15	0.750		0.360 <sup>A</sup>		0.250		0.190 <sup>J</sup>		0.200 <sup>J</sup>		0.290		0.180 <sup>J</sup>		0.150 <sup>J</sup>						0.300	U							
1,3,5-Trimethylbenzene	8-Feb-08	9.3	0.460		0.450		1.300		0.980		0.100	U	0.100	U	0.100	U	0.100	U					0.100						
	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		1.360		0.671		1.360		0.570		1.190		0.098	U					0.098	U					
	28-Aug-08		0.170		0.732		1.950		2.990		0.270		0.181		0.181		0.155						0.100						
	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						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	U	NS	U	2.500	U	2.500	U	2.500	U					2.500	U					
	26-Mar-09		0.330		0.315		0.678		0.540		0.194		0.185		0.246		0.198						0.238						
	29-Apr-09		0.098	U	0.192		0.678		0.629		0.098		0.098	U	0.098	U	0.098	U					0.098	U					
	22-Jul-09		0.378		0.098	U	0.427		0.138		0.246		0.270		0.295		0.241						0.241						
	9-Oct-09		0.550		0.452		0.476		0.599		0.255		0.265		0.221		0.241						0.226						
	15-Jan-10		0.265		0.260		0.192		0.206		0.098		0.098	U	0.098	U	0.098	U					0.098	U					
	21-Apr-10		0.118		0.368		2.100		2.600		0.206		0.187		0.162		0.177						0.098	U					
	16-Jul-10		0.113		0.098	U	0.138		0.118		0.098		0.098	U	0.147														

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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	
Vinyl chloride*	8-Feb-08	0.1	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	U	U
	27-Mar-08		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.050	U	0.050	U	0.050	U	0.051	U	U	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	0.051	U	U	U
	29-May-08		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	U	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	0.050	U	U	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	0.051	U	U	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	0.051	U	U	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	0.100	U	U	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	0.100	U	U	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	0.100	U	U	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	0.100	U	U	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	0.100	U	U	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	0.100	U	U	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	0.051	U	U	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	0.051	U	U	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	0.051	U	U	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	0.051	U	U	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	0.051	U	U	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	0.051	U	U	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	0.051	U	U	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	0.051	U	U	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	NS	U	U	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	0.087	U	U	U
	26-Jan-11**		NS	U	0.130	U	0.130	U	NS	U	NS	U	NS	U	NS	U	0.130	U	NS	U	NS	U	NS	U	NS	U	U	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	0.051	U	U	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	0.051	U	U	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	0.038	U	U	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	0.090	U	U	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	0.100	U	U	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	NS	U	U	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	0.051	U	U	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	0.026	U	U	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	0.051	U	0.026	U	0.026	U	0.026	U	0.026	U	U	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	0.026	U	U	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.86	0.026	U	0.026	U	0.026	U	0.026	U	U	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	NS	U	U	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	0.053	U	0.051	U	0.051	U	U	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	0.051	U	U	U
	24-Apr-14		0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.051	U	0.026	U	0.280	U	0.026	U	0.026	U	0.026	U	0.026	U	U	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	0.051	U	U	U
12-Sept-14 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	U	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	0.038	U	U	U		
20-Jan-15	0.026 <sup>L</sup>	U	0.026 <sup>L</sup>	U	0.026 <sup>L</sup>	U	0.026 <sup>L</sup>	U	0.026 <sup>L</sup>	U	0.026 <sup>L</sup>	U	0.026 <sup>L</sup>	U	0.038 <sup>L</sup>	U	0.026 <sup>L</sup>	U	0.026 <sup>L</sup>	U	0.026 <sup>L</sup>	U	0.038 <sup>L</sup>	U	U	U		
30-Mar-15 resample	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	0.029	U	NS	U	NS	U	U	U		
22-Apr-15	0.026	U	0.026	U	0.026 <sup>V</sup>	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	U	U		
21-Jul-15	0.100	U	0.100 <sup>A</sup>	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.200	U	0.100	U	0.100	U	0.100	U	0.100	U	U	U		
p/m-Xylene	8-Feb-08	220.0	0.710		0.660		2.110		1.460		0.550		0.450		0.390		0.420						0.580					
	27-Mar-08		2.460		2.080		3.510		2.960		2.620		2.890		1.810		1.910						0.269					
	25-Apr-08		2.220		1.870		8.240		2.170		1.960		2.080		2.150		1.850							0.205				
	29-May-08		0.350		0.290		5.110		0.290		2.260		0.410		0.340		0.250		0.170					0.170				
	27-Jun-08		1.060		1.080		3.280		3.000		1.250		0.994		2.160		0.926		0.795					0.795				
	31-Jul-08		1.360		1.160		3.330		1.140		1.370		0.656		1.370		0.488		0.656					0.656				
	28-Aug-08		2.130		3.220		8.690		8.200		1.910		2.190		2.280		1.960		2.240					2.240				
	30-Sep-08		4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U				4.300	U			
	27-Oct-08		4.300	U	4.300	U	4.300	U	5.000	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U				4.300	U			
	25-Nov-08		4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U				4.300	U			

**Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds  
February 2008 - July 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	
p-Xylene	8-Feb-08		0.280		0.270		0.870		0.610		0.210		0.170		0.150		0.160							0.200			
	27-Mar-08		0.762		0.718		1.340		1.120		0.920		1.060		0.640		0.668							0.087	U		
	25-Apr-08		0.824		0.724		3.480		0.821		0.750		0.770		0.786		0.680							0.087	U		
	29-May-08		0.130		0.120		2.080		1.000		0.110		0.180		0.150		0.090							0.090	U		
	27-Jun-08		0.463		0.393		1.030		1.030		0.485		0.358		0.833		0.339							0.332			
	31-Jul-08		0.476		0.375		0.822		0.371		0.420		0.583		0.240		0.207							0.246			
	28-Aug-08		0.779		1.020		2.210		2.160		0.683		0.787		0.812		0.702							0.832			
	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	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	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	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	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	U		
	25-Feb-09		2.200	U	2.200	U	2.600		NS		2.200	U	2.200	U	2.200	U	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			
	29-Apr-09		0.143		0.186		0.085	U	0.442		0.165		0.100		0.104		0.108							0.156			
	22-Jul-09		0.347		0.195		0.690		0.247		0.555		0.742		0.911		0.590							1.240			
	9-Oct-09		0.850		0.724		0.954		0.920		0.764		0.720		0.764		0.698							0.759			
	15-Jan-10		0.404		0.321		0.356		0.338		0.273		0.230		0.256		0.230							0.273			
	21-Apr-10		0.425		0.686		1.260		0.577		0.629		0.564		0.564		0.482							0.087	U		
	16-Jul-10		0.273		0.186		0.312		0.304		0.503		0.200		0.703		0.230							0.126			
	15-Oct-10		0.186		0.265		0.347	U	0.130		0.139	U	0.087	U	2.000		0.087							0.104			
	30-Nov-10		NS		0.226		0.325		NS		NS		NS		0.091		NS							NS			
	26-Jan-11		1.000		0.981		1.020		1.150		0.948		1.030		0.922		1.270							1.280			
	26-Jan-11**		220.0		1.600		1.900		NS		NS		NS		1.900		NS							NS			
	27-Apr-11		0.133		0.134		0.616		0.208		0.824		0.091		0.152		0.080							0.095			
	26-Jul-11		0.439		1.520		2.210		0.295		0.395		0.308		0.308		0.165							0.139			
	28-Oct-11		0.810		0.360		0.440		0.260		0.450		0.550		0.660		0.470							0.180			
	23-Jan-12		0.630		0.520		0.530		0.620		0.580		0.580		0.580		0.600							0.590			
	13-Apr-12		0.320		0.270		0.320		0.270		0.280		0.300		0.270		0.220							0.200			
	2-Jul-12 resample		NS		NS		NS		NS		NS		NS		NS		0.130							0.130	U		
	20-Jun-12		0.470		0.056		0.430		0.580		0.490		0.460		0.530		0.510							0.280			
	1-Nov-12		0.860		0.480		0.350		0.510		0.480		0.780		0.930		0.710							0.140			
	1-Feb-13		0.110		0.089		0.087	U	0.087	U	0.092		0.090		0.220		0.087							0.140			
	29-Apr-13		0.590		0.460		0.450		0.450		0.330		0.310		0.330		0.430							0.120			
9-Jul-13		0.350		0.320		0.300		0.350		0.340		0.300		0.330		0.310							0.290				
9-Jul-13 RIDEM		NS		NS		NS		NS		0.405		NS		NS		NS							0.330				
18-Oct-13		0.660		0.100		0.100		0.500		0.770		0.110		1.300		0.850							0.460				
9-Jan-14		4.000		6.100		0.160		0.160		0.160		0.160		0.330		0.190							0.140				
24-Apr-14		0.087	U	0.087	U	0.094		0.087		0.087	U	0.087	U	0.099		0.120							0.087	U			
1-Aug-14		0.200		0.160		0.310		0.700		0.690		0.230		0.940		0.770							0.560				
12-Sept-14 resample		NS		NS		NS		NS		NS		NS		0.130		NS							NS				
22-Oct-14		0.220		0.160		0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.160							0.250				
20-Jan-15		0.130		0.180		0.140		0.200		0.150		0.200		0.260		0.260							0.270				
30-Mar-15 resample		NS		NS		NS		NS		NS		NS		NS		0.140							NS				
22-Apr-15		0.560		0.640		0.590		0.560		0.810		0.460		0.630		0.620							0.200				
21-Jul-15		0.660		0.260 <sup>A</sup>		0.290		0.330		0.290		0.280		0.300		0.220							0.390 <sup>J</sup>				

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.

<sup>1</sup>: exceedance of interim RIDEM-approved action level

<sup>2</sup>: Site Specific Compound of Concern per ATSDR Health Consultation, December 4, 2006.

<sup>3</sup>: Analyzed by Con-Test Analytical Laboratory

<sup>1</sup>: Elevated Data is a result of inadvertent cross-contamination at the laboratory, and not resultant from soil vapor intrusion. Media Center/Room 145 was resampled on 28 January 2008 with Tetrachloroethylene concentration not detected by the laboratory (MDL = 0.14 ug/m<sup>3</sup>)

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

<sup>3</sup>: Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.

<sup>4</sup>: Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

<sup>5</sup>: Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

<sup>6</sup>: Estimated result as the result was between the MDL and the RDL.

<sup>A</sup>: Summa canister had low pressure upon beginning sample collection, possible interference.

## APPENDIX C

### Subslab Vapor Analytical Summary

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

Sample Date	MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual
8-Feb-08	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		34		NS		33.9	
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		NS		44.1		NS		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		NS		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	U	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		58.5		148		NS		87.8		NS		NS		96		88.1		NS	
9-Oct-09	NS		25.7		NS		NS		49.7		NS		9.2		11100		6.51		NS		16.8	
15-Jan-10	33.6		NS		90.9		22.8		NS		26.3		NS		NS		12.5		NS		11.2	
21-Apr-10	NS		21.9		NS		NS		206		NS		263		2870		72.8		NS		73.4	
16-Jul-10	654		NS		4800		202		NS		11400		NS		NS		8.34		21.1		NS	
15-Oct-10	NS		11.3		NS		NS		26		NS		10.2		NS		18.3		NS		21.2	
26-Jan-11	114		26.8		NS		54.4		NS		34.4		NS		NS		25.3		33.3		NS	
28-Feb-11	NS		NS		80.8		NS		NS		NS		NS		NS		NS		NS		NS	
27-Apr-11	NS		106		NS		NS		255		NS		220		227		17.8		NS		58.2	
26-Jul-11	76.2		NS		120		154	E	NS		2730		NS		NS		12.8		23.8		NS	
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		38		29		NS	
13-Apr-12	NS		32		NS		NS		70		NS		32		83		54		NS		43	
2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
23-Jun-12	21		NS		30		370		NS		1600		NS		NS		43		NS	U	NS	
1-Nov-12	NS		41		NS		NS		52		NS		75		44		35		NS		43	
1-Feb-13	17		NS		12		25		NS		36		NS		NS		16		NS		NS	
29-Apr-13	NS		45		NS		NS		100		NS		68		62		33		NS		43	
9-Jul-13	100		NS		170		130		NS		260		NS		NS		80		NS		NS	
18-Oct-13	NS		43		NS		NS		61		NS		47		57		48		NS		42	
9-Jan-14	250		NS		16		25		NS		11		NS		NS		24		33		NS	
24-Apr-14	NS		18		NS		NS		13		NS		41		15		42		NS		30	
1-Aug-14	31 <sup>M</sup>		NS		110/99 <sup>M</sup>	E	110/100 <sup>M</sup>	E	NS		NS		NS		NS		31 <sup>M</sup>		57/50 <sup>M</sup>	E	NS	
27-Aug-14	NS		NS		NS		NS		NS		210 <sup>F</sup> / 130		NS		NS		NS		NS		NS	
12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		15		NS		NS		NS	
22-Oct-14	NS		31		NS		NS		14		5.3		17		3.8		40		19		NS	
20-Jan-15	14		NS		23		23		NS		16		NS		NS		39		72		NS	
30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		45		NS	
22-Apr-15	NS		87 <sup>V</sup>		NS		NS		1.9 <sup>V</sup>	U	NS		43		55 <sup>L,V,68</sup>		42		NS		49	
21-Jul-15	12		NS		22		20		NS		9.2		NS		NS		42 <sup>O</sup>		11 <sup>O</sup>		NS	
8-Feb-08	1.08	U	NS		NS		NS		1.08	U	NS		NS		NS		1.08	U	1.08	U	NS	U
27-Mar-08	NS		1.08	U	NS		NS		NS		NS		NS		NS		NS		1.08	U	1.08	U
25-Apr-08	NS		NS		1.08	U	NS		NS		NS		1.08	U	NS		1.08	U	NS		1.08	U
29-May-08	NS		NS		NS		1.08	U	NS		NS		NS		1.08	U	1.08	U	NS		NS	U
27-Jun-08	1.69	U	NS		NS		NS		1.08	U	NS		NS		NS		NS		1.08	U	1.08	U
31-Jul-08	NS		1.08	U	NS		NS		NS		NS		NS		NS		1.08	U	NS		1.08	U
28-Aug-08	NS		NS		1.08	U	NS		NS		NS		1.08	U	NS		1.08	U	NS		NS	U
30-Sep-08	NS		NS		NS		2.2	U	NS		NS		NS		2.2	U	NS		2.2		2.2	U
27-Oct-08	2.2	U	NS		NS		NS		2.2	U	NS		NS		NS		2.2	U	NS		2.2	U
25-Nov-08	NS		2.2	U	NS		NS		2.2		NS	U	NS		NS		2.2	U	NS		NS	U
18-Dec-08	NS		NS		2.2	U	NS		NS		NS		2.2	U	NS		NS		2.2	U	2.2	U
21-Jan-09	NS		NS		NS		2.2	U	NS		NS		NS		NS		2.2	U	NS		2.2	U
25-Feb-09	2.2	U	NS		NS		NS		2.2	U	NS		NS		NS		2.2	U	NS		NS	U
26-Mar-09	NS		5.42	U	NS		NS		NS		10.8	U	NS		NS		NS		1.08	U	1.08	U
29-Apr-09	NS		NS		1.08	U	NS		NS		NS		1.08	U	NS		1.08	U	NS		1.08	U
22-Jul-09	5.42	U	NS		5.42	U	10.8	U	NS		5.42	U	NS		NS		1.08	U	1.08	U	NS	U
9-Oct-09	NS		0.051	U	NS		NS		1.08	U	NS		1.08	U	226	U	1.08	U	NS		1.08	U
15-Jan-10	1.08	U	NS		1.08	U	1.08	U	NS		1.08	U	NS		NS		1.08	U	NS		NS	U
21-Apr-10	NS		1.08	U	NS		NS		5.42	U	NS		5.42	U	NS		1.08	U	NS		1.08	U
16-Jul-10	1.08	U	NS		1.08	U	1.08	U	NS		8.19	U	NS		NS		1.08	U	NS		NS	U
15-Oct-10	NS		0.108	U	NS		NS		1.08	U	NS		1.08	U	NS		1.08	U	NS		1.08	U
26-Jan-11	10.8	U	1.08	U	NS		1.08	U	NS		5.42	U	NS		5.42	U	5.42	U	NS		NS	U
28-Feb-11	NS		NS		10.8	U	NS		NS		NS		NS		NS		NS		NS		NS	U
27-Apr-11	NS		1.08	U	NS		NS		1.08	U	NS		1.08	U	NS		1.08	U	NS		1.08	U
26-Jul-11	3.62	U	NS		3.62	U	1.08	U	NS		5.42	U	NS		NS		1.08	U	NS		NS	U
28-Oct-11	NS		6.2	U	NS		NS		6.2	U	NS		6.2	U	NS		6.2	U	NS		6.2	U
23-Jan-12	1.2	U	NS		1.2	U	1.2	U	NS		1.2	U	NS		NS		1.2	U	NS		NS	U
13-Apr-12	NS		1.2	U	NS		NS		1.2	U	NS		1.2	U	NS		1.2	U	NS			

Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds  
February 2008 - July 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		0.462		NS		NS		NS		NS		0.788		0.635		
	25-Apr-08	NS		NS		0.584		NS		NS		NS		0.745		NS		0.428		NS		0.536		
	29-May-08	NS		NS		NS		0.73		NS		NS		NS		1.03		1.12		0.61		NS		
	27-Jun-08	0.626		NS		NS		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		NS		1.6	U	NS		NS		NS		1.6	U	NS		1.6	U	
	25-Nov-08	NS		1.6	U	NS		NS		NS		1.6	U	NS		NS		1.6	U	1.6	U	NS		
	18-Dec-08	NS		NS		1.6	U	NS		NS		NS		1.6	U	NS		NS		1.6	U	1.6	U	
	21-Jan-09	NS		NS		NS		1.6	U	NS		NS		NS		1.6	U	1.6	U	NS		1.6	U	
	25-Feb-09	1.6	U	NS		NS		NS		1.6	U	NS		NS		NS		1.6	U	1.6	U	NS		
	26-Mar-09	NS		2.1		NS		NS		NS		2.23	U	NS		NS		NS		0.945		1.48		
	29-Apr-09	NS		NS		0.603		NS		NS		NS		0.246		NS		0.223	U	NS		0.367		
	22-Jul-09	1.12	U	NS		56		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		46.6	U	0.619		NS		0.824		
	15-Jan-10	0.763		NS		0.887		0.98		NS		1.26		NS		NS		0.964		0.964		NS		
	21-Apr-10	NS		0.373		NS		NS		0.16	U	NS		1.6	U	1.61		0.635		NS		1.26		
	16-Jul-10	0.332		NS		1.53		0.889		NS		2.41	U	NS		NS		0.319	U	0.319	U	NS		
	15-Oct-10	NS		0.319	U	NS		NS		0.319	U	NS		0.319	U	NS		0.319	U	NS		0.319	U	
	26-Jan-11	3.19	U	2.49		NS		2.46		NS		1.6	U	NS		1.85		1.8		1.9		NS		
	28-Feb-11	NS		NS		NS		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	U	
	26-Jul-11	1.06	U	NS		1.06	U	0.434		1.6	U	NS		NS		NS		0.319	U	1.6	U	NS		
	28-Oct-11	NS		1.6	U	NS		NS		1.6	U	NS		1.6	U	1.6	U	1.6	U	NS		1.6	U	
	23-Jan-12	0.84		NS		1.2		0.98		NS		0.81		NS		NS		1.4		1.5		NS		
	13-Apr-12	NS		0.32	U	NS		NS		0.32	U	NS		0.32	U	0.32	U	0.32	U	NS		0.32	U	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		1.6	U	NS		
	23-Jun-12	0.45		NS		0.61		0.88		NS		0.43		NS		NS		NS		0.42		NS		
	1-Nov-12	NS		0.45		NS		NS		0.43		NS		0.49		0.56		0.61		NS		1		
	1-Feb-13	0.33		NS		0.45		0.47		NS		0.35		NS		NS		0.45		0.46		NS		
	29-Apr-13	NS		0.41		NS		NS		0.38		NS		0.41		0.47		0.63		NS		0.67		
	9-Jul-13	0.64		NS		0.93		0.76		NS		0.70		NS		NS		0.65		0.42		NS		
	18-Oct-13	NS		0.66		NS		NS		0.63		NS		0.86		1.0		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		
	24-Apr-14	NS		0.3		NS		NS		0.22		NS		0.32		0.23		0.39		0.34		0.35		
	1-Aug-14	0.49		NS		0.79/0.76		0.68/0.69		NS		NS		NS		NS		0.34		0.43		NS		
	27-Aug-14	NS		NS		NS		NS		0.69		NS		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		0.28		NS		NS		0.21		0.19		0.34		0.14		0.36		0.32		NS		
	20-Jan-15	0.42		NS		0.33		0.45		NS		0.31		NS		NS		0.63		0.46		NS		
	30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		0.41		NS		
	22-Apr-15	NS		0.48		NS		NS		0.35		NS		0.46		0.57/0.60		0.84		NS		0.93		
	21-Jul-15	0.35		NS		0.520 <sup>1</sup>		3	U	NS		0.29		NS		NS		0.29 <sup>o</sup>		0.41 <sup>o</sup>		NS		
Bromodichloromethane	8-Feb-08	0.13	U	NS		NS		NS		0.13	U	NS		NS		NS		0.13	U	0.13	U	NS	U	
	27-Mar-08	NS		0.134	U	NS		NS		NS		0.134	U	NS		NS		NS		0.134	U	0.134	U	
	25-Apr-08	NS		NS		0.134	U	NS		NS		NS		0.134	U	NS		NS		0.134	U	0.134	U	
	29-May-08	NS		NS		NS		0.13	U	NS		NS		NS		0.13	U	0.13	U	NS		NS	U	
	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	U	
	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		0.13	U	NS		NS		NS		0.13	U	3		NS	U	
	18-Dec-08	NS		NS		0.13	U	NS		NS		NS		0.13	U	NS		NS		0.13	U	0.13	U	
	21-Jan-09	NS		NS		NS		0.13	U	NS		NS		NS		0.13	U	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	U	
	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	U	
	9-Oct-09	NS		0.134	U	NS		NS		0.134	U	NS		0.134	U	NS		28	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	U	
	21-Apr-10	NS		0.134	U	NS		NS		0.67	U	NS		0.67	U	NS		0.134	U	NS		0.134	U	
	16-Jul-10	0.134	U	NS		0.134	U	0.134	U	NS		1.01	U	NS		NS		0.134	U	0.134	U	NS	U	
	15-Oct-10	NS		0.134	U	NS		NS		0.134	U	NS		0.134	U	0.134	U	0.134	U	0.134	U	NS	U	
	26-Jan-11	1.34	U	0.134	U	NS		0.134	U	NS		0.67	U											

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

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	
<b>Volatile Organic Compounds via TO-15</b>																							
<b>Bromoform</b>	8-Feb-08	0.21	U	NS		NS		NS		0.21	U	NS		NS		NS		0.21	U	0.21	U	NS	
	27-Mar-08	NS		0.206	U	NS		NS		NS		0.206	U	NS		NS		NS		0.206	U	0.206	U
	25-Apr-08	NS		NS		0.206	U	NS		NS		NS		0.206	U	NS		0.206	U	NS		0.206	U
	29-May-08	NS		NS		NS		0.21	U	NS		NS		0.21	U	NS		0.21	U	NS		NS	
	27-Jun-08	0.322	U	NS		NS		NS		0.206	U	NS		NS		NS		NS		0.206	U	0.206	U
	31-Jul-08	NS		0.206	U	NS		NS		NS		NS		NS		NS		0.206	U	NS		0.206	U
	28-Aug-08	NS		NS		0.206	U	NS		NS		NS		0.206	U	NS		0.206	U	NS		NS	
	30-Sep-08	NS		NS		NS		0.41	U	NS		NS		NS		0.41	U	NS		0.41	U	0.41	U
	27-Oct-08	0.41	U	NS		NS		NS		0.41	U	NS		NS		NS		0.41	U	NS		0.41	U
	25-Nov-08	NS		0.14	U	NS		NS		NS		0.41	U	NS		NS		0.41	U	NS		NS	
	18-Dec-08	NS		NS		0.41	U	NS		NS		NS		0.41	U	NS		NS		0.41	U	0.41	U
	21-Jan-09	NS		NS		NS		0.41	U	NS		NS		NS		0.41	U	NS		NS		0.41	U
	25-Feb-09	0.41	U	NS		NS		NS		0.14	U	NS		NS		NS		0.41	U	NS		NS	
	26-Mar-09	NS		1.03	U	NS		NS		NS		2.06	U	NS		NS		NS		0.206	U	0.206	U
	29-Apr-09	NS		NS		0.206	U	NS		NS		NS		0.206	U	NS		0.206	U	NS		0.206	U
	22-Jul-09	1.03	U	NS		42	U	2.06	U	NS		1.03	U	NS		NS		0.206	U	0.206	U	NS	
	9-Oct-09	NS		0.206	U	NS		NS		0.206	U	NS		0.206	U	43.1	U	0.206	U	NS		0.206	U
	15-Jan-10	0.206	U	NS		0.206	U	0.206	U	NS		0.206	U	NS		NS		0.206	U	0.206	U	NS	
	21-Apr-10	NS		0.206	U	NS		NS		1.03	U	NS		1.03	U	1.03	U	0.206	U	NS		0.206	U
	16-Jul-10	0.206	U	NS		0.206	U	0.206	U	NS		1.56	U	NS		NS		0.206	U	0.206	U	NS	
	15-Oct-10	NS		0.206	U	NS		NS		0.206	U	NS		0.206	U	NS		0.206	U	NS		NS	
	26-Jan-11	2.06	U	0.206	U	NS		0.206	U	NS		1.03	U	NS		1.03	U	1.03	U	NS		NS	
	28-Feb-11	NS		NS		2.06	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.206	U	NS		NS		0.206	U	NS		0.206	U	0.206	U	0.206	U	NS		0.206	U
	26-Jul-11	0.69	U	NS		0.69	U	0.207	U	NS		1.03	U	NS		NS		0.207	U	1.03	U	NS	
	28-Oct-11	NS		5.2	U	NS		NS		5.2	U	NS		5.2	U	5.2	U	5.2	U	NS		5.2	U
	23-Jan-12	1	U	NS		1	U	1	U	NS		1	U	NS		NS		1	U	1	U	NS	
	13-Apr-12	NS		1	U	NS		NS		1	U	NS		1	U	1	U	1	U	NS		1	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		5.2	U	NS	
	23-Jun-12	1	U	NS		1	U	1	U	NS		1	U	NS		NS		1	U	1	U	NS	
	1-Nov-12	NS		0.21	U	NS		NS		0.21	U	NS		0.21	U	0.21	U	0.21	U	NS		0.21	U
	1-Feb-13	0.21	U	NS		0.21	U	NS		0.21	U	NS		0.21	U	NS		0.21	U	0.21	U	NS	
	29-Apr-13	NS		0.52	U	NS		NS		0.21	U	NS		0.21	U	0.21	U	0.21	U	NS		0.21	U
	9-Jul-13	0.31	U	NS		0.21	U	0.21	U	NS		0.21	U	NS		NS		0.21	U	0.21	U	NS	
	18-Oct-13	NS		0.21	U	NS		NS		0.21	U	NS		0.21	U	NS		0.21	U	NS		0.21	U
	9-Jan-14	0.21	U	NS		0.21	U	0.21	U	NS		0.21	U	NS		NS		0.21	U	0.21	U	NS	
	24-Apr-14	NS		0.21	U	NS		NS		0.21	U	NS		0.21	U	0.21	U	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		0.21	U	0.21	U	NS	
	27-Aug-14	NS		NS		NS		NS		NS		0.21	U	NS		NS		NS		NS		NS	
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		0.13	U	NS		NS		NS	
	22-Oct-14	NS		0.31	U	NS		NS		0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.41	U	NS	
	20-Jan-15	0.21	U	NS		0.21	U	NS		0.21	U	NS		NS		NS		NS		0.21	U	NS	
	30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		0.23	U	NS	
	22-Apr-15	NS		0.21	U	NS		NS		0.21	U	NS		NS		0.03	U	NS		NS		0.24	U
	21-Jul-15	0.5	U	NS		2	U	10	U	NS		0.6	U	NS		NS		0.50 <sup>o</sup>	U	0.60 <sup>o</sup>	U	NS	
<b>2-Butanone</b>	8-Feb-08	126		NS		NS		NS		1.47	U	NS		NS		NS		3.08		10.6		NS	
	27-Mar-08	NS		226		NS		NS		NS		NS		NS		NS		NS		11.9		3.9	
	25-Apr-08	NS		NS		477		NS		NS		NS		1680		NS		2.24		NS		1.47	U
	29-May-08	NS		NS		NS		527		NS		NS		NS		591		2.27		3.04		NS	
	27-Jun-08	1080		NS		NS		NS		596		NS		NS		NS		NS		6.92		3.64	
	31-Jul-08	NS		1350		NS		NS		NS		NS		NS		NS		12		NS		2.56	
	28-Aug-08	NS		NS		8390		NS		NS		NS		102		NS		5.29		9.18		NS	
	30-Sep-08	NS		NS		NS		101		NS		NS		NS		194		NS		2		1.5	U
	27-Oct-08	53.5		NS		NS		NS		30.5		NS		NS		NS		2.4		NS		5.7	
	25-Nov-08	NS		802		NS		NS		NS		259		NS		NS		1.8		2.4		NS	
	18-Dec-08	NS		NS		5630		NS		NS		NS		8.3		NS		NS		2.6		3.3	
	21-Jan-09	NS		NS		NS		209		NS		NS		NS		24		1.5	U	NS		1.5	U
	25-Feb-09	30		NS		NS		NS		198		NS		NS		NS		1.5	U	1.5	U	NS	
	26-Mar-09	NS		926		NS		NS		NS		29.1		NS		NS		NS		2.66		3.02	
	29-Apr-09	NS		NS		12400		NS		NS		NS		38.1		NS		1.47	U	NS		3.06	
	22-Jul-09	433		NS		433		410		NS		151		NS		NS		21.6		2.8		NS	
	9-Oct-09	NS		289		NS		NS		1.47	U	NS		NS		22700		2.75		NS		12.6	
	15-Jan-10	29.8		NS		826		64.1		NS		38.4		NS		NS		2.64		1.6		NS	
	21-Apr-10	NS		6.44		NS		NS		7.37	U	NS		NS		34.6		16.8		NS		14.5	
	16-Jul-10	5320		NS		21000		441		NS		10400		NS		NS		1.54		2.8		NS	
	15-Oct-10	NS		117		NS		NS		44.9		NS		NS		2.85		1.47	U	NS		1.92	
	26-Jan-11	940		22.3		NS		16.5		NS		7.37	U	NS		50.4		7.37	U	7.37		NS	
	28-Feb-11	NS		NS		625		NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		6.87		NS		NS		171		NS		NS		11.3		15.3		5.38		10.4	
	26-Jul-11	690	E	NS		82.9		93.2		NS		11000		NS		NS		2.07		7.37		NS	
	28-Oct-11	NS		59	U	NS		NS		59	U	NS		NS		59	U	59	U	NS		59	U
	23-Jan-12	110		NS		70		12		NS		NS		NS		NS		12	U	12		NS	
	13-Apr-12	NS		16		NS		NS		74	U	NS		NS		12	U	12	U	NS		12	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		59		NS	
	23-Jun-12	75		NS		92		3700		NS		1900		NS		NS		12	U	12		NS	
	1-Nov-12	NS		24		NS		NS		44		NS		NS		12		3.7		NS		4.2	
	1-Feb-13	36		NS		4.9		16		NS		NS		NS		NS		2.4		NS		NS	
	29-Apr-13	NS		170		NS		NS		110		NS		6.1		7		7.2		NS		4.5	
	9-Jul-13	98		NS		130		79		NS		370											

Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds  
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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		2.74	U
	29-May-08	NS		NS		NS		2.74	U	NS		NS		NS		2.74	U	NS		2.74	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		2.74	U
	28-Aug-08	NS		NS		2.74	U	NS		NS		NS		2.74	U	NS		NS		2.74	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		NS		5.5	U	NS		NS		5.5	U	5.5	U
	21-Jan-09	NS		NS		NS		5.5	U	NS		NS		NS		5.5	U	NS		NS		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		2.74	U
	22-Jul-09	13.7	U	NS		13.7	U	NS		13.7	U	NS		NS		NS		NS		2.74	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		2.74	U
	15-Jan-10	2.74	U	NS		2.74	U	NS		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		2.74	U
	16-Jul-10	2.74	U	NS		2.74	U	NS		2.74	U	NS		20.7	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	NS		2.74	U	NS		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		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		2.74	U
	26-Jul-11	9.17	U	NS		9.17	U	NS		2.74	U	NS		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		7.9	U
	23-Jan-12	1.6	U	NS		1.6	U	NS		1.6	U	NS		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		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	NS		1.6	U	NS		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		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		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	U	NS		0.74		0.65		0.68		NS		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		0.47	U	NS		NS		NS		NS		0.32	U	0.56		NS	U
	27-Aug-14	NS		NS		NS		NS		NS		0.32	U	NS		NS		NS		NS		NS	U
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		0.47	U	NS		NS		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	NS		0.32	U	NS		NS		NS		NS		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		0.36	U
sec-Butylbenzene	9-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		2.74	U
	29-May-08	NS		NS		NS		2.74	U	NS		NS		NS		2.74	U	NS		2.74	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		2.74	U
	28-Aug-08	NS		NS		2.74	U	NS		NS		NS		2.74	U	NS		2.74	U	NS		NS	U
	27-Oct-08	NS		NS		NS		5.5	U	NS		NS		NS		5.5	U	NS		5.5	U	5.5	U
	27-Oct-08	5.5	U	NS		NS		NS		5.5	U	NS		NS		NS		5.5	U	NS		5.5	U
	25-Nov-08	NS		5.5	U	NS		NS		NS		5.5	U	NS		NS		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		5.5	U	NS		NS		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		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		2.74	U
	15-Jan-10	2.74	U	NS		NS		2.74	U	NS		NS		NS		NS		2.74	U	2.74	U	NS	U
	21-Apr-10	NS		2.74	U	NS		NS		13.7	U	NS		13.7	U	13.7	U	2.74	U	NS		2.74	U
	16-Jul-10	2.74	U	NS		2.74	U	NS		2.74	U	NS		20.7	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		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		NS	U
	27-Apr-11	NS		2.74	U	NS		NS		2.74	U	NS		2.74	U	2.74	U	2.74	U	NS		2.47	U
	26-Jul-11	9.17	U	NS		9.17	U	NS		2.74	U	NS		NS		NS		2.74	U	13.7	U	NS	U
	28-Oct-11	NS		6.3	U	NS		NS		6.3	U	NS		6.3	U	6.3	U	6.3	U	NS		6.3	U
	23-Jan-12	1.3	U	NS		1.3	U	NS		1.3	U	NS		NS		NS		1.3	U	1.3	U	NS	U
	13-Apr-12	NS		1.3	U	NS		NS		1.3	U	NS		1.3	U	1.3	U	1.3	U	NS		1.3	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		6.3	U	NS	U
	23-Jun-12	1.3	U	NS		1.3	U	NS		1.3	U	NS		NS		NS		1.3	U	1.3	U	NS	U
	1-Nov-12	NS		0.25	U	NS		NS		0.25	U	NS		0.25	U	0.25	U	0.25	U	NS		0.25	U
	1-Feb-13	0.25	U	NS		0.25	U	NS		0.25	U	NS		NS		NS		0.25	U	0.25	U	NS	U
	29-Apr-13	NS		0.63	U	NS		NS		0.25	U	NS		0.25	U	0.25	U	0.25	U	NS		0.25	U
	9-Jul-13	0.38	U	NS		0.25	U	NS		0.25	U	NS		NS		NS		0.25	U	0.25	U	NS	U
	18-Oct-13	NS		0.25	U																		



Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds  
February 2008 - July 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																							
Carbon tetrachloride	8-Feb-08	0.44		NS		NS		NS		0.46		NS		NS		NS		0.53		0.45		NS	
	27-Mar-08	NS		0.539		NS		NS		NS		0.477		NS		NS		NS		0.576		0.574	
	25-Apr-08	NS		NS		0.417		NS		NS		NS		0.448		NS		0.459		NS		0.448	
	29-May-08	NS		NS		NS		0.46		NS		NS		NS		0.46		NS		0.46		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		NS		0.41		NS	
	25-Nov-08	NS		0.5		NS		NS		NS		0.42		NS		NS		NS		0.3		0.44	
	18-Dec-08	NS		NS		0.23		NS		NS		NS		0.28		NS		NS		NS		0.48	
	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		NS		1.26	U	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		NS		0.528	U	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		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		NS		0.63	U	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		NS		0.42		NS		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		0.43		NS	
	24-Apr-14	NS		0.48		NS		NS		0.45		NS		0.42		0.47		0.47		0.47		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		0.48		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		NS		0.33		NS	
	21-Jul-15	0.270 <sup>J</sup>		NS		1	U	6	U	NS		0.28 <sup>J</sup>		NS		NS		0.25 <sup>J</sup>		0.24 <sup>J</sup>		NS	
Chlorobenzene	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		0.052	U	NS		NS		NS		0.092	U	NS		NS		NS		0.092	U	0.092	U
	25-Apr-08	NS		NS		0.092	U	NS		NS		NS		0.092	U	NS		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	U
	27-Jun-08	0.207		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		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		2.3	U	2.3	U	NS		NS	U
	18-Dec-08	NS		NS		2.3	U	NS		NS		NS		2.3	U	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	U
	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	U
	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	U
	21-Apr-10	NS		0.092	U	NS		0.46	U	NS		0.46	U	NS		0.46	U	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	U
	15-Oct-10	NS		0.092	U	NS		NS		0.129		NS		0.106		0.101		0.092	U	0.092	U	0.101	U
	26-Jan-11	0.92	U	0.092	U	NS		0.092	U	NS		0.46	U	NS		0.46	U	0.46	U	NS		NS	U
	28-Feb-11	NS		NS		0.92	U	NS		NS		NS		NS		NS</							

**Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds  
February 2008 - July 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	NS		NS	
	27-Mar-08	NS		0.053	U	NS		NS		NS		0.053	U	NS		NS		NS		0.053	U	0.053	U	0.053	U
	25-Apr-08	NS		NS		0.053	U	NS		NS		NS		0.139		NS		0.053	U	NS		0.053	U	0.053	U
	29-May-08	NS		NS		NS		0.11		NS		NS		NS		0.1		NS		0.05	U	NS		NS	U
	27-Jun-08	0.082	U	NS		NS		NS		0.132		NS		NS		NS		NS		0.053	U	0.053	U	0.053	U
	31-Jul-08	NS		0.053	U	NS		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		NS	U
	30-Sep-08	NS		NS		NS		1.3	U	NS		NS		NS		1.3	U	NS		1.3	U	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		1.3	U	1.6	U
	25-Nov-08	NS		1.3	U	NS		NS		NS		1.3	U	NS		NS		1.3	U	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	1.3	U
	21-Jan-09	NS		NS		NS		1.3	U	NS		NS		NS		1.3	U	NS		1.3	U	NS		1.3	U
	25-Feb-09	1.3	U	NS		NS		NS		1.3	U	NS		NS		NS		NS		1.3	U	NS		NS	U
	26-Mar-09	NS		0.264	U	NS		NS		NS		0.527	U	NS		NS		NS		NS		0.1212		0.063	
	29-Apr-09	NS		NS		0.137		NS		NS		NS		0.063		NS		NS		0.053	U	NS		0.053	U
	22-Jul-09	0.264	U	NS		10.8	U	NS		0.527	U	NS		0.277		NS		NS		0.053	U	0.061		NS	
	9-Oct-09	NS		0.053	U	NS		NS		0.058		NS		0.406		11	U	NS		0.053	U	NS		0.053	U
	15-Jan-10	0.053	U	NS		0.074		NS		0.066		NS		0.053		NS		NS		0.053	U	0.053		NS	
	21-Apr-10	NS		0.074		NS		NS		0.264		NS		0.303		0.303		0.303		0.053	U	NS		0.116	
	16-Jul-10	0.1		NS		2.55		0.166		NS		0.398	U	NS		NS		NS		0.053		0.087		NS	
	15-Oct-10	NS		0.053	U	NS		NS		0.082		NS		0.071		0.053	U	NS		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	0.264	U	NS	
	28-Feb-11	NS		NS		.527	U	NS		NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.053	U	NS		NS		0.079		NS		0.082		0.053	U	NS		0.053	U	NS		0.053	U
	26-Jul-11	0.176	U	NS		0.176	U	0.116		NS		0.264	U	NS		NS		NS		0.053	U	0.264		NS	
	28-Oct-11	NS		1.3	U	NS		NS		1.3	U	NS		1.3	U	1.3	U	1.3	U	1.3	U	NS		1.3	U
	23-Jan-12	0.26	U	NS		0.26		0.26	U	NS		0.26	U	NS		NS		NS		0.26	U	0.26	U	NS	
	13-Apr-12	NS		0.26	U	NS		NS		0.26	U	NS		0.26	U	NS		NS		0.26	U	NS		0.26	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		1.3	U	NS	
	23-Jun-12	0.26	U	NS		0.26	U	NS		0.26	U	NS		NS		NS		NS		NS		0.26	U	NS	
	1-Nov-12	NS		0.053	U	NS		NS		0.085		NS		0.08		0.053	U	NS		0.053	U	NS		0.087	
	1-Feb-13	0.082	U	NS		0.053	U	NS		0.11		NS		NS		NS		NS		NS		0.053	U	NS	
	29-Apr-13	NS		0.4		NS		NS		0.11	U	NS		0.11		0.11	U	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		NS		0.11	U	0.053	U	NS	
	18-Oct-13	NS		0.053	U	NS		NS		NS		NS		0.091		0.053	U	NS		0.053	U	NS		0.053	U
	9-Jan-14	0.084		NS		0.053	U	0.11		NS		0.053	U	NS		NS		NS		0.053	U	0.053	U	NS	
24-Apr-14	NS		NS		0.026	U	NS		0.026	U	NS		0.13		0.026	U	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		NS		0.059		0.053	U	NS		
27-Aug-14	NS		NS		NS		NS		NS		0.072		NS		NS		NS		NS		NS		NS		
12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		0.079	U	NS		NS		NS	U	NS		
22-Oct-14	NS		0.079	U	NS		NS		0.079	U	0.079	U	0.35		0.079	U	0.079	U	0.079	U	0.11	U	NS		
20-Jan-15	0.069 <sup>v</sup>		NS		0.094		0.062		NS		NS		0.24 <sup>v</sup>		NS		NS		0.079 <sup>v</sup>	U	0.053 <sup>v</sup>	U	NS		
30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		0.059	U	NS		
22-Apr-15	NS		0.20 <sup>v</sup>		NS		NS		NS		N		0.16		0.077	U	NS		NS		NS		0.061	U	
21-Jul-15	0.1	U	NS		0.5	U	3	U	NS		0.21		NS		NS		NS		0.1 <sup>o</sup>	U	0.1 <sup>o</sup>	U	NS		
Chloroform	8-Feb-08	0.1	U	NS		NS		NS		NS	U	NS		NS		NS		0.12		0.12		NS		NS	
	27-Mar-08	NS		0.098	U	NS		NS		NS		0.125		NS		NS		NS		0.453		0.847		NS	
	25-Apr-08	NS		0.231		NS		NS		NS		NS		0.203		NS		NS		0.134		0.265		NS	
	29-May-08	NS		NS		NS		0.14		NS		NS		NS		0.1	U	NS		0.14		NS		NS	
	27-Jun-08	0.263		NS		NS		NS		0.623		NS		NS		NS		NS		0.305		0.395		NS	
	31-Jul-08	NS		0.145		NS		NS		NS		NS		NS		NS		NS		0.13		0.124		NS	
	28-Aug-08	NS		NS		0.098	U	NS		NS		NS		1.2		NS		0.331		0.386		NS		NS	
	30-Sep-08	NS		NS		NS		0.49	U	NS		NS		NS		0.49	U	NS		0.49	U	0.49	U	NS	
	27-Oct-08	0.49	U	NS		NS		NS		0.49	U	NS		NS		NS		NS		0.49	U	NS		0.49	U
	25-Nov-08	NS		0.24	U	NS		NS		NS		0.24	U	NS		NS		NS		0.24	U	NS		NS	
	18-Dec-08	NS		NS		0.24	U	NS		NS		NS		0.24	U	NS		NS		0.24	U	0.24	U	NS	
	21-Jan-09	NS		NS		NS		0.24	U	NS		NS		NS		0.24	U	NS		0.24	U	NS		0.24	
	25-Feb-09	0.24	U	NS		NS		NS		0.24	U	NS		NS		NS		NS		0.24	U	0.24	U	NS	
	26-Mar-09	NS		0.488	U	NS		NS		NS		1.29		NS		NS		NS		NS		0.265		0.2	
	29-Apr-09	NS		NS		0.098	U	NS		NS		NS		0.136		NS		NS		0.098	U	NS		1.34	
	22-Jul-09	0.488	U	NS		19.9	U	0.976	U	NS		0.488	U	NS		NS		NS		0.429		0.22		NS	
	9-Oct-09	NS		0.205		NS		NS		0.263		NS		0.268		NS		NS		0.317		NS		0.312	
	15-Jan-10	0.176		NS		7.22		0.146		NS		NS		0.19		NS		NS		0.098	U	0.185		NS	
	21-Apr-10	NS		0.098	U	NS		NS		0.488	U	NS		0.488	U	NS		NS		0.22		NS		0.2	
	16-Jul-10	0.361		NS		0.098	U	0.215		NS		0.													

**Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds**  
**February 2008 - July 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	NS		
	27-Mar-08	NS		2.67		NS		NS		NS		3.24		NS		NS		NS		2.44	U	2.44	U	
	25-Apr-08	NS		NS		2.44	U	NS		NS		NS		2.44	U	NS		2.44	U	NS		2.44	U	
	29-May-08	NS		NS		NS		2.44	U	NS		NS		NS		2.44	U	NS		2.44	U	NS		
	27-Jun-08	3.8	U	NS		NS		NS		2.44	U	NS		NS		NS		NS		2.44	U	2.44	U	
	31-Jul-08	NS		4.64		NS		NS		NS		NS		NS		NS		2.44	U	NS		2.44	U	
	28-Aug-08	NS		NS		2.44	U	NS		NS		NS		2.44	U	NS		2.44	U	NS		2.44	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		NS		1.1		NS		3.5
	25-Nov-08	NS		1	U	NS		NS		NS		1	U	NS		NS		1	U	1	U	NS		1
	18-Dec-08	NS		NS		1	U	NS		NS		NS		1	U	NS		NS		1.4		NS		1
	21-Jan-09	NS		NS		NS		1	U	NS		NS		NS		3.1		1	U	NS		1	U	1
	25-Feb-09	1		NS		NS		NS		1	U	NS		NS		NS		1	U	1.2		NS		NS
	26-Mar-09	NS		12.2	U	NS		NS		NS		NS		24.4	U	NS		NS		4.58		2.44	U	2.44
	29-Apr-09	NS		NS		22.4		NS		NS		NS		19.4		NS		2.44	U	NS		2.44	U	NS
	22-Jul-09	18.5		NS		497	U	NS		32		NS		41.9		NS		2.44	U	6.29		NS	U	NS
	9-Oct-09	NS		2.44	U	NS		NS		NS		2.44	U	NS		2.44	U	NS		NS		2.44	U	NS
	15-Jan-10	2.44	U	NS		2.78		2.44	U	NS		2.44	U	NS		NS		2.44	U	2.44		NS	U	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	NS
	16-Jul-10	1.32		NS		62.8		1.48		NS		7.79	U	NS		NS		1.03	U	1.03		NS	U	NS
	15-Oct-10	NS		1.03	U	NS		NS		1.03	U	NS		1.03	U	1.03	U	1.03	U	1.03		NS	U	1.03
	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		NS	U	NS
	28-Feb-11	NS		NS		10.3	U	NS		NS		NS		NS		NS		NS		NS		NS	U	NS
	27-Apr-11	NS		1.23		NS		NS		1.03	U	NS		1.03	U	1.18		1.03	U	NS		1.29	U	NS
	26-Jul-11	3.45	U	NS		3.45	U	1.03	U	NS		5.16	U	NS		NS		1.03	U	5.16		NS	U	NS
	28-Oct-11	NS		1	U	NS		NS		1	U	NS		1	U	1	U	1	U	NS		1.2	U	NS
	23-Jan-12	0.21	U	NS		0.21	U	0.21	U	NS		0.21	U	NS		NS		1.2		0.21	U	NS	U	NS
	13-Apr-12	NS		NS	U	NS		NS		0.21	U	NS		0.21	U	NS		0.21	U	NS		0.97	U	NS
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		1.1		NS	U	NS
	23-Jun-12	0.21	U	NS		0.21	U	NS		0.21	U	NS		2.1		NS		NS		0.21	U	NS	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	U	NS
	1-Feb-13	0.5		NS		1.8		2.1		NS		0.19		NS		NS		0.71		NS		NS	U	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	U	NS
	9-Jul-13	0.12	U	NS		0.083		0.083	U	NS		0.083	U	NS		NS		1.0		0.083		NS	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	U	NS
	9-Jan-14	3.2		NS		1.5		0.083	U	NS		0.053	U	NS		NS		0.64		0.083		NS	U	NS
	24-Apr-14	NS		4.6		NS		NS		4.5		NS		3.5		1.2		0.47		1.0		NS	U	NS
1-Aug-14	0.083	U	NS		0.12	U	0.12	U	NS		NS		NS		NS		0.083	U	0.083		NS	U	NS	
27-Aug-14	NS		NS		NS		NS		NS		1.7		NS		NS		NS		NS		NS	U	NS	
12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		0.12 <sup>LV</sup>	U	NS		NS		NS	U	NS	
22-Oct-14	NS		1.3		NS		NS		0.12	U	NS		0.12	U	1.30		0.74		1.1		NS	U	NS	
20-Jan-15	0.083 <sup>V</sup>	U	NS		3 <sup>V</sup>		0.083	U	NS		0.083 <sup>V</sup>	U	NS		NS		0.69 <sup>V</sup>		1.2 <sup>V</sup>		NS	U	NS	
30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		0.093		NS	U	NS	
22-Apr-15	NS		0.083 <sup>V</sup>	U	NS		NS		0.083 <sup>V</sup>	U	NS		0.083	U	1.7/1.6		0.72		NS		1.4	U	NS	
21-Jul-15	0.69		NS		6.9		2	U	NS		2.6		NS		NS		0.11 <sup>O</sup>		0.1 <sup>O</sup>		NS	U	NS	
Dibromochloromethane	8-Feb-08	0.1	U	NS		NS		NS		0.1	U	NS		NS		NS		0.1	U	0.1	U	NS	U	
	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		0.096	U	NS		0.096	U	
	29-May-08	NS		NS		NS		0.1	U	NS		NS		NS		0.1	U	0.1	U	NS		NS	U	
	27-Jun-08	0.15	U	NS		NS		NS		0.096	U	NS		NS		NS		NS		0.096	U	0.096	U	NS
	31-Jul-08	NS		0.096	U	NS		NS		NS		NS		NS		NS		0.096	U	NS		0.096	U	NS
	28-Aug-08	NS		NS		0.096	U	NS		NS		NS		0.096	U	NS		0.096	U	NS		NS	U	NS
	30-Sep-08	NS		NS		NS		4.2	U	NS		NS		NS		4.2	U	NS		4.2	U	4.2	U	NS
	27-Oct-08	4.2	U	NS		NS		NS		4.2	U	NS		NS		NS		4.2	U	NS		4.2	U	NS
	25-Nov-08	NS		4.2	U	NS		NS		NS		4.2	U	NS		NS		4.2	U	NS		4.2	U	NS
	18-Dec-08	NS		NS		4.2	U	NS		NS		NS		NS		4.2	U	NS		4.2	U	4.2	U	NS
	21-Jan-09	NS		NS		NS		4.2	U	NS		NS		NS		4.2	U	NS		4.2	U	4.2	U	NS
	25-Feb-09	4.2	U	NS		NS		NS		4.2	U	NS		NS		NS		4.2	U	NS		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	NS
	29-Apr-09	NS		NS		0.096	U	NS		NS		NS		0.096	U	NS		0.096	U	NS		0.096	U	NS
	22-Jul-09	0.48	U	NS		19.6	U	0.96	U	NS		0.48	U	NS		NS		0.096	U	NS		NS	U	NS
	9-Oct-09	NS		0.096	U	NS		NS		NS		NS		0.096	U	NS		20	U	NS		0.096	U	NS
	15-Jan-10	0.096	U	NS		0.096	U	0.096	U	NS		0.096	U	NS		NS		0.096	U	NS		NS	U	NS
	21-Apr-10	NS		0.096	U	NS		0.48	U	NS		0.48	U	NS		0.48	U	NS		NS		0.096	U	NS
	16-Jul-10	0.17	U	NS		0.17	U	0.17	U	NS		1.28	U	NS		NS		0.17	U	NS		NS	U	NS
	15-Oct-10	NS		0.17	U	NS		NS		0.17	U	NS		NS		0.17	U	NS		NS		0.17	U	NS
	26-Jan-11	1.7	U	0.17	U	NS		0.17	U	NS		0.851	U	NS		0.851	U	0.851	U	NS		NS	U	NS
	28-Feb-11	NS		NS		1.7	U	NS		NS		NS		NS		NS		NS		NS		NS	U	NS
	27-Apr-11	NS		0.17	U	NS		NS		0.17	U	NS		NS		0.17	U	NS		NS		0.17	U	NS
	26-Jul-11	0.568	U	NS		0.568	U	0.17	U	NS		0.852	U	NS		NS		0.17	U	0.852		NS	U	NS
	28-Oct-11	NS		4.3	U	NS		NS		4.3	U	NS		4.3	U	NS		4.3	U	NS		4.3	U	NS
	23-Jan-12	0.85	U	NS		0.85	U	0.85	U	NS		0.85	U	NS		NS		0.85	U	NS		NS	U	NS
	13-Apr-12	NS		0.85	U	NS		NS		0.85	U	NS		0.85	U	NS		0.85	U	NS		NS	U	NS
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		2.1		NS	U	NS
	23-Jun-12	0.85	U	NS		0.85	U	0.85	U	NS		0.85	U	NS		NS		0.85	U	NS		NS	U	NS
	1-Nov-12	NS		0.085	U	NS		NS		0.085	U	NS		0.085	U	NS		0.085	U	NS		0.085	U	NS
1-Feb-13	0.17	U	NS		0.17	U	0.17	U	NS		NS		NS		NS		0.17	U	NS		NS	U	NS	
29-Apr-13	NS		0.21	U	NS		NS		0.085	U	NS		0.085	U	NS		0.085	U	NS		0.085	U	NS	
9-Jul-13	0.26	U	NS		0.17	U	0.17	U	NS		0.17													

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

Volatile Organic Compounds via TO-15	Sample Date	MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3	
		Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
1,2-Dibromoethane	8-Feb-08	0.15	U	NS		NS		NS		0.15	U	NS		NS		NS		0.15	U	0.15	U	NS	
	27-Mar-08	NS		0.154	U	NS		NS		NS		0.154	U	NS		NS		NS		0.154	U	0.154	U
	25-Apr-08	NS		NS		0.154	U	NS		NS		NS		0.154	U	NS		0.154	U	NS		0.154	U
	29-May-08	NS		NS		NS		0.15	U	NS		NS		NS		0.15	U	NS		0.15	U	NS	
	27-Jun-08	0.239	U	NS		NS		NS		0.154	U	NS		NS		NS		NS		0.154	U	0.154	U
	31-Jul-08	NS		0.154	U	NS		NS		NS		NS		NS		NS		0.154	U	NS		0.154	U
	28-Aug-08	NS		NS		0.154	U	NS		NS		NS		0.154	U	NS		0.154	U	NS		NS	
	30-Sep-08	NS		NS		NS		0.15	U	NS		NS		NS		0.15	U	NS		NS		0.15	U
	27-Oct-08	0.15	U	NS		NS		NS		0.15	U	NS		NS		NS		NS		0.15	U	NS	
	25-Nov-08	NS		0.15	U	NS		NS		NS		0.15	U	NS		NS		NS		NS		0.15	U
	18-Dec-08	NS		NS		0.15	U	NS		NS		NS		0.15	U	NS		NS		NS		0.15	U
	21-Jan-09	NS		NS		NS		0.15	U	NS		NS		NS		0.15	U	NS		NS		0.15	U
	25-Feb-09	0.15	U	NS		NS		NS		0.15	U	NS		NS		NS		NS		0.15	U	NS	
	26-Mar-09	NS		0.768	U	NS		NS		NS		1.54	U	NS		NS		NS		0.154	U	0.154	U
	29-Apr-09	NS		NS		0.154	U	NS		NS		NS		0.154	U	NS		NS		NS		0.154	U
	22-Jul-09	0.768	U	NS		31.3	U	1.54	U	0.768	U	NS		0.768	U	NS		NS		0.154	U	0.154	U
	9-Oct-09	NS		0.154	U	NS		NS		0.154	U	NS		0.154	U	32	U	0.154	U	NS		0.154	U
	15-Jan-10	0.154	U	NS		0.154	U	0.154	U	NS		0.154	U	NS		NS		0.154	U	0.154	U	NS	
	21-Apr-10	NS		0.154	U	NS		NS		0.768	U	NS		0.768	U	0.768	U	0.154	U	NS		0.154	U
	16-Jul-10	0.154	U	NS		0.154	U	0.154	U	NS		1.16	U	NS		NS		0.154	U	0.154	U	NS	
	15-Oct-10	NS		0.154	U	NS		NS		0.154	U	NS		0.154	U	NS		0.154	U	NS		0.154	U
	26-Jan-11	1.54	U	0.154	U	NS		0.154	U	NS		0.768	U	NS		0.768	U	0.768	U	0.768	U	NS	
	28-Feb-11	NS		NS		1.54	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.154	U	NS		NS		0.154	U	NS		0.154	U	0.154	U	0.154	U	NS		0.154	U
	26-Jul-11	0.512	U	NS		0.512	U	0.154	U	NS		0.768	U	NS		NS		0.154	U	0.768	U	NS	
	28-Oct-11	NS		3.8	U	NS		NS		3.8	U	NS		3.8	U	3.8	U	3.8	U	NS		3.8	U
	23-Jan-12	0.77	U	NS		0.77	U	0.77	U	NS		0.77	U	NS		0.77	U	0.77	U	0.77	U	NS	
	13-Apr-12	NS		0.38	U	NS		NS		0.38	U	NS		0.38	U	0.38	U	0.38	U	NS		0.38	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		1.9	U
	23-Jun-12	0.77	U	NS		0.77	U	NS		0.77	U	NS		NS		NS		NS		NS		0.77	U
	1-Nov-12	NS		0.077	U	NS		NS		0.077	U	NS		0.077	U	0.077	U	0.077	U	NS		0.077	U
	1-Feb-13	0.077	U	NS		0.077	U	NS		0.077	U	NS		NS		NS		NS		NS		0.077	U
	29-Apr-13	NS		0.19	U	NS		NS		0.077	U	NS		NS		0.077	U	0.077	U	NS		NS	
	9-Jul-13	0.12	U	NS		0.077	U	NS		0.077	U	NS		NS		NS		NS		0.077	U	NS	
	18-Oct-13	NS		0.15	U	NS		NS		0.15	U	NS		0.15	U	0.15	U	0.15	U	NS		0.15	U
	9-Jan-14	0.15	U	NS		0.15	U	NS		0.15	U	NS		NS		NS		NS		0.15	U	NS	
24-Apr-14	NS		0.077	U	NS		NS		0.077	U	NS		0.077	U	0.077	U	0.077	U	0.077	U	0.23	U	
1-Aug-14	0.15	U	NS		0.23	U	0.23	U	NS		NS		NS		NS		NS		0.15	U	NS		
27-Aug-14	NS		NS		NS		NS		NS		0.077	U	NS		NS		NS		NS		NS		
12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		0.12	U	NS		NS		NS		
22-Oct-14	NS		0.12	U	NS		NS		0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	NS		0.15	U	
20-Jan-15	0.077	U	NS		0.077	U	0.077	U	NS		0.077	U	NS		NS		NS		0.077	U	NS		
30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		0.086	U	
22-Apr-15	NS		0.079	U	NS		NS		0.077	U	NS		NS		0.11	U	0.077	U	NS		NS		
21-Jul-15	0.4	U	NS		2	U	8	U	NS		0.4	U	NS		NS		0.4 <sup>o</sup>	U	0.4 <sup>o</sup>	U	NS		
1,2-Dichlorobenzene	8-Feb-08	0.12	U	NS		NS		NS		0.12	U	NS		NS		NS		0.12	U	0.55	U	NS	
	27-Mar-08	NS		0.12	U	NS		NS		NS		NS		NS		NS		NS		0.12	U	0.12	U
	25-Apr-08	NS		NS		0.12	U	NS		NS		NS		NS		NS		NS		NS		0.12	U
	29-May-08	NS		NS		NS		0.12	U	NS		NS		NS		0.12	U	NS		NS		NS	
	27-Jun-08	0.187	U	NS		NS		NS		0.12	U	NS		NS		NS		NS		NS		0.12	U
	31-Jul-08	NS		0.12	U	NS		NS		NS		NS		NS		NS		NS		NS		0.12	U
	28-Aug-08	NS		NS		0.12	U	NS		NS		NS		0.12	U	NS		NS		NS		NS	
	30-Sep-08	NS		NS		NS		3	U	NS		NS		NS		3	U	NS		3	U	3	U
	27-Oct-08	3	U	NS		NS		NS		3	U	NS		NS		NS		NS		3	U	NS	
	25-Nov-08	NS		3	U	NS		NS		NS		3	U	NS		NS		NS		3	U	NS	
	18-Dec-08	NS		NS		3	U	NS		NS		NS		3	U	NS		NS		3	U	NS	
	21-Jan-09	NS		NS		NS		3	U	NS		NS		NS		3	U	NS		NS		3	U
	25-Feb-09	3	U	NS		NS		NS		3	U	NS		NS		NS		NS		3	U	NS	
	26-Mar-09	NS		0.601	U	NS		NS		NS		1.2	U	NS		NS		NS		NS		0.12	U
	29-Apr-09	NS		NS		0.12	U	NS		NS		NS		0.12	U	NS		NS		NS		NS	
	22-Jul-09	0.601	U	NS		24	U	1.2	U	NS		0.601	U	NS		NS		NS		NS		0.12	U
	9-Oct-09	NS		0.12	U	NS		NS		0.12	U	NS		NS		25.1	U	NS		NS		NS	
	15-Jan-10	0.12	U	NS		0.12	U	NS		0.12	U	NS		NS		NS		NS		NS		0.12	U
	21-Apr-10	NS		0.12	U	NS		NS		0.601	U	NS		0.601	U	0.601	U	0.12	U	NS		NS	
	16-Jul-10	0.12	U	NS		0.12	U	0.12	U	NS		0.907	U	NS		NS		NS		NS		1.2	U
	15-Oct-10	NS		0.12	U	NS		NS		NS		NS		0.12	U	NS		NS		NS		NS	
	26-Jan-11	1.2	U	0.12	U	NS		0.12	U	NS		0.601	U	NS		0.601	U	0.601	U	0.601	U	NS	
	28-Feb-11	NS		NS		1.2	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.12	U	NS		NS		0.12	U	NS		NS		0.12	U	NS		NS		NS	
	26-Jul-11	0.401	U	NS		0.401	U	NS															

**Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds  
February 2008 - July 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																							
1,3-Dichlorobenzene	8-Feb-08	0.12	U	NS		NS		NS		0.12	U	NS		NS		NS		0.12	U	0.12	U	NS	
	27-Mar-08	NS		0.12	U	NS		0.6		NS		0.12	U	NS		NS		NS		0.12	U	0.12	U
	25-Apr-08	NS		NS		0.12	U	NS		NS		NS		0.12	U	NS		0.12	U	NS		0.12	U
	29-May-08	NS		NS		NS		1.18		NS		NS		NS		3.47		0.62		NS		NS	
	27-Jun-08	0.187	U	NS		NS		NS		0.257		NS		NS		NS		NS		0.12	U	0.12	U
	31-Jul-08	NS		0.822		NS		NS		NS		NS		NS		NS		0.136		NS		0.12	U
	28-Aug-08	NS		NS		0.12	U	NS		NS		NS		0.12	U	NS		0.12	U	NS		NS	
	30-Sep-08	NS		NS		NS		3	U	NS		NS		NS		3	U	NS		3	U	3	U
	27-Oct-08	3	U	NS		NS		3		3	U	NS		NS		NS		NS	U	NS		3	U
	25-Nov-08	NS		3	U	NS		NS		NS		3	U	NS		NS		3	U	3	U	NS	
	18-Dec-08	NS		NS		3	U	NS		NS		NS		3	U	NS		NS		3	U	3	U
	21-Jan-09	NS		NS		NS		3	U	NS		NS		NS		3	U	3	U	NS		3	U
	25-Feb-09	3	U	NS		NS		NS		3	U	NS		NS		NS		3	U	3	U	NS	
	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	
	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	NS		0.12	U	NS		NS		NS		0.12	U	0.12		NS	
	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	
	15-Oct-10	NS		0.12	U	NS		NS		0.12	U	NS		0.12	U	NS		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	
	28-Feb-11	NS		NS		1.2	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.12	U	NS		NS		0.42		NS		0.156		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	
	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	
	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	
	23-Jun-12	0.6	U	NS		0.6	U	0.6	U	NS		NS		NS		NS		0.6	U	0.6	U	NS	
	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	
	29-Apr-13	NS		1.3		NS		NS		4.5		NS		6.5		6		0.12	U	NS		0.14	
	9-Jul-13	1.3		NS		2.0		3.9		NS		3.8		NS		NS		0.12	U	0.12	U	NS	
	18-Oct-13	NS		0.52		NS		NS		1.4		NS		2.6		2.2		0.16		NS		0.22	
	9-Jan-14	0.58		NS		0.9		1.1		NS		0.84		NS		NS		3.0		4.1		NS	
	24-Apr-14	NS		0.12	U	NS		NS		0.14		NS		0.12	U	NS		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	
	27-Aug-14	NS		NS		NS		NS		NS		0.80		NS		NS		NS		NS		NS	
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		0.82		NS		NS	U	NS	
	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	
	20-Jan-15	0.12	U	NS		0.120	U	NS		0.12	U	NS		NS		NS		0.2	U	0.12	U	NS	
	30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		0.14	U	NS	
	22-Apr-15	NS		0.13		NS		NS		0.36		NS		1.5		0.78/0.87		0.12	U	NS		0.17	
	21-Jul-15	0.3	U	NS		1	U	6	U	NS		0.30 <sup>J</sup>		NS		NS		0.3 <sup>O</sup>	U	0.3 <sup>O</sup>	U	NS	
1,4-Dichlorobenzene	8-Feb-08	1.56		NS		NS		NS		0.26		NS		NS		NS		9.5		7.91		NS	
	27-Mar-08	NS		4.33		NS		NS		NS		8.48		NS		NS		NS		6.28		15.1	
	25-Apr-08	NS		0.347		NS		NS		NS		NS		32.3		NS		17.9		NS		16.3	
	29-May-08	NS		NS		NS		5.5		NS		NS		NS		10		9.41		4.18		NS	
	27-Jun-08	47.3		NS		NS		NS		38.1		NS		NS		NS		NS		40.8		57.9	
	31-Jul-08	NS		2.46		NS		NS		NS		NS		NS		NS		1.84		NS		2.04	
	28-Aug-08	NS		NS		234		NS		NS		NS		214		NS		229		208		NS	
	30-Sep-08	NS		NS		NS		7.2		NS		NS		NS		3	U	NS		6.8		5.6	
	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	
	18-Dec-08	NS		NS		3	U	NS		NS		NS		4.7		NS		NS		10.3		17.1	
	21-Jan-09	NS		NS		NS		3	U	NS		NS		NS		3	U	13.9		NS		27.2	
	25-Feb-09	3	U	NS		NS		NS		3	U	NS		NS		NS		3	U	3	U	NS	
	26-Mar-09	NS		5.43		NS		*		NS		4.87		NS		NS		NS		20.6		33	
	29-Apr-09	NS		NS		1.2		NS		NS		NS		1.91		NS		4.12		NS		4.25	
	22-Jul-09	0.601	U	NS		24.5	U	1.2	U	NS		0.601	U	NS		NS		0.348		0.613		NS	
	9-Oct-09	NS		3.31		NS		NS		3.44		NS		2.79		25.1	U	6.95		NS		3.82	
	15-Jan-10	0.12		NS		1.06		0.715		NS		0.823		NS		NS		2		1.98		NS	
	21-Apr-10	NS		0.12	U	NS		NS		0.601	U	NS		0.601	U	0.601	U	3.27		NS		2.84	
	16-Jul-10	1.78		NS		2.3		2.86		NS		1.36		NS		NS		1.63		5.05		NS	
	15-Oct-10	NS		0.685		NS		NS		1.75		NS		1.37		NS		1.8		NS		2.47	
	26-Jan-11	1.2	U	0.12	U	NS		0.12	U	NS		0.601	U	NS		0.601	U	0.601	U	0.601	U	NS	
	28-Feb-11	NS		NS		1.2	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.985		NS		NS		1.08		NS		0.967		1.14		1.07		NS		1.24	
	26-Jul-11	5.45		NS		5.21		0.715		NS		5.26		NS		NS		5.54		4.69		NS	
	28-Oct-11	NS		3	U	NS		NS		3	U	NS		3	U	3	U	3	U	NS		3	U
	23-Jan-12	0.6	U	NS		0.6	U	0.6	U	NS		0.6	U	NS		NS		0.6	U	0.66		NS	
	13-Apr-12	NS		0.6	U	NS		NS		0.6	U	NS		NS		NS		NS		NS		0.6	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		3	U	NS	
	23-Jun-12	0.6	U	NS		0.6	U	0.6	U	NS		0.6	U	NS		NS		0.6	U	0.6	U	NS	
	1-Nov-12	NS		0.12	U	NS		NS		0.12	U	NS		0.12	U	NS		0.12	U	NS		0.12	U
	1-Feb-13	0.12	U	NS		0.12	U	NS		0.4		NS		NS		NS		0.12	U	0.12	U	NS	
	29-Apr-13	NS		0.3	U	NS		NS		0.12	U	NS		0.12	U	NS		0.12	U	NS		0.12	U
	9-Jul-13	0.18	U	NS		0.14		0.16		NS		0.18		NS		NS		0.18		0.22		NS	
	18-Oct-13	NS		0.12	U	NS		NS		0.12	U	NS		0.12	U	NS		0.12	U	NS		0.12	U
	9-Jan-14	0.12	U	NS		0.12	U	NS		0.12	U	NS		NS		NS		0.14		0.12	U	NS	

**Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds  
February 2008 - July 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		NS	
	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		NS		2.5	U	NS		NS		2.5	U	2.5	U
	21-Jan-09	NS		NS		NS		2.5	U	NS		NS		NS		5.8		2.5	U	NS		2.5	U
	25-Feb-09	2.5	U	NS		NS		NS		19.4		NS		NS		NS		2.5	U	3.4		NS	
	26-Mar-09	NS		2.55		NS		NS		NS		2.48		NS		NS		NS		2.46		2.41	
	29-Apr-09	NS		NS		2.41		NS		NS		NS		3.78		NS		2.26		NS		2.4	
	22-Jul-09	2.42		NS		2.72		NS		2.5		NS		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		2.25		NS	
	21-Apr-10	NS		0.568		NS		NS		2.2		NS		2.59		2.2		2.64		NS		2.43	
	16-Jul-10	3.36		NS		2.61		2.55		NS		2.98		NS		NS		3.15		3.29		NS	
	15-Oct-10	NS		3.13		NS		2.67		NS		2.43		NS		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		2.5		2.32		NS		2.31	
	26-Jul-11	2.41		NS		2.29		2.28		NS		2.08		NS		NS		2.44		2.3		NS	
	28-Oct-11	NS		2.7		NS		NS		2.7		NS		2.7		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		2.5		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		NS		2.5		NS		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		1.6		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		2.2		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		1.4		NS		1.4		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 <sup>v</sup>		NS		NS		4.1 <sup>v</sup>		NS		1.8		1.7/2.0		1.8		NS		2.0	
	21-Jul-15	0.88		NS		1.6		5	U	NS		0.91		NS		NS		0.74 <sup>o</sup>		0.72 <sup>o</sup>		NS	
1,1-Dichloroethane	8-Feb-08	0.08	U	NS		NS		NS		0.08	U	NS		NS		NS		0.08	U	0.08	U	NS	U
	27-Mar-08	NS		0.081	U	NS		NS		NS		0.081	U	NS		NS		NS		0.081	U	0.081	U
	25-Apr-08	NS		NS		0.081	U	NS		NS		NS		0.081	U	NS		NS		0.081	U	0.081	U
	29-May-08	NS		NS		NS		0.08	U	NS		NS		NS		0.08	U	0.08		0.08	U	NS	U
	27-Jun-08	0.126	U	NS		NS		NS		0.081	U	NS		NS		NS		NS		0.081	U	0.081	U
	31-Jul-08	NS		0.081	U	NS		NS		NS		NS		NS		NS		0.081	U	NS		0.081	U
	28-Aug-08	NS		NS		0.081	U	NS		NS		NS		0.081	U	NS		0.081	U	0.081	U	NS	U
	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	U
	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	NS		2	U	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		0.404	U	NS		NS		NS		0.809	U	NS		NS		NS		0.081	U	0.081	U
	29-Apr-09	NS		NS		0.19		NS		NS		NS		0.081	U	NS		0.121		NS		0.081	U
	22-Jul-09	0.404	U	NS		16.5	U	0.801	U	NS		0.404	U	NS		NS		0.081	U	0.081	U	NS	U
	9-Oct-09	NS		0.081	U	NS		NS		0.081	U	NS		0.081	U	16.9	U	NS		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	U
	21-Apr-10	NS		0.081	U	NS		NS		0.404	U	NS		0.404	U	0.404	U	0.081	U	NS		0.081	U
	16-Jul-10	0.081	U	NS		2.48		0.081	U	NS		0.611	U	NS		NS		0.081	U	0.081	U	NS	U
	15-Oct-10	NS		0.081	U	NS		NS		0.081	U	NS		0.081	U	NS		0.081	U	NS		0.081	U
	26-Jan-11	0.809	U	0.081	U	NS		0.081	U	NS		7.37	U	NS		0.404	U	0.404	U	0.404	U	NS	U
	28-Feb-11	NS		NS		0.809	U	NS		NS		NS		NS		NS		NS		NS		NS	U
	27-Apr-11	NS		0.081	U	NS		NS		0.081	U	NS		0.081	U	NS		0.081	U	NS		0.081	U
	26-Jul-11	0.27	U	NS		0.27	U	0.081	U	NS		0.405	U	NS		NS							

**Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds  
February 2008 - July 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																									
1,2-Dichloroethane	8-Feb-08	0.08	U	NS		NS		NS		0.08	U	NS		NS		NS		0.09		0.08	U	NS			
	27-Mar-08	NS		0.081	U	NS		NS		NS		0.143		NS		NS		NS		0.081	U	NS		0.1	
	25-Apr-08	NS		NS		0.081	U	NS		NS		NS		0.081	U	NS		0.081	U	NS		0.089			
	29-May-08	NS		NS		NS		0.09		NS		NS		NS		0.11		NS		0.08	U	NS		NS	
	27-Jun-08	0.126	U	NS		NS		NS		0.153		NS		NS		NS		NS		0.11		0.081	U	0.081	
	31-Jul-08	NS		0.081	U	NS		NS		NS		NS		NS		NS		0.081	U	NS		0.081	U	NS	
	28-Aug-08	NS		NS		0.171		NS		NS		NS		NS		NS		0.081	U	0.081	U	NS		NS	
	27-Oct-08	NS		NS		NS		0.08	U	NS		NS		NS		NS		0.08	U	NS		0.08	U	0.08	
	27-Oct-08	0.08	U	NS		NS		NS		NS		NS		NS		NS		NS		0.08	U	NS		0.095	
	25-Nov-08	NS		0.08	U	NS		NS		NS		0.08	U	NS		NS		0.08	U	NS		0.08	U	NS	
	18-Dec-08	NS		NS		0.08	U	NS		NS		NS		NS		NS		NS		NS		0.08	U	NS	0.08
	21-Jan-09	NS		NS		NS		0.08	U	NS		NS		NS		NS		0.08	U	NS		NS		0.08	U
	25-Feb-09	0.08	U	NS		NS		NS		NS		0.08	U	NS		NS		NS		0.08	U	NS		NS	
	26-Mar-09	NS		0.404	U	NS		NS		NS		0.809	U	NS		NS		NS		NS		0.098		0.133	
	29-Apr-09	NS		NS		0.319		NS		NS		NS		NS		0.081	U	NS		NS		NS		0.089	
	22-Jul-09	0.404	U	NS		16.5	U	0.809	U	NS		0.404	U	NS		NS		NS		0.081	U	0.081	U	NS	
	9-Oct-09	NS		0.081	U	NS		NS		NS		0.081	U	NS		NS		16.9	U	0.081	U	NS		0.081	U
	15-Jan-10	0.081	U	NS		0.081	U	0.081	U	NS		0.081	U	NS		NS		NS		0.081	U	0.081	U	NS	0.081
	21-Apr-10	NS		0.081	U	NS		NS		0.404	U	NS		NS		0.404	U	0.404	U	0.081	U	NS		0.081	U
	16-Jul-10	0.101		NS		1.44		0.081	U	NS		0.611	U	NS		NS		NS		0.081	U	0.081	U	NS	NS
	15-Oct-10	NS		0.081	U	NS		NS		0.081	U	NS		NS		0.081	U	NS		0.081	U	NS		NS	0.081
	26-Jan-11	0.809	U	0.081	U	NS		0.081	U	NS		0.404	U	NS		NS		0.404	U	0.404	U	0.404	U	NS	NS
	28-Feb-11	NS		NS		0.809	U	NS		NS		NS		NS		NS		NS		NS		NS		NS	NS
	27-Apr-11	NS		0.081	U	NS		NS		0.081	U	NS		NS		0.081	U	NS		0.081	U	NS		0.081	U
	26-Jul-11	0.27	U	NS		0.27	U	0.101	NS		0.405	U	NS		NS		NS		0.081	U	0.405	U	NS		NS
	28-Oct-11	NS		2	U	NS		NS		2	U	NS		2	U	2	U	2	U	2	U	NS		2	U
	23-Jan-12	0.2	U	NS		0.2		0.2	U	NS		0.2	U	NS		NS		NS		0.2	U	0.97		NS	
	13-Apr-12	NS		0.2	U	NS		NS		NS		0.2	U	NS		0.2	U	NS		0.2	U	NS		0.2	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		1	U	NS	
	23-Jun-12	0.4	U	NS		0.4	U	NS		0.4	U	NS		NS		NS		NS		0.4	U	0.4	U	NS	NS
	1-Nov-12	NS		0.04	U	NS		NS		0.04	U	NS		NS		0.04	U	NS		0.04	U	NS		0.057	
	1-Feb-13	0.053		NS		0.062		0.062	NS		NS		0.05		NS		NS		0.066		0.049		NS		NS
	29-Apr-13	NS		0.19		NS		NS		0.06		NS		NS		0.04	U	0.081		0.079		NS		0.094	
	9-Jul-13	0.12	U	NS		0.081	U	0.081	U	NS		0.081	U	NS		NS		NS		0.092	U	0.081	U	NS	
	18-Oct-13	NS		0.081	U	NS		NS		0.081	U	NS		NS		0.081	U	NS		0.081	U	NS		0.081	U
	9-Jan-14	0.081	U	NS		0.040	U	0.040	U	NS		0.040	U	NS		NS		NS		0.081	U	0.040	U	NS	
	24-Apr-14	NS		0.04	U	NS		NS		NS		0.04	U	NS		NS		NS		0.04	U	0.040	U	0.073	
	1-Aug-14	0.040	U	NS		0.170		0.061	U	NS		NS		NS		NS		NS		0.04	U	0.040	U	NS	
	27-Aug-14	NS		NS		NS		NS		NS		0.040	U	NS		NS		NS		NS		NS		NS	
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		0.061	U	NS		NS	U	NS	
	22-Oct-14			0.061	U	NS		NS		0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.081	U	NS	
	20-Jan-15	0.040	U	NS		0.040	U	NS		0.040	U	NS		NS		NS		NS		0.061	U	0.100		NS	
30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		0.046	U	NS		
22-Apr-15	NS		0.17 <sup>v</sup>		NS		NS		NS		0.087 <sup>v</sup>		NS		NS		NS		NS		NS		0.047	U	
21-Jul-15	0.140 <sup>j</sup>		NS		0.8	U	4	U	NS		0.2	U	NS		NS		NS		0.200 <sup>o</sup>		0.86 <sup>o</sup>		NS		
1,1-Dichloroethene	8-Feb-08	0.08	U	NS		NS		NS		0.08	U	NS		NS		NS		0.08	U	0.08	U	NS		NS	
	27-Mar-08	NS		0.079	U	NS		NS		NS		0.079	U	NS		NS		NS		0.079	U	0.079	U	NS	
	25-Apr-08	NS		NS		0.079	U	NS		NS		NS		NS		NS		NS		0.079	U	0.079	U	NS	
	29-May-08	NS		NS		NS		0.08	U	NS		NS		NS		0.08	U	NS		0.08	U	NS		NS	
	27-Jun-08	0.123	U	NS		NS		NS		0.079	U	NS		NS		NS		NS		0.079	U	0.079	U	NS	
	31-Jul-08	NS		0.079	U	NS		NS		NS		NS		NS		NS		NS		0.079	U	NS		0.079	
	28-Aug-08	NS		NS		0.079	U	NS		NS		NS		0.079	U	NS		NS		0.079	U	NS		NS	
	30-Sep-08	NS		NS		NS		2	U	NS		NS		NS		2	U	NS		2	U	2	U	NS	
	27-Oct-08	2	U	NS		NS		NS		2	U	NS		NS		NS		NS		2	U	2	U	NS	
	25-Nov-08	NS		2	U	NS		NS		NS		2	U	NS		NS		NS		2	U	2	U	NS	
	18-Dec-08	NS		NS		2	U	NS		NS		NS		NS		2	U	NS		2	U	2	U	NS	
	21-Jan-09	NS		NS		NS		2	U	NS		NS		NS		2	U	NS		2	U	2	U	NS	
	25-Feb-09	2	U	NS		NS		NS		2	U	NS		NS		NS		NS		2	U	2	U	NS	
	26-Mar-09	NS		0.396	U	NS		NS		NS		0.792	U	NS		NS		NS		NS		0.079	U	0.079	U
	29-Apr-09	NS		NS		0.079	U	NS		NS		NS		NS		NS		NS		0.079	U	NS		0.079	U
	22-Jul-09	0.396	U	NS		16.2	U	0.792	U	NS		0.396	U	NS		NS		NS		0.079	U	0.079	U	NS	
	9-Oct-09	NS		0.079	U	NS		NS		0.079	U	NS		NS		0.079	U	16.5	U	NS		NS		0.079	U
	15-Jan-10	0.137	U	NS		0.079	U	0.079	U	NS		0.079	U	NS		NS		NS		0.079	U	0.079	U	NS	
	21-Apr-10	NS		0.079	U	NS		NS		0.396	U	NS		0.396	U	NS		0.396	U	NS		NS		0.079	U
	16-Jul-10	0.079	U	NS		0.206		0.079	U	NS		0.598	U	NS		NS		NS		0.079	U	0.079	U		





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

Volatile Organic Compounds via TO-15	Sample Date	MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3	
		Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
1,2-Dichloropropane	8-Feb-08	0.09	U	NS		NS		NS		0.09	U	NS		NS		NS		0.09	U	0.09	U	NS	
	27-Mar-08	NS		0.092	U	NS		NS		NS		0.092	U	NS		NS		NS		0.092	U	0.092	U
	25-Apr-08	NS		NS		0.092	U	NS		NS		NS		0.092	U	NS		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	
	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		NS		0.092	U	NS	
	30-Sep-08	NS		NS		NS		0.09	U	NS		NS		NS		NS		0.09	U	NS		0.09	U
	27-Oct-08	0.09	U	NS		NS		NS		0.09	U	NS		NS		NS		NS		0.09	U	NS	
	25-Nov-08	NS		0.09	U	NS		NS		NS		NS		0.09	U	NS		NS		0.09	U	NS	
	18-Dec-08	NS		NS		0.09	U	NS		NS		NS		0.09	U	NS		NS		0.09	U	NS	
	21-Jan-09	NS		NS		NS		0.09	U	NS		NS		NS		0.09	U	NS		0.09	U	NS	
	25-Feb-09	0.09	U	NS		NS		NS		0.09	U	NS		NS		NS		0.09	U	NS		0.09	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		NS		0.092	U	NS	
	22-Jul-09	0.462	U	NS		18.8	U	0.924	U	NS		0.462	U	NS		NS		NS		0.092	U	0.092	U
	9-Oct-09	NS		0.092	U	NS		NS		0.092	U	NS		0.092	U	19.3	U	NS		0.092	U	NS	
	15-Jan-10	0.092	U	NS		0.092	U	0.092	U	NS		0.092	U	NS		NS		NS		0.092	U	0.092	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	
	15-Oct-10	NS		0.092	U	NS		NS		0.092	U	NS		0.092	U	NS		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	
	28-Feb-11	NS		NS		0.924	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.092	U	NS		NS		0.092	U	NS		0.092	U	0.092	U	0.092	U	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	
	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	
	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	
	23-Jun-12	0.46	U	NS		0.46	U	NS		0.46	U	NS		NS		NS		NS		0.46	U	NS	
	1-Nov-12	NS		0.046	U	NS		NS		0.046	U	NS		0.046	U	0.046	U	0.046	U	NS		0.046	U
	1-Feb-13	0.092	U	NS		0.092	U	0.092	U	NS		0.092	U	NS		NS		0.092	U	0.092	U	NS	
	29-Apr-13	NS		0.12	U	NS		NS		0.046	U	NS		0.046	U	0.046	U	0.046	U	NS		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	
	18-Oct-13	NS		0.092	U	NS		NS		0.092	U	NS		0.092	U	NS		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		
24-Apr-14	NS		0.046 <sup>L-V</sup>	U	NS		NS		0.046 <sup>L-V</sup>	U	NS		0.046 <sup>L-V</sup>	U	0.046 <sup>L-V</sup>	U	0.046 <sup>L-V</sup>	U	0.046 <sup>L-V</sup>	U	0.14 <sup>L-V</sup>	U	
1-Aug-14	0.092	U	NS		0.14	U	0.14	U	NS		NS		NS		NS		0.092	U	NS		NS		
27-Aug-14	NS		NS		NS		NS		NS		0.046	U	NS		NS		NS		NS		NS		
12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		0.069 <sup>L-V</sup>	U	NS		NS		NS		
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		
20-Jan-15	0.046	U	NS		0.046	U	NS		0.046	U	NS		NS		NS		NS		0.046	U	NS		
30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		0.052	U	NS		
22-Apr-15	NS		0.047	U	NS		NS		0.046	U	NS		0.067	U	NS		NS		NS		0.053	U	
21-Jul-15	0.2	U	NS		0.9	U	5	U	NS		0.3	U	NS		NS		0.200 <sup>O</sup>	U	0.200 <sup>O</sup>	U	NS		
cis-1,3-Dichloropropene	8-Feb-08	0.09	U	NS		NS		NS		0.09	U	NS		NS		NS		0.09	U	0.09	U	NS	
	27-Mar-08	NS		0.091	U	NS		NS		NS		0.091	U	NS		NS		NS		0.091	U	0.091	U
	25-Apr-08	NS		NS		0.091	U	NS		NS		NS		0.091	U	NS		NS		0.091	U	0.091	U
	29-May-08	NS		NS		NS		0.09	U	NS		NS		NS		0.09	U	NS		0.09	U	NS	
	27-Jun-08	0.141	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	
	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	NS		0.18	U
	18-Dec-08	NS		NS		0.18	U	NS		NS		NS		NS		NS		0.18	U	NS		0.18	U
	21-Jan-09	NS		NS		NS		0.18	U	NS		NS		NS		0.18	U	NS		0.18	U	NS	
	25-Feb-09	0.18	U	NS		NS		NS		0.18	U	NS		NS		NS		0.18	U	NS		0.18	U
	26-Mar-09	NS		0.453	U	NS		NS		NS		0.907	U	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	
	9-Oct-09	NS		0.091	U	NS		NS		0.091	U	NS		NS		18.9	U	NS		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	NS		NS	
	21-Apr-10	NS		0.091	U	NS		NS		0.453	U	NS		0.453	U	NS		NS		NS		0.091	U
	16-Jul-10	0.091	U	NS		0.091	U	0.091	U	NS		0.685	U	NS		NS		0.091	U	0.091	U	NS	
	15-Oct-10	NS		0.091	U	NS		NS		0.091	U	NS		0.091	U	NS		0.091	U	NS		0.091	U
	26-Jan-11	0.907	U	0.091	U	NS		0.091	U	NS		0.453	U	NS		0.453	U	0.453	U	0.453	U	NS	
	28-Feb-11	NS		NS		0.907	U	NS		NS		NS											

Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds  
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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	
	27-Mar-08	NS		0.091	U	NS		NS		0.091	U	NS		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		NS		0.09	U	NS	
	27-Jun-08	0.141	U	NS		NS		NS		0.091	U	NS		NS		NS		NS		0.091	U	0.091	U
	31-Jul-08	NS		0.091	U	NS		NS		NS		NS		NS		NS		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	NS		NS	
	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		0.18	U	NS		NS		NS		0.18	U	NS		0.18	U
	25-Nov-08	NS		0.18	U	NS		NS		NS		0.18	U	NS		NS		0.18	U	NS		NS	
	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		NS		0.18	U
	25-Feb-09	0.18	U	NS		NS		NS		0.18	U	NS		NS		NS		0.18	U	NS		NS	
	26-Mar-09	NS		0.453	U	NS		NS		NS		0.907	U	NS		NS		NS		0.091	U	0.091	U
	29-Apr-09	NS		NS		0.091	U	NS		NS		NS		0.091	U	NS		NS		NS		0.091	U
	22-Jul-09	0.453	U	NS		0.453	U	0.907	U	NS		0.453	U	NS		NS		0.091	U	0.091	U	NS	
	9-Oct-09	NS		0.079	U	NS		NS		0.091	U	NS		0.091	U	NS		18.9	U	0.091	U	NS	
	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	
	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	0.091	U	NS		0.685	U	NS		NS		0.091	U	0.091	U	NS	
	15-Oct-10	NS		0.091	U	NS		NS		0.091	U	NS		0.091	U	NS		0.091	U	NS		NS	
	26-Jan-11	0.907	U	0.091	U	NS		0.091	U	NS		0.453	U	NS		0.453	U	0.453	U	0.453	U	NS	
	28-Feb-11	NS		NS		0.907	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.091	U	NS		NS		0.091	U	NS		0.091	U	0.091	U	0.091	U	NS		0.091	U
	26-Jul-11	0.303	U	NS		0.303	U	0.091	U	NS		0.454	U	NS		NS		0.091	U	0.454	U	NS	
	28-Oct-11	NS		2.3	U	NS		NS		2.3	U	NS		2.3	U	2.3	U	2.3	U	NS		2.3	U
	23-Jan-12	0.45	U	NS		0.45	U	NS		0.45	U	NS		NS		NS		0.45	U	NS		NS	
	13-Apr-12	NS		1.2	U	NS		NS		0.23	U	NS		0.23	U	0.23	U	NS		NS		0.23	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		1.1	U	NS	
	23-Jun-12	0.45	U	NS		0.45	U	NS		0.45	U	NS		NS		NS		NS		0.45	U	NS	
	1-Nov-12	NS		0.045	U	NS		NS		0.045	U	NS		0.045	U	0.045	U	0.045	U	NS		0.045	U
	1-Feb-13	0.045	U	NS		0.045	U	0.045	U	NS		0.045	U	NS		NS		0.045	U	NS		NS	
	29-Apr-13	NS		0.11	U	NS		NS		0.045	U	NS		0.045	U	0.045	U	0.045	U	NS		0.045	U
	9-Jul-13	0.068	U	NS		0.045	U	0.045	U	NS		0.045	U	NS		NS		0.045	U	0.045	U	NS	
18-Oct-13	NS		0.091	U	NS		NS		0.091	U	NS		0.091	U	NS		0.091	U	NS		0.091	U	
9-Jan-14	0.091	U	NS		0.091	U	0.091	U	NS		0.091	U	NS		NS		0.091	U	0.091	U	NS		
24-Apr-14	NS		0.045	U	NS		NS		0.045	U	NS		0.045	U	0.045	U	0.045	U	0.045	U	0.14	U	
1-Aug-14	0.091	U	NS		0.14	U	NS		NS		NS		NS		NS		0.091	U	0.091	U	NS		
27-Aug-14	NS		NS		NS		NS		0.045	U	NS		NS		NS		NS		NS		NS		
12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		0.068	U	NS		NS		NS		
22-Oct-14	NS		0.068	U	NS		NS		0.068	U	0.068	U	0.068	U	0.068	U	0.068	U	0.091	U	NS		
20-Jan-15	0.045	U	NS		0.045	U	NS		0.045	U	NS		NS		NS		0.045	U	NS		NS		
30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		0.051	U	NS		
22-Apr-15	NS		0.047	U	NS		NS		0.045	U	NS		NS		0.066	U	NS		NS		0.052	U	
21-Jul-15	0.2	U	NS		0.9	U	5	U	NS		0.3	U	NS		NS		0.200 <sup>o</sup>	U	0.200 <sup>o</sup>	U	NS		
Ethylbenzene	8-Feb-08	0.21		NS		NS		NS		0.23		NS		NS		NS		0.33		4.89		NS	
	27-Mar-08	NS		0.295		NS		NS		NS		0.157		NS		NS		NS		0.645		0.372	
	25-Apr-08	NS		0.291		NS		NS		NS		NS		0.32		NS		NS		NS		0.565	
	29-May-08	NS		NS		NS		1.49		NS		NS		NS		2.2		2.82		1.01		NS	
	27-Jun-08	4.34		NS		NS		NS		0.472		NS		NS		NS		NS		0.606		0.699	
	31-Jul-08	NS		*		NS		NS		NS		NS		NS		NS		0.758		NS		0.577	
	28-Aug-08	NS		NS		0.83		NS		NS		NS		0.482		NS		0.711		0.666		NS	
	30-Sep-08	NS		NS		NS		2.2	U	NS		NS		NS		2.2	U	NS		2.2	U	2.2	U
	27-Oct-08	18.4		NS		NS		NS		2.2	U	NS		NS		NS		2.2	U	NS		2.2	U
	25-Nov-08	NS		2.2	U	NS		NS		NS		2.2	U	NS		NS		2.2	U	NS		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	NS		NS		2.2	U
	25-Feb-09	10.8		NS		NS		NS		2.2	U	NS		NS		NS		2.2	U	NS		NS	
	26-Mar-09	NS		0.516		NS		NS		NS		0.868	U	NS		NS		NS		0.845		1.18	
	29-Apr-09	NS		NS		0.19		NS		NS		NS		0.191		NS		NS		0.304		NS	
	22-Jul-09	11.7		NS		11.7		0.868	U	NS		1.15		NS		NS		38.2		1.04		NS	
	9-Oct-09	NS		0.564		NS		NS		0.56		0.291		NS		18.1	U	0.542		NS		0.542	
	15-Jan-10	6.95		NS		0.568		0.542		NS		0.659		NS		NS		0.712		0.72		NS	
	21-Apr-10	NS		0.304		NS		NS		1.34		NS		1.8		1.76		NS		2.12		1.56	
	16-Jul-10	8.23		NS		2.4		NS		1.8		NS		1.44		NS		NS		1.51		NS	
	15-Oct-10	NS		0.534		NS		NS		0.625		NS		0.521		0.573		NS		1.07		0.833	
	26-Jan-11	1.26		1.62		NS		1.66		NS		1.26		NS		1.21		4.14		4.68		NS	
	28-Feb-11	NS		NS		0.868	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.243		NS		NS		0.239		NS		0.286		3.86		0.364		NS		0.508	

Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds  
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Volatile Organic Compounds via TO-15	Sample Date	MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3	
		Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
Isopropylbenzene	8-Feb-08	2.46	U	NS		NS		NS		2.46	U	NS		NS		NS		2.46	U	2.46	U	NS	
	27-Mar-08	NS		2.46	U	NS		NS		NS		NS		NS		NS		NS		2.46	U	2.46	U
	25-Apr-08	NS		NS		2.46	U	NS		NS		NS		2.46	U	NS		2.46	U	NS		2.46	U
	29-May-08	NS		NS		NS		2.46	U	NS		NS		NS		2.46	U	NS		2.46	U	NS	
	27-Jun-08	3.83	U	NS		NS		NS		2.46	U	NS		NS		NS		NS		2.46	U	2.46	U
	31-Jul-08	NS		2.46	U	NS		NS		NS		NS		NS		NS		2.46	U	NS		2.46	U
	28-Aug-08	NS		NS		2.46	U	NS		NS		NS		2.46	U	NS		NS		2.46	U	NS	
	30-Sep-08	NS		NS		NS		4.9	U	NS		NS		NS		4.9	U	NS		4.9	U	4.9	U
	27-Oct-08	5.2		NS		NS		NS		4.9	U	NS		NS		NS		NS		4.9	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	
	18-Dec-08	NS		NS		4.9	U	NS		NS		NS		4.9	U	NS		NS		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		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	
	26-Mar-09	NS		12.3	U	NS		NS		NS		24.6	U	NS		NS		NS		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		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	
	9-Oct-09	NS		2.74	U	NS		NS		2.46	U	NS		2.46	U	513	U	2.46	U	NS		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	
	21-Apr-10	NS		2.46	U	NS		NS		12.3	U	NS		12.3	U	12.3	U	2.46	U	NS		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	
	15-Oct-10	NS		2.46	U	NS		NS		2.46	U	NS		2.46	U	NS		2.46	U	NS		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	
	28-Feb-11	NS		NS		24.6	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		2.46	U	NS		NS		2.46	U	NS		2.46	U	2.46	U	2.46	U	NS		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	
	28-Oct-11	NS		6.2	U	NS		NS		6.2	U	NS		6.2	U	6.2	U	6.2	U	NS		6.2	U
	23-Jan-12	1.2	U	NS		1.2	U	0.25	U	NS		1.2	U	NS		NS		1.2	U	1.4	U	NS	
	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		NS		NS		NS		NS		NS		NS		NS		6.2	U	NS	
	23-Jun-12	1.2	U	NS		1.2	U	NS		1.2	U	NS		NS		NS		1.2	U	1.2	U	NS	
	1-Nov-12	NS		0.25	U	NS		NS		0.25	U	NS		0.25	U	0.25	U	0.25	U	NS		0.25	U
1-Feb-13	0.25	U	NS		0.25	U	NS		0.25	U	NS		0.25	U	NS		NS		0.25	U	NS		
29-Apr-13	NS		0.62	U	NS		NS		0.25	U	NS		0.25	U	0.25	U	0.25	U	NS		NS		
9-Jul-13	0.37	U	NS		0.25	U	0.25	U	NS		0.25	U	NS		NS		0.25	U	0.25	U	NS		
18-Oct-13	NS		0.25	U	NS		NS		0.25	U	NS		0.25	U	0.27	U	NS		0.25	U	NS		
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		
24-Apr-14	NS		NS		NS		NS		0.25	U	NS		0.25	U	NS		0.25	U	0.25	U	0.37	U	
1-Aug-14	0.25		NS		0.37	U	0.37	U	NS		NS		NS		NS		0.25	U	0.25	U	NS		
27-Aug-14	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		0.37	U	NS		NS		NS		
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		
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		
30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		0.28	U	NS		
22-Apr-15	NS		0.26	U	NS		NS		0.25	U	NS		0.25	U	0.36	U	NS		NS		0.29	U	
21-Jul-15	0.140 <sup>J</sup>		NS		1	U	5	U	NS		0.19 <sup>J</sup>		NS		NS		0.21 <sup>J,O</sup>		0.20 <sup>L,O</sup>		NS		
p-Isopropyltoluene	8-Feb-08	2.74	U	NS		NS		NS		2.74	U	NS		NS		NS		2.74	U	2.74	U	NS	
	27-Mar-08	NS		2.74	U	NS		1.2	U	NS		NS		NS		NS		NS		2.74	U	2.74	U
	25-Apr-08	NS		NS		2.74	U	NS		NS		NS		2.74	U	NS		NS		NS		2.74	U
	29-May-08	NS		NS		NS		2.74	U	NS		NS		NS		2.74	U	NS		2.74	U	NS	
	27-Jun-08	4.27	U	NS		NS		NS		2.74	U	NS		NS		NS		NS		2.74	U	2.74	U
	31-Jul-08	NS		2.74	U	NS		NS		NS		NS		NS		NS		2.74	U	NS		2.74	U
	28-Aug-08	NS		NS		2.74	U	NS		NS		NS		2.74	U	NS		2.74	U	2.74	U	NS	
	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	12.5		NS		NS		NS		5.5	U	NS		NS		NS		18.5	U	NS		5.5	U
	25-Nov-08	NS		5.5	U	NS		NS		NS		5.5	U	NS		NS		5.5	U	NS		NS	
	18-Dec-08	NS		NS		5.5	U	NS		NS		NS		NS		NS		NS		5.5	U	5.5	U
	21-Jan-09	NS		NS		NS		5.5	U	NS		NS		NS		5.5	U	NS		NS		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	
	26-Mar-09	NS		13.7	U	NS		NS		NS		27.4	U	NS		NS		NS		2.74	U	2.74	U
	29-Apr-09	NS		NS		2.74	U	NS		NS		NS		2.74	U	NS		NS		NS		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	
	9-Oct-09	NS		2.74	U	NS		NS		2.74	U	NS		2.74	U	NS		573	U	2.74	U	NS	
	15-Jan-10	2.72	U	NS		2.74	U	NS		2.74	U	NS		2.74	U	NS		NS		2.74	U	NS	
	21-Apr-10	NS		2.74	U	NS		NS		13.7	U	NS		13.7	U	NS		NS		2.74	U	2.74	U
	16-Jul-10	2.74	U	NS		2.74	U	2.74	U	NS		20.7	U	NS		NS		NS		2.74	U	2.74	U
	15-Oct-10	NS		2.74	U	NS		NS		2.74	U	NS		2.74	U	NS		2.74	U	2.74	U	NS	
	26-Jan-11	27.4	U	2.74	U	NS		2.74	U	NS		13.7	U	NS		13.7	U	13.7	U	13.7	U	NS	
	28-Feb-11	NS		NS		27.4	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		2.74	U	NS		NS		2.74	U	NS		2.74	U	NS		2.74	U	NS		NS	
	26-Jul-11	9.17	U	NS																			

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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
Methyl tert butyl ether (MTBE)	8-Feb-08	0.07	U	NS		NS		NS		0.07	U	NS		NS		NS		0.14		0.07	U	NS	
	27-Mar-08	NS		0.072	U	NS		NS		0.072	U	NS		NS		NS		NS		0.165		0.126	
	25-Apr-08	NS		NS		0.072	U	NS		NS		NS		0.072	U	NS		0.072	U	NS		0.079	
	29-May-08	NS		NS		NS		0.07	U	NS		NS		NS		0.07	U	NS		0.07	U	NS	
	27-Jun-08	0.436		NS		NS		NS		0.072	U	NS		NS		NS		NS		0.072	U	0.072	U
	31-Jul-08	NS		0.072	U	NS		NS		NS		NS		NS		NS		0.072	U	NS		0.072	U
	28-Aug-08	NS		NS		0.106		NS		NS		NS		0.072	U	NS		0.172	U	NS		0.14	
	30-Sep-08	NS		NS		NS		1.8	U	NS		NS		NS		1.8	U	NS		1.8	U	1.8	U
	27-Oct-08	1.8	U	NS		NS		NS		2.6		NS		NS		NS		3.2		NS		5.8	
	25-Nov-08	NS		1.8	U	NS		NS		NS		1.8	U	NS		NS		1.8	U	NS		1.8	U
	18-Dec-08	NS		NS		1.8	U	NS		NS		NS		1.8	U	NS		NS		1.8	U	1.8	U
	21-Jan-09	NS		NS		NS		1.8	U	NS		NS		NS		1.8	U	NS		1.8	U	1.8	U
	25-Feb-09	5.8		NS		NS		NS		1.8	U	NS		NS		NS		NS		1.8	U	1.8	U
	26-Mar-09	NS		0.36	U	NS		NS		NS		0.72	U	NS		NS		NS		NS		0.072	U
	29-Apr-09	NS		NS		0.072	U	NS		NS		NS		0.072	U	NS		NS		0.072	U	NS	
	22-Jul-09	0.36	U	NS		0.36	U	NS		0.72	U	NS		0.36	U	NS		NS		0.072	U	0.072	U
	9-Oct-09	NS		0.072	U	NS		NS		0.072	U	NS		0.072	U	NS		15	U	0.086		NS	
	15-Jan-10	0.079		NS		0.072	U	0.072	U	NS		0.072	U	NS		NS		NS		0.072	U	0.072	U
	21-Apr-10	NS		0.072	U	NS		NS		0.36	U	NS		3.6	U	0.36	U	0.072	U	NS		NS	
	16-Jul-10	0.072	U	NS		0.072	U	0.072	U	NS		0.544	U	NS		NS		NS		0.072	U	0.072	U
	15-Oct-10	NS		0.072	U	NS		NS		0.072	U	NS		0.072	U	NS		0.072	U	NS		NS	
	26-Jan-11	0.72	U	0.072	U	NS		0.072	U	NS		0.396	U	NS		0.36	U	0.36	U	NS		NS	
	28-Feb-11	NS		NS		0.72	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.072	U	NS		NS		0.072	U	NS		0.072	U	0.072	U	0.072	U	NS		0.072	U
	26-Jul-11	0.24	U	NS		0.24	U	0.072	U	NS		0.36	U	NS		NS		0.072	U	0.36	U	NS	
	28-Oct-11	NS		1.8	U	NS		NS		1.8	U	NS		1.8	U	1.8	U	1.8	U	NS		NS	
	23-Jan-12	0.36	U	NS		0.36	U	0.36	U	NS		0.36	U	NS		NS		0.36	U	NS		NS	
	13-Apr-12	NS		0.36	U	NS		NS		0.36	U	NS		0.36	U	NS		0.36	U	NS		NS	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		1.8	U
	23-Jun-12	0.36	U	NS		0.36	U	NS		0.36	U	NS		NS		NS		NS		NS		0.36	U
	1-Nov-12	NS		0.072	U	NS		NS		0.072	U	NS		0.072	U	0.072	U	0.072	U	NS		NS	
	1-Feb-13	0.072	U	NS		0.072	U	0.072	U	0.072	U	NS		0.072	U	NS		NS		0.072	U	0.072	U
	29-Apr-13	NS		0.18	U	NS		NS		NS		0.072	U	NS		0.072	U	0.072	U	NS		NS	
	9-Jul-13	0.17		NS		0.072	U	0.072	U	NS		0.072	U	NS		NS		0.072	U	0.072	U	NS	
18-Oct-13	NS		0.072	U	NS		NS		0.072	U	NS		0.072	U	NS		0.072	U	NS		NS		
9-Jan-14	0.072	U	NS		0.072	U	0.072	U	NS		0.072	U	NS		NS		0.072	U	NS		NS		
24-Apr-14	NS		0.072	U	NS		NS		0.072	U	NS		0.077	U	0.072	U	0.072	U	NS		NS		
1-Aug-14	0.072	U	NS		0.11	U	0.12		NS		NS		NS		NS		0.072	U	NS		NS		
27-Aug-14	NS		NS		NS		NS		NS		0.072	U	NS		NS		NS		NS		NS		
12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		0.11	U	NS		NS		
22-Oct-14	NS		0.11	U	NS		NS		0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	NS		0.14	U	
20-Jan-15	0.072	U	NS		0.072	U	NS		0.072	U	NS		NS		NS		NS		NS		0.072	U	
30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		0.081	U	
22-Apr-15	NS		0.072 <sup>V</sup>	U	NS		NS		NS		NS		NS		NS		NS		NS		NS		
21-Jul-15	0.2	U	NS		0.7	U	4	U	NS		0.2	U	NS		NS		0.200 <sup>D</sup>	U	0.200 <sup>D</sup>	U	NS		
Methylene chloride	8-Feb-08	2.34		NS		NS		NS		1.74	U	NS		NS		NS		1.74	U	1.74	U	NS	
	27-Mar-08	NS		1.74	U	NS		NS		NS		2.87		NS		NS		NS		2.1		1.74	U
	25-Apr-08	NS		NS		1.74	U	NS		NS		NS		1.74	U	NS		NS		NS		1.74	U
	29-May-08	NS		NS		NS		1.74	U	NS		NS		NS		1.74	U	2.91		1.74	U	NS	
	27-Jun-08	4.33	U	NS		NS		NS		3.69		NS		NS		NS		NS		2.78		2.78	U
	31-Jul-08	NS		1.74	U	NS		NS		NS		NS		NS		NS		NS		NS		1.74	U
	28-Aug-08	NS		NS		1.74	U	NS		NS		NS		1.74	U	NS		NS		1.74	U	NS	
	30-Sep-08	NS		NS		NS		1.7	U	NS		NS		NS		1.7	U	NS		1.7	U	1.7	U
	27-Oct-08	1.7	U	NS		NS		NS		1.7	U	NS		NS		NS		NS		1.7	U	NS	
	25-Nov-08	NS		1.7	U	NS		NS		NS		1.7	U	NS		NS		NS		1.7	U	NS	
	18-Dec-08	NS		NS		1.7	U	NS		NS		NS		NS		NS		NS		1.7	U	1.7	U
	21-Jan-09	NS		NS		NS		1.7	U	NS		NS		NS		NS		NS		1.7	U	NS	
	25-Feb-09	1.7	U	NS		NS		NS		1.7	U	NS		NS		NS		NS		1.7	U	NS	
	26-Mar-09	NS		16.1		NS		NS		NS		17.4	U	NS		NS		NS		NS		1.74	U
	29-Apr-09	NS		NS		1.74	U	NS		NS		NS		1.74	U	NS		NS		1.74	U	NS	
	22-Jul-09	86.8	U	NS		8.68	U	17.4	U	NS		8.68	U	NS		NS		NS		1.74	U	NS	
	9-Oct-09	NS		1.74	U	NS		NS		1.74	U	NS		NS		362	U	NS		1.74	U	NS	
	15-Jan-10	1.74	U	NS		1.74	U	1.74	U	NS		1.74	U	NS		NS		NS		1.74	U	NS	
	21-Apr-10	NS		1.74	U	NS		NS		0.868	U	NS		8.68	U	NS		NS		1.74	U	NS	
	16-Jul-10	24		NS		21.5		19.5		NS		26.2	U	NS		NS		NS		27.1		26.5	
	15-Oct-10	NS		3.47	U	NS		NS		3.47	U	NS		3.47	U	NS		3.47	U	NS		3.47	U
	26-Jan-11	34.7	U	3.47	U	NS		3.47	U	NS		0.404	U	NS		17.4	U	NS		17.4	U	NS	
	28-Feb-11	NS		NS		34.7	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		3.47	U	NS		NS		3.47	U	NS		NS		3.47	U	NS		NS		NS	
	26-Jul-11	11.6	U	NS		11.6	U	3.47	U	NS		17.4											

Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds  
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Volatile Organic Compounds via TO-15	Sample Date	MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3		
		Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	
4-Methyl-2-pentanone	8-Feb-08	2.05	U	NS		NS		NS		2.05	U	NS		NS		NS		2.05	U	8.7		NS		
	27-Mar-08	NS		2.05	U	NS		NS		NS		NS		NS		NS		NS		15.2		2.05	U	
	25-Apr-08	NS		NS		2.05	U	NS		NS		NS		2.05	U	NS		2.05	U	NS		2.05	U	
	29-May-08	NS		NS		NS		2.05	U	NS		NS		NS		2.05	U	NS		2.05	U	NS	U	
	27-Jun-08	3.19	U	NS		NS		NS		2.05	U	NS		NS		NS		NS		2.05	U	2.05	U	
	31-Jul-08	NS		2.05	U	NS		NS		NS		NS		NS		NS		NS		2.05	U	NS	U	
	28-Aug-08	NS		NS		2.05	U	NS		NS		NS		2.05	U	NS		NS		2.05	U	NS	U	
	30-Sep-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		NS		NS		2	U	
	25-Nov-08	NS		3.5		NS		NS		NS		2	U	NS		NS		NS		2	U	NS	U	
	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	NS		NS		2	U	
	25-Feb-09	2	U	NS		NS		NS		2	U	NS		NS		NS		NS		2	U	NS	U	
	26-Mar-09	NS		10.2	U	NS		NS		NS		20.5	U	NS		NS		NS		2.05	U	2.05	U	
	29-Apr-09	NS		NS		2.05	U	NS		NS		NS		2.05	U	NS		NS		NS		2.05	U	
	22-Jul-09	10.2	U	NS		10.2	U	NS		20.5	U	NS		10.2	U	NS		NS		2.05	U	NS	U	
	9-Oct-09	NS		2.05	U	NS		NS		2.05	U	NS		2.05	U	NS		427	U	2.05	U	NS	U	
	15-Jan-10	2.05	U	NS		2.05	U	NS		2.05	U	NS		2.05	U	NS		NS		2.05	U	NS	U	
	21-Apr-10	NS		2.05	U	NS		NS		10.2	U	NS		10.2	U	10.2	U	10.2	U	2.05	U	NS	U	
	16-Jul-10	2.05	U	NS		2.05	U	NS		2.05	U	15.4	U	NS		NS		NS		2.05	U	2.05	U	
	15-Oct-10	NS		2.05	U	NS		NS		2.05	U	NS		2.05	U	NS		2.05	U	NS		2.05	U	
	26-Jan-11	20.5	U	2.05	U	NS		2.05	U	NS		10.2	U	NS		10.2	U	10.2	U	10.2	U	NS	U	
	28-Feb-11	NS		NS		20.5	U	NS		NS		NS		NS		NS		NS		NS		NS	U	
	27-Apr-11	NS		2.05	U	NS		NS		2.05	U	NS		2.05	U	NS		2.05	U	2.05	U	NS	3.35	
	26-Jul-11	6.84	U	NS		0.684	U	NS		2.05	U	NS		10.2	U	NS		NS		NS		10.2	U	
	28-Oct-11	NS		2	U	NS		NS		2	U	NS		2	U	2	U	2	U	NS		2	U	
	23-Jan-12	0.41	U	NS		0.44	U	NS		0.41	U	NS		NS		NS		NS		0.41	U	NS	U	
	13-Apr-12	NS		0.41	U	NS		NS		0.41	U	NS		NS		0.41	U	NS		0.41	U	NS	U	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		2	U	
	23-Jun-12	0.41	U	NS		0.41	U	NS		0.41	U	NS		NS		NS		NS		NS		0.46	U	
	1-Nov-12	NS		0.89		NS		NS		0.65		NS		0.9		NS		0.84		1.1		NS	1.1	
	1-Feb-13	0.12		NS		0.082	U	NS		0.082	U	NS		0.095		NS		NS		0.082	U	0.29	NS	
	29-Apr-13	NS		0.2	U	NS		NS		0.21		NS		0.21		NS		0.082	U	0.86		NS	0.78	
	9-Jul-13	0.66		NS		0.55		NS		0.47		NS		0.51		NS		NS		0.92		0.39	NS	
	18-Oct-13	NS		1.8		NS		NS		2.7		NS		2.2		NS		2.3		3.0		NS	3.8	
	9-Jan-14	0.18		NS		0.15		NS		0.21		NS		0.082	U	NS		NS		0.21		0.77	NS	
	24-Apr-14	NS		0.087		NS		NS		0.082	U	NS		0.13		NS		0.082	U	0.38		0.32	0.66	
	1-Aug-14	0.64		NS		1.0/0.74		NS		1.1/0.86		NS		NS		NS		NS		1.30		2.4/2.0	NS	
	27-Aug-14	NS		NS		NS		NS		NS		NS		2.4		NS		NS		NS		NS	NS	
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		0.44		NS		NS	U	
	22-Oct-14	NS		0.13		NS		NS		0.12	U	NS		0.12	U	0.26		0.12	U	0.78		0.73	NS	
	20-Jan-15	0.087		NS		0.085		NS		0.12		NS		0.088		NS		NS		NS		5.8	NS	
	30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		0.77	NS	
	22-Apr-15	NS		0.57		NS		NS		NS		NS		0.85		NS		0.39/0.40		0.87		NS	0.88	
	21-Jul-15	0.2	U	NS		0.8	U	NS		4	U	NS		0.2	U	NS		NS		1.4 <sup>o</sup>		2.7 <sup>o</sup>	NS	
	Styrene	8-Feb-08	0.09	U	NS		NS		NS		0.09	U	NS		NS		NS		0.3		3.15		NS	
		27-Mar-08	NS		0.1		NS		NS		NS		0.177		NS		NS		NS		0.206		0.404	
		25-Apr-08	NS		0.244		NS		NS		NS		NS		NS		NS		0.559		NS		0.351	
		29-May-08	NS		NS		NS		0.17		NS		NS		NS		NS		0.3		0.36		NS	
		27-Jun-08	0.732		NS		NS		NS		0.354		NS		NS		NS		NS		NS		0.598	0.59
		31-Jul-08	NS		0.276		NS		NS		NS		NS		NS		NS		NS		0.255		NS	0.17
28-Aug-08		NS		NS		1.22		NS		NS		NS		0.754		NS		NS		1.02		1.01	NS	
30-Sep-08		NS		NS		NS		2.1	U	NS		NS		NS		NS		2.1	U	NS		2.1	U	
27-Oct-08		2.1	U	NS		NS		NS		2.1	U	NS		NS		NS		NS		2.1		NS	U	
25-Nov-08		NS		2.1	U	NS		NS		NS		NS		NS		NS		NS		2.1		NS	U	
18-Dec-08		NS		NS		2.1	U	NS		NS		NS		NS		NS		NS		NS		2.1	U	
21-Jan-09		NS		NS		NS		2.1	U	NS		NS		NS		NS		NS		2.1		NS	U	
25-Feb-09		2.1	U	NS		NS		NS		2.1	U	NS		NS		NS		NS		2.1		NS	U	
26-Mar-09		NS		0.851	U	NS		NS		NS		NS		1.7	U	NS		NS		NS		0.292	0.361	
29-Apr-09		NS		NS		0.174		NS		NS		NS		NS		0.085	U	NS		0.098		NS	0.243	
22-Jul-09		0.426	U	NS		0.426	U	0.851	U	NS		0.426	U	NS		NS		NS		0.6		0.149	NS	
9-Oct-09		NS		0.085	U	NS		NS		0.098		NS		0.085	U	NS		17.8	U	0.153		NS	0.204	
15-Jan-10		0.106		NS		0.119		0.089		NS		0.098		NS		NS		NS		0.128		0.221	NS	
21-Apr-10		NS		0.085	U	NS		NS		0.426	U	NS		0.426	U	NS		0.426	U	0.481		NS	0.579	
16-Jul-10		0.57		NS		0.911		0.66		NS		0.643	U	NS		NS		NS		0.34		0.864	NS	
15-Oct-10		NS		0.698		NS		NS		1.12		NS		0.779		NS		0.919		0.877		NS	1.52	
26-Jan-11		0.851	U	0.162		NS		0.179		NS		0.426	U	NS		0.426	U	0.426	U	0.426		0.617	NS	
28-Feb-11		NS		NS		0.851	U	NS		NS		NS		NS		NS		NS		NS		NS	NS	
27-Apr-11		NS		0.311		NS		NS		0.302		NS		0.366		NS		0.4		0.753		NS	0.749	
26-Jul-11		0.724		NS		0.779		0.868		NS		0.788	U	NS		NS		NS		1.23		0.681	NS	
28-Oct-11		NS																						

Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds  
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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	NS	U	
	27-Mar-08	NS		0.137	U	NS		NS		NS		0.137	U	NS		NS		NS		0.137	U	0.137	U	
	25-Apr-08	NS		NS		0.137	U	NS		NS		NS		0.137	U	NS		0.137	U	NS		0.137	U	
	29-May-08	NS		NS		NS		0.14	U	NS		NS		NS		0.14	U	NS		0.14	U	NS	U	
	27-Jun-08	0.214	U	NS		NS		NS		0.137	U	NS		NS		NS		NS		0.137	U	0.137	U	
	31-Jul-08	NS		0.137	U	NS		NS		NS		NS		NS		NS		0.137	U	NS		0.137	U	
	28-Aug-08	NS		NS		0.137	U	NS		NS		NS		0.137	U	NS		0.137	U	NS		0.137	U	
	30-Sep-08	NS		NS		NS		0.14	U	NS		NS		NS		0.14	U	NS		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		0.14	U	
	25-Nov-08	NS		0.14	U	NS		NS		NS		0.14	U	NS		NS		0.14	U	NS		0.14	U	
	18-Dec-08	NS		NS		0.14	U	NS		NS		NS		0.14	U	NS		NS		0.14	U	0.14	U	
	21-Jan-09	NS		NS		NS		0.19		NS		NS		NS		0.14	U	0.14	U	NS		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		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		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	0.137	U	
	9-Oct-09	NS		0.137	U	NS		NS		0.137	U	NS		0.137	U	28.6	U	0.137	U	NS		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		0.137	U	
	16-Jul-10	0.137	U	NS		0.137	U	0.137	U	0.137	U	NS		1.04	U	NS		0.137	U	0.137	U	0.137	U	
	15-Oct-10	NS		0.137	U	NS		NS		0.137	U	NS		0.137	U	NS		0.137	U	NS		0.137	U	
	26-Jan-11	1.37	U	0.137	U	NS		0.137	U	NS		0.686	U	NS		0.686	U	0.686	U	0.686	U	NS	U	
	28-Feb-11	NS		NS		1.37	U	NS		NS		NS		NS		NS		NS		NS		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		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		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		1.2	U	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		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		0.25	U	
	1-Feb-13	0.25	U	NS		0.25	U	NS		0.25	U	NS		0.25	U	NS		NS		0.25	U	0.25	U	
	29-Apr-13	NS		0.62	U	NS		NS		0.25	U	NS		0.25	U	0.25	U	0.25	U	NS		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	NS		0.25	U	NS		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 <sup>L</sup>	U	NS		0.25 <sup>L</sup>	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		0.25	U	NS		NS		NS		NS		NS	U	
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		0.37	U	NS		NS		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		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		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		0.137	U	0.137	U
		25-Apr-08	NS		NS		0.137	U	NS		NS		NS		0.137	U	NS		0.137	U	NS		0.137	U
		29-May-08	NS		NS		NS		0.14	U	NS		NS		NS		0.14	U	NS		0.14	U	NS	U
27-Jun-08		0.214	U	NS		NS		NS		0.137	U	NS		NS		NS		NS		0.137	U	0.137	U	
31-Jul-08		NS		0.137	U	NS		NS		NS		NS		NS		NS		0.137	U	NS		0.137	U	
28-Aug-08		NS		NS		0.137	U	NS		NS		NS		0.137	U	NS		0.137	U	0.137	U	NS	U	
30-Sep-08		NS		NS		NS		0.14	U	NS		NS		NS		0.14	U	NS		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		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		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		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		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		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		0.137	U	
15-Jan-10		0.109	U	NS		0.137	U	NS		0.137	U	NS		0.109	U	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		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		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		1.37	U	NS		NS		NS		NS		NS		NS		NS		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		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		3.4	U	NS		NS		3.4	U	NS		3.4	U	3.4	U	3.4	U	NS		3.4	U	
23-Jan-12		0.69	U	NS		0.69	U	0.69	U	NS		0.69	U	NS		NS		0.69	U	0.69	U	NS	U	
13-Apr-12		NS		0.34	U	NS		NS		0.34	U	NS		0.34	U	0.34	U	0.34	U	NS		0.34	U	
2-Jul-12 (resample)		NS		NS		NS		NS		NS		NS		NS		NS		NS		1.7	U	NS	U	
23-Jun-12		0.69	U	NS		0.69	U	0.69	U	NS		0.69	U	NS		NS		0.69	U	0.69	U	NS	U	
1-Nov-12		NS		0.069	U	NS		NS		0.069	U	NS		0.069	U	0.069	U	0.069	U	NS		0.069	U	
1-Feb-13		0.069	U	NS		0.069	U	NS		0.069	U	NS		NS		NS		0.12	U	NS		NS	U	
29-Apr-13		NS		0.17	U	NS		NS		0.069	U	NS		0.069	U	0.69	U	0.069	U	NS</				

**Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds  
February 2008 - July 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																							
Tetrachloroethene*	8-Feb-08	0.35		NS		NS		NS		0.14	U	NS		NS		NS		0.53		5.05		NS	
	27-Mar-08	NS		0.888		NS		NS		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		NS	U	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		8.9		NS	
	18-Dec-08	NS		NS		3.4	U	NS		NS		NS		3.4	U	NS		NS		3.4	U	3.4	U
	21-Jan-09	NS		NS		NS		3.4	U	NS		NS		NS		3.4		3.4		NS		3.4	U
	25-Feb-09	3.4	U	NS		NS		NS		8.3		NS		NS		NS		3.4		3.7		NS	
	26-Mar-09	NS		1.28		NS		NS		NS		1.36	U	NS		NS		NS		7.11		2.08	
	29-Apr-09	NS		NS		0.271		NS		NS		NS		0.305		NS		0.237		NS		0.691	
	22-Jul-09	1.63		NS		1.63		NS		2.1		3.08		NS		NS		11.8		3.25		NS	
	9-Oct-09	NS		0.556		NS		NS		2.07		NS		0.678		28.3		U		1.17		1.46	
	15-Jan-10	1.31		NS		0.644		1.35		NS		0.691		NS		NS		0.447		0.501		NS	
	21-Apr-10	NS		7.2		NS		NS		31.4		NS		35.5		36.8		62.1		NS		36.1	
	16-Jul-10	12.4		NS		12.7		10.9		NS		10		NS		NS		15.4		19.2		NS	
	15-Oct-10	NS		21.9		NS		NS		37.6		NS		21.3		21.8		22.1		NS		31.6	
	26-Jan-11	1.36	U	0.691		NS		1.27		NS		0.678	U	NS		0.813		2.13		8.3		NS	
	28-Feb-11	NS		NS		1.36	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		1.44		NS		NS		7.22		NS		1.53		1.56		1.46		NS		1.98	
	26-Jul-11	3.34		NS		0.834		2.59		NS		9.29		NS		NS		0.976		6.78		NS	
	28-Oct-11	NS		3.4	U	NS		NS		8.5		NS		3.4	U	3.4		U		NS		3.4	U
	23-Jan-12	1		NS		0.68	U	1.7		NS		5.3		NS		NS		0.76		26		NS	
	13-Apr-12	NS		19		NS		NS		18		NS		12		18		NS		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		NS		8.9	U
	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-01	2.3		NS		3.3/4.9		2.1		NS		NS		NS		NS		0.97		4.0/5.9		NS	
	27-Aug-14	NS		NS		NS		NS		NS		2.4/3.5		NS		NS		NS		NS		NS	
	12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		0.34		NS		NS		NS	U
	22-Oct-14	NS		6.9		NS		NS		5.0		0.61		0.43		0.10		U		0.10		4.0	NS
	20-Jan-15	0.9		NS		0.20		0.37		NS		1.0		NS		NS		0.52		NS		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	
	21-Jul-15	0.34		NS		1	U	7	U	NS		3.2		NS		NS		0.44 <sup>o</sup>		4.0 <sup>o</sup>		NS	
Toluene	8-Feb-08	1.63		NS		NS		NS		1.8		NS		NS		NS		2.72		455		NS	
	27-Mar-08	NS		2.24		NS		NS		NS		1.45		NS		NS		NS		11.3		16.1	
	25-Apr-08	NS		NS		1.39		NS		NS		NS		1.34		NS		11.2		NS		21.8	
	29-May-08	NS		NS		NS		7.74		NS		NS		NS		11.6		21		13		NS	
	27-Jun-08	14.7		NS		NS		NS		2.33		NS		NS		NS		NS		10.6		22.2	
	31-Jul-08	NS		4.15		NS		NS		NS		NS		NS		NS		10.2		NS		6.11	
	28-Aug-08	NS		NS		6.48		NS		NS		NS		3.44		NS		10		11.2		NS	
	30-Sep-08	NS		NS		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		NS		1.9	U	NS		NS		4.8		4.9	
	21-Jan-09	NS		NS		NS		1.9	U	NS		NS		NS		1.9		U		NS		1.9	U
	25-Feb-09	7		NS		NS		NS		1.9	U	NS		NS		NS		NS		13.8		NS	
	26-Mar-09	NS		3.53		NS		NS		NS		3.92		NS		NS		NS		7.23		9.75	
	29-Apr-09	NS		NS		1.99		NS		NS		NS		0.651		NS		0.149		NS		4.56	
	22-Jul-09	38.7		NS		38.7		2.22		NS		4.71		NS		NS		80.1		5.32		NS	
	9-Oct-09	NS		3.53		NS		NS		3.06		NS		1.07		23.6		3.12		NS		3.67	
	15-Jan-10	12.8		NS		4.17		4.33		NS		5.81		NS		NS		4.81		4.85		NS	
	21-Apr-10	NS		0.9		NS		NS		2.97		NS		NS		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		1.68		NS	
	28-Oct-11	NS		1.9	U																		





Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds  
February 2008 - July 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 <sup>e</sup>	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		0.152		NS		NS		NS		NS		13.4		5.34	
	25-Apr-08	NS		NS		0.199		NS		NS		NS		1.35		NS		0.668		NS		3.39	
	29-May-08	NS		NS		NS		26.5		NS		NS		NS		0.15		0.37		13.6		NS	
	27-Jun-08	0.408		NS		NS		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		NS		0.8	U	NS		22.7	
	27-Oct-08	0.8	U	NS		NS		NS		117		NS		NS		NS		2.99		NS		NS	U
	25-Nov-08	NS		2.92		NS		NS		NS		1.89		NS		NS		0.54		NS	U	39.8	
	18-Dec-08	NS		NS		0.54	U	NS		NS		NS		0.54	U	NS		NS		NS	U	4.56	
	21-Jan-09	NS		NS		NS		19.6		NS		NS		NS		0.54	U	0.54		NS	U	NS	
	25-Feb-09	0.44		NS		NS		NS		99.5		NS		NS		NS		0.56		NS		10.7	
	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		NS		10.3	
	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		NS	U	18.5	
	21-Apr-10	NS		0.107	U	NS		NS		34		NS		0.94		0.537		0.891		NS		2.01	
	16-Jul-10	0.333		NS		0.333		8.14		NS		0.811	U	NS		NS		0.107		NS		27.8	
	15-Oct-10	NS		2.26		NS		129		NS		1.92		NS		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		NS		27.1	
	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		NS	U	1.56	
	26-Jul-11	1.18		NS		0.358	U	29.6		NS		10.5		NS		NS		0.247		NS		20.5	
	28-Oct-11	NS		2.7	U	NS		NS		110		NS		2.7	U	2.7	U	2.7		NS	U	2.7	U
	23-Jan-12	0.88		NS		0.54	U	6.8		NS		7.8		NS		NS		0.54		NS	U	44	
	13-Apr-12	NS		0.27	U	NS		NS		83		NS		1.5		0.27	U	0.27		NS	U	NS	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		32	
	23-Jun-12	1.1		NS		0.54	U	92		NS		0.75		NS		NS		0.54		NS	U	35	
	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		NS		20	
	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		NS	U	NS	
	18-Oct-13	NS		3.3		NS		NS		76		NS		2.2		0.48		0.66		NS		15	
	9-Jan-14	0.49		NS		0.11	U	36		NS		1.8		NS		NS		0.13		NS		43	
	24-Apr-14	NS		1.0		NS		NS		58		NS		0.81		0.13		1.0		NS		31	
	1-Aug-14	2.70		NS		0.23		15/19		NS		NS		NS		NS		1.2		NS		16/18	
	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		NS		18	
	20-Jan-15	0.52		NS		0.054	U	24		NS		1.3		NS		NS		0.081		NS	U	0.054	
	30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		15	
	22-Apr-15	NS		0.96		NS		NS		35		NS		0.80		NS		0.078	U	NS		NS	
	21-Jul-15	0.2	U	NS		1	U	15		NS		3.1		NS		NS		0.99 <sup>d</sup>		NS		24 <sup>d</sup>	
	8-Feb-08	1.22		NS		NS		NS		1.22		NS		NS		NS		1.06		NS		15.9	
	27-Mar-08	NS		1.27		NS		NS		NS		1.18		NS		NS		NS		NS		12	
	25-Apr-08	NS		NS		1.18		NS		NS		NS		5.2		NS		1.66		NS		NS	
	29-May-08	NS		NS		NS		33.5		NS		NS		NS		0.98		1.05		NS		10.6	
	27-Jun-08	1.29		NS		NS		NS		75.2		NS		NS		NS		NS		NS		8.85	
	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		NS		15.6	
	30-Sep-08	NS		NS		NS		53.8		NS		NS		NS		2.8	U	NS		NS		14.5	
	27-Oct-08	2.8	U	NS		NS		NS		44.4		NS		NS		NS		6.1		NS		2.8	
	25-Nov-08	NS		10		NS		NS		NS		12.2		NS		NS		2.8		NS	U	34	
	18-Dec-08	NS		NS		2.8	U	NS		NS		NS		4.9		NS		NS		NS		4.8	
	21-Jan-09	NS		NS		NS		26.9		NS		NS		NS		7.2		2.8		NS	U	NS	
	25-Feb-09	2.8	U	NS		NS		NS		14.8		NS		NS		NS		NS		NS	U	7.1	
	26-Mar-09	NS		1.43		NS		NS		NS		2.81	U	NS		NS		NS		NS		19.6	
	29-Apr-09	NS		NS		1.45		NS		NS		NS		4.23		NS		1.27		NS		NS	
	22-Jul-09	1.46		NS		1.46		19.9		NS		3.42		NS		NS		1.28		NS		6.46	
	9-Oct-09	NS		0.156		NS		NS		20		NS		11		58.6	U	1.65		NS		NS	
	15-Jan-10	1.39		NS		2.1		16.6		NS		1.78		NS		NS		1.34		NS		15.4	
	21-Apr-10	NS		0.466		NS		NS		10.1		NS		4.83		1.4	U	4.95		NS		NS	
	16-Jul-10	2.6		NS		1.84		16.4		NS		2.12	U	NS		NS		2.23		NS		NS	
	15-Oct-10	NS		9.63		NS		NS		72.2		NS		13.7		5.65		9.85		NS		NS	
	26-Jan-11	2.81	U	1.16		NS		13.8		NS		1.4	U	NS		1.4	U	1.71		NS		26	
	28-Feb-11	NS		NS		2.81	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		1.12		NS		NS		NS		NS		3.24		1.27		1.17		NS		NS	
	26-Jul-11	4.27		NS		1.31		41.2	U	NS		15.3		NS		NS		1.62		NS		10	
	28-Oct-11	NS		2.8	U	NS		NS		30		NS		5.1		NS		2.8	U	NS			

**Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds  
February 2008 - July 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		NS		0.152		NS		NS		NS		0.958		0.681	
	25-Apr-08	NS		NS		1.72		NS		NS		NS		0.644		NS		0.517		NS		0.338	
	29-May-08	NS		NS		NS		0.6		NS		NS		NS		1		NS		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		NS		NS	U	NS	
	25-Nov-08	NS		2.5	U	NS		NS		NS		2.5	U	NS		NS		NS		6.4		5.2	NS
	18-Dec-08	NS		NS		2.5	U	NS		NS		NS		2.5	U	NS		NS		NS		2.5	U
	21-Jan-09	NS		NS		NS	U	2.5	U	NS		NS		NS		NS		2.5	U	NS	U	NS	U
	25-Feb-09	17.5		NS		NS		NS		4		NS		NS		NS		6.2		2.9		NS	
	26-Mar-09	NS		0.491	U	NS		NS		NS		0.982	U	NS		NS		NS		1.09		1.55	
	29-Apr-09	NS		NS		0.265		NS		NS		NS		0.378		NS		0.707		NS		0.801	
	22-Jul-09	3.49		NS		20	U	0.982	U	NS		0.737		NS		NS		56.4		0.86		NS	
	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		NS		0.29		0.314		NS		NS		1.06		NS		1.17	NS
	21-Apr-10	NS		0.211		NS		NS		0.933		NS		1.42		1.13		0.653		NS		0.702	
	16-Jul-10	8.3		NS		8.23		8.09		NS		6.27		NS		NS		4.28		5.05		NS	
	15-Oct-10	NS		1.29		NS		NS		1.61		NS		1.1		1.38		1.86		NS		2.35	
	26-Jan-11	1.23		1.4		NS		1.6		NS		0.491	U	NS		1.35		6.93		10.4		NS	
	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		1.06		2.06		NS		1.09	
	26-Jul-11	1.29		NS		2.67		0.61		NS		0.541		NS		NS		2.48		0.541		NS	
	28-Oct-11	NS		2.5	U	NS		NS		2.5	U	NS		2.5	U	NS		3.7	U	NS		3.1	
	23-Jan-12	3		NS		0.76		0.49	U	NS		0.71		NS		NS		2.7		2.8		NS	
	13-Apr-12	NS		0.49	U	NS		NS		0.49	U	NS		0.49	U	NS		1.1		3.9		NS	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		2.5	U	NS	
	23-Jun-12	4.1		NS		1.3		1.2		NS		1.1		NS		NS		2.1		1.1		NS	
	1-Nov-12	NS		1.7		NS		NS		2.5		NS		3.1		3		3.2		NS		3.3	
	1-Feb-13	1.2		NS		0.23		0.21		NS		0.3		NS		NS		1		0.86		NS	
	29-Apr-13	NS		0.54		NS		NS		0.74		NS		0.66		0.83		1		NS		0.84	
	9-Jul-13	4.2		NS		1.6		1.8		NS		1.8		NS		NS		2		2.0		NS	
	18-Oct-13	NS		4.8		NS		NS		4.3		NS		5.6		6.4		5.0		NS		5.7	
	9-Jan-14	2.7		NS		2.7		3.8		NS		3.8		NS		NS		12.0		13.0		NS	
	24-Apr-14	NS		0.098	U	NS		NS		0.098	U	NS		0.13		0.098	U	0.5		0.1		2.6	
	1-Aug-14	4.1		NS		6.5/5.1		3.0/3.6		NS		NS		NS		NS		2.6		6.3/4.3		NS	
	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		1.2		NS		NS	U	NS	
	22-Oct-14	NS		0.37		NS		NS		0.28		0.6		0.59		0.50		1.0		1.2		NS	
	20-Jan-15	0.19		NS		0.098	U	NS		0.098	U	NS		0.098	U	NS		0.3		0.4		NS	
30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		0.55		NS		
22-Apr-15	NS		0.27		NS		NS		0.17		NS		0.24		0.33/0.37		0.33		NS		0.43		
21-Jul-15	0.44		NS		1.1		5	U	NS		0.89		NS		NS		0.47 <sup>o</sup>		0.66 <sup>o</sup>		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		0.15		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		0.215		NS		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		2.5	U	NS		2.5	U
	25-Nov-08	NS		2.5	U	NS		NS		NS		2.5	U	NS		NS		NS		2.5	U	NS	U
	18-Dec-08	NS		NS		2.5	U	NS		NS		NS		2.5	U	NS		NS		NS	U	2.5	U
	21-Jan-09	NS		NS		NS		2.5	U	NS		NS		NS		2.5	U	NS		NS	U	2.5	U
	25-Feb-09	9.1		NS		NS		NS		2.5	U	NS		NS		NS		2.5	U	NS		NS	
	26-Mar-09	NS		0.491	U	NS		NS		NS		0.982	U	NS		NS		NS		0.337		0.425	
	29-Apr-09	NS		NS		0.147		NS		NS		NS		0.128		NS		0.211		NS		0.241	
	22-Jul-09	3		NS		20	U	0.982	U	NS		0.491	U	NS		NS		22.7		0.275		NS	
	9-Oct-09	NS		0.216		NS		NS		0.241		NS		0.187		20.5	U	0.388		NS		0.226	
	15-Jan-10	2.15		NS		0.118		0.098	U	NS		0.108		NS		NS		0.29		0.334		NS	
	21-Apr-10	NS		0.098	U	NS		NS		0.491	U	NS		0.491	U	0.491	U	0.177		NS		0.206	
	16-Jul-10	2.76		NS		1.88		1.81		NS		1.67		NS		NS		1.08		1.25		NS	
	15-Oct-10	NS		0.418		NS		NS		0.383		NS		0.275		0.324		0.545		NS		0.54	
	26-Jan-11	0.982	U	0.437		NS		0.472		NS		0.491	U	NS		0.491	U	1.99		2.87		NS	
	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		0.329		0.599		NS		0.354	
	26-Jul-11	0.688		NS		0.885		0.182		NS		0.492	U	NS		NS		0.664		0.492	U	NS	
	28-Oct-11	NS		2.5	U	NS		2.5		NS	U	NS		2.5	U	NS	U	2.5	U	NS		2.5	U
	23-Jan-12	0.99		NS		0.49	U	0.49	U	NS		0.49	U	NS		NS		0.71		0.83		NS	
	13-Apr-12	NS		0.49	U	NS		NS		0.49	U	NS		0.49	U	NS	U	1.1		NS		0.49	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
	23-Jun-12	1.6		NS		0.49	U	0.49	U	NS		0.49	U	NS		NS		0.49		0.49	U	NS	
	1-Nov-12	NS		0.25		NS		NS		0.39		NS		0.53		0.5		0.56		NS		0.63	
	1-Feb-13	0.42		NS		0.098	U	0.098	U	NS		0.098	U	NS		NS		0.3		0.24		NS	
	29-Apr-13	NS		NS		NS		NS		0.22		NS		0.18		0.22		0.3		NS		0.27	
	9-Jul-13	1.5		NS		0.39		0.37		NS		0.38		NS		NS		0.43		0.44		NS	
	18-Oct-13	NS		0.53		NS		NS		0.52		NS		0.75		0.99		0.44		NS		0.53	
	9-Jan-14	0.77		NS		0.69		0.96		NS		0.98		NS		NS		2.9		3.1		NS	
	24-Apr-14	NS		0.098	U	NS		NS		0.098	U	NS		0.098	U	0.098	U	0.14		0.098	U	0.50	

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

Volatile Organic Compounds via TO-15	Sample Date	MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3	
		Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Vinyl chloride*	8-Feb-08	0.05	U	NS		NS		NS		0.05	U	NS		NS		NS		0.05	U	0.05	U	NS	
	27-Mar-08	NS		0.051	U	NS		NS		NS		0.051	U	NS		NS		NS		0.051	U	0.051	U
	25-Apr-08	NS		NS		0.051	U	NS		NS		NS		0.75		NS		0.051	U	NS		0.051	U
	29-May-08	NS		NS		NS		0.05	U	NS		NS		NS		0.05	U	NS		0.05	U	NS	
	27-Jun-08	0.08	U	NS		NS		NS		0.051	U	NS		NS		NS		NS		0.051	U	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		NS		0.051	U	NS	
	30-Sep-08	NS		NS		NS		0.1	U	NS		NS		NS		0.1	U	NS		0.1	U	0.1	U
	27-Oct-08	0.1	U	NS		NS		NS		0.1	U	NS		NS		NS		NS		0.1	U	0.1	U
	25-Nov-08	NS		0.1	U	NS		NS		NS		0.1	U	NS		NS		0.1	U	NS		0.1	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	NS		0.1	U	NS	
	25-Feb-09	0.1	U	NS		NS		NS		0.1	U	NS		NS		NS		0.1	U	NS		0.1	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		NS		NS		NS	
	22-Jul-09	0.255	U	NS		0.255	U	0.511	U	NS		0.255	U	NS		NS		NS		0.051	U	0.051	U
	9-Oct-09	NS		1.72		NS		NS		0.051	U	NS		0.102		10.7	U	NS		0.051	U	NS	
	15-Jan-10	0.051	U	NS		0.061		0.051	U	NS		0.051	U	NS		NS		NS		0.051	U	0.051	U
	21-Apr-10	NS		0.051	U	NS		NS		0.255	U	NS		0.256	U	0.255	U	0.051	U	NS		NS	
	16-Jul-10	0.051	U	NS		1.98		0.051	U	NS		0.386	U	NS		NS		NS		0.051	U	0.051	U
	15-Oct-10	NS		0.051	U	NS		NS		0.051	U	NS		0.051	U	NS		NS		0.051	U	NS	
	26-Jan-11	0.511	U	0.051	U	NS		0.051	U	NS		0.255	U	NS		0.255	U	0.255	U	0.255	U	0.255	U
	28-Feb-11	NS		NS		0.511	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.051	U	NS		NS		0.051	U	NS		0.051	U	0.051	U	0.051	U	NS		NS	
	26-Jul-11	0.17	U	NS		0.17	U	0.051	U	NS		0.256	U	NS		NS		NS		0.051	U	0.256	U
	28-Oct-11	NS		1.3	U	NS		NS		1.3	U	NS		1.3	U	1.3	U	1.3	U	NS		NS	
	23-Jan-12	0.26	U	NS		0.26	U	0.26	U	NS		0.26	U	NS		NS		NS		0.26	U	NS	
	13-Apr-12	NS		0.13	U	NS		NS		0.13	U	NS		0.13	U	0.13	U	0.13	U	NS		NS	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		0.64	U
	23-Jun-12	0.26	U	NS		0.26	U	NS		0.26	U	NS		NS		NS		NS		NS		0.26	U
	1-Nov-12	NS		0.026	U	NS		NS		0.026	U	NS		0.026	U	0.026	U	0.026	U	NS		NS	
	1-Feb-13	0.065	U	NS		0.026	U	NS		0.026	U	NS		NS		NS		NS		0.026	U	NS	
	29-Apr-13	NS		0.41		NS		NS		0.045		NS		0.026	U	0.026	U	0.026	U	NS		NS	
	9-Jul-13	0.038	U	NS		0.026	U	0.085		NS		0.026	U	NS		NS		NS		0.026	U	NS	
	18-Oct-13	NS		0.051	U	NS		NS		0.074		NS		0.051	U	NS		0.063		0.051	U	NS	
	9-Jan-14	0.092		NS		0.051	U	0.051	U	NS		0.051	U	NS		NS		NS		0.051	U	NS	
	24-Apr-14	NS		0.026	U	NS		NS		0.026	U	NS		0.026	U	0.10		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		NS		0.051	U	NS	
27-Aug-14	NS		NS		NS		NS		NS		0.026	U	NS		NS		NS		NS		NS		
12-Sept-14 (resample)	NS		NS		NS		NS		NS		NS		NS		0.038	U	NS		NS		NS		
22-Oct-14	NS		0.038	U	NS		NS		0.038	U	0.038	U	0.24		0.038	U	0.038	U	NS		0.051	U	
20-Jan-15	0.093 <sup>v</sup>		NS		0.14 <sup>v</sup>		0.026	U	NS		0.072 <sup>v</sup>		NS		NS		NS		0.038 <sup>v</sup>	U	NS		
30-Mar-15 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		0.029	U	
22-Apr-15	NS		0.069 <sup>v</sup>		NS		NS		0.069 <sup>v</sup>		NS		0.026	U	0.037	U	0.026	U	NS		NS		
21-Jul-15	0.090 <sup>j</sup>		NS		0.5	U	3	U	NS		0.097 <sup>j</sup>		NS		NS		NS		0.096 <sup>l-o</sup>		0.100 <sup>o</sup>	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		NS		2.54		1.81	
	29-May-08	NS		NS		NS		5		NS		NS		NS		7.58		10.1		3.34		NS	
	27-Jun-08	12.6		NS		NS		NS		1.5		NS		NS		NS		NS		1.91		2.33	
	31-Jul-08	NS		2.4		NS		NS		NS		NS		NS		NS		2.08		NS		1.55	
	28-Aug-08	NS		NS		2.33		NS		NS		NS		1.44		NS		2.13		NS		1.94	
	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		NS		4.3	U	NS		NS		8.5		NS		NS	
	18-Dec-08	NS		NS		4.3	U	NS		NS		NS		4.3	U	NS		NS		4.3	U	4.3	U
	21-Jan-09	NS		NS		4.3	U	NS		NS		NS		4.3	U	NS		4.3	U	NS		4.3	U
	25-Feb-09	37.6		NS		NS		NS		4.3	U	NS		NS		NS		8		NS		9.3	U
	26-Mar-09	NS		1.35		NS		NS		NS		1.74	U	NS		NS		NS		NS		2.59	3.56
	29-Apr-09	NS		NS		0.468		NS		NS		NS		0.516		NS		0.933		NS		NS	
	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		NS		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		3.17		11.5		13.6		NS	
	28-Feb-11	NS		NS		1.74	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.694		NS		NS		0.707		NS		0.889		1.15		1.09		NS		NS	
	26-Jul-11	9.99		NS		3.96		1.02		NS													

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

Volatile Organic Compounds via TO-15	Sample Date	MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3	
		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual	
p-Xylene	8-Feb-08	0.2		NS		NS		NS		0.23		NS		NS		NS		0.48		7.73		NS	
	27-Mar-08	NS		0.273		NS		NS		NS		0.142		NS		NS		NS		0.844		0.478	
	25-Apr-08	NS		NS		0.37		NS		NS		NS		0.406		NS		0.735		NS		0.62	
	29-May-08	NS		NS		NS		1.48		NS		NS		NS		2.26		2.84		1.02		NS	
	27-Jun-08	4.12		NS		NS		NS		0.55		NS		NS		NS		NS		0.672		0.794	
	31-Jul-08	NS		0.835		NS		NS		NS		NS		NS		NS		0.748		NS		0.564	
	28-Aug-08	NS		NS		0.804		NS		NS		NS		0.511		NS		0.797		0.725		NS	
	30-Sep-08	NS		NS		NS		2.2	U	NS		NS		NS		2.2	U	NS		2.2	U	2.2	U
	27-Oct-08	9.8		NS		NS		NS		2.2	U	NS		NS		NS		2.2	U	NS		4	
	25-Nov-08	NS		2.2	U	NS		NS		NS		2.2	U	NS		NS		3.1	U	2.2	U	NS	
	18-Dec-08	NS		NS		2.2	U	NS		NS		2.2	U	NS		2.2	U	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		9.6		NS		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	U	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	
	21-Jul-15	0.48		NS		0.59 <sup>†</sup>		4	U	NS		0.53		NS		NS		0.54 <sup>°</sup>		0.73 <sup>°</sup>		NS	

Notes:

All data presented in micrograms per cubic meter (ug/m3).

Two values displayed with a slash indicates dilutions resulting in two different concentrations. 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.

<sup>\*</sup> = Site Specific Compound of Concern per ATSDR Health Consultation, December 4, 2006.

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

<sup>L</sup>: Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

<sup>V</sup>: Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

<sup>E</sup>: 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: 21 July 2015**

Volatile Organic Compounds	ROOFTOP FAN 1				ROOFTOP FAN 2				ROOFTOP FAN 3				CUMULATIVE EMISSIONS (3 fans combined)		
	Measured Flow Speed (fpm): 3965		Measured Flow Rate (cfm): 194.6		Measured Flow Speed (fpm): 2248		Measured Flow Rate (cfm): 110.3		Measured Flow Speed (fpm): 3442		Measured Flow Rate (cfm): 169.0		Hourly Emission (lbs/hour)	Daily Emission (lbs/day)	Yearly Emission (lbs/year)
	Concentration (ug/m <sup>3</sup> )	Hourly Emission (lbs/hour)	Daily Emission (lbs/day)	Yearly Emission (lbs/year)	Concentration (ug/m <sup>3</sup> )	Hourly Emission (lbs/hour)	Daily Emission (lbs/day)	Yearly Emission (lbs/year)	Concentration (ug/m <sup>3</sup> )	Hourly Emission (lbs/hour)	Daily Emission (lbs/day)	Yearly Emission (lbs/year)			
Acetone	14.0	1.02E-05	2.44E-04	8.92E-02	11.0	4.54E-06	1.09E-04	3.97E-02	6.0	3.79E-06	9.10E-05	3.32E-02	1.85E-05	4.44E-04	1.62E-01
Acrylonitrile	0.10 U	7.28E-08	1.75E-06	6.37E-04	0.1 U	4.13E-08	9.90E-07	3.61E-04	0.1 U	6.32E-08	1.52E-06	5.53E-04	1.77E-07	4.25E-06	1.55E-03
Benzene	0.45	3.27E-07	7.86E-06	2.87E-03	0.48	1.98E-07	4.75E-06	1.73E-03	0.23	1.45E-07	3.49E-06	1.27E-03	6.71E-07	1.61E-05	5.88E-03
Bromodichloromethane	0.40 U	2.91E-07	6.98E-06	2.55E-03	0.40 U	1.65E-07	3.96E-06	1.45E-03	0.40 U	2.53E-07	6.06E-06	2.21E-03	7.09E-07	1.70E-05	6.21E-03
Bromoform	0.60 U	4.37E-07	1.05E-05	3.82E-03	0.6 U	2.48E-07	5.94E-06	2.17E-03	0.6 U	3.79E-07	9.10E-06	3.32E-03	1.06E-06	2.55E-05	9.31E-03
2-Butanone	1.40	1.02E-06	2.44E-05	8.92E-03	0.99	4.08E-07	9.80E-06	3.58E-03	0.35	2.21E-07	5.31E-06	1.94E-03	1.65E-06	3.96E-05	1.44E-02
Carbon Tetrachloride	0.30 U	2.18E-07	5.24E-06	1.91E-03	0.3 U	1.24E-07	2.97E-06	1.08E-03	0.4 U	2.53E-07	6.06E-06	2.21E-03	5.95E-07	1.43E-05	5.21E-03
Chlorobenzene	0.20 U	1.46E-07	3.49E-06	1.27E-03	0.2 U	8.25E-08	1.98E-06	7.23E-04	0.3 U	1.89E-07	4.55E-06	1.66E-03	4.18E-07	1.00E-05	3.66E-03
Chloroethane	0.100 U	7.28E-08	1.75E-06	6.37E-04	0.10 U	4.13E-08	9.90E-07	3.61E-04	0.1 U	6.32E-08	1.52E-06	5.53E-04	1.77E-07	4.25E-06	1.55E-03
Chloroform	0.30 U	2.18E-07	5.24E-06	1.91E-03	0.63	2.60E-07	6.24E-06	2.28E-03	0.55	3.47E-07	8.34E-06	3.04E-03	8.26E-07	1.98E-05	7.23E-03
Chloromethane	7.30	5.31E-06	1.27E-04	4.65E-02	7.1	2.93E-06	7.03E-05	2.57E-02	7.50	4.74E-06	1.14E-04	4.15E-02	1.30E-05	3.11E-04	1.14E-01
Dibromochloromethane	0.50 U	3.64E-07	8.73E-06	3.19E-03	0.5 U	2.06E-07	4.95E-06	1.81E-03	0.5 U	3.16E-07	7.58E-06	2.77E-03	8.86E-07	2.13E-05	7.76E-03
1,2-Dibromoethane	0.40 U	2.91E-07	6.98E-06	2.55E-03	0.4 U	1.65E-07	3.96E-06	1.45E-03	0.4 U	2.53E-07	6.06E-06	2.21E-03	7.09E-07	1.70E-05	6.21E-03
1,2-Dichlorobenzene	0.30 U	2.18E-07	5.24E-06	1.91E-03	0.3 U	1.24E-07	2.97E-06	1.08E-03	0.30 U	1.89E-07	4.55E-06	1.66E-03	5.32E-07	1.28E-05	4.66E-03
1,3-Dichlorobenzene	0.30 U	2.18E-07	5.24E-06	1.91E-03	0.3 U	1.24E-07	2.97E-06	1.08E-03	0.47	2.97E-07	7.12E-06	2.60E-03	6.39E-07	1.53E-05	5.60E-03
1,4-Dichlorobenzene	0.30 U	2.18E-07	5.24E-06	1.91E-03	0.3 U	1.24E-07	2.97E-06	1.08E-03	0.44	2.78E-07	6.67E-06	2.43E-03	6.20E-07	1.49E-05	5.43E-03
Dichlorodifluoromethane	0.94	6.84E-07	1.64E-05	5.99E-03	0.87	3.59E-07	8.61E-06	3.14E-03	0.85	5.37E-07	1.29E-05	4.70E-03	1.58E-06	3.79E-05	1.38E-02
1,1-Dichloroethane	0.200 U	1.46E-07	3.49E-06	1.27E-03	0.2 U	8.25E-08	1.98E-06	7.23E-04	0.200 U	1.26E-07	3.03E-06	1.11E-03	3.54E-07	8.50E-06	3.10E-03
1,2-Dichloroethane	0.200 U	1.46E-07	3.49E-06	1.27E-03	0.2 U	8.25E-08	1.98E-06	7.23E-04	0.200 U	1.26E-07	3.03E-06	1.11E-03	3.54E-07	8.50E-06	3.10E-03
1,1-Dichloroethene	0.200 U	1.46E-07	3.49E-06	1.27E-03	0.2 U	8.25E-08	1.98E-06	7.23E-04	0.200 U	1.26E-07	3.03E-06	1.11E-03	3.54E-07	8.50E-06	3.10E-03
cis-1,2-Dichloroethene	0.200 U	1.46E-07	3.49E-06	1.27E-03	0.2 U	8.25E-08	1.98E-06	7.23E-04	0.20 U	1.26E-07	3.03E-06	1.11E-03	3.54E-07	8.50E-06	3.10E-03
trans-1,2-Dichloroethene	0.200 U	1.46E-07	3.49E-06	1.27E-03	0.2 U	8.25E-08	1.98E-06	7.23E-04	0.200 U	1.26E-07	3.03E-06	1.11E-03	3.54E-07	8.50E-06	3.10E-03
1,2-Dichloropropane	0.280	2.04E-07	4.89E-06	1.78E-03	0.2 U	8.25E-08	1.98E-06	7.23E-04	0.3 U	1.89E-07	4.55E-06	1.66E-03	4.76E-07	1.14E-05	4.17E-03
cis-1,3-Dichloropropene	0.200 U	1.46E-07	3.49E-06	1.27E-03	0.2 U	8.25E-08	1.98E-06	7.23E-04	0.3 U	1.89E-07	4.55E-06	1.66E-03	4.18E-07	1.00E-05	3.66E-03
trans-1,3-Dichloropropene	0.200 U	1.46E-07	3.49E-06	1.27E-03	0.2 U	8.25E-08	1.98E-06	7.23E-04	0.3 U	1.89E-07	4.55E-06	1.66E-03	4.18E-07	1.00E-05	3.66E-03
Ethylbenzene	0.73	5.31E-07	1.27E-05	4.65E-03	0.56	2.31E-07	5.54E-06	2.02E-03	0.39	2.46E-07	5.91E-06	2.16E-03	1.01E-06	2.42E-05	8.83E-03
Isopropylbenzene	0.30 U	2.18E-07	5.24E-06	1.91E-03	0.3 U	1.24E-07	2.97E-06	1.08E-03	0.3 U	1.89E-07	4.55E-06	1.66E-03	5.32E-07	1.28E-05	4.66E-03
p-Isopropyltoluene	0.30 U	2.18E-07	5.24E-06	1.91E-03	0.3 U	1.24E-07	2.97E-06	1.08E-03	0.3 U	1.89E-07	4.55E-06	1.66E-03	5.32E-07	1.28E-05	4.66E-03
Methyl tert butyl ether	0.20 U	1.46E-07	3.49E-06	1.27E-03	0.64	2.64E-07	6.34E-06	2.31E-03	0.2 U	1.26E-07	3.03E-06	1.11E-03	5.36E-07	1.29E-05	4.69E-03
Methylene chloride	1.10	8.00E-07	1.92E-05	7.01E-03	46.00	1.90E-05	4.55E-04	1.66E-01	1.4	8.84E-07	2.12E-05	7.75E-03	2.07E-05	4.96E-04	1.81E-01
4-Methyl-2-pentanone	0.370	2.69E-07	6.46E-06	2.36E-03	0.2 U	8.25E-08	1.98E-06	7.23E-04	0.20 U	1.26E-07	3.03E-06	1.11E-03	4.78E-07	1.15E-05	4.19E-03
Styrene	0.40	2.91E-07	6.98E-06	2.55E-03	0.28	1.16E-07	2.77E-06	1.01E-03	0.2 U	1.26E-07	3.03E-06	1.11E-03	5.33E-07	1.28E-05	4.67E-03
1,1,2,2-Tetrachloroethane	0.40 U	2.91E-07	6.98E-06	2.55E-03	0.4 U	1.65E-07	3.96E-06	1.45E-03	0.4 U	2.53E-07	6.06E-06	2.21E-03	7.09E-07	1.70E-05	6.21E-03
Tetrachloroethene	14	1.02E-05	2.44E-04	8.92E-02	5.5	2.27E-06	5.45E-05	1.99E-02	56	3.54E-05	8.49E-04	3.10E-01	4.78E-05	1.15E-03	4.19E-01
Toluene	3.20	2.33E-06	5.59E-05	2.04E-02	3.00	1.24E-06	2.97E-05	1.08E-02	1.5	9.47E-07	2.27E-05	8.30E-03	4.51E-06	1.08E-04	3.95E-02
1,1,1-Trichloroethane	0.81	5.89E-07	1.41E-05	5.16E-03	0.34	1.40E-07	3.37E-06	1.23E-03	0.45	2.84E-07	6.82E-06	2.49E-03	1.01E-06	2.43E-05	8.88E-03
1,1,2-Trichloroethane	0.300 U	2.18E-07	5.24E-06	1.91E-03	0.3 U	1.24E-07	2.97E-06	1.08E-03	0.3 U	1.89E-07	4.55E-06	1.66E-03	5.32E-07	1.28E-05	4.66E-03
Trichloroethylene	46	3.35E-05	8.03E-04	2.93E-01	40	1.65E-05	3.96E-04	1.45E-01	27	1.71E-05	4.09E-04	1.49E-01	6.70E-05	1.61E-03	5.87E-01
Trichlorofluoromethane	19	1.38E-05	3.32E-04	1.21E-01	35	1.44E-05	3.47E-04	1.26E-01	5.8	3.66E-06	8.79E-05	3.21E-02	3.19E-05	7.66E-04	2.80E-01
1,2,4-Trimethylbenzene	0.67	4.87E-07	1.17E-05	4.27E-03	0.54	2.23E-07	5.35E-06	1.95E-03	0.7	4.42E-07	1.06E-05	3.87E-03	1.15E-06	2.77E-05	1.01E-02
1,3,5-Trimethylbenzene	0.30 U	2.18E-07	5.24E-06	1.91E-03	0.3 U	1.24E-07	2.97E-06	1.08E-03	0.3 U	1.89E-07	4.55E-06	1.66E-03	5.32E-07	1.28E-05	4.66E-03
Vinyl chloride	0.100 U	7.28E-08	1.75E-06	6.37E-04	0.1 U	4.13E-08	9.90E-07	3.61E-04	0.1 U	6.32E-08	1.52E-06	5.53E-04	1.77E-07	4.25E-06	1.55E-03
p/m-Xylene	2.10	1.53E-06	3.67E-05	1.34E-02	1.7	7.01E-07	1.68E-05	6.14E-03	1.20	7.58E-07	1.82E-05	6.64E-03	2.99E-06	7.17E-05	2.62E-02
o-Xylene	0.68	4.95E-07	1.19E-05	4.33E-03	0.47	1.94E-07	4.65E-06	1.70E-03	0.32	2.02E-07	4.85E-06	1.77E-03	8.91E-07	2.14E-05	7.80E-03
Total VOCs	1.21E+02	8.77E-05	2.10E-03	7.68E-01	1.62E+02	6.69E-05	1.60E-03	5.86E-01	1.18E+02	7.48E-05	1.80E-03	4.81E-01	2.29E-04	5.51E-03	1.65E+00
<b>RIDEM Air Pollution Control Permit Applicability Thresholds (lbs) *</b>	<b>10</b>	<b>100</b>	<b>20,000 (Individual VOCs)</b> <b>50,000 (Total VOCs)</b>	<b>Not Applicable</b>	<b>10</b>	<b>100</b>	<b>20,000 (Individual VOCs)</b> <b>50,000 (Total VOCs)</b>	<b>Not Applicable</b>	<b>10</b>	<b>100</b>	<b>20,000 (Individual VOCs)</b> <b>50,000 (Total VOCs)</b>	<b>10</b>	<b>100</b>	<b>20,000 (Individual VOCs)</b> <b>50,000 (Total VOCs)</b>	

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

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

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

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

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

# APPENDIX E

## Laboratory Analytical Reports

September 4, 2015

Ms. Cindy Swanson  
EA Engineering-RI  
2374 Post Road, Suite 102  
Warwick, RI 02886

## Certificate of Analysis

Revised Report - 9/4/2015 6:11:18 PM - See workorder comment section for explanation

Project Name:	<b>2015-Alvarez High School -TO-15</b>	Workorder:	<b>2085774</b>
Purchase Order:	<b>14232-1.0</b>	Workorder ID:	<b>Alvarez-1506603</b>

Dear Ms. Swanson:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, July 28, 2015.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Susan J Scherer (Project Coordinator) at (717) 944-5541.

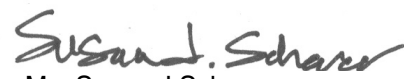
Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at [www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads](http://www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads).

This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

CC: Mr. Frank Postma , Mr. Ron Mack

*This page is included as part of the Analytical Report and must be retained as a permanent record thereof.*

  
Ms. Susan J Scherer  
Project Coordinator

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### SAMPLE SUMMARY

Workorder: 2085774 Alvarez-1506603

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2085774001	Gymnasium	Air	7/21/2015 10:49	7/28/2015 14:17	Ms. Cindy
2085774002	Cafeteria	Air	7/21/2015 10:16	7/28/2015 14:17	Ms. Cindy
2085774003	Kitchen Storage	Air	7/21/2015 09:55	7/28/2015 14:17	Ms. Cindy
2085774004	Elevator Hallway	Air	7/21/2015 10:55	7/28/2015 14:17	Ms. Cindy
2085774005	Room 154	Air	7/21/2015 11:07	7/28/2015 14:17	Ms. Cindy
2085774006	Room 152	Air	7/21/2015 11:01	7/28/2015 14:17	Ms. Cindy
2085774007	Room 118	Air	7/21/2015 11:53	7/28/2015 14:17	Ms. Cindy
2085774008	Room 110	Air	7/21/2015 11:50	7/28/2015 14:17	Ms. Cindy
2085774009	MP-1	Air	7/21/2015 12:37	7/28/2015 14:17	Ms. Cindy
2085774010	MP-3	Air	7/21/2015 12:31	7/28/2015 14:17	Ms. Cindy
2085774011	MP-4	Air	7/21/2015 12:45	7/28/2015 14:17	Ms. Cindy
2085774012	MP-6	Air	7/21/2015 12:45	7/28/2015 14:17	Ms. Cindy
2085774013	IMP-1	Air	7/21/2015 10:49	7/28/2015 14:17	Ms. Cindy
2085774014	IMP-2	Air	7/21/2015 11:03	7/28/2015 14:17	Ms. Cindy
2085774015	Rooftop Fan 1	Air	7/21/2015 09:45	7/28/2015 14:17	Ms. Cindy
2085774016	Rooftop Fan 2	Air	7/21/2015 09:35	7/28/2015 14:17	Ms. Cindy
2085774017	Rooftop Fan 3	Air	7/21/2015 10:04	7/28/2015 14:17	Ms. Cindy
2085774018	Ambient Outdoor Air	Air	7/21/2015 12:15	7/28/2015 14:17	Ms. Cindy

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**Mexico:** Monterrey

**SAMPLE SUMMARY**

Workorder: 2085774 Alvarez-1506603

**Notes**

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".

**Standard Acronyms/Flags**

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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**PROJECT SUMMARY**

Workorder: 2085774 Alvarez-1506603

**Workorder Comments**

This certificate of analysis was modified to report the TO15 analysis according to the project specific requirements. Acrylonitrile, Isopropylbenzene, and p-Isopropyltoluene were included; extraneous compounds were removed; and results were reported in units of ug/m3. SJS 08/10/15

This certificate of analysis was modified to include the method detection limit (MDL) per instructions from Alan Lopez, ALS Organics Manager. Results between the MDL and RDL are flagged with "J". SJS 09/03/15

This certificate of analysis was modified to include the acetone result on the Kitchen Storage sample ID under ALS #2085774003 per project requirements. SJS 09/04/15

**Sample Comments****Lab ID:** 2085774002**Sample ID:** Cafeteria**Sample Type:** SAMPLE

The summa canister used for this sample may have leaked prior to sampling. The initial pressure reading was -12.5"Hg in the field. Initial testing pressure should be <-28"Hg.

**Lab ID:** 2085774010**Sample ID:** MP-3**Sample Type:** SAMPLE

The reporting limits for the TO15 analytes were raised due to the dilution of the sample caused by the level of target compounds.

**Lab ID:** 2085774011**Sample ID:** MP-4**Sample Type:** SAMPLE

The reporting limits for the TO15 analytes were raised due to the dilution of the sample caused by the level of target compounds.

**Lab ID:** 2085774013**Sample ID:** IMP-1**Sample Type:** SAMPLE

One or more of the method TO15 internal standards were recovered outside of the control limits. Sample re-analysis was not possible due to the increased sample volume required to achieve the project required detection limits. This indicates a possible matrix interference.

**Lab ID:** 2085774014**Sample ID:** IMP-2**Sample Type:** SAMPLE

One or more of the method TO15 internal standards were recovered outside of the control limits. Sample re-analysis was not possible due to the increased sample volume required to achieve the project required detection limits. This indicates a possible matrix interference.

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**ANALYTICAL RESULTS**

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774001** Date Collected: 7/21/2015 10:49 Matrix: Air  
Sample ID: **Gymnasium** Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
<b>VOLATILE ORGANICS @ STP</b>										
Acetone	24		ug/m3	1	0.5	TO-15		8/6/15 00:43	ECB	A
Acrylonitrile	ND		ug/m3	0.1	0.06	TO-15		8/4/15 19:27	ECB	A
Benzene	0.51		ug/m3	0.2	0.08	TO-15		8/4/15 19:27	ECB	A
Bromodichloromethane	ND		ug/m3	0.3	0.2	TO-15		8/4/15 19:27	ECB	A
Bromoform	ND		ug/m3	0.5	0.3	TO-15		8/4/15 19:27	ECB	A
2-Butanone	2.8		ug/m3	0.1	0.07	TO-15		8/4/15 19:27	ECB	A
Carbon Tetrachloride	0.30J	J	ug/m3	0.3	0.2	TO-15		8/4/15 19:27	ECB	A
Chlorobenzene	ND		ug/m3	0.2	0.1	TO-15		8/4/15 19:27	ECB	A
Chlorodibromomethane	ND		ug/m3	0.4	0.2	TO-15		8/4/15 19:27	ECB	A
Chloroethane	ND		ug/m3	0.1	0.06	TO-15		8/4/15 19:27	ECB	A
Chloroform	0.17J	J	ug/m3	0.2	0.1	TO-15		8/4/15 19:27	ECB	A
Chloromethane	1.2		ug/m3	0.1	0.05	TO-15		8/4/15 19:27	ECB	A
1,2-Dibromoethane	ND		ug/m3	0.4	0.2	TO-15		8/4/15 19:27	ECB	A
1,2-Dichlorobenzene	ND		ug/m3	0.3	0.2	TO-15		8/4/15 19:27	ECB	A
1,3-Dichlorobenzene	ND		ug/m3	0.3	0.2	TO-15		8/4/15 19:27	ECB	A
1,4-Dichlorobenzene	ND		ug/m3	0.3	0.2	TO-15		8/4/15 19:27	ECB	A
Dichlorodifluoromethane	0.89		ug/m3	0.2	0.1	TO-15		8/4/15 19:27	ECB	A
1,1-Dichloroethane	ND		ug/m3	0.2	0.1	TO-15		8/4/15 19:27	ECB	A
1,2-Dichloroethane	ND		ug/m3	0.2	0.1	TO-15		8/4/15 19:27	ECB	A
1,1-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/4/15 19:27	ECB	A
cis-1,2-Dichloroethene	0.11J	J	ug/m3	0.2	0.1	TO-15		8/4/15 19:27	ECB	A
trans-1,2-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/4/15 19:27	ECB	A
1,2-Dichloropropane	ND		ug/m3	0.2	0.1	TO-15		8/4/15 19:27	ECB	A
cis-1,3-Dichloropropene	ND		ug/m3	0.2	0.1	TO-15		8/4/15 19:27	ECB	A
trans-1,3-Dichloropropene	ND		ug/m3	0.2	0.1	TO-15		8/4/15 19:27	ECB	A
Ethylbenzene	0.27		ug/m3	0.2	0.1	TO-15		8/4/15 19:27	ECB	A
Isopropylbenzene	ND		ug/m3	0.2	0.1	TO-15		8/4/15 19:27	ECB	A
p-Isopropyltoluene	ND		ug/m3	0.3	0.1	TO-15		8/4/15 19:27	ECB	A
Methyl t-Butyl Ether	ND		ug/m3	0.2	0.09	TO-15		8/4/15 19:27	ECB	A
4-Methyl-2-Pentanone(MIBK)	0.25		ug/m3	0.2	0.1	TO-15		8/4/15 19:27	ECB	A
Methylene Chloride	1.6		ug/m3	0.2	0.09	TO-15		8/4/15 19:27	ECB	A
Styrene	ND		ug/m3	0.2	0.1	TO-15		8/4/15 19:27	ECB	A
1,1,2,2-Tetrachloroethane	ND		ug/m3	0.3	0.2	TO-15		8/4/15 19:27	ECB	A
Tetrachloroethene	2.7		ug/m3	0.3	0.2	TO-15		8/4/15 19:27	ECB	A
Toluene	2.7		ug/m3	0.2	0.1	TO-15		8/4/15 19:27	ECB	A
1,1,1-Trichloroethane	ND		ug/m3	0.3	0.1	TO-15		8/4/15 19:27	ECB	A

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**ANALYTICAL RESULTS**

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774001**

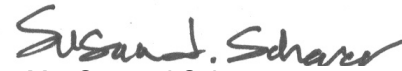
Date Collected: 7/21/2015 10:49

Matrix: Air

Sample ID: **Gymnasium**

Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
1,1,2-Trichloroethane	ND		ug/m3	0.3	0.1	TO-15		8/4/15 19:27	ECB	A
Trichloroethene	0.26J	J	ug/m3	0.3	0.1	TO-15		8/4/15 19:27	ECB	A
Trichlorofluoromethane	0.85		ug/m3	0.3	0.1	TO-15		8/4/15 19:27	ECB	A
1,2,4-Trimethylbenzene	0.25		ug/m3	0.2	0.1	TO-15		8/4/15 19:27	ECB	A
1,3,5-Trimethylbenzene	ND		ug/m3	0.2	0.1	TO-15		8/4/15 19:27	ECB	A
Vinyl Chloride	ND		ug/m3	0.1	0.06	TO-15		8/4/15 19:27	ECB	A
o-Xylene	0.29		ug/m3	0.2	0.1	TO-15		8/4/15 19:27	ECB	A
mp-Xylene	0.77		ug/m3	0.4	0.2	TO-15		8/4/15 19:27	ECB	A



Ms. Susan J Scherer

Project Coordinator

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**ANALYTICAL RESULTS**

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774002**

Date Collected: 7/21/2015 10:16

Matrix: Air

Sample ID: **Cafeteria**

Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
<b>VOLATILE ORGANICS @ STP</b>										
Acetone	15		ug/m3	0.1	0.06	TO-15		8/4/15 20:46	ECB	A
Acrylonitrile	ND		ug/m3	0.1	0.05	TO-15		8/4/15 20:46	ECB	A
Benzene	0.50		ug/m3	0.2	0.08	TO-15		8/4/15 20:46	ECB	A
Bromodichloromethane	ND		ug/m3	0.3	0.2	TO-15		8/4/15 20:46	ECB	A
Bromoform	ND		ug/m3	0.5	0.2	TO-15		8/4/15 20:46	ECB	A
2-Butanone	1.5		ug/m3	0.1	0.07	TO-15		8/4/15 20:46	ECB	A
Carbon Tetrachloride	0.28J	J	ug/m3	0.3	0.2	TO-15		8/4/15 20:46	ECB	A
Chlorobenzene	ND		ug/m3	0.2	0.1	TO-15		8/4/15 20:46	ECB	A
Chlorodibromomethane	ND		ug/m3	0.4	0.2	TO-15		8/4/15 20:46	ECB	A
Chloroethane	ND		ug/m3	0.1	0.06	TO-15		8/4/15 20:46	ECB	A
Chloroform	0.21J	J	ug/m3	0.2	0.1	TO-15		8/4/15 20:46	ECB	A
Chloromethane	1.2		ug/m3	0.1	0.05	TO-15		8/4/15 20:46	ECB	A
1,2-Dibromoethane	ND		ug/m3	0.4	0.2	TO-15		8/4/15 20:46	ECB	A
1,2-Dichlorobenzene	ND		ug/m3	0.3	0.1	TO-15		8/4/15 20:46	ECB	A
1,3-Dichlorobenzene	ND		ug/m3	0.3	0.1	TO-15		8/4/15 20:46	ECB	A
1,4-Dichlorobenzene	ND		ug/m3	0.3	0.1	TO-15		8/4/15 20:46	ECB	A
Dichlorodifluoromethane	0.94		ug/m3	0.2	0.1	TO-15		8/4/15 20:46	ECB	A
1,1-Dichloroethane	ND		ug/m3	0.2	0.1	TO-15		8/4/15 20:46	ECB	A
1,2-Dichloroethane	ND		ug/m3	0.2	0.1	TO-15		8/4/15 20:46	ECB	A
1,1-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/4/15 20:46	ECB	A
cis-1,2-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/4/15 20:46	ECB	A
trans-1,2-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/4/15 20:46	ECB	A
1,2-Dichloropropane	ND		ug/m3	0.2	0.1	TO-15		8/4/15 20:46	ECB	A
cis-1,3-Dichloropropene	ND		ug/m3	0.2	0.1	TO-15		8/4/15 20:46	ECB	A
trans-1,3-Dichloropropene	ND		ug/m3	0.2	0.1	TO-15		8/4/15 20:46	ECB	A
Ethylbenzene	0.26		ug/m3	0.2	0.1	TO-15		8/4/15 20:46	ECB	A
Isopropylbenzene	ND		ug/m3	0.2	0.1	TO-15		8/4/15 20:46	ECB	A
p-Isopropyltoluene	ND		ug/m3	0.3	0.1	TO-15		8/4/15 20:46	ECB	A
Methyl t-Butyl Ether	ND		ug/m3	0.2	0.09	TO-15		8/4/15 20:46	ECB	A
4-Methyl-2-Pentanone(MIBK)	0.10J	J	ug/m3	0.2	0.1	TO-15		8/4/15 20:46	ECB	A
Methylene Chloride	1.1		ug/m3	0.2	0.08	TO-15		8/4/15 20:46	ECB	A
Styrene	ND		ug/m3	0.2	0.1	TO-15		8/4/15 20:46	ECB	A
1,1,2,2-Tetrachloroethane	ND		ug/m3	0.3	0.2	TO-15		8/4/15 20:46	ECB	A
Tetrachloroethene	0.41		ug/m3	0.3	0.2	TO-15		8/4/15 20:46	ECB	A
Toluene	2.4		ug/m3	0.2	0.09	TO-15		8/4/15 20:46	ECB	A
1,1,1-Trichloroethane	ND		ug/m3	0.3	0.1	TO-15		8/4/15 20:46	ECB	A

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### ANALYTICAL RESULTS

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774002**

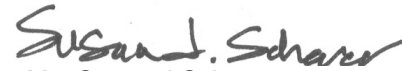
Date Collected: 7/21/2015 10:16

Matrix: Air

Sample ID: **Cafeteria**

Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
1,1,2-Trichloroethane	ND		ug/m3	0.3	0.1	TO-15		8/4/15 20:46	ECB	A
Trichloroethene	0.14J	J	ug/m3	0.3	0.1	TO-15		8/4/15 20:46	ECB	A
Trichlorofluoromethane	0.83		ug/m3	0.3	0.1	TO-15		8/4/15 20:46	ECB	A
1,2,4-Trimethylbenzene	0.36		ug/m3	0.2	0.1	TO-15		8/4/15 20:46	ECB	A
1,3,5-Trimethylbenzene	ND		ug/m3	0.2	0.1	TO-15		8/4/15 20:46	ECB	A
Vinyl Chloride	ND		ug/m3	0.1	0.06	TO-15		8/4/15 20:46	ECB	A
o-Xylene	0.26		ug/m3	0.2	0.1	TO-15		8/4/15 20:46	ECB	A
mp-Xylene	0.72		ug/m3	0.4	0.2	TO-15		8/4/15 20:46	ECB	A



Ms. Susan J Scherer

Project Coordinator

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**ANALYTICAL RESULTS**

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774003** Date Collected: 7/21/2015 09:55 Matrix: Air  
Sample ID: **Kitchen Storage** Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
<b>VOLATILE ORGANICS @ STP</b>										
Acetone	36		ug/m3	1	0.5	TO-15		8/6/15 01:29	ECB	A
Acrylonitrile	ND		ug/m3	0.1	0.05	TO-15		8/4/15 22:06	ECB	A
Benzene	0.58		ug/m3	0.2	0.08	TO-15		8/4/15 22:06	ECB	A
Bromodichloromethane	ND		ug/m3	0.3	0.2	TO-15		8/4/15 22:06	ECB	A
Bromoform	ND		ug/m3	0.5	0.2	TO-15		8/4/15 22:06	ECB	A
2-Butanone	3.8		ug/m3	0.1	0.07	TO-15		8/4/15 22:06	ECB	A
Carbon Tetrachloride	0.27J	J	ug/m3	0.3	0.2	TO-15		8/4/15 22:06	ECB	A
Chlorobenzene	ND		ug/m3	0.2	0.1	TO-15		8/4/15 22:06	ECB	A
Chlorodibromomethane	ND		ug/m3	0.4	0.2	TO-15		8/4/15 22:06	ECB	A
Chloroethane	ND		ug/m3	0.1	0.06	TO-15		8/4/15 22:06	ECB	A
Chloroform	0.25		ug/m3	0.2	0.1	TO-15		8/4/15 22:06	ECB	A
Chloromethane	1.2		ug/m3	0.1	0.05	TO-15		8/4/15 22:06	ECB	A
1,2-Dibromoethane	ND		ug/m3	0.4	0.2	TO-15		8/4/15 22:06	ECB	A
1,2-Dichlorobenzene	ND		ug/m3	0.3	0.1	TO-15		8/4/15 22:06	ECB	A
1,3-Dichlorobenzene	ND		ug/m3	0.3	0.1	TO-15		8/4/15 22:06	ECB	A
1,4-Dichlorobenzene	ND		ug/m3	0.3	0.1	TO-15		8/4/15 22:06	ECB	A
Dichlorodifluoromethane	0.87		ug/m3	0.2	0.1	TO-15		8/4/15 22:06	ECB	A
1,1-Dichloroethane	ND		ug/m3	0.2	0.1	TO-15		8/4/15 22:06	ECB	A
1,2-Dichloroethane	0.10J	J	ug/m3	0.2	0.1	TO-15		8/4/15 22:06	ECB	A
1,1-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/4/15 22:06	ECB	A
cis-1,2-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/4/15 22:06	ECB	A
trans-1,2-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/4/15 22:06	ECB	A
1,2-Dichloropropane	ND		ug/m3	0.2	0.1	TO-15		8/4/15 22:06	ECB	A
cis-1,3-Dichloropropene	ND		ug/m3	0.2	0.1	TO-15		8/4/15 22:06	ECB	A
trans-1,3-Dichloropropene	ND		ug/m3	0.2	0.1	TO-15		8/4/15 22:06	ECB	A
Ethylbenzene	0.59		ug/m3	0.2	0.1	TO-15		8/4/15 22:06	ECB	A
Isopropylbenzene	ND		ug/m3	0.2	0.1	TO-15		8/4/15 22:06	ECB	A
p-Isopropyltoluene	0.17J	J	ug/m3	0.3	0.1	TO-15		8/4/15 22:06	ECB	A
Methyl t-Butyl Ether	0.18		ug/m3	0.2	0.09	TO-15		8/4/15 22:06	ECB	A
4-Methyl-2-Pentanone(MIBK)	0.37		ug/m3	0.2	0.1	TO-15		8/4/15 22:06	ECB	A
Methylene Chloride	4.8		ug/m3	0.2	0.08	TO-15		8/4/15 22:06	ECB	A
Styrene	0.30		ug/m3	0.2	0.1	TO-15		8/4/15 22:06	ECB	A
1,1,2,2-Tetrachloroethane	ND		ug/m3	0.3	0.2	TO-15		8/4/15 22:06	ECB	A
Tetrachloroethene	1.3		ug/m3	0.3	0.2	TO-15		8/4/15 22:06	ECB	A
Toluene	6.1		ug/m3	0.2	0.09	TO-15		8/4/15 22:06	ECB	A
1,1,1-Trichloroethane	ND		ug/m3	0.3	0.1	TO-15		8/4/15 22:06	ECB	A

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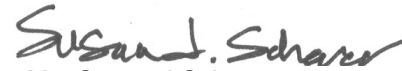
**ANALYTICAL RESULTS**

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774003**  
Sample ID: **Kitchen Storage**

Date Collected: 7/21/2015 09:55 Matrix: Air  
Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
1,1,2-Trichloroethane	ND		ug/m3	0.3	0.1	TO-15		8/4/15 22:06	ECB	A
Trichloroethene	0.26		ug/m3	0.3	0.1	TO-15		8/4/15 22:06	ECB	A
Trichlorofluoromethane	0.77		ug/m3	0.3	0.1	TO-15		8/4/15 22:06	ECB	A
1,2,4-Trimethylbenzene	0.75		ug/m3	0.2	0.1	TO-15		8/4/15 22:06	ECB	A
1,3,5-Trimethylbenzene	0.23J	J	ug/m3	0.2	0.1	TO-15		8/4/15 22:06	ECB	A
Vinyl Chloride	ND		ug/m3	0.1	0.06	TO-15		8/4/15 22:06	ECB	A
o-Xylene	0.66		ug/m3	0.2	0.1	TO-15		8/4/15 22:06	ECB	A
mp-Xylene	1.8		ug/m3	0.4	0.2	TO-15		8/4/15 22:06	ECB	A



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Project Coordinator

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**ANALYTICAL RESULTS**

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774004** Date Collected: 7/21/2015 10:55 Matrix: Air  
Sample ID: **Elevator Hallway** Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
<b>VOLATILE ORGANICS @ STP</b>										
Acetone	23		ug/m3	0.1	0.06	TO-15		8/4/15 23:25	ECB	A
Acrylonitrile	ND		ug/m3	0.1	0.06	TO-15		8/4/15 23:25	ECB	A
Benzene	0.47		ug/m3	0.2	0.08	TO-15		8/4/15 23:25	ECB	A
Bromodichloromethane	ND		ug/m3	0.3	0.2	TO-15		8/4/15 23:25	ECB	A
Bromoform	ND		ug/m3	0.5	0.3	TO-15		8/4/15 23:25	ECB	A
2-Butanone	2.2		ug/m3	0.2	0.08	TO-15		8/4/15 23:25	ECB	A
Carbon Tetrachloride	0.25J	J	ug/m3	0.3	0.2	TO-15		8/4/15 23:25	ECB	A
Chlorobenzene	ND		ug/m3	0.2	0.1	TO-15		8/4/15 23:25	ECB	A
Chlorodibromomethane	ND		ug/m3	0.4	0.2	TO-15		8/4/15 23:25	ECB	A
Chloroethane	ND		ug/m3	0.1	0.07	TO-15		8/4/15 23:25	ECB	A
Chloroform	0.26		ug/m3	0.3	0.1	TO-15		8/4/15 23:25	ECB	A
Chloromethane	1.2		ug/m3	0.1	0.05	TO-15		8/4/15 23:25	ECB	A
1,2-Dibromoethane	ND		ug/m3	0.4	0.2	TO-15		8/4/15 23:25	ECB	A
1,2-Dichlorobenzene	ND		ug/m3	0.3	0.2	TO-15		8/4/15 23:25	ECB	A
1,3-Dichlorobenzene	ND		ug/m3	0.3	0.2	TO-15		8/4/15 23:25	ECB	A
1,4-Dichlorobenzene	ND		ug/m3	0.3	0.2	TO-15		8/4/15 23:25	ECB	A
Dichlorodifluoromethane	0.84		ug/m3	0.3	0.1	TO-15		8/4/15 23:25	ECB	A
1,1-Dichloroethane	ND		ug/m3	0.2	0.1	TO-15		8/4/15 23:25	ECB	A
1,2-Dichloroethane	ND		ug/m3	0.2	0.1	TO-15		8/4/15 23:25	ECB	A
1,1-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/4/15 23:25	ECB	A
cis-1,2-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/4/15 23:25	ECB	A
trans-1,2-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/4/15 23:25	ECB	A
1,2-Dichloropropane	ND		ug/m3	0.2	0.1	TO-15		8/4/15 23:25	ECB	A
cis-1,3-Dichloropropene	ND		ug/m3	0.2	0.1	TO-15		8/4/15 23:25	ECB	A
trans-1,3-Dichloropropene	ND		ug/m3	0.2	0.1	TO-15		8/4/15 23:25	ECB	A
Ethylbenzene	0.26		ug/m3	0.2	0.1	TO-15		8/4/15 23:25	ECB	A
Isopropylbenzene	ND		ug/m3	0.3	0.1	TO-15		8/4/15 23:25	ECB	A
p-Isopropyltoluene	ND		ug/m3	0.3	0.1	TO-15		8/4/15 23:25	ECB	A
Methyl t-Butyl Ether	0.55		ug/m3	0.2	0.09	TO-15		8/4/15 23:25	ECB	A
4-Methyl-2-Pentanone(MIBK)	2.1		ug/m3	0.2	0.1	TO-15		8/4/15 23:25	ECB	A
Methylene Chloride	20		ug/m3	0.2	0.09	TO-15		8/4/15 23:25	ECB	A
Styrene	0.38		ug/m3	0.2	0.1	TO-15		8/4/15 23:25	ECB	A
1,1,2,2-Tetrachloroethane	ND		ug/m3	0.4	0.2	TO-15		8/4/15 23:25	ECB	A
Tetrachloroethene	0.35J	J	ug/m3	0.4	0.2	TO-15		8/4/15 23:25	ECB	A
Toluene	2.2		ug/m3	0.2	0.1	TO-15		8/4/15 23:25	ECB	A
1,1,1-Trichloroethane	ND		ug/m3	0.3	0.1	TO-15		8/4/15 23:25	ECB	A

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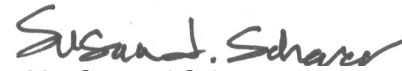
**ANALYTICAL RESULTS**

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774004**  
Sample ID: **Elevator Hallway**

Date Collected: 7/21/2015 10:55 Matrix: Air  
Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
1,1,2-Trichloroethane	ND		ug/m3	0.3	0.1	TO-15		8/4/15 23:25	ECB	A
Trichloroethene	0.24J	J	ug/m3	0.3	0.1	TO-15		8/4/15 23:25	ECB	A
Trichlorofluoromethane	0.75		ug/m3	0.3	0.1	TO-15		8/4/15 23:25	ECB	A
1,2,4-Trimethylbenzene	0.19J	J	ug/m3	0.3	0.1	TO-15		8/4/15 23:25	ECB	A
1,3,5-Trimethylbenzene	ND		ug/m3	0.3	0.1	TO-15		8/4/15 23:25	ECB	A
Vinyl Chloride	ND		ug/m3	0.1	0.07	TO-15		8/4/15 23:25	ECB	A
o-Xylene	0.33		ug/m3	0.2	0.1	TO-15		8/4/15 23:25	ECB	A
mp-Xylene	0.80		ug/m3	0.5	0.2	TO-15		8/4/15 23:25	ECB	A



Ms. Susan J Scherer  
Project Coordinator

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**ANALYTICAL RESULTS**

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774005**

Date Collected: 7/21/2015 11:07

Matrix: Air

Sample ID: **Room 154**

Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
<b>VOLATILE ORGANICS @ STP</b>										
Acetone	22		ug/m3	0.2	0.08	TO-15		8/5/15 00:44	ECB	A
Acrylonitrile	ND		ug/m3	0.1	0.07	TO-15		8/5/15 00:44	ECB	A
Benzene	0.48		ug/m3	0.2	0.1	TO-15		8/5/15 00:44	ECB	A
Bromodichloromethane	ND		ug/m3	0.4	0.2	TO-15		8/5/15 00:44	ECB	A
Bromoform	ND		ug/m3	0.7	0.3	TO-15		8/5/15 00:44	ECB	A
2-Butanone	1.7		ug/m3	0.2	0.09	TO-15		8/5/15 00:44	ECB	A
Carbon Tetrachloride	0.26J	J	ug/m3	0.4	0.2	TO-15		8/5/15 00:44	ECB	A
Chlorobenzene	ND		ug/m3	0.3	0.1	TO-15		8/5/15 00:44	ECB	A
Chlorodibromomethane	ND		ug/m3	0.5	0.3	TO-15		8/5/15 00:44	ECB	A
Chloroethane	ND		ug/m3	0.2	0.08	TO-15		8/5/15 00:44	ECB	A
Chloroform	11		ug/m3	0.3	0.2	TO-15		8/5/15 00:44	ECB	A
Chloromethane	0.97		ug/m3	0.1	0.07	TO-15		8/5/15 00:44	ECB	A
1,2-Dibromoethane	ND		ug/m3	0.5	0.2	TO-15		8/5/15 00:44	ECB	A
1,2-Dichlorobenzene	ND		ug/m3	0.4	0.2	TO-15		8/5/15 00:44	ECB	A
1,3-Dichlorobenzene	ND		ug/m3	0.4	0.2	TO-15		8/5/15 00:44	ECB	A
1,4-Dichlorobenzene	ND		ug/m3	0.4	0.2	TO-15		8/5/15 00:44	ECB	A
Dichlorodifluoromethane	0.93		ug/m3	0.3	0.2	TO-15		8/5/15 00:44	ECB	A
1,1-Dichloroethane	ND		ug/m3	0.3	0.1	TO-15		8/5/15 00:44	ECB	A
1,2-Dichloroethane	ND		ug/m3	0.3	0.1	TO-15		8/5/15 00:44	ECB	A
1,1-Dichloroethene	ND		ug/m3	0.3	0.1	TO-15		8/5/15 00:44	ECB	A
cis-1,2-Dichloroethene	ND		ug/m3	0.3	0.1	TO-15		8/5/15 00:44	ECB	A
trans-1,2-Dichloroethene	ND		ug/m3	0.3	0.1	TO-15		8/5/15 00:44	ECB	A
1,2-Dichloropropane	ND		ug/m3	0.3	0.1	TO-15		8/5/15 00:44	ECB	A
cis-1,3-Dichloropropene	ND		ug/m3	0.3	0.1	TO-15		8/5/15 00:44	ECB	A
trans-1,3-Dichloropropene	ND		ug/m3	0.3	0.1	TO-15		8/5/15 00:44	ECB	A
Ethylbenzene	0.38		ug/m3	0.3	0.1	TO-15		8/5/15 00:44	ECB	A
Isopropylbenzene	ND		ug/m3	0.3	0.2	TO-15		8/5/15 00:44	ECB	A
p-Isopropyltoluene	ND		ug/m3	0.4	0.2	TO-15		8/5/15 00:44	ECB	A
Methyl t-Butyl Ether	ND		ug/m3	0.2	0.1	TO-15		8/5/15 00:44	ECB	A
4-Methyl-2-Pentanone(MIBK)	2.3		ug/m3	0.3	0.1	TO-15		8/5/15 00:44	ECB	A
Methylene Chloride	1.7		ug/m3	0.2	0.1	TO-15		8/5/15 00:44	ECB	A
Styrene	0.27		ug/m3	0.3	0.1	TO-15		8/5/15 00:44	ECB	A
1,1,2,2-Tetrachloroethane	ND		ug/m3	0.4	0.2	TO-15		8/5/15 00:44	ECB	A
Tetrachloroethene	26		ug/m3	0.4	0.2	TO-15		8/5/15 00:44	ECB	A
Toluene	2.4		ug/m3	0.2	0.1	TO-15		8/5/15 00:44	ECB	A
1,1,1-Trichloroethane	ND		ug/m3	0.3	0.2	TO-15		8/5/15 00:44	ECB	A

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### ANALYTICAL RESULTS

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774005**

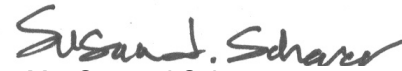
Date Collected: 7/21/2015 11:07

Matrix: Air

Sample ID: **Room 154**

Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
1,1,2-Trichloroethane	ND		ug/m3	0.3	0.2	TO-15		8/5/15 00:44	ECB	A
Trichloroethene	0.19J	J	ug/m3	0.3	0.2	TO-15		8/5/15 00:44	ECB	A
Trichlorofluoromethane	0.79		ug/m3	0.4	0.2	TO-15		8/5/15 00:44	ECB	A
1,2,4-Trimethylbenzene	0.18J	J	ug/m3	0.3	0.2	TO-15		8/5/15 00:44	ECB	A
1,3,5-Trimethylbenzene	ND		ug/m3	0.3	0.2	TO-15		8/5/15 00:44	ECB	A
Vinyl Chloride	ND		ug/m3	0.2	0.08	TO-15		8/5/15 00:44	ECB	A
o-Xylene	0.30		ug/m3	0.3	0.1	TO-15		8/5/15 00:44	ECB	A
mp-Xylene	0.72		ug/m3	0.6	0.3	TO-15		8/5/15 00:44	ECB	A



Ms. Susan J Scherer

Project Coordinator

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**ANALYTICAL RESULTS**

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774006**

Date Collected: 7/21/2015 11:01

Matrix: Air

Sample ID: **Room 152**

Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
<b>VOLATILE ORGANICS @ STP</b>										
Acetone	23		ug/m3	1	0.5	TO-15		8/6/15 02:15	ECB	A
Acrylonitrile	ND		ug/m3	0.1	0.06	TO-15		8/5/15 02:03	ECB	A
Benzene	0.48		ug/m3	0.2	0.08	TO-15		8/5/15 02:03	ECB	A
Bromodichloromethane	ND		ug/m3	0.3	0.2	TO-15		8/5/15 02:03	ECB	A
Bromoform	ND		ug/m3	0.5	0.3	TO-15		8/5/15 02:03	ECB	A
2-Butanone	2.1		ug/m3	0.1	0.07	TO-15		8/5/15 02:03	ECB	A
Carbon Tetrachloride	0.25J	J	ug/m3	0.3	0.2	TO-15		8/5/15 02:03	ECB	A
Chlorobenzene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 02:03	ECB	A
Chlorodibromomethane	ND		ug/m3	0.4	0.2	TO-15		8/5/15 02:03	ECB	A
Chloroethane	ND		ug/m3	0.1	0.06	TO-15		8/5/15 02:03	ECB	A
Chloroform	0.17J	J	ug/m3	0.2	0.1	TO-15		8/5/15 02:03	ECB	A
Chloromethane	1.2		ug/m3	0.1	0.05	TO-15		8/5/15 02:03	ECB	A
1,2-Dibromoethane	ND		ug/m3	0.4	0.2	TO-15		8/5/15 02:03	ECB	A
1,2-Dichlorobenzene	ND		ug/m3	0.3	0.2	TO-15		8/5/15 02:03	ECB	A
1,3-Dichlorobenzene	ND		ug/m3	0.3	0.2	TO-15		8/5/15 02:03	ECB	A
1,4-Dichlorobenzene	ND		ug/m3	0.3	0.2	TO-15		8/5/15 02:03	ECB	A
Dichlorodifluoromethane	0.84		ug/m3	0.2	0.1	TO-15		8/5/15 02:03	ECB	A
1,1-Dichloroethane	ND		ug/m3	0.2	0.1	TO-15		8/5/15 02:03	ECB	A
1,2-Dichloroethane	ND		ug/m3	0.2	0.1	TO-15		8/5/15 02:03	ECB	A
1,1-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 02:03	ECB	A
cis-1,2-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 02:03	ECB	A
trans-1,2-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 02:03	ECB	A
1,2-Dichloropropane	ND		ug/m3	0.2	0.1	TO-15		8/5/15 02:03	ECB	A
cis-1,3-Dichloropropene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 02:03	ECB	A
trans-1,3-Dichloropropene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 02:03	ECB	A
Ethylbenzene	0.23		ug/m3	0.2	0.1	TO-15		8/5/15 02:03	ECB	A
Isopropylbenzene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 02:03	ECB	A
p-Isopropyltoluene	ND		ug/m3	0.3	0.1	TO-15		8/5/15 02:03	ECB	A
Methyl t-Butyl Ether	ND		ug/m3	0.2	0.09	TO-15		8/5/15 02:03	ECB	A
4-Methyl-2-Pentanone(MIBK)	78		ug/m3	2	0.8	TO-15		8/6/15 02:15	ECB	A
Methylene Chloride	1.9		ug/m3	0.2	0.09	TO-15		8/5/15 02:03	ECB	A
Styrene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 02:03	ECB	A
1,1,2,2-Tetrachloroethane	ND		ug/m3	0.3	0.2	TO-15		8/5/15 02:03	ECB	A
Tetrachloroethene	0.74		ug/m3	0.3	0.2	TO-15		8/5/15 02:03	ECB	A
Toluene	2.2		ug/m3	0.2	0.1	TO-15		8/5/15 02:03	ECB	A
1,1,1-Trichloroethane	ND		ug/m3	0.3	0.1	TO-15		8/5/15 02:03	ECB	A

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### ANALYTICAL RESULTS

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774006**

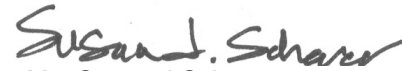
Date Collected: 7/21/2015 11:01

Matrix: Air

Sample ID: **Room 152**

Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
1,1,2-Trichloroethane	ND		ug/m3	0.3	0.1	TO-15		8/5/15 02:03	ECB	A
Trichloroethene	ND		ug/m3	0.3	0.1	TO-15		8/5/15 02:03	ECB	A
Trichlorofluoromethane	0.74		ug/m3	0.3	0.1	TO-15		8/5/15 02:03	ECB	A
1,2,4-Trimethylbenzene	0.15J	J	ug/m3	0.2	0.1	TO-15		8/5/15 02:03	ECB	A
1,3,5-Trimethylbenzene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 02:03	ECB	A
Vinyl Chloride	ND		ug/m3	0.1	0.06	TO-15		8/5/15 02:03	ECB	A
o-Xylene	0.22		ug/m3	0.2	0.1	TO-15		8/5/15 02:03	ECB	A
mp-Xylene	0.62		ug/m3	0.4	0.2	TO-15		8/5/15 02:03	ECB	A



Ms. Susan J Scherer

Project Coordinator

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**ANALYTICAL RESULTS**

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774007**

Date Collected: 7/21/2015 11:53

Matrix: Air

Sample ID: **Room 118**

Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
<b>VOLATILE ORGANICS @ STP</b>										
Acetone	16		ug/m3	0.1	0.06	TO-15		8/5/15 03:22	ECB	A
Acrylonitrile	ND		ug/m3	0.1	0.06	TO-15		8/5/15 03:22	ECB	A
Benzene	0.53		ug/m3	0.2	0.09	TO-15		8/5/15 03:22	ECB	A
Bromodichloromethane	ND		ug/m3	0.4	0.2	TO-15		8/5/15 03:22	ECB	A
Bromoform	ND		ug/m3	0.6	0.3	TO-15		8/5/15 03:22	ECB	A
2-Butanone	2.0		ug/m3	0.2	0.08	TO-15		8/5/15 03:22	ECB	A
Carbon Tetrachloride	0.26J	J	ug/m3	0.3	0.2	TO-15		8/5/15 03:22	ECB	A
Chlorobenzene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 03:22	ECB	A
Chlorodibromomethane	ND		ug/m3	0.5	0.2	TO-15		8/5/15 03:22	ECB	A
Chloroethane	ND		ug/m3	0.1	0.07	TO-15		8/5/15 03:22	ECB	A
Chloroform	0.21J	J	ug/m3	0.3	0.1	TO-15		8/5/15 03:22	ECB	A
Chloromethane	1.5		ug/m3	0.1	0.06	TO-15		8/5/15 03:22	ECB	A
1,2-Dibromoethane	ND		ug/m3	0.4	0.2	TO-15		8/5/15 03:22	ECB	A
1,2-Dichlorobenzene	ND		ug/m3	0.3	0.2	TO-15		8/5/15 03:22	ECB	A
1,3-Dichlorobenzene	ND		ug/m3	0.3	0.2	TO-15		8/5/15 03:22	ECB	A
1,4-Dichlorobenzene	ND		ug/m3	0.3	0.2	TO-15		8/5/15 03:22	ECB	A
Dichlorodifluoromethane	0.91		ug/m3	0.3	0.1	TO-15		8/5/15 03:22	ECB	A
1,1-Dichloroethane	ND		ug/m3	0.2	0.1	TO-15		8/5/15 03:22	ECB	A
1,2-Dichloroethane	ND		ug/m3	0.2	0.1	TO-15		8/5/15 03:22	ECB	A
1,1-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 03:22	ECB	A
cis-1,2-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 03:22	ECB	A
trans-1,2-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 03:22	ECB	A
1,2-Dichloropropane	ND		ug/m3	0.2	0.1	TO-15		8/5/15 03:22	ECB	A
cis-1,3-Dichloropropene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 03:22	ECB	A
trans-1,3-Dichloropropene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 03:22	ECB	A
Ethylbenzene	0.29		ug/m3	0.2	0.1	TO-15		8/5/15 03:22	ECB	A
Isopropylbenzene	ND		ug/m3	0.3	0.1	TO-15		8/5/15 03:22	ECB	A
p-Isopropyltoluene	ND		ug/m3	0.3	0.1	TO-15		8/5/15 03:22	ECB	A
Methyl t-Butyl Ether	ND		ug/m3	0.2	0.1	TO-15		8/5/15 03:22	ECB	A
4-Methyl-2-Pentanone(MIBK)	0.34		ug/m3	0.2	0.1	TO-15		8/5/15 03:22	ECB	A
Methylene Chloride	2.1		ug/m3	0.2	0.09	TO-15		8/5/15 03:22	ECB	A
Styrene	0.15J	J	ug/m3	0.2	0.1	TO-15		8/5/15 03:22	ECB	A
1,1,1,2-Tetrachloroethane	ND		ug/m3	0.4	0.2	TO-15		8/5/15 03:22	ECB	A
Tetrachloroethene	0.39		ug/m3	0.4	0.2	TO-15		8/5/15 03:22	ECB	A
Toluene	2.5		ug/m3	0.2	0.1	TO-15		8/5/15 03:22	ECB	A
1,1,1-Trichloroethane	ND		ug/m3	0.3	0.1	TO-15		8/5/15 03:22	ECB	A

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**ANALYTICAL RESULTS**

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774007**

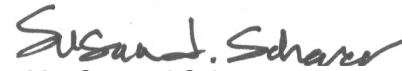
Date Collected: 7/21/2015 11:53

Matrix: Air

Sample ID: **Room 118**

Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
1,1,2-Trichloroethane	ND		ug/m3	0.3	0.1	TO-15		8/5/15 03:22	ECB	A
Trichloroethene	ND		ug/m3	0.3	0.1	TO-15		8/5/15 03:22	ECB	A
Trichlorofluoromethane	0.79		ug/m3	0.3	0.2	TO-15		8/5/15 03:22	ECB	A
1,2,4-Trimethylbenzene	0.20J	J	ug/m3	0.3	0.1	TO-15		8/5/15 03:22	ECB	A
1,3,5-Trimethylbenzene	ND		ug/m3	0.3	0.1	TO-15		8/5/15 03:22	ECB	A
Vinyl Chloride	ND		ug/m3	0.1	0.07	TO-15		8/5/15 03:22	ECB	A
o-Xylene	0.29		ug/m3	0.2	0.1	TO-15		8/5/15 03:22	ECB	A
mp-Xylene	0.74		ug/m3	0.5	0.2	TO-15		8/5/15 03:22	ECB	A



Ms. Susan J Scherer

Project Coordinator

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### ANALYTICAL RESULTS

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774008** Date Collected: 7/21/2015 11:50 Matrix: Air  
Sample ID: **Room 110** Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
<b>VOLATILE ORGANICS @ STP</b>										
Acetone	17		ug/m3	0.1	0.06	TO-15		8/5/15 04:41	ECB	A
Acrylonitrile	ND		ug/m3	0.1	0.06	TO-15		8/5/15 04:41	ECB	A
Benzene	0.57		ug/m3	0.2	0.08	TO-15		8/5/15 04:41	ECB	A
Bromodichloromethane	ND		ug/m3	0.3	0.2	TO-15		8/5/15 04:41	ECB	A
Bromoform	ND		ug/m3	0.5	0.3	TO-15		8/5/15 04:41	ECB	A
2-Butanone	1.5		ug/m3	0.2	0.08	TO-15		8/5/15 04:41	ECB	A
Carbon Tetrachloride	0.26J	J	ug/m3	0.3	0.2	TO-15		8/5/15 04:41	ECB	A
Chlorobenzene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 04:41	ECB	A
Chlorodibromomethane	ND		ug/m3	0.4	0.2	TO-15		8/5/15 04:41	ECB	A
Chloroethane	ND		ug/m3	0.1	0.07	TO-15		8/5/15 04:41	ECB	A
Chloroform	0.27		ug/m3	0.3	0.1	TO-15		8/5/15 04:41	ECB	A
Chloromethane	1.5		ug/m3	0.1	0.05	TO-15		8/5/15 04:41	ECB	A
1,2-Dibromoethane	ND		ug/m3	0.4	0.2	TO-15		8/5/15 04:41	ECB	A
1,2-Dichlorobenzene	ND		ug/m3	0.3	0.2	TO-15		8/5/15 04:41	ECB	A
1,3-Dichlorobenzene	ND		ug/m3	0.3	0.2	TO-15		8/5/15 04:41	ECB	A
1,4-Dichlorobenzene	ND		ug/m3	0.3	0.2	TO-15		8/5/15 04:41	ECB	A
Dichlorodifluoromethane	0.88		ug/m3	0.3	0.1	TO-15		8/5/15 04:41	ECB	A
1,1-Dichloroethane	ND		ug/m3	0.2	0.1	TO-15		8/5/15 04:41	ECB	A
1,2-Dichloroethane	ND		ug/m3	0.2	0.1	TO-15		8/5/15 04:41	ECB	A
1,1-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 04:41	ECB	A
cis-1,2-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 04:41	ECB	A
trans-1,2-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 04:41	ECB	A
1,2-Dichloropropane	ND		ug/m3	0.2	0.1	TO-15		8/5/15 04:41	ECB	A
cis-1,3-Dichloropropene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 04:41	ECB	A
trans-1,3-Dichloropropene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 04:41	ECB	A
Ethylbenzene	0.32		ug/m3	0.2	0.1	TO-15		8/5/15 04:41	ECB	A
Isopropylbenzene	ND		ug/m3	0.3	0.1	TO-15		8/5/15 04:41	ECB	A
p-Isopropyltoluene	ND		ug/m3	0.3	0.1	TO-15		8/5/15 04:41	ECB	A
Methyl t-Butyl Ether	ND		ug/m3	0.2	0.09	TO-15		8/5/15 04:41	ECB	A
4-Methyl-2-Pentanone(MIBK)	0.34		ug/m3	0.2	0.1	TO-15		8/5/15 04:41	ECB	A
Methylene Chloride	1.5		ug/m3	0.2	0.09	TO-15		8/5/15 04:41	ECB	A
Styrene	0.38		ug/m3	0.2	0.1	TO-15		8/5/15 04:41	ECB	A
1,1,2,2-Tetrachloroethane	ND		ug/m3	0.4	0.2	TO-15		8/5/15 04:41	ECB	A
Tetrachloroethene	0.39		ug/m3	0.4	0.2	TO-15		8/5/15 04:41	ECB	A
Toluene	2.7		ug/m3	0.2	0.1	TO-15		8/5/15 04:41	ECB	A
1,1,1-Trichloroethane	ND		ug/m3	0.3	0.1	TO-15		8/5/15 04:41	ECB	A

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**ANALYTICAL RESULTS**

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774008**

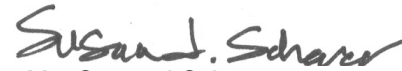
Date Collected: 7/21/2015 11:50

Matrix: Air

Sample ID: **Room 110**

Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
1,1,2-Trichloroethane	ND		ug/m3	0.3	0.1	TO-15		8/5/15 04:41	ECB	A
Trichloroethene	0.20J	J	ug/m3	0.3	0.1	TO-15		8/5/15 04:41	ECB	A
Trichlorofluoromethane	0.78		ug/m3	0.3	0.1	TO-15		8/5/15 04:41	ECB	A
1,2,4-Trimethylbenzene	0.29		ug/m3	0.3	0.1	TO-15		8/5/15 04:41	ECB	A
1,3,5-Trimethylbenzene	ND		ug/m3	0.3	0.1	TO-15		8/5/15 04:41	ECB	A
Vinyl Chloride	ND		ug/m3	0.1	0.07	TO-15		8/5/15 04:41	ECB	A
o-Xylene	0.28		ug/m3	0.2	0.1	TO-15		8/5/15 04:41	ECB	A
mp-Xylene	0.75		ug/m3	0.5	0.2	TO-15		8/5/15 04:41	ECB	A



Ms. Susan J Scherer

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**ANALYTICAL RESULTS**

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774009**

Date Collected: 7/21/2015 12:37

Matrix: Air

Sample ID: **MP-1**

Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
<b>VOLATILE ORGANICS @ STP</b>										
Acetone	12		ug/m3	0.1	0.06	TO-15		8/5/15 06:01	ECB	A
Acrylonitrile	ND		ug/m3	0.1	0.05	TO-15		8/5/15 06:01	ECB	A
Benzene	0.35		ug/m3	0.1	0.07	TO-15		8/5/15 06:01	ECB	A
Bromodichloromethane	ND		ug/m3	0.3	0.2	TO-15		8/5/15 06:01	ECB	A
Bromoform	ND		ug/m3	0.5	0.2	TO-15		8/5/15 06:01	ECB	A
2-Butanone	17		ug/m3	0.1	0.07	TO-15		8/5/15 06:01	ECB	A
Carbon Tetrachloride	0.27J	J	ug/m3	0.3	0.1	TO-15		8/5/15 06:01	ECB	A
Chlorobenzene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 06:01	ECB	A
Chlorodibromomethane	ND		ug/m3	0.4	0.2	TO-15		8/5/15 06:01	ECB	A
Chloroethane	ND		ug/m3	0.1	0.06	TO-15		8/5/15 06:01	ECB	A
Chloroform	0.13J	J	ug/m3	0.2	0.1	TO-15		8/5/15 06:01	ECB	A
Chloromethane	0.69		ug/m3	0.09	0.05	TO-15		8/5/15 06:01	ECB	A
1,2-Dibromoethane	ND		ug/m3	0.4	0.2	TO-15		8/5/15 06:01	ECB	A
1,2-Dichlorobenzene	ND		ug/m3	0.3	0.1	TO-15		8/5/15 06:01	ECB	A
1,3-Dichlorobenzene	ND		ug/m3	0.3	0.1	TO-15		8/5/15 06:01	ECB	A
1,4-Dichlorobenzene	ND		ug/m3	0.3	0.1	TO-15		8/5/15 06:01	ECB	A
Dichlorodifluoromethane	0.88		ug/m3	0.2	0.1	TO-15		8/5/15 06:01	ECB	A
1,1-Dichloroethane	ND		ug/m3	0.2	0.09	TO-15		8/5/15 06:01	ECB	A
1,2-Dichloroethane	0.14J	J	ug/m3	0.2	0.09	TO-15		8/5/15 06:01	ECB	A
1,1-Dichloroethene	ND		ug/m3	0.2	0.09	TO-15		8/5/15 06:01	ECB	A
cis-1,2-Dichloroethene	ND		ug/m3	0.2	0.09	TO-15		8/5/15 06:01	ECB	A
trans-1,2-Dichloroethene	ND		ug/m3	0.2	0.09	TO-15		8/5/15 06:01	ECB	A
1,2-Dichloropropane	ND		ug/m3	0.2	0.1	TO-15		8/5/15 06:01	ECB	A
cis-1,3-Dichloropropene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 06:01	ECB	A
trans-1,3-Dichloropropene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 06:01	ECB	A
Ethylbenzene	0.54		ug/m3	0.2	0.1	TO-15		8/5/15 06:01	ECB	A
Isopropylbenzene	0.14J	J	ug/m3	0.2	0.1	TO-15		8/5/15 06:01	ECB	A
p-Isopropyltoluene	ND		ug/m3	0.3	0.1	TO-15		8/5/15 06:01	ECB	A
Methyl t-Butyl Ether	ND		ug/m3	0.2	0.08	TO-15		8/5/15 06:01	ECB	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/m3	0.2	0.09	TO-15		8/5/15 06:01	ECB	A
Methylene Chloride	2.1		ug/m3	0.2	0.08	TO-15		8/5/15 06:01	ECB	A
Styrene	0.16J	J	ug/m3	0.2	0.1	TO-15		8/5/15 06:01	ECB	A
1,1,2,2-Tetrachloroethane	ND		ug/m3	0.3	0.2	TO-15		8/5/15 06:01	ECB	A
Tetrachloroethene	0.34		ug/m3	0.3	0.2	TO-15		8/5/15 06:01	ECB	A
Toluene	3.8		ug/m3	0.2	0.09	TO-15		8/5/15 06:01	ECB	A
1,1,1-Trichloroethane	ND		ug/m3	0.3	0.1	TO-15		8/5/15 06:01	ECB	A

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**ANALYTICAL RESULTS**

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774009**

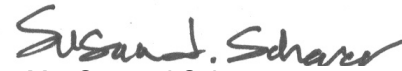
Date Collected: 7/21/2015 12:37

Matrix: Air

Sample ID: **MP-1**

Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
1,1,2-Trichloroethane	ND		ug/m3	0.3	0.1	TO-15		8/5/15 06:01	ECB	A
Trichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 06:01	ECB	A
Trichlorofluoromethane	0.87		ug/m3	0.3	0.1	TO-15		8/5/15 06:01	ECB	A
1,2,4-Trimethylbenzene	0.44		ug/m3	0.2	0.1	TO-15		8/5/15 06:01	ECB	A
1,3,5-Trimethylbenzene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 06:01	ECB	A
Vinyl Chloride	0.090J	J	ug/m3	0.1	0.06	TO-15		8/5/15 06:01	ECB	A
o-Xylene	0.48		ug/m3	0.2	0.1	TO-15		8/5/15 06:01	ECB	A
mp-Xylene	1.5		ug/m3	0.4	0.2	TO-15		8/5/15 06:01	ECB	A



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**ANALYTICAL RESULTS**

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774010**

Date Collected: 7/21/2015 12:31

Matrix: Air

Sample ID: **MP-3**

Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
<b>VOLATILE ORGANICS @ STP</b>										
Acetone	22		ug/m3	0.5	0.2	TO-15		8/6/15 03:01	ECB	A
Acrylonitrile	ND		ug/m3	0.4	0.2	TO-15		8/6/15 03:01	ECB	A
Benzene	0.52J	J	ug/m3	0.6	0.3	TO-15		8/6/15 03:01	ECB	A
Bromodichloromethane	ND		ug/m3	1	0.7	TO-15		8/6/15 03:01	ECB	A
Bromoform	ND		ug/m3	2	1	TO-15		8/6/15 03:01	ECB	A
2-Butanone	55		ug/m3	0.6	0.3	TO-15		8/6/15 03:01	ECB	A
Carbon Tetrachloride	ND		ug/m3	1	0.6	TO-15		8/6/15 03:01	ECB	A
Chlorobenzene	ND		ug/m3	0.9	0.5	TO-15		8/6/15 03:01	ECB	A
Chlorodibromomethane	ND		ug/m3	2	0.8	TO-15		8/6/15 03:01	ECB	A
Chloroethane	ND		ug/m3	0.5	0.3	TO-15		8/6/15 03:01	ECB	A
Chloroform	ND		ug/m3	1	0.5	TO-15		8/6/15 03:01	ECB	A
Chloromethane	6.9		ug/m3	0.4	0.2	TO-15		8/6/15 03:01	ECB	A
1,2-Dibromoethane	ND		ug/m3	2	0.8	TO-15		8/6/15 03:01	ECB	A
1,2-Dichlorobenzene	ND		ug/m3	1	0.6	TO-15		8/6/15 03:01	ECB	A
1,3-Dichlorobenzene	0.90J	J	ug/m3	1	0.6	TO-15		8/6/15 03:01	ECB	A
1,4-Dichlorobenzene	ND		ug/m3	1	0.6	TO-15		8/6/15 03:01	ECB	A
Dichlorodifluoromethane	1.6		ug/m3	1	0.5	TO-15		8/6/15 03:01	ECB	A
1,1-Dichloroethane	ND		ug/m3	0.8	0.4	TO-15		8/6/15 03:01	ECB	A
1,2-Dichloroethane	ND		ug/m3	0.8	0.4	TO-15		8/6/15 03:01	ECB	A
1,1-Dichloroethene	ND		ug/m3	0.8	0.4	TO-15		8/6/15 03:01	ECB	A
cis-1,2-Dichloroethene	ND		ug/m3	0.8	0.4	TO-15		8/6/15 03:01	ECB	A
trans-1,2-Dichloroethene	ND		ug/m3	0.8	0.4	TO-15		8/6/15 03:01	ECB	A
1,2-Dichloropropane	ND		ug/m3	0.9	0.5	TO-15		8/6/15 03:01	ECB	A
cis-1,3-Dichloropropene	ND		ug/m3	0.9	0.4	TO-15		8/6/15 03:01	ECB	A
trans-1,3-Dichloropropene	ND		ug/m3	0.9	0.4	TO-15		8/6/15 03:01	ECB	A
Ethylbenzene	0.59J	J	ug/m3	0.9	0.4	TO-15		8/6/15 03:01	ECB	A
Isopropylbenzene	ND		ug/m3	1	0.5	TO-15		8/6/15 03:01	ECB	A
p-Isopropyltoluene	ND		ug/m3	1	0.6	TO-15		8/6/15 03:01	ECB	A
Methyl t-Butyl Ether	ND		ug/m3	0.7	0.4	TO-15		8/6/15 03:01	ECB	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/m3	0.8	0.4	TO-15		8/6/15 03:01	ECB	A
Methylene Chloride	3.5		ug/m3	0.7	0.4	TO-15		8/6/15 03:01	ECB	A
Styrene	0.46J	J	ug/m3	0.8	0.4	TO-15		8/6/15 03:01	ECB	A
1,1,2,2-Tetrachloroethane	ND		ug/m3	1	0.7	TO-15		8/6/15 03:01	ECB	A
Tetrachloroethene	ND		ug/m3	1	0.7	TO-15		8/6/15 03:01	ECB	A
Toluene	4.5		ug/m3	0.8	0.4	TO-15		8/6/15 03:01	ECB	A
1,1,1-Trichloroethane	ND		ug/m3	1	0.6	TO-15		8/6/15 03:01	ECB	A

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**ANALYTICAL RESULTS**

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774010**

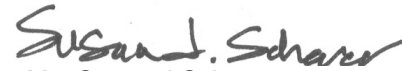
Date Collected: 7/21/2015 12:31

Matrix: Air

Sample ID: **MP-3**

Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
1,1,2-Trichloroethane	ND		ug/m3	1	0.6	TO-15		8/6/15 03:01	ECB	A
Trichloroethene	ND		ug/m3	1	0.5	TO-15		8/6/15 03:01	ECB	A
Trichlorofluoromethane	1.0J	J	ug/m3	1	0.6	TO-15		8/6/15 03:01	ECB	A
1,2,4-Trimethylbenzene	1.1		ug/m3	1	0.5	TO-15		8/6/15 03:01	ECB	A
1,3,5-Trimethylbenzene	ND		ug/m3	1	0.5	TO-15		8/6/15 03:01	ECB	A
Vinyl Chloride	ND		ug/m3	0.5	0.3	TO-15		8/6/15 03:01	ECB	A
o-Xylene	0.59J	J	ug/m3	0.9	0.4	TO-15		8/6/15 03:01	ECB	A
mp-Xylene	1.7J	J	ug/m3	2	0.9	TO-15		8/6/15 03:01	ECB	A



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**ANALYTICAL RESULTS**

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774011**

Date Collected: 7/21/2015 12:45

Matrix: Air

Sample ID: **MP-4**

Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
<b>VOLATILE ORGANICS @ STP</b>										
Acetone	20		ug/m3	2	1	TO-15		8/4/15 10:56	ECB	A
Acrylonitrile	ND		ug/m3	2	1	TO-15		8/4/15 10:56	ECB	A
Benzene	ND		ug/m3	3	2	TO-15		8/4/15 10:56	ECB	A
Bromodichloromethane	ND		ug/m3	7	3	TO-15		8/4/15 10:56	ECB	A
Bromoform	ND		ug/m3	10	5	TO-15		8/4/15 10:56	ECB	A
2-Butanone	170		ug/m3	3	1	TO-15		8/4/15 10:56	ECB	A
Carbon Tetrachloride	ND		ug/m3	6	3	TO-15		8/4/15 10:56	ECB	A
Chlorobenzene	ND		ug/m3	5	2	TO-15		8/4/15 10:56	ECB	A
Chlorodibromomethane	ND		ug/m3	8	4	TO-15		8/4/15 10:56	ECB	A
Chloroethane	ND		ug/m3	3	1	TO-15		8/4/15 10:56	ECB	A
Chloroform	ND		ug/m3	5	2	TO-15		8/4/15 10:56	ECB	A
Chloromethane	ND		ug/m3	2	1	TO-15		8/4/15 10:56	ECB	A
1,2-Dibromoethane	ND		ug/m3	8	4	TO-15		8/4/15 10:56	ECB	A
1,2-Dichlorobenzene	ND		ug/m3	6	3	TO-15		8/4/15 10:56	ECB	A
1,3-Dichlorobenzene	ND		ug/m3	6	3	TO-15		8/4/15 10:56	ECB	A
1,4-Dichlorobenzene	ND		ug/m3	6	3	TO-15		8/4/15 10:56	ECB	A
Dichlorodifluoromethane	ND		ug/m3	5	2	TO-15		8/4/15 10:56	ECB	A
1,1-Dichloroethane	ND		ug/m3	4	2	TO-15		8/4/15 10:56	ECB	A
1,2-Dichloroethane	ND		ug/m3	4	2	TO-15		8/4/15 10:56	ECB	A
1,1-Dichloroethene	ND		ug/m3	4	2	TO-15		8/4/15 10:56	ECB	A
cis-1,2-Dichloroethene	ND		ug/m3	4	2	TO-15		8/4/15 10:56	ECB	A
trans-1,2-Dichloroethene	ND		ug/m3	4	2	TO-15		8/4/15 10:56	ECB	A
1,2-Dichloropropane	ND		ug/m3	5	2	TO-15		8/4/15 10:56	ECB	A
cis-1,3-Dichloropropene	ND		ug/m3	5	2	TO-15		8/4/15 10:56	ECB	A
trans-1,3-Dichloropropene	ND		ug/m3	5	2	TO-15		8/4/15 10:56	ECB	A
Ethylbenzene	ND		ug/m3	4	2	TO-15		8/4/15 10:56	ECB	A
Isopropylbenzene	ND		ug/m3	5	2	TO-15		8/4/15 10:56	ECB	A
p-Isopropyltoluene	ND		ug/m3	6	3	TO-15		8/4/15 10:56	ECB	A
Methyl t-Butyl Ether	ND		ug/m3	4	2	TO-15		8/4/15 10:56	ECB	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/m3	4	2	TO-15		8/4/15 10:56	ECB	A
Methylene Chloride	3.1J	J	ug/m3	3	2	TO-15		8/4/15 10:56	ECB	A
Styrene	ND		ug/m3	4	2	TO-15		8/4/15 10:56	ECB	A
1,1,2,2-Tetrachloroethane	ND		ug/m3	7	3	TO-15		8/4/15 10:56	ECB	A
Tetrachloroethene	ND		ug/m3	7	3	TO-15		8/4/15 10:56	ECB	A
Toluene	ND		ug/m3	4	2	TO-15		8/4/15 10:56	ECB	A
1,1,1-Trichloroethane	ND		ug/m3	5	3	TO-15		8/4/15 10:56	ECB	A

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**ANALYTICAL RESULTS**

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774011**

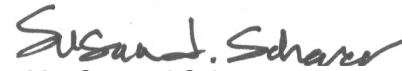
Date Collected: 7/21/2015 12:45

Matrix: Air

Sample ID: **MP-4**

Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
1,1,2-Trichloroethane	ND		ug/m3	5	3	TO-15		8/4/15 10:56	ECB	A
Trichloroethene	15		ug/m3	5	3	TO-15		8/4/15 10:56	ECB	A
Trichlorofluoromethane	19		ug/m3	6	3	TO-15		8/4/15 10:56	ECB	A
1,2,4-Trimethylbenzene	ND		ug/m3	5	2	TO-15		8/4/15 10:56	ECB	A
1,3,5-Trimethylbenzene	ND		ug/m3	5	2	TO-15		8/4/15 10:56	ECB	A
Vinyl Chloride	ND		ug/m3	3	1	TO-15		8/4/15 10:56	ECB	A
o-Xylene	ND		ug/m3	4	2	TO-15		8/4/15 10:56	ECB	A
mp-Xylene	ND		ug/m3	9	4	TO-15		8/4/15 10:56	ECB	A



Ms. Susan J Scherer

Project Coordinator

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**ANALYTICAL RESULTS**

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774012**

Date Collected: 7/21/2015 12:45

Matrix: Air

Sample ID: **MP-6**

Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
<b>VOLATILE ORGANICS @ STP</b>										
Acetone	9.2		ug/m3	0.1	0.07	TO-15		8/5/15 08:50	ECB	A
Acrylonitrile	ND		ug/m3	0.1	0.06	TO-15		8/5/15 08:50	ECB	A
Benzene	0.29		ug/m3	0.2	0.09	TO-15		8/5/15 08:50	ECB	A
Bromodichloromethane	ND		ug/m3	0.4	0.2	TO-15		8/5/15 08:50	ECB	A
Bromoform	ND		ug/m3	0.6	0.3	TO-15		8/5/15 08:50	ECB	A
2-Butanone	21		ug/m3	0.2	0.08	TO-15		8/5/15 08:50	ECB	A
Carbon Tetrachloride	0.28J	J	ug/m3	0.4	0.2	TO-15		8/5/15 08:50	ECB	A
Chlorobenzene	ND		ug/m3	0.3	0.1	TO-15		8/5/15 08:50	ECB	A
Chlorodibromomethane	ND		ug/m3	0.5	0.2	TO-15		8/5/15 08:50	ECB	A
Chloroethane	0.21		ug/m3	0.1	0.07	TO-15		8/5/15 08:50	ECB	A
Chloroform	0.21J	J	ug/m3	0.3	0.1	TO-15		8/5/15 08:50	ECB	A
Chloromethane	2.6		ug/m3	0.1	0.06	TO-15		8/5/15 08:50	ECB	A
1,2-Dibromoethane	ND		ug/m3	0.4	0.2	TO-15		8/5/15 08:50	ECB	A
1,2-Dichlorobenzene	ND		ug/m3	0.3	0.2	TO-15		8/5/15 08:50	ECB	A
1,3-Dichlorobenzene	0.30J	J	ug/m3	0.3	0.2	TO-15		8/5/15 08:50	ECB	A
1,4-Dichlorobenzene	ND		ug/m3	0.3	0.2	TO-15		8/5/15 08:50	ECB	A
Dichlorodifluoromethane	0.91		ug/m3	0.3	0.1	TO-15		8/5/15 08:50	ECB	A
1,1-Dichloroethane	ND		ug/m3	0.2	0.1	TO-15		8/5/15 08:50	ECB	A
1,2-Dichloroethane	ND		ug/m3	0.2	0.1	TO-15		8/5/15 08:50	ECB	A
1,1-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 08:50	ECB	A
cis-1,2-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 08:50	ECB	A
trans-1,2-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 08:50	ECB	A
1,2-Dichloropropane	ND		ug/m3	0.3	0.1	TO-15		8/5/15 08:50	ECB	A
cis-1,3-Dichloropropene	ND		ug/m3	0.3	0.1	TO-15		8/5/15 08:50	ECB	A
trans-1,3-Dichloropropene	ND		ug/m3	0.3	0.1	TO-15		8/5/15 08:50	ECB	A
Ethylbenzene	0.56		ug/m3	0.2	0.1	TO-15		8/5/15 08:50	ECB	A
Isopropylbenzene	0.19J	J	ug/m3	0.3	0.1	TO-15		8/5/15 08:50	ECB	A
p-Isopropyltoluene	0.16J	J	ug/m3	0.3	0.2	TO-15		8/5/15 08:50	ECB	A
Methyl t-Butyl Ether	ND		ug/m3	0.2	0.1	TO-15		8/5/15 08:50	ECB	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/m3	0.2	0.1	TO-15		8/5/15 08:50	ECB	A
Methylene Chloride	1.5		ug/m3	0.2	0.1	TO-15		8/5/15 08:50	ECB	A
Styrene	0.23J	J	ug/m3	0.2	0.1	TO-15		8/5/15 08:50	ECB	A
1,1,2,2-Tetrachloroethane	ND		ug/m3	0.4	0.2	TO-15		8/5/15 08:50	ECB	A
Tetrachloroethene	3.2		ug/m3	0.4	0.2	TO-15		8/5/15 08:50	ECB	A
Toluene	2.0		ug/m3	0.2	0.1	TO-15		8/5/15 08:50	ECB	A
1,1,1-Trichloroethane	0.27J	J	ug/m3	0.3	0.2	TO-15		8/5/15 08:50	ECB	A

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### ANALYTICAL RESULTS

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774012**

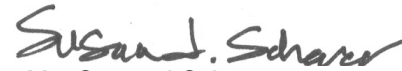
Date Collected: 7/21/2015 12:45

Matrix: Air

Sample ID: **MP-6**

Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
1,1,2-Trichloroethane	ND		ug/m3	0.3	0.2	TO-15		8/5/15 08:50	ECB	A
Trichloroethene	3.1		ug/m3	0.3	0.2	TO-15		8/5/15 08:50	ECB	A
Trichlorofluoromethane	3.2		ug/m3	0.3	0.2	TO-15		8/5/15 08:50	ECB	A
1,2,4-Trimethylbenzene	0.89		ug/m3	0.3	0.1	TO-15		8/5/15 08:50	ECB	A
1,3,5-Trimethylbenzene	ND		ug/m3	0.3	0.1	TO-15		8/5/15 08:50	ECB	A
Vinyl Chloride	0.097J	J	ug/m3	0.1	0.07	TO-15		8/5/15 08:50	ECB	A
o-Xylene	0.53		ug/m3	0.2	0.1	TO-15		8/5/15 08:50	ECB	A
mp-Xylene	1.9		ug/m3	0.5	0.2	TO-15		8/5/15 08:50	ECB	A



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Project Coordinator

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**ANALYTICAL RESULTS**

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774013**

Date Collected: 7/21/2015 10:49

Matrix: Air

Sample ID: **IMP-1**

Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
<b>VOLATILE ORGANICS @ STP</b>										
Acetone	42		ug/m3	10	5	TO-15		8/4/15 05:29	ECB	A
Acrylonitrile	ND		ug/m3	0.1	0.06	TO-15		8/5/15 10:09	ECB	A
Benzene	0.29		ug/m3	0.2	0.08	TO-15		8/5/15 10:09	ECB	A
Bromodichloromethane	ND		ug/m3	0.3	0.2	TO-15		8/5/15 10:09	ECB	A
Bromoform	ND		ug/m3	0.5	0.3	TO-15		8/5/15 10:09	ECB	A
2-Butanone	20		ug/m3	0.1	0.07	TO-15		8/5/15 10:09	ECB	A
Carbon Tetrachloride	0.25J	J	ug/m3	0.3	0.2	TO-15		8/5/15 10:09	ECB	A
Chlorobenzene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 10:09	ECB	A
Chlorodibromomethane	ND		ug/m3	0.4	0.2	TO-15		8/5/15 10:09	ECB	A
Chloroethane	ND		ug/m3	0.1	0.06	TO-15		8/5/15 10:09	ECB	A
Chloroform	0.14J	J	ug/m3	0.2	0.1	TO-15		8/5/15 10:09	ECB	A
Chloromethane	0.11		ug/m3	0.1	0.05	TO-15		8/5/15 10:09	ECB	A
1,2-Dibromoethane	ND		ug/m3	0.4	0.2	TO-15		8/5/15 10:09	ECB	A
1,2-Dichlorobenzene	ND		ug/m3	0.3	0.2	TO-15		8/5/15 10:09	ECB	A
1,3-Dichlorobenzene	ND		ug/m3	0.3	0.2	TO-15		8/5/15 10:09	ECB	A
1,4-Dichlorobenzene	ND		ug/m3	0.3	0.2	TO-15		8/5/15 10:09	ECB	A
Dichlorodifluoromethane	0.74		ug/m3	0.2	0.1	TO-15		8/5/15 10:09	ECB	A
1,1-Dichloroethane	ND		ug/m3	0.2	0.1	TO-15		8/5/15 10:09	ECB	A
1,2-Dichloroethane	0.22		ug/m3	0.2	0.1	TO-15		8/5/15 10:09	ECB	A
1,1-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 10:09	ECB	A
cis-1,2-Dichloroethene	0.11J	J	ug/m3	0.2	0.1	TO-15		8/5/15 10:09	ECB	A
trans-1,2-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 10:09	ECB	A
1,2-Dichloropropane	ND		ug/m3	0.2	0.1	TO-15		8/5/15 10:09	ECB	A
cis-1,3-Dichloropropene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 10:09	ECB	A
trans-1,3-Dichloropropene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 10:09	ECB	A
Ethylbenzene	0.65		ug/m3	0.2	0.1	TO-15		8/5/15 10:09	ECB	A
Isopropylbenzene	0.21J	J	ug/m3	0.2	0.1	TO-15		8/5/15 10:09	ECB	A
p-Isopropyltoluene	0.15J	J	ug/m3	0.3	0.1	TO-15		8/5/15 10:09	ECB	A
Methyl t-Butyl Ether	ND		ug/m3	0.2	0.09	TO-15		8/5/15 10:09	ECB	A
4-Methyl-2-Pentanone(MIBK)	1.4		ug/m3	0.2	0.1	TO-15		8/5/15 10:09	ECB	A
Methylene Chloride	1.7		ug/m3	0.2	0.09	TO-15		8/5/15 10:09	ECB	A
Styrene	1.3		ug/m3	0.2	0.1	TO-15		8/5/15 10:09	ECB	A
1,1,2,2-Tetrachloroethane	ND		ug/m3	0.3	0.2	TO-15		8/5/15 10:09	ECB	A
Tetrachloroethene	0.44		ug/m3	0.3	0.2	TO-15		8/5/15 10:09	ECB	A
Toluene	5.4		ug/m3	0.2	0.1	TO-15		8/5/15 10:09	ECB	A
1,1,1-Trichloroethane	ND		ug/m3	0.3	0.1	TO-15		8/5/15 10:09	ECB	A

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### ANALYTICAL RESULTS

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774013**

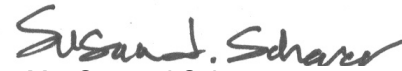
Date Collected: 7/21/2015 10:49

Matrix: Air

Sample ID: **IMP-1**

Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
1,1,2-Trichloroethane	ND		ug/m3	0.3	0.1	TO-15		8/5/15 10:09	ECB	A
Trichloroethene	0.99		ug/m3	0.3	0.1	TO-15		8/5/15 10:09	ECB	A
Trichlorofluoromethane	0.98		ug/m3	0.3	0.1	TO-15		8/5/15 10:09	ECB	A
1,2,4-Trimethylbenzene	0.47		ug/m3	0.2	0.1	TO-15		8/5/15 10:09	ECB	A
1,3,5-Trimethylbenzene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 10:09	ECB	A
Vinyl Chloride	0.096J	J	ug/m3	0.1	0.06	TO-15		8/5/15 10:09	ECB	A
o-Xylene	0.54		ug/m3	0.2	0.1	TO-15		8/5/15 10:09	ECB	A
mp-Xylene	1.8		ug/m3	0.4	0.2	TO-15		8/5/15 10:09	ECB	A



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**ANALYTICAL RESULTS**

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774014**

Date Collected: 7/21/2015 11:03

Matrix: Air

Sample ID: **IMP-2**

Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
<b>VOLATILE ORGANICS @ STP</b>										
Acetone	11		ug/m3	0.1	0.06	TO-15		8/5/15 11:29	ECB	A
Acrylonitrile	ND		ug/m3	0.1	0.06	TO-15		8/5/15 11:29	ECB	A
Benzene	0.41		ug/m3	0.2	0.09	TO-15		8/5/15 11:29	ECB	A
Bromodichloromethane	ND		ug/m3	0.4	0.2	TO-15		8/5/15 11:29	ECB	A
Bromoform	ND		ug/m3	0.6	0.3	TO-15		8/5/15 11:29	ECB	A
2-Butanone	2.2		ug/m3	0.2	0.08	TO-15		8/5/15 11:29	ECB	A
Carbon Tetrachloride	0.24J	J	ug/m3	0.3	0.2	TO-15		8/5/15 11:29	ECB	A
Chlorobenzene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 11:29	ECB	A
Chlorodibromomethane	ND		ug/m3	0.5	0.2	TO-15		8/5/15 11:29	ECB	A
Chloroethane	ND		ug/m3	0.1	0.07	TO-15		8/5/15 11:29	ECB	A
Chloroform	0.17J	J	ug/m3	0.3	0.1	TO-15		8/5/15 11:29	ECB	A
Chloromethane	ND		ug/m3	0.1	0.06	TO-15		8/5/15 11:29	ECB	A
1,2-Dibromoethane	ND		ug/m3	0.4	0.2	TO-15		8/5/15 11:29	ECB	A
1,2-Dichlorobenzene	0.84		ug/m3	0.3	0.2	TO-15		8/5/15 11:29	ECB	A
1,3-Dichlorobenzene	ND		ug/m3	0.3	0.2	TO-15		8/5/15 11:29	ECB	A
1,4-Dichlorobenzene	ND		ug/m3	0.3	0.2	TO-15		8/5/15 11:29	ECB	A
Dichlorodifluoromethane	0.72		ug/m3	0.3	0.1	TO-15		8/5/15 11:29	ECB	A
1,1-Dichloroethane	ND		ug/m3	0.2	0.1	TO-15		8/5/15 11:29	ECB	A
1,2-Dichloroethane	0.86		ug/m3	0.2	0.1	TO-15		8/5/15 11:29	ECB	A
1,1-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 11:29	ECB	A
cis-1,2-Dichloroethene	1.7		ug/m3	0.2	0.1	TO-15		8/5/15 11:29	ECB	A
trans-1,2-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 11:29	ECB	A
1,2-Dichloropropane	ND		ug/m3	0.2	0.1	TO-15		8/5/15 11:29	ECB	A
cis-1,3-Dichloropropene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 11:29	ECB	A
trans-1,3-Dichloropropene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 11:29	ECB	A
Ethylbenzene	0.90		ug/m3	0.2	0.1	TO-15		8/5/15 11:29	ECB	A
Isopropylbenzene	0.20J	J	ug/m3	0.3	0.1	TO-15		8/5/15 11:29	ECB	A
p-Isopropyltoluene	ND		ug/m3	0.3	0.1	TO-15		8/5/15 11:29	ECB	A
Methyl t-Butyl Ether	ND		ug/m3	0.2	0.1	TO-15		8/5/15 11:29	ECB	A
4-Methyl-2-Pentanone(MIBK)	2.7		ug/m3	0.2	0.1	TO-15		8/5/15 11:29	ECB	A
Methylene Chloride	2.4		ug/m3	0.2	0.09	TO-15		8/5/15 11:29	ECB	A
Styrene	2.9		ug/m3	0.2	0.1	TO-15		8/5/15 11:29	ECB	A
1,1,2,2-Tetrachloroethane	ND		ug/m3	0.4	0.2	TO-15		8/5/15 11:29	ECB	A
Tetrachloroethene	4.0		ug/m3	0.4	0.2	TO-15		8/5/15 11:29	ECB	A
Toluene	7.6		ug/m3	0.2	0.1	TO-15		8/5/15 11:29	ECB	A
1,1,1-Trichloroethane	ND		ug/m3	0.3	0.1	TO-15		8/5/15 11:29	ECB	A

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**ANALYTICAL RESULTS**

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774014**

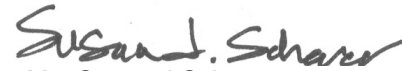
Date Collected: 7/21/2015 11:03

Matrix: Air

Sample ID: **IMP-2**

Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
1,1,2-Trichloroethane	ND		ug/m3	0.3	0.1	TO-15		8/5/15 11:29	ECB	A
Trichloroethene	24		ug/m3	0.3	0.1	TO-15		8/5/15 11:29	ECB	A
Trichlorofluoromethane	2.9		ug/m3	0.3	0.2	TO-15		8/5/15 11:29	ECB	A
1,2,4-Trimethylbenzene	0.66		ug/m3	0.3	0.1	TO-15		8/5/15 11:29	ECB	A
1,3,5-Trimethylbenzene	0.14J	J	ug/m3	0.3	0.1	TO-15		8/5/15 11:29	ECB	A
Vinyl Chloride	ND		ug/m3	0.1	0.07	TO-15		8/5/15 11:29	ECB	A
o-Xylene	0.73		ug/m3	0.2	0.1	TO-15		8/5/15 11:29	ECB	A
mp-Xylene	2.3		ug/m3	0.5	0.2	TO-15		8/5/15 11:29	ECB	A



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**ANALYTICAL RESULTS**

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774015** Date Collected: 7/21/2015 09:45 Matrix: Air  
Sample ID: **Rooftop Fan 1** Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
<b>VOLATILE ORGANICS @ STP</b>										
Acetone	14		ug/m3	0.1	0.06	TO-15		8/6/15 04:20	ECB	A
Acrylonitrile	ND		ug/m3	0.1	0.06	TO-15		8/6/15 04:20	ECB	A
Benzene	0.45		ug/m3	0.2	0.09	TO-15		8/6/15 04:20	ECB	A
Bromodichloromethane	ND		ug/m3	0.4	0.2	TO-15		8/6/15 04:20	ECB	A
Bromoform	ND		ug/m3	0.6	0.3	TO-15		8/6/15 04:20	ECB	A
2-Butanone	1.4		ug/m3	0.2	0.08	TO-15		8/6/15 04:20	ECB	A
Carbon Tetrachloride	0.29J	J	ug/m3	0.3	0.2	TO-15		8/6/15 04:20	ECB	A
Chlorobenzene	ND		ug/m3	0.2	0.1	TO-15		8/6/15 04:20	ECB	A
Chlorodibromomethane	ND		ug/m3	0.5	0.2	TO-15		8/6/15 04:20	ECB	A
Chloroethane	ND		ug/m3	0.1	0.07	TO-15		8/6/15 04:20	ECB	A
Chloroform	0.23J	J	ug/m3	0.3	0.1	TO-15		8/6/15 04:20	ECB	A
Chloromethane	7.3		ug/m3	0.1	0.06	TO-15		8/6/15 04:20	ECB	A
1,2-Dibromoethane	ND		ug/m3	0.4	0.2	TO-15		8/6/15 04:20	ECB	A
1,2-Dichlorobenzene	ND		ug/m3	0.3	0.2	TO-15		8/6/15 04:20	ECB	A
1,3-Dichlorobenzene	0.26J	J	ug/m3	0.3	0.2	TO-15		8/6/15 04:20	ECB	A
1,4-Dichlorobenzene	ND		ug/m3	0.3	0.2	TO-15		8/6/15 04:20	ECB	A
Dichlorodifluoromethane	0.94		ug/m3	0.3	0.1	TO-15		8/6/15 04:20	ECB	A
1,1-Dichloroethane	ND		ug/m3	0.2	0.1	TO-15		8/6/15 04:20	ECB	A
1,2-Dichloroethane	ND		ug/m3	0.2	0.1	TO-15		8/6/15 04:20	ECB	A
1,1-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/6/15 04:20	ECB	A
cis-1,2-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/6/15 04:20	ECB	A
trans-1,2-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/6/15 04:20	ECB	A
1,2-Dichloropropane	0.28		ug/m3	0.2	0.1	TO-15		8/6/15 04:20	ECB	A
cis-1,3-Dichloropropene	ND		ug/m3	0.2	0.1	TO-15		8/6/15 04:20	ECB	A
trans-1,3-Dichloropropene	ND		ug/m3	0.2	0.1	TO-15		8/6/15 04:20	ECB	A
Ethylbenzene	0.73		ug/m3	0.2	0.1	TO-15		8/6/15 04:20	ECB	A
Isopropylbenzene	ND		ug/m3	0.3	0.1	TO-15		8/6/15 04:20	ECB	A
p-Isopropyltoluene	ND		ug/m3	0.3	0.1	TO-15		8/6/15 04:20	ECB	A
Methyl t-Butyl Ether	ND		ug/m3	0.2	0.1	TO-15		8/6/15 04:20	ECB	A
4-Methyl-2-Pentanone(MIBK)	0.37		ug/m3	0.2	0.1	TO-15		8/6/15 04:20	ECB	A
Methylene Chloride	1.1		ug/m3	0.2	0.09	TO-15		8/6/15 04:20	ECB	A
Styrene	0.40		ug/m3	0.2	0.1	TO-15		8/6/15 04:20	ECB	A
1,1,2,2-Tetrachloroethane	ND		ug/m3	0.4	0.2	TO-15		8/6/15 04:20	ECB	A
Tetrachloroethene	14		ug/m3	0.4	0.2	TO-15		8/6/15 04:20	ECB	A
Toluene	3.2		ug/m3	0.2	0.1	TO-15		8/6/15 04:20	ECB	A
1,1,1-Trichloroethane	0.81		ug/m3	0.3	0.1	TO-15		8/6/15 04:20	ECB	A

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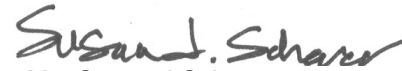
### ANALYTICAL RESULTS

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774015**  
Sample ID: **Rooftop Fan 1**

Date Collected: 7/21/2015 09:45 Matrix: Air  
Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
1,1,2-Trichloroethane	ND		ug/m3	0.3	0.1	TO-15		8/6/15 04:20	ECB	A
Trichloroethene	46		ug/m3	0.3	0.1	TO-15		8/6/15 04:20	ECB	A
Trichlorofluoromethane	19		ug/m3	0.3	0.2	TO-15		8/6/15 04:20	ECB	A
1,2,4-Trimethylbenzene	0.67		ug/m3	0.3	0.1	TO-15		8/6/15 04:20	ECB	A
1,3,5-Trimethylbenzene	ND		ug/m3	0.3	0.1	TO-15		8/6/15 04:20	ECB	A
Vinyl Chloride	ND		ug/m3	0.1	0.07	TO-15		8/6/15 04:20	ECB	A
o-Xylene	0.68		ug/m3	0.2	0.1	TO-15		8/6/15 04:20	ECB	A
mp-Xylene	2.1		ug/m3	0.5	0.2	TO-15		8/6/15 04:20	ECB	A



Ms. Susan J Scherer  
Project Coordinator

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**ANALYTICAL RESULTS**

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774016** Date Collected: 7/21/2015 09:35 Matrix: Air  
Sample ID: **Rooftop Fan 2** Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
<b>VOLATILE ORGANICS @ STP</b>										
Acetone	11		ug/m3	0.1	0.06	TO-15		8/6/15 05:39	ECB	A
Acrylonitrile	ND		ug/m3	0.1	0.06	TO-15		8/6/15 05:39	ECB	A
Benzene	0.48		ug/m3	0.2	0.09	TO-15		8/6/15 05:39	ECB	A
Bromodichloromethane	ND		ug/m3	0.4	0.2	TO-15		8/6/15 05:39	ECB	A
Bromoform	ND		ug/m3	0.6	0.3	TO-15		8/6/15 05:39	ECB	A
2-Butanone	0.99		ug/m3	0.2	0.08	TO-15		8/6/15 05:39	ECB	A
Carbon Tetrachloride	0.27J	J	ug/m3	0.3	0.2	TO-15		8/6/15 05:39	ECB	A
Chlorobenzene	ND		ug/m3	0.2	0.1	TO-15		8/6/15 05:39	ECB	A
Chlorodibromomethane	ND		ug/m3	0.5	0.2	TO-15		8/6/15 05:39	ECB	A
Chloroethane	ND		ug/m3	0.1	0.07	TO-15		8/6/15 05:39	ECB	A
Chloroform	0.63		ug/m3	0.3	0.1	TO-15		8/6/15 05:39	ECB	A
Chloromethane	7.1		ug/m3	0.1	0.06	TO-15		8/6/15 05:39	ECB	A
1,2-Dibromoethane	ND		ug/m3	0.4	0.2	TO-15		8/6/15 05:39	ECB	A
1,2-Dichlorobenzene	ND		ug/m3	0.3	0.2	TO-15		8/6/15 05:39	ECB	A
1,3-Dichlorobenzene	ND		ug/m3	0.3	0.2	TO-15		8/6/15 05:39	ECB	A
1,4-Dichlorobenzene	ND		ug/m3	0.3	0.2	TO-15		8/6/15 05:39	ECB	A
Dichlorodifluoromethane	0.87		ug/m3	0.3	0.1	TO-15		8/6/15 05:39	ECB	A
1,1-Dichloroethane	ND		ug/m3	0.2	0.1	TO-15		8/6/15 05:39	ECB	A
1,2-Dichloroethane	ND		ug/m3	0.2	0.1	TO-15		8/6/15 05:39	ECB	A
1,1-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/6/15 05:39	ECB	A
cis-1,2-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/6/15 05:39	ECB	A
trans-1,2-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/6/15 05:39	ECB	A
1,2-Dichloropropane	ND		ug/m3	0.2	0.1	TO-15		8/6/15 05:39	ECB	A
cis-1,3-Dichloropropene	ND		ug/m3	0.2	0.1	TO-15		8/6/15 05:39	ECB	A
trans-1,3-Dichloropropene	ND		ug/m3	0.2	0.1	TO-15		8/6/15 05:39	ECB	A
Ethylbenzene	0.56		ug/m3	0.2	0.1	TO-15		8/6/15 05:39	ECB	A
Isopropylbenzene	0.18J	J	ug/m3	0.3	0.1	TO-15		8/6/15 05:39	ECB	A
p-Isopropyltoluene	ND		ug/m3	0.3	0.1	TO-15		8/6/15 05:39	ECB	A
Methyl t-Butyl Ether	0.64		ug/m3	0.2	0.1	TO-15		8/6/15 05:39	ECB	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/m3	0.2	0.1	TO-15		8/6/15 05:39	ECB	A
Methylene Chloride	46		ug/m3	7	4	TO-15		8/5/15 21:53	ECB	A
Styrene	0.28		ug/m3	0.2	0.1	TO-15		8/6/15 05:39	ECB	A
1,1,2,2-Tetrachloroethane	ND		ug/m3	0.4	0.2	TO-15		8/6/15 05:39	ECB	A
Tetrachloroethene	5.5		ug/m3	0.4	0.2	TO-15		8/6/15 05:39	ECB	A
Toluene	3.0		ug/m3	0.2	0.1	TO-15		8/6/15 05:39	ECB	A
1,1,1-Trichloroethane	0.34		ug/m3	0.3	0.1	TO-15		8/6/15 05:39	ECB	A

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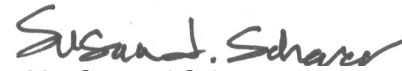
**ANALYTICAL RESULTS**

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774016**  
Sample ID: **Rooftop Fan 2**

Date Collected: 7/21/2015 09:35 Matrix: Air  
Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
1,1,2-Trichloroethane	ND		ug/m3	0.3	0.1	TO-15		8/6/15 05:39	ECB	A
Trichloroethene	40		ug/m3	0.3	0.1	TO-15		8/6/15 05:39	ECB	A
Trichlorofluoromethane	35		ug/m3	0.3	0.2	TO-15		8/6/15 05:39	ECB	A
1,2,4-Trimethylbenzene	0.54		ug/m3	0.3	0.1	TO-15		8/6/15 05:39	ECB	A
1,3,5-Trimethylbenzene	ND		ug/m3	0.3	0.1	TO-15		8/6/15 05:39	ECB	A
Vinyl Chloride	ND		ug/m3	0.1	0.07	TO-15		8/6/15 05:39	ECB	A
o-Xylene	0.47		ug/m3	0.2	0.1	TO-15		8/6/15 05:39	ECB	A
mp-Xylene	1.7		ug/m3	0.5	0.2	TO-15		8/6/15 05:39	ECB	A



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Project Coordinator

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**ANALYTICAL RESULTS**

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774017** Date Collected: 7/21/2015 10:04 Matrix: Air  
Sample ID: **Rooftop Fan 3** Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
<b>VOLATILE ORGANICS @ STP</b>										
Acetone	6.0		ug/m3	0.1	0.07	TO-15		8/6/15 06:58	ECB	A
Acrylonitrile	ND		ug/m3	0.1	0.06	TO-15		8/6/15 06:58	ECB	A
Benzene	0.23		ug/m3	0.2	0.09	TO-15		8/6/15 06:58	ECB	A
Bromodichloromethane	ND		ug/m3	0.4	0.2	TO-15		8/6/15 06:58	ECB	A
Bromoform	ND		ug/m3	0.6	0.3	TO-15		8/6/15 06:58	ECB	A
2-Butanone	0.35		ug/m3	0.2	0.08	TO-15		8/6/15 06:58	ECB	A
Carbon Tetrachloride	0.27J	J	ug/m3	0.4	0.2	TO-15		8/6/15 06:58	ECB	A
Chlorobenzene	ND		ug/m3	0.3	0.1	TO-15		8/6/15 06:58	ECB	A
Chlorodibromomethane	ND		ug/m3	0.5	0.2	TO-15		8/6/15 06:58	ECB	A
Chloroethane	ND		ug/m3	0.1	0.07	TO-15		8/6/15 06:58	ECB	A
Chloroform	0.55		ug/m3	0.3	0.1	TO-15		8/6/15 06:58	ECB	A
Chloromethane	7.5		ug/m3	0.1	0.06	TO-15		8/6/15 06:58	ECB	A
1,2-Dibromoethane	ND		ug/m3	0.4	0.2	TO-15		8/6/15 06:58	ECB	A
1,2-Dichlorobenzene	0.27J	J	ug/m3	0.3	0.2	TO-15		8/6/15 06:58	ECB	A
1,3-Dichlorobenzene	0.47		ug/m3	0.3	0.2	TO-15		8/6/15 06:58	ECB	A
1,4-Dichlorobenzene	0.44		ug/m3	0.3	0.2	TO-15		8/6/15 06:58	ECB	A
Dichlorodifluoromethane	0.85		ug/m3	0.3	0.1	TO-15		8/6/15 06:58	ECB	A
1,1-Dichloroethane	ND		ug/m3	0.2	0.1	TO-15		8/6/15 06:58	ECB	A
1,2-Dichloroethane	ND		ug/m3	0.2	0.1	TO-15		8/6/15 06:58	ECB	A
1,1-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/6/15 06:58	ECB	A
cis-1,2-Dichloroethene	0.19J	J	ug/m3	0.2	0.1	TO-15		8/6/15 06:58	ECB	A
trans-1,2-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/6/15 06:58	ECB	A
1,2-Dichloropropane	ND		ug/m3	0.3	0.1	TO-15		8/6/15 06:58	ECB	A
cis-1,3-Dichloropropene	ND		ug/m3	0.3	0.1	TO-15		8/6/15 06:58	ECB	A
trans-1,3-Dichloropropene	ND		ug/m3	0.3	0.1	TO-15		8/6/15 06:58	ECB	A
Ethylbenzene	0.39		ug/m3	0.2	0.1	TO-15		8/6/15 06:58	ECB	A
Isopropylbenzene	ND		ug/m3	0.3	0.1	TO-15		8/6/15 06:58	ECB	A
p-Isopropyltoluene	0.18J	J	ug/m3	0.3	0.2	TO-15		8/6/15 06:58	ECB	A
Methyl t-Butyl Ether	ND		ug/m3	0.2	0.1	TO-15		8/6/15 06:58	ECB	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/m3	0.2	0.1	TO-15		8/6/15 06:58	ECB	A
Methylene Chloride	1.4		ug/m3	0.2	0.1	TO-15		8/6/15 06:58	ECB	A
Styrene	0.20J	J	ug/m3	0.2	0.1	TO-15		8/6/15 06:58	ECB	A
1,1,2,2-Tetrachloroethane	ND		ug/m3	0.4	0.2	TO-15		8/6/15 06:58	ECB	A
Tetrachloroethene	56		ug/m3	0.4	0.2	TO-15		8/6/15 06:58	ECB	A
Toluene	1.5		ug/m3	0.2	0.1	TO-15		8/6/15 06:58	ECB	A
1,1,1-Trichloroethane	0.45		ug/m3	0.3	0.2	TO-15		8/6/15 06:58	ECB	A

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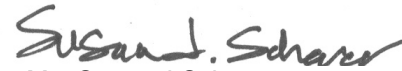
### ANALYTICAL RESULTS

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774017**  
Sample ID: **Rooftop Fan 3**

Date Collected: 7/21/2015 10:04 Matrix: Air  
Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
1,1,2-Trichloroethane	ND		ug/m3	0.3	0.2	TO-15		8/6/15 06:58	ECB	A
Trichloroethene	27		ug/m3	0.3	0.2	TO-15		8/6/15 06:58	ECB	A
Trichlorofluoromethane	5.8		ug/m3	0.3	0.2	TO-15		8/6/15 06:58	ECB	A
1,2,4-Trimethylbenzene	0.70		ug/m3	0.3	0.1	TO-15		8/6/15 06:58	ECB	A
1,3,5-Trimethylbenzene	0.16J	J	ug/m3	0.3	0.1	TO-15		8/6/15 06:58	ECB	A
Vinyl Chloride	ND		ug/m3	0.1	0.07	TO-15		8/6/15 06:58	ECB	A
o-Xylene	0.32		ug/m3	0.2	0.1	TO-15		8/6/15 06:58	ECB	A
mp-Xylene	1.2		ug/m3	0.5	0.2	TO-15		8/6/15 06:58	ECB	A



Ms. Susan J Scherer  
Project Coordinator

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**ANALYTICAL RESULTS**

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774018** Date Collected: 7/21/2015 12:15 Matrix: Air  
Sample ID: **Ambient Outdoor Air** Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
<b>VOLATILE ORGANICS @ STP</b>										
Acetone	13		ug/m3	0.1	0.07	TO-15		8/5/15 23:57	ECB	A
Acrylonitrile	ND		ug/m3	0.1	0.06	TO-15		8/5/15 23:57	ECB	A
Benzene	0.35		ug/m3	0.2	0.09	TO-15		8/5/15 23:57	ECB	A
Bromodichloromethane	ND		ug/m3	0.4	0.2	TO-15		8/5/15 23:57	ECB	A
Bromoform	ND		ug/m3	0.6	0.3	TO-15		8/5/15 23:57	ECB	A
2-Butanone	1.2		ug/m3	0.2	0.08	TO-15		8/5/15 23:57	ECB	A
Carbon Tetrachloride	0.30J	J	ug/m3	0.4	0.2	TO-15		8/5/15 23:57	ECB	A
Chlorobenzene	ND		ug/m3	0.3	0.1	TO-15		8/5/15 23:57	ECB	A
Chlorodibromomethane	ND		ug/m3	0.5	0.2	TO-15		8/5/15 23:57	ECB	A
Chloroethane	ND		ug/m3	0.1	0.07	TO-15		8/5/15 23:57	ECB	A
Chloroform	0.16J	J	ug/m3	0.3	0.1	TO-15		8/5/15 23:57	ECB	A
Chloromethane	0.77		ug/m3	0.1	0.06	TO-15		8/5/15 23:57	ECB	A
1,2-Dibromoethane	ND		ug/m3	0.4	0.2	TO-15		8/5/15 23:57	ECB	A
1,2-Dichlorobenzene	ND		ug/m3	0.3	0.2	TO-15		8/5/15 23:57	ECB	A
1,3-Dichlorobenzene	ND		ug/m3	0.3	0.2	TO-15		8/5/15 23:57	ECB	A
1,4-Dichlorobenzene	ND		ug/m3	0.3	0.2	TO-15		8/5/15 23:57	ECB	A
Dichlorodifluoromethane	0.98		ug/m3	0.3	0.1	TO-15		8/5/15 23:57	ECB	A
1,1-Dichloroethane	ND		ug/m3	0.2	0.1	TO-15		8/5/15 23:57	ECB	A
1,2-Dichloroethane	ND		ug/m3	0.2	0.1	TO-15		8/5/15 23:57	ECB	A
1,1-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 23:57	ECB	A
cis-1,2-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 23:57	ECB	A
trans-1,2-Dichloroethene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 23:57	ECB	A
1,2-Dichloropropane	ND		ug/m3	0.3	0.1	TO-15		8/5/15 23:57	ECB	A
cis-1,3-Dichloropropene	ND		ug/m3	0.3	0.1	TO-15		8/5/15 23:57	ECB	A
trans-1,3-Dichloropropene	ND		ug/m3	0.3	0.1	TO-15		8/5/15 23:57	ECB	A
Ethylbenzene	0.17J	J	ug/m3	0.2	0.1	TO-15		8/5/15 23:57	ECB	A
Isopropylbenzene	ND		ug/m3	0.3	0.1	TO-15		8/5/15 23:57	ECB	A
Methyl t-Butyl Ether	ND		ug/m3	0.2	0.1	TO-15		8/5/15 23:57	ECB	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/m3	0.2	0.1	TO-15		8/5/15 23:57	ECB	A
Methylene Chloride	1.6		ug/m3	0.2	0.1	TO-15		8/5/15 23:57	ECB	A
Styrene	ND		ug/m3	0.2	0.1	TO-15		8/5/15 23:57	ECB	A
1,1,2,2-Tetrachloroethane	ND		ug/m3	0.4	0.2	TO-15		8/5/15 23:57	ECB	A
Tetrachloroethene	0.33J	J	ug/m3	0.4	0.2	TO-15		8/5/15 23:57	ECB	A
Toluene	1.6		ug/m3	0.2	0.1	TO-15		8/5/15 23:57	ECB	A
1,1,1-Trichloroethane	ND		ug/m3	0.3	0.2	TO-15		8/5/15 23:57	ECB	A
1,1,2-Trichloroethane	ND		ug/m3	0.3	0.2	TO-15		8/5/15 23:57	ECB	A

**ALS Environmental Laboratory Locations Across North America**

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay  
Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey



### ANALYTICAL RESULTS

Workorder: 2085774 Alvarez-1506603

Lab ID: **2085774018**

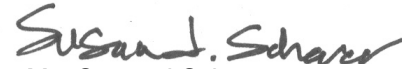
Date Collected: 7/21/2015 12:15

Matrix: Air

Sample ID: **Ambient Outdoor Air**

Date Received: 7/28/2015 14:17

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	Cntr
Trichloroethene	ND		ug/m3	0.3	0.2	TO-15		8/5/15 23:57	ECB	A
Trichlorofluoromethane	1.2		ug/m3	0.3	0.2	TO-15		8/5/15 23:57	ECB	A
1,2,4-Trimethylbenzene	ND		ug/m3	0.3	0.1	TO-15		8/5/15 23:57	ECB	A
1,3,5-Trimethylbenzene	ND		ug/m3	0.3	0.1	TO-15		8/5/15 23:57	ECB	A
Vinyl Chloride	ND		ug/m3	0.1	0.07	TO-15		8/5/15 23:57	ECB	A
o-Xylene	0.17J	J	ug/m3	0.2	0.1	TO-15		8/5/15 23:57	ECB	A
mp-Xylene	0.39J	J	ug/m3	0.5	0.2	TO-15		8/5/15 23:57	ECB	A



Ms. Susan J Scherer

Project Coordinator

#### ALS Environmental Laboratory Locations Across North America

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Vancouver Waterloo · Winnipeg · Yellowknife **United States:** Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York **Mexico:** Monterrey



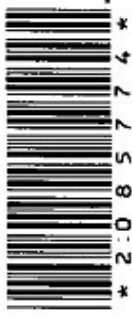
34 Dogwood Lane  
Middletown, PA 17057  
P. 717-944-5541  
F. 717-944-1430

**AIR ANALYSIS**

**CHAIN-OF- CUSTODY/FIELD TEST DATA SHEET**

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/SAMPLER.

INSTRUCTIONS ON THE BACK.



\* 2 0 8 5 7 7 4 \*

1 of 2

1. CLIENT INFORMATION		2. ANALYSES/METHOD REQUESTED		3. LABORATORY						
Client Name/Address: EA Engineering, Sci. & Tech 1374 Post Rd., Warwick RI		STO LIST 1 <input checked="" type="checkbox"/> per contract		LABORATORY CANISTER CERTIFIED BY:						
Contact: Frank Postma		OTHER		RECEIVING INFORMATION:						
Phone#: 401-736-3440		GC/MS Analyst Signature: <i>Postma</i>		COC Complete/Accurate? <input checked="" type="checkbox"/>						
Project Name/ID: Alvarez - 1506103		CANISTERS PREPARED BY: <i>David deBachewicz</i>		Labels Complete/Accurate? <input checked="" type="checkbox"/>						
Bill To: EA - Northeast Accounting		Name: <i>GAFT</i>		Cont. In Good Cond? <input checked="" type="checkbox"/>						
TAT <input checked="" type="checkbox"/> Rush-TAT subject to ALSI approval and surcharge - per contract 5-day TAT.		Title: <i>Analyst</i>		Custody Seals Present? <input checked="" type="checkbox"/>						
Date Rec'd: <i>7/21/15</i>		Custody Sealed Date/Time: <i>7/16/15 11:00</i>		(If present) Seals Intact? <input checked="" type="checkbox"/>						
Approved by: <i>Y. Frosztma</i>		Date Shipped to Client: <i>7/16/15</i>		Returned In $\leq$ 15 days? <input checked="" type="checkbox"/>						
Email: <i>Y.Frosztma@east.com</i>		Custody Seal #s: <i>1866, 1867, 1868</i>		Custody Seal #s: <i>1869, 1870, 1871</i>						
Fax: <i>736-3440</i>		Y NO: <input checked="" type="checkbox"/>		Courier/Tracking #:						
SAMPLE INFORMATION FOR TO-15		TO-15 FIELD DATA		LABORATORY RECORD						
Sample Description/Location (as it will appear on the lab report)	Sample Date	Start Time	Stop Time	Temp Deg C	Flow Controller No.	Canister Pressure (H <sub>g</sub> )	Canister Certification File	Canister Pressure (H <sub>g</sub> )	Flow Controller Setpoint (mL/min)	
										6L
1 Gymnasium	7-21-15	1019	1049	30°	7336720	-30	21071408-21.7	-30	2.8	166
2 Cafeteria *		0946	1016		7303487	-125	21071514-21.7	-125	2.2	166
3 Kitchen Storage		0925	0955		1801955307	-30	21071519-21.6	-30	2.3	166
4 Elevator Hallway		1025	1055		1512	-29	21071513-21.6	-29	4.8	166
5 Room 154		1036	1107		7340622	-285	21071407-21.6	-285	8.1	166
6 Room 152		1031	1101		7280647	-29	21071511-21.6	-29	3.3	166
7 Room 118		1123	1153		1831	-285	21071506-21.6	-285	4.8	166
8 Room 110		1120	1150		11910	-26	21071517-21.6	-26	4.4	166
9 IMP-1		1207	1237		7340845	-30	21071508-21.6	-30	0.7	166
10 IMP-3		1201	1231		7309695	-28	21071510-21.5	-28	5.0	166
5. SAMPLED BY (Please Print): <i>C. Swanson</i>		LOGGED BY (signature): <i>C. Swanson</i>		6. PROJECT INFORMATION						
Reviewed By (signature):		Date: <i>7/21/15</i>		Standard <input type="checkbox"/> CLP-like <input type="checkbox"/>						
Relinquished By / Company Name: <i>C. Swanson / EA</i>		Received By / Company Name: <i>Fedex sealed shipping box</i>		DOD <input type="checkbox"/> TO-15 <input checked="" type="checkbox"/>						
Date: <i>7/21/15</i>		Date: <i>7/21</i>		Other <input checked="" type="checkbox"/> per contract						
Time: <i>1500</i>		Time: <i>1500</i>		EDDS- Type: <i>pas</i>						
Time: <i>4</i>		Time: <i>1417</i>		ALS Field Services: <input type="checkbox"/> Pickup <input type="checkbox"/> Labor <input checked="" type="checkbox"/>						
Time: <i>6</i>		Time: <i>1417</i>		Other: <input type="checkbox"/>						
Time: <i>8</i>		Time: <i>1417</i>		State Samples Collected In: <input type="checkbox"/> NY <input type="checkbox"/> NJ <input type="checkbox"/> PA <input type="checkbox"/> NC <input checked="" type="checkbox"/> RI <input type="checkbox"/> other						
Time: <i>10</i>		Time: <i>1417</i>								

ALS ENVIRONMENTAL SHIPPING ADDRESS: 34 DOGWOOD LANE, MIDDLETOWN, PA 17057  
 Phone: 1-717-944-5541  
 \* Can start pressure was low when sample initiated - not sure if valve leaked or if gauge was malfunctioning.  
 Please quality data pt and test can for gauge/valve function.





34 Dogwood Lane  
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**AIR ANALYSIS**

**CHAIN-OF-CUSTODY/FIELD TEST DATA SHEET**

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/SAMPLER.

**Environmental**

INSTRUCTIONS ON THE BACK.

COC #: 2012

ALS Quote #: 498443

**1. CLIENT INFORMATION**

Client Name/Address: EA Engineering, SC & Tech  
2374 Post Rd, Warminster, PA  
 Contact: Frank Postma  
 Phone#: 401-736-3448  
 Project Name/ID: Alvarez-1506003  
 Bill To: EA - Northeast Accounting  
 TAT  Normal. Standard TAT is 10-12 business days.  
 Rush TAT subject to ALS approval and surcharges. -Per Contract 5-7 day  
 Date Required: Contract 5-7 day  
 Email: FPostma@east.com  
 Fax: TAT

**2. ANALYSES/METHOD REQUESTED**

NO.	TO-15 Analytic	STD LIST	USE LIST	OTHER
1	<input checked="" type="checkbox"/>	<u>per contract</u>		
2				
3				
4				
5				
6				
7				
8				
9				
10				

**3. LABORATORY**

LABORATORY CANISTER CERTIFIED BY: \_\_\_\_\_ RECEIVING INFORMATION: \_\_\_\_\_

GC/MS Analyst Signature: [Signature] Y N Initial 5

COC Complete/Accurate?  Labels Complete/Accurate?

Cont. In Good Cond?  Custody Seals Present?

(If present) Seals Intact?  Returned in 5 15 days?

Custody Seal #s: 1866, 1867, 1868 Custody Seal #s: \_\_\_\_\_

1869, 1870, 1871 Courier/Tracking #: \_\_\_\_\_

**4. FIELD DATA SHEET**

Sample Description/Location (as it will appear on the lab report)	Sample Type: Choose one: AS - Ambient Air V - Indoor SS - Soil V - Vapor	Sample Date	Start Time	Stop Time	Temp Deg C	1L	6L	Canister No.	Flow Controller No.	Canister Pressure (Psi)		Canister Certification File	Canister Pressure (Psi)	Flow Controller Setpoint (mL/min)
										Start	Stop			
1 MP-4	AS	7-21-15	1215	1245	30		X	9039	AD1808776	-27	0.5	21071518	-27.7	-5.4
2 MP-6	AS		1156	1226				11187	7337313	-27	-3.0	21071410	-24.6	-5.0
3 IMP-1	SS		1017	1049				1534	AD19552810	-28	-2	21071408	-28.5	-2.9
4 IMP-2	SS		1033	1103				4042	7266943	-29	-5	21071508	-24.7	-4.8
5 Rooftop Fan 1	V		0915	0945				5635	7337517	-29	-4	21071515	-24.6	-4.9
6 Rooftop Fan 2	V		0905	0935				11991	06280524168	-28	-4.5	21071518	-24.7	-5.7
7 Rooftop Fan 3	V		0934	1004				11420	7307021	-30	-7.5	21071516	-24.6	-5.5
8 Ambient Outdoor Air	V		1145	1215				9093	7342587	-30	-0.5	21071507	-24.6	-5.7
9														
10														

**5. SAMPLED BY (Please Print):** Swanson D. Allen

LOGGED BY (signature): [Signature]

REVIEWED BY (signature): \_\_\_\_\_

Relinquished By / Company Name: [Signature] / EA

Date	Time	Received By / Company Name
7/21/15	1500	2 Fed Ex sealed shipping box
	4	<u>[Signature]</u>
	6	
	8	
	10	

**6. PROJECT INFORMATION**

Standard  CLP-like

DOD  TO-15

Other  per contract

EDDS-Type: PAF

ALS Field Services:  Pickup  Labor

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

State Samples Collected In:  NY  NJ  PA  NC  RI

ALS ENVIRONMENTAL SHIPPING ADDRESS: 34 DOGWOOD LANE, MIDDLETOWN, PA 17057

Phone: 1-717-944-5541

Rev 03Mar2011



ALS-Middletown

TO-15 Sample Receipt Checklist

Client ID: EA ENGINEERING

Project Name/#: Alvarez - 1506623

Horizon WO#: 2085774

Date/Time received: 7/28/15

Sample Delivery Group ID: N/A

Received By: [Signature]

Log In By/Date: Susan Scherer 07/28/15

Project Manager Review (date): 07/28/15

(signature) Susan Scherer

(signature) Susan Scherer

Number of Shipping containers received: 5

Courier: Fedex

Circle the response below as appropriate.

1. Did kit(s) come with a shipping slip (airbill, etc.)? YES NO NA
If YES, enter airbill numbers: 7901 8791 8616, 7901 8791 8580, 7740 6879 1825, 7901 8791 8590, 7901 8791 8605

Shipping Container Information:

2. Were shipping containers received without signs of tampering? YES NO NA
Comments:

3. Were custody seals present and intact? YES NO NA

4. Were custody seals numbers present? YES NO NA
List Custody Seal Numbers: 1874, 1875, 1873, 1874, 1872

Sample Condition:

5. Were sample containers received intact without signs of tampering? YES NO NA
Comments:

Chain of Custody:

6. Did COC arrive with the samples? YES NO NA

7. Do sample ID/Sample Description(s) match samples submitted? YES NO NA

8. Is date and time of collection listed on the COC for all samples? YES NO NA

9. Is identification of sampler on COC? YES NO NA

10. Are requested test method(s) on COC? YES NO NA

11. Are necessary signatures on COC? YES NO NA

12. Was Internal COC initiated? (should always be YES) YES NO NA

Sample Integrity Usability:

13. Do sample containers match the COC? YES NO NA

14. Were sample canisters received within 15 days of shipment to client? YES NO NA

Anomalies or Non-Conformances: Gauge on #2 tested OK, can may have leaked prior to sampling. EB 7/29/15

## APPENDIX F

### Laboratory MRL Correspondence



34 Dogwood Lane  
Middletown, PA 17057  
T: +1 717 944 5541  
F: +1 717 944 1430  
[www.alsglobal.com](http://www.alsglobal.com)

September 10, 2015

Catherine Swanson  
EA Engineering, Science, and Technology, Inc., PBC  
301 Metro Center Boulevard, Suite 102  
Warwick, Rhode Island 02886

Re: TO-15 reporting limits

Dear Ms Swanson,

The ability to meet statewide health and remediation standards is limited to the sensitivity of the procedures and instrumentation employed for the analysis of the samples. These standards are calculated risk based values that do not take into account limitations of the methods and instrumentation necessary for analysis. Under ideal conditions the laboratory can meet all of the RI DEM approved action levels by Method TO-15 using either the practical quantitation limit or method detection limit with the following exceptions: Bromodichloromethane, 1,2-Dibromoethane, 1,2-Dichloroethane, 1,1,2,2-Tetrachloroethane and depending on available sample volume 1,2-Dichloropropane.

Reporting limits may be elevated for highly contaminated samples and samples with high moisture content. Samples affected by the aforementioned scenarios are typically collected from sub-slab and soil-gas sample location.

If you have any further questions concerning this matter please contact me at (717) 944-5541 Ext. 3105 or [alan.lopez@alsglobal.com](mailto:alan.lopez@alsglobal.com).

Sincerely,

Alan J. Lopez  
Technical Manager, Organics