EA Engineering, Science, and Technology, Inc.

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5 October 2010

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

RE: Quarterly O&M Status Report No. 12
Alvarez High School, 333 Adelaide Avenue, Providence, Rhode Island
Case No. 2005-029
EA Project No. 14687.01

Dear Mr. Martella:

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

This O&M Report summarizes recently completed Site activities related to compliance subslab vapor and indoor air sampling from the period between June 2010 and August 2010.

If you have any questions or require additional information, please contact me at 401-736-3440, Ext. 203.

Sincerely,

EA ENGINEERING, SCIENCE,
AND TECHNOLOGY, INC.

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

cc: C. Jones, Prov. Dept. of Public Schools
T. Deller, Prov. Redevelopment Agency
J. Fernandez, City of Prov. Law Department
R. Dorr, Neighborhood Resident
Rep. Scott Slater
Knight Memorial Library Repository
A. Sepe, Prov. Dept. of Public Property
S. Fischbach, RI Legal Services
J. Ryan, Partridge, Snow, & Hahn
J. Pichardo, Senator
Principal Torchon, Alvarez High School

Quarterly O&M Status Report No. 12

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.
2350 Post Road
Warwick, Rhode Island 02886
(401) 736-3440

October 2010
EA Project No. 14687.01

CONTENTS

FIGURES

APPENDICES

1. INTRODUCTION AND BACKGROUND

On behalf of the City of Providence School Department (the City), EA Engineering, Science, and Technology, Inc. (EA) has prepared this Quarterly Operations and Maintenance (O&M) Status Report No. 12 for the Parcel B area of the former Gorham Manufacturing site in Providence, Rhode Island, formerly referred to as the Adelaide Avenue High School and now referred to as the Alvarez High School site (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 Orders of Approval 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 2010 through August 2010 (Quarterly Reporting Period No. 12) and also includes an overall evaluation of volatile organic compound (VOC) concentrations within soil gas as they pertain to a potential rebound effect at the Site. Please refer to the Quarterly O&M Status Reports No. 1 through No. 11 for information regarding monitoring and sampling at the Site during the previous quarters. The RACR and previously submitted monthly correspondence contain details regarding the results of the monitoring and sampling program for the period between March and August 2007.

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

2.1 SSD SYSTEM

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

- Monthly subslab vacuum monitoring at 11 monitoring locations, as illustrated on the As-Built Subslab Monitoring and Sampling Plan included in Appendix C.

- Monthly inspections and monitoring of rooftop fans (air velocity and vacuum) to verify proper operation.

- Continuous electronic monitoring (with automatic alarm notification via audible signal and phone notification) at each of three SSD System extraction fans to ensure continuous operation.

All vacuum measurements taken at each interior and perimeter subslab monitoring/sampling location were between -0.02 and -0.19 in. of water column, indicating continuous negative pressure values beneath the building slab.

Inspections and monitoring of all other system equipment revealed proper system operation, and no equipment shutdowns, failures, alarms, or interruptions of any type occurred during this reporting period. The continuous, verified zone of negative pressure beneath the school's concrete slab, along with the monthly inspections and continuous monitoring of both the indoor air monitoring system and the subslab depressurization system, confirms proper operation of the SSD System during this reporting period.

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 included in Appendix B) during this reporting period. In addition, the methane monitoring system was inspected and filters are replaced on a regular basis. The indoor methane monitoring system operated continuously throughout this reporting period with no equipment shutdowns, failures, alarms, or interruptions of any type, and no methane was detected during any of the supplemental monthly indoor methane monitoring events.

In August 2010, filter discs at each of the eight continuous methane sensors were replaced in accordance with a quarterly frequency schedule. The next filter replacement is scheduled for November 2010.

No other maintenance or repairs to the methane monitoring system or components were performed or required during this reporting period.

2.3 AMBIENT OUTDOOR AND INDOOR AIR SAMPLING

One outdoor ambient air sample and eight indoor air samples within the school at RIDEM-approved sampling locations were collected and analyzed for VOCs via Method TO-15 SIM (Selective Ion Monitoring) on 16 July 2010. The outdoor ambient sample was collected from the south face of the school (upwind) to ensure that system effluent was not captured in the sample. The sampling frequency has been reduced to quarterly sampling, per Order of Approval Addendum 3 prepared by RIDEM and dated 19 July 2009. Sampling locations are shown on the Indoor Air Sampling and Methane Monitoring System Diagram provided in Appendix B. The indoor air sampling results were compared to the State of Connecticut's Draft Proposed Indoor Residential Targeted Air Concentrations (CT RTACs) in accordance with the Amended OA. The laboratory reporting limits (RLs) for several VOCs reported via TO-15 analysis, even though analyzed via the SIM procedure were greater than the respective CT RTACs. In accordance with the Amended OA, EA contacted the laboratory prior to sample analysis to verify that the RLs provided would be the lowest currently achievable limits. An RL verification letter from Alpha Analytical Laboratory is provided in Appendix E. A data summary table and copies of the laboratory data reports associated with this sampling event is provided in Appendix B.

One compound, methylene chloride, was detected within all indoor and outdoor ambient air samples collected from the Alvarez High School at concentrations that exceed the State of Connecticut's Draft Proposed Indoor Residential Targeted Air Concentrations in accordance with the Order of Approval and amendments (Amended OA) for this Site. The methylene chloride concentrations range from 13.9 to 48.2 $\mu g/m^3$. Methylene chloride was detected in the ambient outdoor air at a concentration of 20.6 $\mu g/m^3$. Review of the analytical report, provided in Appendix B, demonstrates that the LCS recovery for methylene chloride (132%) is outside of the acceptable range (70% - 130%) which would bias the data high. Methylene chloride has not been a contaminant of concern at the Site. Additionally, the presence of methylene chloride in the outdoor air indicates the source is unrelated to the subsurface impacts. Methylene chloride is also a common laboratory contaminant.

EA routinely measures the vacuum at 11 soil vapor monitoring points throughout the school using a Magnahelic vacuum gauge capable of measuring to 0.01 inches of water. The results indicate that a vacuum is being maintained by the SSD system at each sampling point. Therefore, controlled prevention of the soil vapors from entering the school is being maintained.

Carbon tetrachloride, a documented background ambient compound present at the Site, has consistently been detected in ambient outdoor air and inside the school during every sampling

event completed at the Site at concentrations ranging between 0.19 to 0.77 ug/m^3. Similarly, during this reporting period the ambient outdoor and indoor air concentrations of carbon tetrachloride ranged between 0.465 and 0.547 ug/m^3. Discussions and guidance provided by the Rhode Island Department of Health, RIDEM Office of Waste Management, and RIDEM Office of Air Resources resulted in an understanding that these carbon tetrachloride results do not constitute Indoor Air Action Level exceedances for the Site since they are consistent with documented background concentrations.

2.4 SUBSLAB VAPOR SAMPLING AND EVALUATION OF POTENTIAL VOC REBOUND EFFECT

A total of 11 RIDEM-approved subslab sampling locations exist at the Site. Six subslab vapor samples were collected in accordance with a RIDEM-approved (Amended OA) rotating sampling schedule and analyzed for VOCs via Method TO-15 SIM on 21 April 2010 in accordance with the Amended OA. The subslab data is summarized in Appendix C, along with copies of the laboratory data reports associated with these sampling events.

Data from the previous two sampling rounds (April 2010 and July 2010) indicate elevated concentrations of tetrachloroethene within subslab vapor. This data will be monitored for the upcoming sampling rounds to determine if this relates to a potential VOC rebound. Indoor air concentrations of tetrachloroethene have remained well below the standard of 5.0 µg/m^3, indicating ongoing effective operation of the SSD system.

The subslab data has been evaluated and there is no evidence of increasing VOCs (i.e., VOC rebound) beneath the school in accordance with the Amended OA.

2.5 SUMMARY OF ROOFTOP VOC EMISSIONS

The Amended OA requires that rooftop VOC sampling be completed on an annual basis. The latest rooftop VOC sampling event was completed during this sampling period on 16 July 2010 and is summarized in Appendix D. Please refer to the previously submitted Quarterly Status Report No. 9 (dated December 2009) for more details regarding previous rooftop VOC data. The next annual rooftop effluent VOC sampling event is scheduled for July 2011 to accommodate the revised quarterly sampling schedule.

Previous rooftop effluent sampling rounds conducted in March 2007 (immediately after SSD system startup), June 2007, June 2008 and September 2009 indicated compliance with all Air Pollution Control Permit Applicability Thresholds. In general, the VOC concentrations in the rooftop effluent associated with the July 2010 sampling round indicate continuance of the decreasing trend of VOC concentrations in subsurface soils and do not exceed the Air Pollution Control Permit Applicability Thresholds. Tabulation of the data and the rooftop sampling analytical report is provided as Appendix E.

2.6 FLOOR SLAB CRACK EVALUATION

EA observed several cracks along the floor of the kitchen and kitchen storage area during routing monitoring at the school. EA notified the school promptly and allowed the school department to develop a scope of work to determine the severity of the observed cracks. On 13 August 2010 EA oversaw the coring of the school foundation in three locations where significant cracks were observed. Each of the cores were observed following extraction to determine if the cracks extended through the foundation. Results of the investigation indicate each of the cracks do not extend through the foundation. The vapor barrier was observed to be present beneath each core. Additionally, pressure readings taken at the nearest subslab vapor sampling point (IMP-1) remained constant and negative throughout the coring and repair work. All penetrations were sealed with concrete following the investigation.

2.7 CONCLUSIONS

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

- Analytical results from indoor air sampling conducted this quarter indicate the presence of one contaminant present above the CT RTACs but consistent with outdoor ambient air quality.

- There is no evidence that soil vapor intrusion into the Alvarez High School is occurring.

- Data indicates increasing concentrations of tetrachloroethene within subslab vapor at the school.

- The continuous operation of the SSD System, with no equipment malfunctions or alarm conditions, and confirmation of continuous subslab vacuum beneath the school illustrates ongoing, effective operation of the SSD System. No soil vapor intrusion pathway exists at the school while the SSD System is operational.

- No SSD System modifications or other actions to address current site conditions are warranted or proposed at this time.

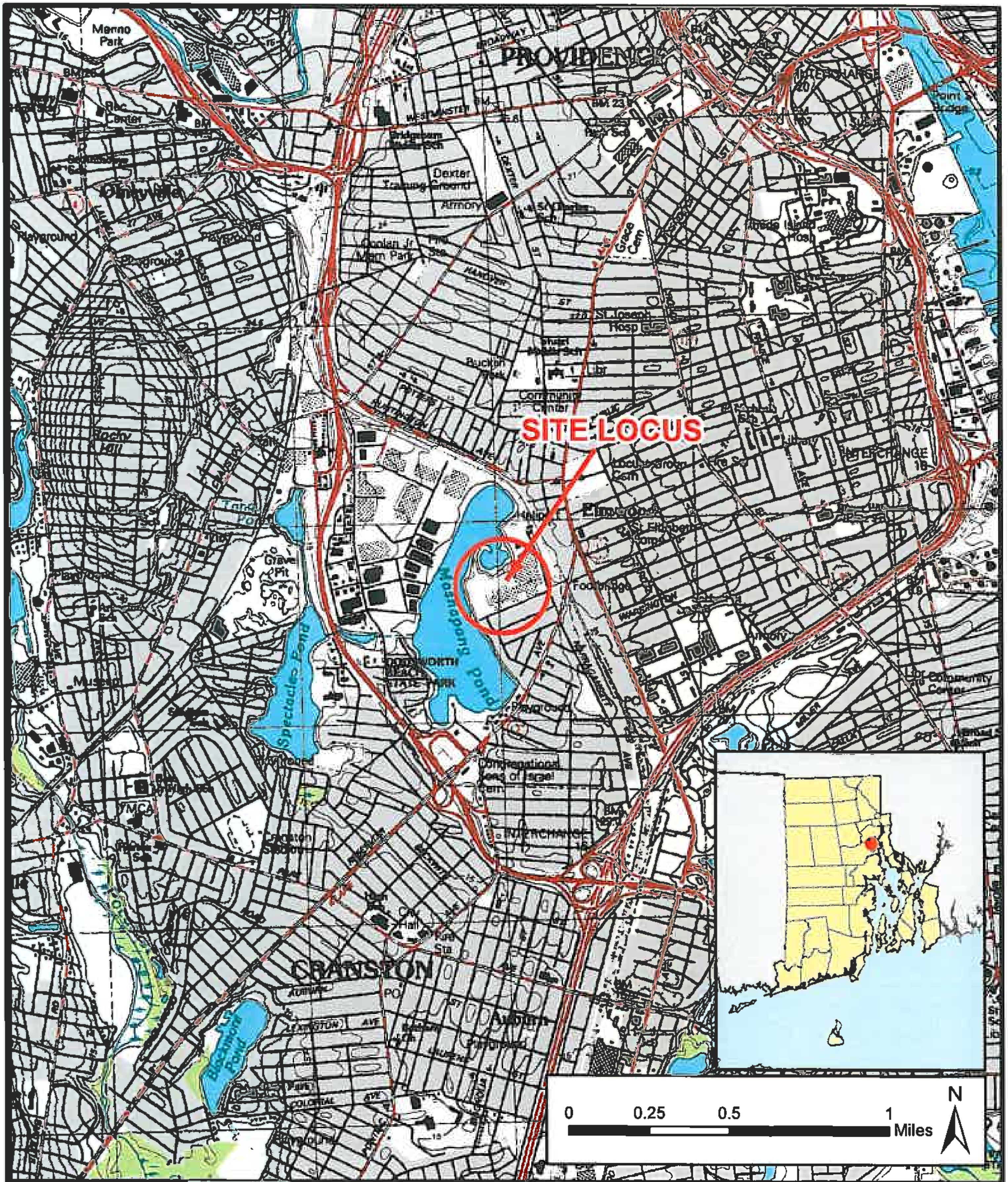
3. FUTURE ACTIVITIES AND NEXT QUARTERLY SUMMARY REPORT

The following activities will be completed in accordance with the Amended OA during the next quarterly status reporting period ending 30 November 2010:

- Continuous monitoring of the operational status of the three rooftop fans
- Monthly site inspections and monitoring using a photoionization detector with part-per-billion sensitivity
- Collection of air samples from eight indoor locations, one ambient location, and six subslab monitoring points in October 2010.

These activities will be summarized in the next status report (Quarterly Status Report No. 13), expected to be submitted by the end of December 2010.

Figures



EA		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

Appendix A

O&M Field Forms

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

Date of O&M: 6/24/2010 Performed by: DMA

PID/Methane Calibration? US Environmental (yes/no)

Date of Last Methane Sensor Filter Replacement: May 2010 Replaced this O&M Visit? No (yes/no)

General Status of SSD System: On-line

General Status of Methane Monitoring System: On-line

Eng. Cap/Fence Inspection Performed/Notes: EA performed an evaluation of the cracked ceramic kitchen floor tiles

Monitoring/ Sampling Location	Sub-slab or gauge vacuum	Air Velocity (fpm)	VOC Monitoring	Methane Monitoring			Air/Vapor Sample Collection						Comments/Notes (Ambient weather conditions, status of HVAC, possible monitoring/sampling interferences, etc .... continue on separate sheet if needed)
			PID (ppb)	Indoor Sensor (ppm)	(% Gas)	(% LEL)*	Summa Can ID	Controller ID	Start Time	Start Vac (inches Hg)	End Time	End Vac (inches Hg)	
Gymnasium	NA	NA	0.0	0	0	0							Occupied
Cafeteria	NA	NA	14.0	0	0	0							Occupied
Kitchen Storage Room	NA	NA	0.0	0	0	0							Occupied
Elevator Hallway	NA	NA	3.0	0	0	0							
Room 145	NA	NA	0.0	0	0	0							
Room 152	NA	NA	0.0	0	0	0							
Room 118	NA	NA	0.0	0	0	0							
Room 110	NA	NA	0.0	0	0	0							
MP-1	-0.05	NA	1.4ppm	NA	0	0.0							
MP-2	-0.06	NA	10.6ppm	NA	0	0.0							
MP-3	-0.04	NA	968.0	NA	0	0.0							
MP-4	-0.05	NA	2.2ppm	NA	0	0.0							
MP-5	-0.05	NA	956.0	NA	0	0.0							
MP-6	-0.08	NA	2.4	NA	0	0.0							
MP-7	-0.15	NA	2.0 ppm	NA	0	0.0							
MP-8	-0.14	NA	11.3 ppm	NA	0	0.0							
IMP-1	-0.02	NA	48.0	NA	0	0.0							Water in annulus
IMP-2	-0.02	NA	15.0	NA	0	0.0							
IMP-3	-0.02	NA	26.0	NA	0	0.0							
Roof-Top Fan 1	2.00	2423	235.0	NA	0	0.0							
Roof-Top Fan 2	1.80	1426	160.0	NA	0	0.0							
Roof-Top Fan 3	2.20	2180	6.0	NA	0	0.0							
Ambient Outdoor Air	NA	NA	0.0	NA	0	0.0							

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

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

Date of O&M: 7/16/2010 Performed by: DMA

PID/Methane Calibration? US Environmental (yes/no)

Date of Last Methane Sensor Filter Replacement: May 2010 Replaced this O&M Visit? No (yes/no)

General Status of SSD System: On-line

General Status of Methane Monitoring System: On-line

Eng. Cap/Fence Inspection Performed/Notes:

Monitoring/ Sampling Location	Sub-slab or gauge vacuum	Air Velocity (fpm)	VOC Monitoring	Methane Monitoring			Air/Vapor Sample Collection						Comments/Notes (Ambient weather conditions, status of HVAC, possible monitoring/sampling interferences, etc .... continue on separate sheet if needed)
			PID (ppb)	Indoor Sensor (ppm)	(% Gas)	(% LEL)*	Summa Can ID	Controller ID	Start Time	Start Vac (inches Hg)	End Time	End Vac (inches Hg)	
Gymnasium	NA	NA	7.0	0	0	0	471	0252	1006	-30+	1035	-2	
Cafeteria	NA	NA	0.0	0	0	0	323	0451	1002	-28	1032	-6	
Kitchen Storage Room	NA	NA	50.0	0	0	0	543	0391	1005	-30+	1034	-10	
Elevator Hallway	NA	NA	0.0	0	0	0	1737	0165	1010	-30+	1042	-6	
Room 145	NA	NA	0.0	0	0	0	545	0289	1011	-25	1042	-5	
Room 152	NA	NA	57.0	0	0	0	415	0271	1012	-30+	1043	-3	
Room 118	NA	NA	0.0	0	0	0	485	0270	1014	-30	1045	-3	
Room 110	NA	NA	43.0	0	0	0	379	0019	1015	-28.5	1046	-4	
MP-1	-0.06	NA	4.01ppm	NA	0	0.0	1743	0435	1140	-30	1209	-10	
MP-2	-0.05	NA	0.0	NA	0	0.0	—	—	—	—	—	—	
MP-3	-0.08	NA	25.5	NA	0	0.0	118	0269	1205	-30	1236	-9	
MP-4	-0.05	NA	0.3	NA	0	0.0	395	0150	1201	-29	1229	-6	
MP-5	-0.07	NA	3.2ppm	NA	0	0.0	—	—	—	—	—	—	
MP-6	-0.07	NA	47.1ppm	NA	0	0.0	388	0152	1226	-30+	1251	-11	
MP-7	-0.11	NA	7.7ppm	NA	0	0.0	—	—	—	—	—	—	
MP-8	-0 13	NA	20.3 ppm	NA	0	0.0	—	—	—	—	—	—	
IMP-1	-0.02	NA	0.0	NA	0	0.0	463	0001	1039	-30+	1108	-6	Water in annulus
IMP-2	-0.02	NA	0.0	NA	0	0.0	376	0446	1120	-30+	1146	-10	
IMP-3	-0.02	NA	52.0	NA	0	0.0	—	—	—	—	—	—	
Roof-Top Fan 1	2.00	2468	256.0	NA	0	0.0	518	—	1315	-19	—	-3	
Roof-Top Fan 2	1.80	1486	239.0	NA	0	0.0	455	—	1351	-25	—	-4	
Roof-Top Fan 3	4.20	2210	503.0	NA	0	0.0	460	—	1346	-19	—	-3	
Ambient Outdoor Air	NA	NA	0.0	NA	0	0.0	406	0279	1205	-30	1233	-10	

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

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

Date of O&M: 8/31/2010 Performed by: P Theroux

PID/Methane Calibration?: US Environmental (yes/no)

Date of Last Methane Sensor Filter Replacement: May 2010 Replaced this O&M Visit?: Yes (yes/no)

General Status of SSD System: On-line

General Status of Methane Monitoring System: On-line

Eng. Cap/Fence Inspection Performed/Notes: Concrete cores were advanced in cracks in kitchen and gym storage room. Poly barrier intact.

Monitoring/ Sampling Location	Sub-slab or gauge vacuum	Air Velocity (fpm)	VOC Monitoring	Methane Monitoring			Air/Vapor Sample Collection						Comments/Notes (Ambient weather conditions, status of HVAC, possible monitoring/sampling interferences, etc .... continue on separate sheet if needed)
			PID (ppb)	Indoor Sensor (ppm)	(% Gas)	(% LEL)*	Summa Can ID	Controller ID	Start Time	Start Vac (inches Hg)	End Time	End Vac (inches Hg)	
Gymnasium	NA	NA	0	0	0	0							The first concrete boring located on the crack extending near the dish washing room in the Kitchen had 0 ppb VOCs, 0% gas, and 0% LEL detected
Cafeteria	NA	NA	0	0	0	0							
Kitchen Storage Room	NA	NA	0	0	0	0							The second concrete boring located on the crack extending toward the kitchen storage room entrance in the Kitchen had 5 ppb VOCs, 0% gas, and 0% LEL detected
Elevator Hallway	NA	NA	0	0	0	0							
Room 145	NA	NA	0	0	0	0							
Room 152	NA	NA	0	0	0	0							The third concrete boring located on the crack in the gym storage closet had 0 ppb VOCs, 0% gas, and 0% LEL detected
Room 118	NA	NA	0	0	0	0							
Room 110	NA	NA	0	0	0	0							
MP-1	-0.07	NA	129	NA	0	0							Following the third boring, the sub-slab vaccum in IMP-1 was remeasured and determined to be the same as prior to coring through the concrete.
MP-2	-0.09	NA	4.5 ppm	NA	0	0							
MP-3	-0.19	NA	24.3 ppm	NA	0	0							
MP-4	-0.05	NA	19.2 ppm	NA	0	0							
MP-5	-0.09	NA	5.4 ppm	NA	0	0							Water was pumped up to the moisture barrier on the LandTec in MP-1
MP-6	-0.07	NA	25.1 ppm	NA	0	0							
MP-7	-0.12	NA	28.2 ppm	NA	0	0							
MP-8	-0.11	NA	48.7 ppm	NA	0	0							
IMP-1	-0.02	NA	122	NA	0	0							
IMP-2	-0.03	NA	46	NA	0	0							
IMP-3	-0.02	NA	136	NA	0	0							
Roof-Top Fan 1	-1.80	2423	6	NA	0	0							
Roof-Top Fan 2	-2.00	1426	203	NA	0	0							
Roof-Top Fan 3	-2.50	2180	90	NA	0	0							
Ambient Outdoor Air	NA	NA	0	NA	0	0							

NA: not applicable

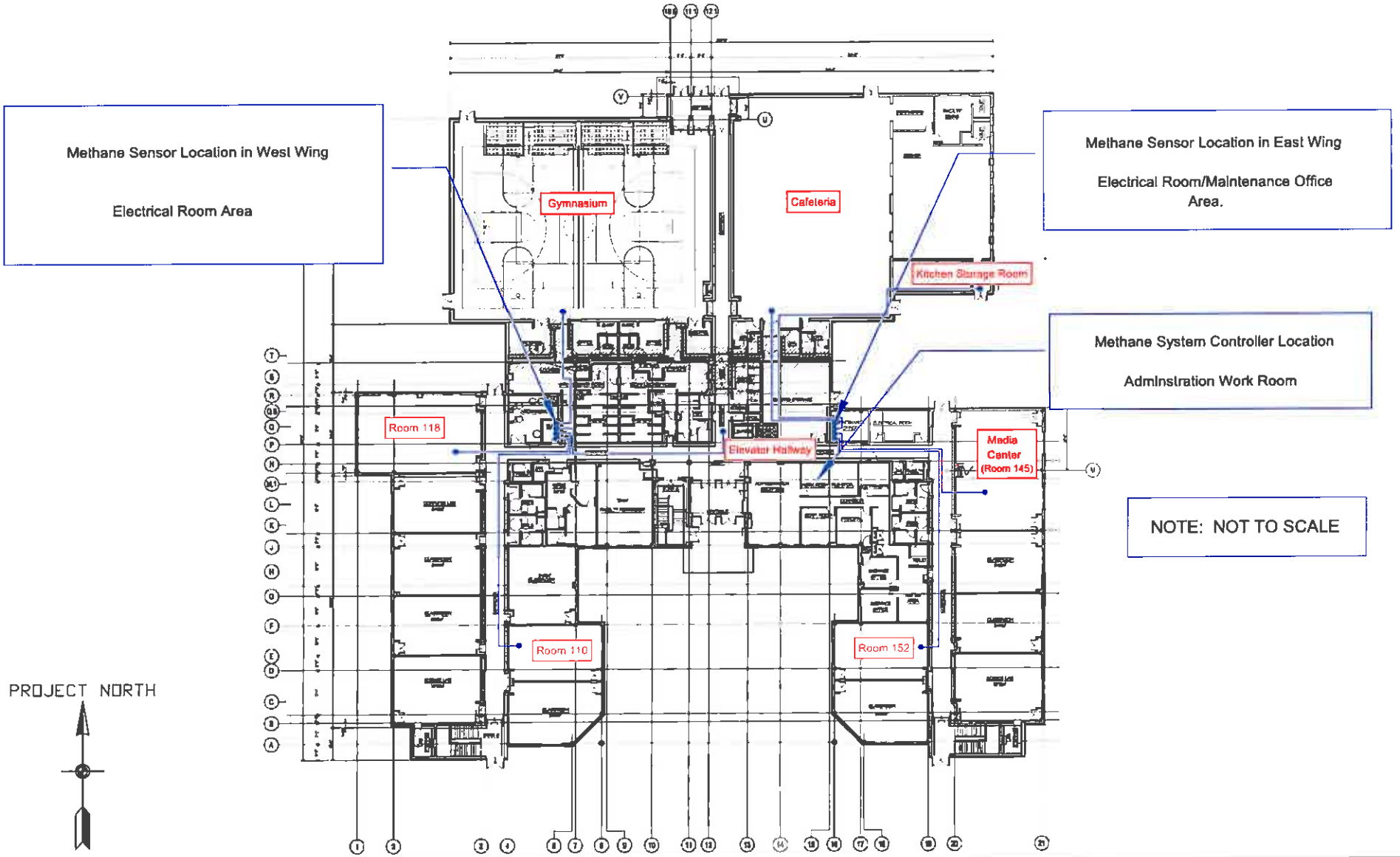
NM: not monitored on this date

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 and Lab Report



DESIGNED BY PMG	DRAWN BY PMG	DATE 4-3-07	PROJECT NO. 61965.01	FILE NAME Gorham Layout	INDOOR AIR SAMPLING AND METHANE MONITORING SYSTEM DIAGRAM - GORHAM HIGH SCHOOL PROVIDENCE, RHODE ISLAND	QUARTERLY STATUS REPORT FIGURE 2
CHECKED BY PMG	PROJECT MGR. PMG	SCALE NTS	DRAWING NO. –	FIGURE N/A		

Summary of Indoor Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
Feb 2008 - July 2010

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/Interim RIDE Ia Approved Action Level	Kitchen Storage Rm	Qual	Cafeteria	Qual	Gymnasium	Qual	Elevator Hallway	Qual	Room 118	Qual	Room 110	Qual	Media Ctr (Rm 145)	Qual	Room 152	Qual	Ambient Outdoor	Qual
Dichlorodifluoromethane	8-Feb-08		1 880		1 880		1 880		1 880		1 830		1 840		1 880		1 890		2 020	
	27-Mar-08		2 420		2 380		2 280		2 110		2 600		2 580		2 700		2 070		2 210	
	25-Apr-08		2 080		2 100		2 010		2 170		2 030		1 990		2 080		2 030		1 880	
	29-May-08		1 700		1 830		1 540		1 780		1 810		1 780		1 810		1 800		1 580	
	27-Jun-08		2 280		2 280		2 370		2 330		2 240		2 220		2 250		2 250		2 220	
	31-Jul-08		2 090		2 080		1 970		1 970		1 910		1 820		1 970		1 900		1 850	
	28-Aug-08		3 800		2 870		2 820		2 870		2 920		2 800		2 800		2 980		2 770	
	30-Sep-08		2 900		2 700	U	2 500	U	2 900	U	2 500	U	2 900		2 800		2 500	U	2 500	U
	27-Oct-08		2 500	U	2 500	U	2 500	U	2 900	U	2 500	U	2 500	U	2 500	U	2 500	U	2 500	U
	25-Nov-08		2 500	U	2 500	U	2 500	U	2 500	U	3 400	U	2 500	U	2 500	U	2 500	U	2 500	U
	18-Dec-08	91 0	2 700		2 500	U	2 500	U	2 500	U	2 500	U	2 500	U	2 500	U	2 500	U	2 500	U
	21-Jan-09		2 500	U	2 500	U	2 500	U	2 500	U	2 500	U	2 500	U	3 000	U	2 500	U	2 500	U
	25-Feb-09		2 500	U	2 500	U	2 500	U	NS		2 500	U	2 500	U	2 500	U	2 500	U	2 500	U
	26-Mar-09		2 270		2 190		2 120		2 090		2 220		2 180		2 080		2 120		2 130	
	29-Apr-09		2 500		2 240		2 480		2 320		2 240		2 320		2 360		2 360		2 160	
	22-Jul-09		3 140		3 120		2 920		3 080		2 780		3 170		2 880		2 980		3 130	
	9-Oct-09		2 260		2 580		2 300		2 320		2 300		2 300		2 300		2 290		2 210	
	15-Jan-10		27 600		2 580		2 480		2 580		2 410		2 540		2 450		2 410		2 430	
	21-Apr-10		2 340		2 320		2 520		2 330		2 330		2 280		2 320		2 330		2 240	
	16-Jul-10		2 480		2 580		2 430		2 520		3 690		2 480		2 550		2 480		2 740	
Chloromethane	8-Feb-08		2 440	U	2 440	U	2 440	U	2 440	U	2 440	U	2 480		2 440	U	2 440	U	2 440	U
	27-Mar-08		2 830		3 070		2 880		2 440	U	2 830		2 440	U	2 480		2 440	U	2 440	U
	25-Apr-08		2 520		2 440	U	2 440	U	2 440	U	2 440	U	3 000		2 440	U	3 140		2 440	U
	29-May-08		2 790		3 000		7 100		11 000		2 840		6 280		6 420		2 770		2 440	U
	27-Jun-08		2 850		2 440	U	2 440	U	2 830		3 280		2 670		2 440	U	2 500		2 440	U
	31-Jul-08		3 580		3 880		3 330		4 370		3 440		3 740		2 440	U	2 440	U	2 440	U
	28-Aug-08		2 440		3 140		5 310		6 880		2 440	U	2 540		2 540		2 540		2 440	U
	30-Sep-08		1 400		1 300		1 100		1 400		1 000	U	1 700		1 800		1 000	U	1 200	
	27-Oct-08		1 000	U	1 000	U	1 000	U	1 000	U	1 000	U	1 200		1 000		1 000	U	1 000	U
	25-Nov-08		1 000	U	1 000	U	1 000	U	1 000	U	1 000	U	1 000	U	1 000	U	1 000	U	1 000	U
	18-Dec-08	14 0	1 000	U	1 000	U	1 000	U	1 400		1 000	U	1 000	U	1 000	U	1 000		1 000	U
	21-Jan-09		1 000	U	1 000	U	1 000	U	1 900		1 000		1 000	U	1 400		1 100		1 200	
	25-Feb-09		1 000	U	1 000	U	1 000	U	NS		1 000	U	1 000	U	1 000	U	1 100		1 000	U
	26-Mar-09		2 490		2 880		2 590		2 920		2 910		2 440	U	2 440	U	2 440	U	2 440	U
	29-Apr-09		2 710		2 810		3 800		3 730		3 130		2 880		3 350		2 980		2 510	
	22-Jul-09		2 870		2 520		2 680		2 540		2 440	U	2 780		3 390		3 320		2 440	U
	9-Oct-09		3 450		2 740		2 440	U	2 440	U	2 440	U	2 440	U	2 440	U	2 440	U	2 440	U
	15-Jan-10		3 850		3 680		2 820		3 180		3 240		3 830		3 120		2 790		2 800	
	21-Apr-10		2 580		2 440	U	2 440	U	2 440	U	2 440	U	2 400	U	2 520		2 440	U	2 480	
	16-Jul-10		1 510		1 480		1 090		1 090		1 880		1 110		1 300		1 100		1 510	
Vinyl chloride*	8-Feb-08		0 050	U	0 050	U	0 050	U	0 050	U	0 050	U	0 050	U	0 050	U	0 050	U	0 050	U
	27-Mar-08		0 051	U	0 051	U	0 051	U	0 051	U	0 051	U	0 051	U	0 051	U	0 050	U	0 051	U
	25-Apr-08		0 051	U	0 051	U	0 051	U	0 051	U	0 051	U	0 051	U	0 051	U	0 051	U	0 051	U
	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
	27-Jun-08		0 050	U	0 050	U	0 050	U	0 051	U	0 050	U	0 050	U	0 051	U	0 050	U	0 051	U
	31-Jul-08		0 050	U	0 050	U	0 051	U	0 051	U	0 051	U	0 051	U	0 051	U	0 051	U	0 051	U
	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
	30-Sep-08		0 100	U	0 100	U	0 130		0 100	U	0 100	U	0 100	U	0 100	U	0 100	U	0 100	U
	27-Oct-08		0 100	U	0 100	U	0 100	U	0 100	U	0 100	U	0 100	U	0 100	U	0 100	U	0 100	U
	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
	18-Dec-08	0 1	0 100	U	0 100	U	0 100	U	0 100	U	0 100	U	0 100	U	0 100	U	0 100	U	0 100	U
	21-Jan-09		0 100	U	0 100	U	0 100	U	0 100	U	0 100	U	0 100	U	0 100	U	0 100	U	0 100	U
	25-Feb-09		0 100	U	0 100	U	0 100	U	NS		0 100	U	0 100	U	0 100	U	0 100	U	0 100	U
	26-Mar-09		0 051	U	0 051	U	0 051	U	0 051	U	0 051	U	0 051	U	0 051	U	0 051	U	0 051	U
	29-Apr-09		0 051	U	0 051	U	0 080	U	0 051	U	0 051	U	0 051	U	0 051	U	0 051	U	0 051	U
	22-Jul-09		0 051	U	0 051	U	0 051	U	0 051	U	0 051	U	0 051	U	0 051	U	0 051	U	0 051	U
	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
	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
	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
	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
Chloroethane	8-Feb-08		0 050	U	0 050	U	0 050	U	0 050	U	0 050	U	0 050	U	0 050	U	0 050	U	0 050	U
	27-Mar-08		0 062		0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U
	25-Apr-08		0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U
	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
	27-Jun-08		0 053	U	0 050	U	0 053	U	0 053	U	0 053	U	0 050	U	0 050	U	0 050	U	0 053	U
	31-Jul-08		0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U
	28-Aug-08		0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U
	30-Sep-08		1 300	U	1 300	U	1 300	U	1 300	U	1 300	U	1 300	U	1 300	U	1 300	U	1 300	U
	27-Oct-08		1 300	U	1 300	U	1 300	U	1 300	U	1 300	U	1 300	U	1 300	U	1 300	U	1 300	U
	25-Nov-08		1 300	U	1 300	U	1 300	U	1 300	U	1 300	U	1 300	U	1 300	U	1 300	U	1 300	U
	18-Dec-08	500 0	1 300	U	1 300	U	1 300	U	1 300	U	1 300	U	1 300	U	1 300	U	1 300	U	1 300	U
	21-Jan-09		1 300	U	1 300	U	1 300	U	1 300	U	1 300	U	1 300	U	1 300	U	1 300	U	1 300	U
	25-Feb-09		1 300	U	1 300	U	1 300	U	NS		1 300	U	1 300	U	1 300	U	1 300	U	1 300	U
	26-Mar-09		0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U
	29-Apr-09		0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U
	22-Jul-09		0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U
	9-Oct-09		0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U
	15-Jan-10		0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U
	21-Apr-10		0 053	U	0 053	U			0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U
	16-Jul-10		0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U	0 053	U

Summary of Indoor Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
Feb 2008 - July 2010

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/Interim RIDEM-Approved Action Level	Kitchen Storage Rm	Qual	Cafeteria	Qual	Gymnasium	Qual	Elevator Hallway	Qual	Room 118	Qual	Room 110	Qual	Media Cntr (Rm 145)	Qual	Room 152	Qual	Ambient Outdoor	Qual
Acetone	8-Feb-08		20 200		8 240		4 790	U	4 790	U	6 870		6 080		4 790	U	4 780		4 790	U
	27-Mar-08 [2]		578 000		185 000		108 000		89 900		24 700		36 300		76 700		47 400		5 870	
	25-Apr-08		81 700		12 900		18 000		15 100		14 800		18 600		12 900		17 100		6 670	
	29-May-08		18 500		18 000		12 800		16 200		10 900		17 200		13 200		11 800		7 480	
	27-Jun-08		87 900		20 000		20 500		27 700		29 800		29 000		26 000		29 600		19 700	
	31-Jul-08		32 200		17 200		20 800		18 800		21 800		20 000		18 800		23 500		20 000	
	28-Aug-08		33 100		21 900		21 900		25 800		27 000		32 400		29 100		23 800		37 000	
	30-Sep-08		38 400		10 400		7 800		11 200		44 800		29 900		18 800		55 800		6 800	
	27-Oct-08		56 200		23 100		14 900		24 100		15 800		26 500		34 300		25 100		109 000	
	25-Nov-08		21 300		8 200		5 300		14 000		15 800		9 700		6 900		10 000		7 000	
	18-Dec-08	180 0	38 300		18 900		18 800		21 500		23 100		41 900		22 000		28 800		40 000	
	21-Jan-09		9 300		2 400		2 400	U	3 800		5 600		3 300		4 000		4 100		2 400	U
	25-Feb-09		2 400	U	2 900		2 400	U	NS		9 800		5 000		3 800		4 100		2 400	U
	26-Mar-09		14 400		10 700		6 820		11 500		13 900		12 000		10 500		12 000		9 680	
	28-Apr-09		4 750	U	5 700		7 230		8 240		19 200		8 420		7 570		8 640		7 700	
	22-Jul-09		2 370	U	13 100		16 700		11 700		28 900		29 400		17 100		18 400		11 000	
	9-Oct-09		18 500		10 100		8 220		11 000		15 500		12 000		10 600		11 800		8 570	
	15-Jan-10		11 900		8 180		5 080		6 700		7 320		7 270		5 280		8 110		6 190	
	21-Apr-10		26 700		22 000		23 200		23 200		19 300		19 600		21 800		20 800		4 860	
	16-Jul-10		26 200		18 500		13 800		18 100		38 800		24 900		40 700		18 000		14 300	
Trichlorofluoromethane	8-Feb-08		1 140		1 020		1 110		1 040		0 880		1 050		1 040		1 020		1 080	
	27-Mar-08		1 740		1 520		1 540		1 290		2 320		2 120		2 140		1 210		1 180	
	25-Apr-08		1 740		1 880		1 240		1 640		1 480		1 520		1 880		1 500		1 030	
	29-May-08		1 020		0 930		0 870		1 080		0 830		0 930		0 990		0 910		0 880	
	27-Jun-08		1 245		1 220		1 280		1 300		1 180		1 180		1 170		1 140		1 180	
	31-Jul-08		1 080		1 100		1 010		1 010		1 010		1 010		1 000		0 873		0 928	
	28-Aug-08		2 740		1 980		3 470		3 280		3 880		3 420		3 480		3 860		2 310	
	30-Sep-08	370 0	2 800	U	2 800	U	2 800	U	2 800	U	2 800	U	2 800	U	2 800	U	2 800	U	2 800	U
	27-Oct-08		2 800	U	2 800	U	2 800	U	2 800	U	2 800	U	2 800	U	2 800	U	2 800	U	2 800	U
	25-Nov-08		2 800	U	2 800	U	2 800	U	2 800	U	2 800	U	2 800	U	2 800	U	2 800	U	2 800	U
	18-Dec-08		2 800	U	2 800	U	2 800	U	2 800	U	2 800	U	2 800	U	2 800	U	2 800	U	2 800	U
	21-Jan-09		2 800	U	2 800	U	2 800	U	2 800	U	2 800	U	2 800	U	2 800	U	2 800	U	2 800	U
	25-Feb-09		2 800	U	2 800	U	2 800	U	NS		2 800	U	2 800	U	2 800	U	2 800	U	2 800	U
	26-Mar-09		1 220		1 180		1 180		1 140		1 230		1 180		1 120		1 150		1 180	
	28-Apr-09		1 490		1 170		0 951	U	1 270		1 185		1 180		1 270		1 290		1 190	
	22-Jul-09		1 950		1 820		1 82		1 800		1 830		2 080		1 540		1 900		2 120	
	9-Oct-09		1 520		1 830		0 018		1 270		1 820		1 310		1 410		1 430		1 180	
	15-Jan-10		11 900		1 280		1 210		1 290		1 210		1 290		1 220		1 370		1 240	
	21-Apr-10		4 170		3 780		2 540		3 200		3 500		3 400		2 930		3 190		1 280	
	16-Jul-10		1 470		1 470		1 480		1 470		2 180		1 470	U	1 470		1 470		1 540	
Acrylonitrile	8-Feb-08		1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U
	27-Mar-08		1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U
	25-Apr-08		1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U
	29-May-08		1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U
	27-Jun-08		1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U
	31-Jul-08		1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U
	28-Aug-08		1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U
	30-Sep-08		2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U
	27-Oct-08		2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U
	25-Nov-08		2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U
	18-Dec-08	None	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U
	21-Jan-09		2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U
	25-Feb-09		2 200	U	2 200	U	2 200	U	NS		2 200	U	2 200	U	2 200	U	2 200	U	2 200	U
	26-Mar-09		1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U
	28-Apr-09		1 080	U	1 080	U	2 740		1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U
	22-Jul-09		1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U
	9-Oct-09		1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U
	15-Jan-10		1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U
	21-Apr-10		1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U
	16-Jul-10		1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U
1 1 Dichloroethene	8-Feb-08		0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U
	27-Mar-08		0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U
	25-Apr-08		0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U
	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		0 079	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U
	31-Jul-08		0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U
	28-Aug-08		0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U
	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	10 0	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U
	21-Jan-09		2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U
	25-Feb-09		2 000	U	2 000	U	2 000	U	NS		2 000	U	2 000	U	2 000	U	2 000	U	2 000	U
	26-Mar-09		0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U
	28-Apr-09		0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U
	22-Jul-09		0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 111		0 079	U	0 079	U	0 079	U
	9-Oct-09		0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U
	15-Jan-10		0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U
	21-Apr-10		0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	079	U	0 079	U	0 079	U	0 079	U
	16-Jul-10		0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U

Summary of Indoor Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
Feb 2008 - July 2010

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/Interim RIDEM-Approved Action Level	Kitchen Storage Rm	Qual	Cafeteria	Qual	Gymnasium	Qual	Elementary Hallway	Qual	Room 118	Qual	Room 110	Qual	Media Ctr (Rm 145)	Qual	Room 152	Qual	Ambient Outdoor	Qual
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
	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
	25-Apr-08		1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	2.240		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
	27-Jun-08		1.740	U	1.740	U	1.740	U	3.210		1.740	U	6.940		1.740	U	1.740	U	19.000	
	31-Jul-08		1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U
	28-Aug-08		1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U
	30-Sep-08		1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U
	27-Oct-08		1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U
	25-Nov-08		1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U
	18-Dec-08	3.0	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U
	21-Jan-09		1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U
	25-Feb-09		1.700	U	1.700	U	1.700	U	NS		1.700	U	1.700	U	1.700	U	1.700	U	1.700	U
	26-Mar-09		7.540		1.870		4.010		2.500		1.950		3.230		4.080		1.950		19.600	
	28-Apr-09		1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	0.147	U	1.740	U	1.740	U	1.740	U
	22-Jul-09		1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U
	9-Oct-09		1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U
	15-Jan-10		1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U
	21-Apr-10		5.410		1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U
	16-Jul-10		18.400		23.900		18.900		15.900		19.900		48.200		46.700		22.200		20.600	
trans-1,2-Dichloroethene*	8-Feb-08		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	27-Mar-08		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
	25-Apr-08		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
	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	0.078	U	0.080	U	0.080	U	0.079	U
	31-Jul-08		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
	28-Aug-08		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
	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	37.0	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U
	21-Jan-09		2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U
	25-Feb-09		2.000	U	2.000	U	2.000	U	NS		2.000	U	2.000	U	2.000	U	2.000	U	2.000	U
	26-Mar-09		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
	28-Apr-09		0.079	U	0.079	U	0.081	U	0.078	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
	22-Jul-09		0.078	U	0.079	U	0.079	U	0.078	U	0.079	U	0.079	U	0.079	U	0.079	U	0.078	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	0.078	U	0.078	U
	15-Jan-10		0.078	U	0.079	U	0.079	U	0.078	U	0.079	U	0.079	U	0.078	U	0.079	U	0.078	U
	21-Apr-10		0.078	U	0.079	U	0.079	U	0.078	U	0.078	U	0.078	U	0.078	U	0.079	U	0.078	U
	16-Jul-10		0.078	U	0.079	U	0.079	U	0.078	U	0.078	U	0.078	U	0.079	U	0.079	U	0.079	U
1,1-Dichloroethane	8-Feb-08		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	27-Mar-08		0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U
	25-Apr-08		0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U
	29-May-08		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	27-Jun-08		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	31-Jul-08		0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U
	28-Aug-08		0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U
	30-Sep-08		2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U
	27-Oct-08		2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U
	25-Nov-08		2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U
	18-Dec-08	77.0	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U
	21-Jan-09		2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U
	25-Feb-09		2.000	U	2.000	U	2.000	U	NS		2.000	U	2.000	U	2.000	U	2.000	U	2.000	U
	26-Mar-09		0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U
	28-Apr-09		0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U
	22-Jul-09		0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U
	9-Oct-09		0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U
	15-Jan-10		0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U
	21-Apr-10		0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U
	16-Jul-10		0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U
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
	27-Mar-08		0.078		0.102		0.102		0.081		0.085		0.088		0.102		0.090		0.072	U
	25-Apr-08		0.116		0.118		0.107		0.127		0.126		0.121		0.131		0.113		0.072	U
	29-May-08		0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U
	27-Jun-08		0.072	U	0.070	U	0.070	U	0.074		0.070	U	0.070	U	0.070	U	0.070	U	0.072	U
	31-Jul-08		0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U
	28-Aug-08		0.085		0.130		0.123		0.123		0.081		0.108		0.115		0.089		0.084	
	30-Sep-08		1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U
	27-Oct-08		1.800	U	1.800	U	1.800	U	1.800	U	2.800		2.300		1.800	U	1.800	U	1.800	U
	25-Nov-08		2.100		1.800	U	1.800	U	1.800	U	2.800	U	1.800	U	1.800	U	1.800	U	1.800	U
	18-Dec-08	160.0	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U
	21-Jan-09		1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U
	25-Feb-09		1.800	U	2.700		1.800	U	NS		1.800	U	2.700		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
	28-Apr-09		0.072	U	0.072	U	2.380		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		0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.169	
	9-Oct-09		0.072	U	0.072	U	0.072	U	0.072	U	0.072		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		0.072	U	0.072	U	0.072	U	0.072	U
	21-Apr-10		0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U
	16-Jul-10		0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U

Summary of Indoor Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
Feb 2008 - July 2010

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/Interim RIDEM-Approved Action Level	Kitchen Storage Rm	Qual	Cafeteria	Qual	Gymnasium	Qual	Elementary Hallway	Qual	Room 118	Qual	Room 110	Qual	Media Ctr (Rm 145)	Qual	Room 152	Qual	Ambient Outdoor	Qual
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		8.540		5.880		5.140		3.950		4.440		6.880		5.880		1.470	U
	25-Apr-08		2.140		1.470	U	1.470	U	1.470	U	1.470	U	1.470		1.470	U	1.470	U	1.470	U
	29-May-08		1.470	U	1.470	U	2.840		2.240		1.470	U	1.470	U	1.470	U	1.470	U	1.470	U
	27-Jun-08		7.980		2.520		3.810		3.890		3.050		2.420		2.840		2.340		5.880	
	31-Jul-08		2.080		1.720		3.060		1.850		2.080		2.160		1.470	U	1.490	U	1.470	U
	28-Aug-08		2.280		1.790		3.980		3.980		1.470	U	1.470	U	1.470	U	1.470	U	1.470	U
	30-Sep-08		1.500	U	1.500	U	1.500	U	1.500	U	2.200		1.500	U	1.500	U	6.100		1.500	U
	27-Oct-08		1.900		3.700		1.500	U	1.500	U	1.500	U	2.000		1.500		2.300		2.800	
	25-Nov-08		2.800		1.500	U	1.500	U	1.800		1.500	U	1.500	U	2.900		1.500	U	1.600	U
	18-Dec-08	500.0	1.500	U	1.500	U	1.500	U	1.500	U	1.500	U	1.500	U	1.500	U	1.500	U	1.500	U
	21-Jan-09		1.500	U	1.500	U	1.500	U	1.500	U	1.500	U	1.500	U	1.500	U	1.500	U	1.500	U
	25-Feb-09		1.500	U	1.500	U	NS		1.500	U	1.500	U	1.500	U	1.500	U	1.500	U	1.500	U
	26-Mar-09		2.410		1.560		1.470	U	1.470	U	1.560	U	1.470	U	1.470	U	1.470	U	1.470	U
	29-Apr-09		1.470	U	1.470	U	1.470	U	1.480	U	1.470	U	1.470	U	1.740		1.480	U	4.360	
	22-Jul-09		1.470	U	1.470	U	4.750		1.470	U	2.070		21.900		1.740		1.470	U	1.470	U
	9-Oct-09		1.470	U	1.470	U	1.540		1.640		1.470	U	1.470	U	1.470	U	1.470	U	1.470	U
	15-Jan-10		8.610		1.470	U	1.470	U	1.470	U	1.470	U	1.470	U	1.470	U	1.470	U	1.470	U
	21-Apr-10		1.850		1.470	U	2.770		1.580		1.480		1.470	U	24.800		1.870		1.830	
	16-Jul-10		2.520		1.900		2.100		2.210		1.180		2.800							
cis 1,2-Dichloroethene*	8-Feb-08		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	27-Mar-08		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	25-Apr-08		0.080	U	0.080	U	0.080	U	0.100		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	29-May-08		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	27-Jun-08		0.080	U	0.079	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.079	U
	31-Jul-08		0.079	U	0.079	U	0.079	U	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	0.079	U
	28-Aug-08		0.079	U	0.079	U	0.078	U	0.078	U	0.079	U	0.078	U	0.082		0.079	U	0.080	U
	30-Sep-08		5.900	U	5.900	U	5.900	U	5.900	U	5.900	U	5.900	U	5.900	U	5.900	U	5.900	U
	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	18.0	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	NS		2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U
	26-Mar-09		0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	0.079	U
	29-Apr-09		0.078	U	0.079	U	0.078	U	0.079	U	0.079	U	0.079	U	0.127		0.079	U	0.079	U
	22-Jul-09		0.078	U	0.079	U	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U
	9-Oct-09		0.078	U	0.079	U	0.078	U	0.079	U	0.079	U	0.079	U	0.079	U	0.078	U	0.078	U
	15-Jan-10		0.078	U	0.079	U	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U
	21-Apr-10		0.078	U	0.780		0.078	U	0.078	U	0.079	U	0.078	U	0.079	U	0.078	U	0.079	U
	16-Jul-10		0.079	U	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U						
Chloroform	8-Feb-08		0.110		0.110		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U
	27-Mar-08		0.840		0.690		0.593		0.523		0.440		0.337		0.605		0.503		0.098	
	25-Apr-08		0.168		0.210		0.103		0.122		0.125		0.134		0.110		0.130		0.085	
	29-May-08		0.110		0.150		0.100		0.110		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U
	27-Jun-08		0.238		0.257		0.202		0.207		0.196		0.200		0.245		0.223		0.167	
	31-Jul-08		0.230		0.151		0.138		0.184		0.204		0.227		0.098	U	0.109	U	0.098	U
	28-Aug-08		0.142		0.373		0.208		0.312		0.288		0.852		0.269		0.271		0.295	
	30-Sep-08		0.490	U	0.490	U	0.490	U	0.490	U	0.490	U	0.490	U	0.490	U	0.490	U	0.490	U
	27-Oct-08		0.490	U	0.490	U	0.490	U	0.490	U	0.490	U	0.490	U	0.490	U	0.490	U	0.490	U
	25-Nov-08		0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.243		0.240	U	0.240	U
	18-Dec-08	0.5	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U
	21-Jan-09		0.240	U	0.240	U	0.240	U	0.240	U	0.242	U	0.240	U	0.240	U	0.240	U	0.240	U
	25-Feb-09		0.240	U	0.240	U	0.240	U	NS		0.240	U	0.240	U	0.240	U	0.240	U	0.240	U
	26-Mar-09		0.230		0.140		0.150		0.135		0.153		0.119		0.098	U	0.109	U	0.098	U
	29-Apr-09		0.150		0.122		0.098	U	0.102		0.102		0.098	U	0.148		0.085	U	0.085	U
	22-Jul-09		0.228		0.151		0.188		0.141		0.205		0.180		0.148		0.171		0.439	
	9-Oct-09		0.878		0.098	U	0.283		0.302		0.283		0.307		0.322		0.302		0.171	
	15-Jan-10		0.527		0.473		0.122		0.132		0.112		0.117		0.117		0.180		1.070	
	21-Apr-10		0.156		0.780		0.205		0.771		0.135		0.141		1.480		0.224		0.098	U
	16-Jul-10		0.317		0.249		0.141		0.187		0.190		0.141		0.258		0.158		0.132	
1,2-Dichloroethane	8-Feb-08		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	27-Mar-08		0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U
	25-Apr-08		0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U
	29-May-08		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	27-Jun-08		0.080	U	0.081	U	0.080	U	0.084	U	0.080	U	0.080	U	0.178		0.080	U	0.081	U
	31-Jul-08		0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U
	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		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	27-Oct-08		0.080	U	0.155		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	25-Nov-08		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	18-Dec-08	0.07/0.08	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
	21-Jan-09		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	25-Feb-09		0.080	U	0.080	U	0.080	U	NS		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	26-Mar-09		0.102		0.084		0.087		0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U
	29-Apr-09		0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U
	22-Jul-09		0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U
	9-Oct-09		0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U
	15-Jan-10		0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.082		0.081	U
	21-Apr-10		0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U
	16-Jul-10		0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.087	U	0.081	U	0.081	U

Summary of Indoor Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
Feb 2008 - July 2010

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/Interim RIDEM-Approved Action Level	Kitchen Storage Rm	Qual	Cafeteria	Qual	Gymnasium	Qual	Elevator Hallway	Qual	Room 118	Qual	Room 110	Qual	Media Cntr (Rm 145)	Qual	Room 152	Qual	Ambient Outdoor	Qual
1,1,1-Trichloroethane*	8-Feb-08		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	27-Mar-08		0.109	U	0.108	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		0.108	U	0.108	U	0.108	U	0.108	U	0.108	U	0.108	U	0.108	U	0.109	U	0.108	U
	29-May-08		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	27-Jun-08		0.110	U	0.110	U	0.110	U	0.110	U	0.109	U	0.109	U	0.110	U	0.110	U	0.109	U
	31-Jul-08		0.108	U	0.108	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		0.108	U	0.108	U	0.108	U	0.108	U	0.109	U	0.108	U	0.108	U	0.109	U	0.109	U
	30-Sep-08		2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U
	27-Oct-08		3.400	U	3.400	U	3.400	U	3.140	U	3.400	U	3.400	U	3.400	U	3.400	U	3.400	U
	25-Nov-08		2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U
	18-Dec-08	500.0	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U
	21-Jan-09		2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U
	25-Feb-09		2.700	U	2.700	U	2.700	U	NS		2.700	U	2.700	U	2.700	U	2.700	U	2.700	U
	26-Mar-09		0.109	U	0.108	U	0.109	U	0.109	U	0.109	U	0.108	U	1.090		0.108	U	0.109	U
	29-Apr-09		0.120		0.108	U	0.109	U	0.109	U	0.109	U	0.153		0.229		0.174		0.272	
	22-Jul-09		0.109	U	0.108	U	0.109	U	0.109	U	0.109	U	0.108	U	0.109	U	0.109	U	0.109	U
	9-Oct-09		0.109	U	0.108	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.108	U	0.109	U
	15-Jan-10		0.108	U	0.108	U	0.108	U	0.109	U	0.109	U	0.108	U	0.109	U	0.109	U	0.109	U
	21-Apr-10		0.109	U	0.108	U	0.109	U	0.109	U	0.109	U	0.109	U	0.108	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
Benzene	8-Feb-08		0.910		0.840		0.730		0.780		0.810		0.800		0.750		0.790		0.870	
	27-Mar-08		1.420		1.950		1.630		1.420		0.218		2.110		1.730		1.680		0.972	
	25-Apr-08		1.380		1.300		0.836		1.400		1.190		1.270		1.190		1.120		0.413	
	29-May-08		0.370		0.430		0.360		0.400		0.360		0.450		0.410		0.510		0.230	
	27-Jun-08		0.631		0.600		0.666		0.644		0.657		0.604		0.648		0.582		0.726	
	31-Jul-08		0.568		0.477		0.419		0.451		0.526		0.485		0.578		0.560		0.405	
	28-Aug-08		1.180		1.110		1.010		0.953		0.975		1.060		1.060		1.020		1.280	
	30-Sep-08		1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	0.264	1.800	U	1.800	U
	27-Oct-08		2.100		1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.900		3.800	
	25-Nov-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
	18-Dec-08	3.5	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U
	21-Jan-09		1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U
	25-Feb-09		1.800	U	1.800	U	1.800	U	NS		1.800	U	1.800	U	1.800	U	1.800	U	1.800	U
	26-Mar-09		2.330		1.940		1.740		1.880		1.540		2.210		0.316		1.880		2.760	
	29-Apr-09		0.594		0.358		0.332		0.332		0.303		0.358		1.490		0.535		0.351	
	22-Jul-09		0.626		0.548		0.542		0.574		0.652		1.560		1.480		1.080		4.190	
	9-Oct-09		1.130		0.954		0.903		0.876		0.919		1.050		1.070		0.996		1.100	
	15-Jan-10		1.870		1.510		1.340		1.480		1.420		1.450		1.540		1.580		1.370	
	21-Apr-10		1.020		1.320		1.080		1.180		1.270		1.210		1.270		1.240		0.339	
	16-Jul-10		0.319	U	0.318	U	0.318	U	0.318	U	0.318	U	0.318	U	0.495		0.319	U	0.318	U
Carbon tetrachloride	8-Feb-08		0.500		0.480		0.440		0.450		0.460		0.470		0.470		0.470		0.470	
	27-Mar-08		0.540		0.541		0.547		0.537		0.580		0.577		0.552		0.586		0.585	
	25-Apr-08		0.436		0.438		0.405		0.441		0.448		0.438		0.485		0.450		0.418	
	29-May-08		0.470		0.470		0.450		0.470		0.480		0.490		0.520		0.480		0.480	
	27-Jun-08		0.544		0.535		0.529		0.534		0.526		0.535		0.585		0.547		0.557	
	31-Jul-08		0.526		0.532		0.529		0.554		0.554		0.542		0.564		0.561		0.557	
	28-Aug-08		0.552		0.546		0.561		0.545		0.566		0.559		0.566		0.572		0.561	
	30-Sep-08		0.489		0.448		0.404		0.497		0.481		0.250	U	0.491		0.531		0.547	
	27-Oct-08		0.370		0.510		0.260		0.450		0.260		0.510		0.270		0.480		0.480	
	25-Nov-08		0.400		0.400		0.400		0.440		0.420		0.350		0.370		0.470		0.470	
	18-Dec-08	0.5	0.350		0.330		0.440		0.410		0.420		0.350		0.340		0.310		0.520	
	21-Jan-09		0.490		0.480		0.570		0.480		0.500		0.450		0.570		0.540		0.520	
	25-Feb-09		0.380		0.180		0.380		NS		4.000		0.400		0.410		0.480		0.440	
	26-Mar-09		0.588		0.592		0.542		0.561		0.584		0.561		0.568		0.542		0.604	
	29-Apr-09		0.534		0.522		0.587		0.534		0.538		0.622		0.578		0.559		0.515	
	22-Jul-09		0.597		0.591		0.585		0.597		0.585		0.585		0.578		0.585		0.591	
	9-Oct-09		0.503		0.568		0.471		0.497		0.471		0.497		0.478		0.484		0.478	
	15-Jan-10		0.585		0.603		0.578		0.597		0.585		0.610		0.618		0.610		0.635	
	21-Apr-10		0.490		0.547		0.559		0.484		0.126	U	0.459		0.530		0.480		0.484	
	16-Jul-10		0.497		0.503		0.484		0.526		0.485		0.547		0.484		0.484		0.541	
1,2-Dichloropropane	8-Feb-08		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	27-Mar-08		0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U
	25-Apr-08		0.082	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
	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
	27-Jun-08		0.092	U	0.092	U	0.090	U	0.090	U	0.090	U	0.090	U	0.092	U	0.092	U	0.092	U
	31-Jul-08		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
	28-Aug-08		0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U
	30-Sep-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
	27-Oct-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
	25-Nov-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
	18-Dec-08	0.13	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
	21-Jan-09		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
	25-Feb-09		0.090	U	0.090	U	0.090	U	NS		0.090	U	0.090	U	0.090	U	0.090	U	0.090	U
	26-Mar-09		0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U
	29-Apr-09		0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U
	22-Jul-09		0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U
	9-Oct-09		0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U
	15-Jan-10		0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U
	21-Apr-10		0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U
	16-Jul-10		0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U

Summary of Indoor 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	Qual	Cafeteria	Qual	Gymnasium	Qual	Elevator Hallway	Qual	Room 118	Qual	Room 110	Qual	Media Cntr (Rm 145)	Qual	Room 152	Qual	Ambient Outdoor	Qual
Bromodichloromethane	8-Feb-08		0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U
	27-Mar-08		0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U
	25-Apr-08		0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U
	29-May-08		0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U
	27-Jun-08		0.134	U	0.134	U	0.130	U	0.130	U	0.134	U	0.130	U	0.231		0.134	U	0.134	U
	31-Jul-08		0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U
	28-Aug-08		0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U
	30-Sep-08		0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U
	27-Oct-08		0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U
	25-Nov-08		0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U
	18-Dec-08	0.034/0.13	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
	21-Jan-09		0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U
	25-Feb-09		0.130	U	0.130	U	0.130	U	NS		0.130	U	0.130	U	0.130	U	0.130	U	0.130	U
	26-Mar-09		0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U
	29-Apr-09		0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U
	22-Jul-09		0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U
	9-Oct-09		0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U
	15-Jan-10		0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U
	21-Apr-10		0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U
	16-Jul-10		0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U
Trichloroethene*	8-Feb-08		0.110		0.120		0.110	U	0.107	U	0.110	U	0.110	U	0.350		0.110	U	0.110	U
	27-Mar-08		0.239		0.233		0.218		0.229		0.325		0.308		0.217		0.170		0.107	U
	25-Apr-08		0.107	U	0.184		0.147		0.272		0.151		0.152		0.159		0.228		0.107	U
	29-May-08		0.110	U	0.110	U	0.110	U	0.107	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	27-Jun-08		0.110	U	0.110	U	0.110	U	0.107	U	0.110	U	0.107	U	0.143		0.105		0.107	U
	31-Jul-08		0.113		0.107	U	0.107	U	0.107	U	0.107	U	0.107	U	0.157	U	0.107	U	0.107	U
	28-Aug-08		0.183		0.116		0.107	U	0.107	U	0.149		0.134		0.110		0.107	U	0.107	U
	30-Sep-08		0.800	U	0.800	U	0.800	U	0.800	U	0.800	U	0.800	U	0.800	U	0.800	U	0.800	U
	27-Oct-08		0.800	U	0.800	U	0.800	U	0.800	U	0.800	U	0.800	U	0.800	U	0.800	U	0.800	U
	25-Nov-08		0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U
	18-Dec-08	1.0	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U
	21-Jan-09		0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U
	25-Feb-09		0.110	U	0.110	U	0.110	U	NS		0.110	U	0.110	U	0.110	U	0.110	U	0.130	
	26-Mar-09		4.000		0.326		1.590		0.436		0.638		1.810		1.180		0.450		6.870	
	29-Apr-09		0.107	U	0.107	U	1.540		0.107	U	0.107	U	0.107	U	0.140		0.177		0.209	
	22-Jul-09		0.177		0.107		0.188		0.123		0.183		0.709		0.158		0.158		0.107	U
	9-Oct-09		0.231		0.215		0.182		0.185		0.242		0.198		0.158		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
	21-Apr-10		0.247		0.580		0.278		0.505		0.378		0.380		0.418		0.458		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
cis 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
	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
	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
	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
	27-Jun-08		0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.185		0.090	U	0.091	U
	31-Jul-08		0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U
	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
	30-Sep-08		0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U	0.180	U
	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
	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
	18-Dec-08	None	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
	25-Feb-09		0.180	U	0.180	U	0.180	U	NS		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
	29-Apr-09		0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U
	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
	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
	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
	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
	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
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	2.135	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		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	37.0	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U
	21-Jan-09		2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U
	25-Feb-09		2.000	U	2.000	U	2.000	U	NS		2.000	U	2.000	U	2.000	U	2.000	U	2.000	U
	26-Mar-09		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

Date Modified 9/30/2010

Summary of Indoor Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
Feb 2008 - July 2010

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/Interim RIDEM-Approved Action Level	Kitchen Storage Rm	Qual	Cafeteria	Qual	Gymnasium	Qual	Elevator Hallway	Qual	Room 116	Qual	Room 110	Qual	Media Ctr (Rm 145)	Qual	Room 152	Qual	Ambient Outdoor	Qual
trans-1,3-Dichloropropene	8-Feb-08		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.090	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
	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
	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
	27-Jun-08		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.340		0.080	U	0.091	U
	31-Jul-08		0.090	U	0.090	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U
	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
	30-Sep-08		0.180	U	0.180	U	0.200		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
	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
	18-Dec-08	None	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
	25-Feb-09		0.180	U	0.180	U	0.180	U	NS		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
	29-Apr-09		0.091	U	0.091	U	0.107		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
	8-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
	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
	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
	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
1,1,2-Trichloroethane	8-Feb-08		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	27-Mar-08		0.109	U	0.109	U	0.108	U	0.109	U	0.109	U	0.108	U	0.112	U	0.109	U	0.109	U
	25-Apr-08		0.108	U	0.108	U	0.108	U	0.109	U	0.109	U	0.108	U	0.108	U	0.109	U	0.109	U
	29-May-08		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	27-Jun-08		0.108	U	0.108	U	0.109	U	0.110	U	0.110	U	0.110	U	0.302		0.109	U	0.110	U
	31-Jul-08		0.109	U	0.108	U	0.108	U	0.109	U	0.109	U	0.108	U	0.108	U	0.108	U	0.109	U
	28-Aug-08		0.108	U	0.109	U	0.109	U	0.109	U	0.109	U	0.108	U	0.109	U	0.109	U	0.109	U
	30-Sep-08		0.110	U	0.110	U	0.200		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	27-Oct-08		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	25-Nov-08		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	18-Dec-08	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
	21-Jan-09		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	25-Feb-09		0.110	U	0.110	U	0.110	U	NS		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	26-Mar-09		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
	29-Apr-09		0.109	U	0.108	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
	22-Jul-09		0.109	U	0.108	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
	8-Oct-09		0.109	U	0.108	U	0.108	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	0.108	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
	21-Apr-10		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
	16-Jul-10		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
Toluene	8-Feb-08		1.240		1.140		1.120		1.150		1.240		0.960		0.910		1.030		1.460	
	27-Mar-08		6.470		4.040		4.520		4.150		5.920		5.570		4.210		4.040		1.960	
	25-Apr-08		4.800		4.000		2.810		3.900		3.790		4.070		4.010		3.880		0.465	
	29-May-08		0.930		0.790		1.630		1.530		0.970		1.080		1.020		0.870		0.320	
	27-Jun-08		3.870		3.060		3.200		2.890		4.110		3.640		4.520		3.020		2.410	
	31-Jul-08		2.760		2.020		2.850		1.960		2.720		2.200		1.880		1.440		1.850	
	28-Aug-08		5.230		5.860		7.800		7.530		9.920		8.640		5.880		5.240		8.050	
	30-Sep-08		1.900	U	1.800	U	2.500		1.900	U	5.000		1.800	U	1.900	U	2.300		1.900	U
	27-Oct-08		8.700		8.300		3.500		6.100		2.700		5.900		3.800		6.800		8.400	
	25-Nov-08		5.500		1.900	U	1.900	U	2.000		1.900	U	1.900	U	1.900	U	1.900	U	1.900	U
	18-Dec-08	210.0	1.900	U	1.800	U	1.900	U	1.900	U	1.900	U	1.800	U	1.900	U	1.900	U	1.800	U
	21-Jan-09		1.900	U	1.800	U	1.900	U	1.900	U	1.900	U	1.800	U	1.900	U	1.900	U	1.800	U
	25-Feb-09		1.900	U	1.800	U	1.900	U	NS		1.900	U	1.800	U	1.900	U	1.900	U	1.900	U
	26-Mar-09		8.110		4.080		3.890		3.540		3.900		4.730		5.870		8.080		5.310	
	29-Apr-09		0.779		0.585		0.079	U	0.704		1.050		0.585		0.614		0.810		0.953	
	22-Jul-09		1.530		1.010		2.540		1.130		3.150		3.410		3.880		7.870		8.850	
	8-Oct-09		4.740		3.890		4.190		3.900		4.900		4.170		4.220		4.080		4.580	
	15-Jan-10		1.920		1.580		1.520		1.840		1.580		1.540		1.870		1.830		2.880	
	21-Apr-10		4.770		8.810		5.220		7.430		4.490		4.140		4.010		1.900		0.414	
	16-Jul-10		2.070		1.210		1.180		1.380		2.250		1.570		3.760		1.330		0.787	
Dibromochloromethane	8-Feb-08		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U
	27-Mar-08		0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U
	25-Apr-08		0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U
	29-May-08		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U
	27-Jun-08		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.098	U	0.308		0.100	U	0.098	U
	31-Jul-08		0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U
	28-Aug-08		0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U
	30-Sep-08		4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U
	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		4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U
	18-Dec-08	None	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U
	21-Jan-09		4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U
	25-Feb-09		4.200	U	4.200	U	4.200	U	NS		4.200	U	4.200	U	4.200	U	4.200	U	4.200	U
	26-Mar-09		0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U
	29-Apr-09		0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U
	22-Jul-09		0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U
	8-Oct-09		0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U
	15-Jan-10		0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U
	21-Apr-10		0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U
	16-Jul-10		0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U

Summary of Indoor Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
Feb 2008 - July 2010

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/Interim RIDEM-Approved Action Level	Kitchen Storage Rm	Qual	Cafeteria	Qual	Gymnasium	Qual	Elevator Hallway	Qual	Room 119	Qual	Room 110	Qual	Media Cntr (Rm 145)	Qual	Room 152	Qual	Ambient Outdoor	Qual
1,2-Dibromoethane (EDB)	8-Feb-08		0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U
	27-Mar-08		0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U
	25-Apr-08		0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U
	29-May-08		0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U
	27-Jun-08		0.150	U	0.150	U	0.154	U	0.154	U	0.150	U	0.150	U	0.029	J	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
	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
	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
	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
	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
	18-Dec-08	0.0026/0.15	0.150	U	0.150	U	0.280		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
	25-Feb-09		0.150	U	0.150	U	0.150	U	NS		0.150	U	0.150	U	0.154	U	0.154	U	0.154	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
	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
	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
	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
	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
	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
	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
Tetrachloroethene*	8-Feb-08		0.140	U	0.140	U	0.140	U	0.150		0.140	U	0.140	U	0.140	U	0.140	U	0.950	
	27-Mar-08		12.500		8.620		15.300		18.100		26.000		7.730		23.300		4.310		0.153	
	25-Apr-08		0.180		0.254		0.179		0.282		0.231		0.276		4.310		0.298		0.138	
	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		0.248		0.448		0.397		0.498		0.424		0.243		0.480		0.248		0.218	
	31-Jul-08		1.030		1.000		0.677		0.880		0.785		0.672		0.252		0.287		0.154	
	28-Aug-08		0.321		0.387		0.265		0.323		0.274		0.434		0.284		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	5.0	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	NS		3.400	U	3.400	U	1.320		1.860		1.380	
	26-Mar-09		1.530		1.270		1.170		0.980		1.080		0.136	U	0.138	U	0.138	U	0.138	U
	29-Apr-09		0.138	U	0.136	U	0.887		0.136	U	0.138	U	0.136	U	0.183		0.210		0.535	
	22-Jul-09		0.291		0.190		0.224		0.198		0.188		0.198		2.080		1.840		0.778	
	9-Oct-09		2.290		1.550		1.580		1.580		1.360		1.700		3.460		0.312		2.450	
	15-Jan-10		0.359		0.348		0.338		0.373		0.312		3.460		0.447		0.474		0.582	
	21-Apr-10		0.837		0.752		0.440		0.650		0.508		0.447		0.407		0.474		0.230	
	16-Jul-10		0.318		0.420		0.420		0.427		0.501		0.230		0.447					
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	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	0.137	U	0.140	U	0.140	U	0.179		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
	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
	30-Sep-08		0.140	U	0.140	U	0.140	U	0.137	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	27-Oct-08		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	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
	18-Dec-08	0.082/0.14	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	21-Jan-09		0.140	U	0.140	U	5.000		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	25-Feb-09		0.140	U	0.140	U	0.320		NS		0.140	U	0.140	U	0.137	U	0.137	U	0.137	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
	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
	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
	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
	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
	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
	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
Chloroethene	8-Feb-08		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	27-Mar-08		0.082	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
	25-Apr-08		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
	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		0.082	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.314		0.082	U	0.082	U
	31-Jul-08		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
	28-Aug-08		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
	30-Sep-08		2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U
	27-Oct-08		2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U
	25-Nov-08		2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U
	18-Dec-08	37.0	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U
	21-Jan-09		2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U
	25-Feb-09		2.300	U	2.300	U	2.300	U	NS		2.300	U	2.300	U	2.300	U	2.300	U	2.300	U
	26-Mar-09		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
	29-Apr-09		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
	22-Jul-09		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
	9-Oct-09		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
	15-Jan-10		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
	21-Apr-10		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
	16-Jul-10		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

Date Modified: 9/30/2010

Summary of Indoor Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
Feb 2008 - July 2010

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/Interim RIDEM Approved Action Level	Kitchen Storage Rm	Qual	Cafeteria	Qual	Gymnasium	Qual	Elevator Hydraulic	Qual	Room 118	Qual	Room 110	Qual	Media Cntr (Rm 145)	Qual	Room 152	Qual	Ambient Outdoor	Qual
Ethylbenzene	8-Feb-08		0.280		0.230		0.820		0.450		0.250		0.170		0.160		0.180		0.220	
	27-Mar-08		0.841		0.869		8.020		0.869		0.894		1.000		0.438		0.618		0.098	
	25-Apr-08		0.770		0.837		2.200		0.711		0.878		0.712		0.705		0.650		0.087	U
	29-May-08		0.140		0.120		1.310		0.820		0.120		0.180		0.150		0.110		0.090	U
	27-Jun-08		0.555		0.412		1.080		0.697		0.479		0.400		0.802		0.360		0.369	
	31-Jul-08		0.553		0.448		1.140		0.424		0.426		0.491		0.262		0.218		0.295	
	28-Aug-08		0.888		1.150		3.010		2.820		0.761		0.954		0.870		0.783		0.944	
	30-Sep-08		2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	11.000		2.200	U
	27-Oct-08		2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U
	25-Nov-08		2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U
	18-Dec-08	53.0	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U
	21-Jan-09		2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U
	25-Feb-09		2.200	U	2.200	U	3.650		NS		2.200	U	2.200	U	2.200	U	2.200	U	2.200	U
	26-Mar-09		0.932		0.803		1.120		1.080		0.519		0.846		0.738		0.588		0.727	
	29-Apr-09		0.195		0.234		0.833		0.538		0.195		0.139		0.139		0.152		0.178	
	22-Jul-09		0.442		0.212		1.080		0.781		0.561		0.625		0.807		0.542		1.180	
	9-Oct-09		0.859		0.758		1.090		1.030		0.784		0.881		0.899		0.633		0.746	
	15-Jan-10		0.447		0.334		0.388		0.561		0.321		0.246		0.273		0.252		0.286	
	21-Apr-10		0.488		0.716		1.260		0.812		0.881		0.603		0.542		0.538		0.087	U
	16-Jul-10		0.334		0.226		0.416		0.409		0.573		0.269		0.872		0.260		0.143	
p,m-Xylene	8-Feb-08		0.710		0.880		2.110		1.460		0.650		0.450		0.390		0.420		0.580	
	27-Mar-08		2.467		2.090		3.510		2.880		2.820		2.880		1.810		1.810		0.269	
	25-Apr-08		2.230		1.870		8.240		2.170		1.980		2.080		2.150		1.850		0.205	
	29-May-08		0.350		0.290		5.110		2.260		0.290		0.410		0.340		0.250		0.170	U
	27-Jun-08		1.080		1.080		3.260		3.000		1.250		0.994		2.160		0.928		0.795	
	31-Jul-08		1.380		1.180		3.330		1.140		1.140		1.170		0.858		0.488		0.856	
	28-Aug-08		2.150		3.220		8.490		8.200		1.810		2.150		2.280		1.980		2.240	
	30-Sep-08		4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	22.000		4.300	U
	27-Oct-08		4.300	U	4.300	U	4.300	U	9.000		4.300	U	4.300	U	4.300	U	4.300	U	4.700	
	25-Nov-08		4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U
	18-Dec-08	220.0	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U
	21-Jan-09		4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U
	25-Feb-09		4.300	U	4.300	U	15.000		NS		4.300	U	4.300	U	4.300	U	4.300	U	4.300	U
	26-Mar-09		3.080		2.650		4.530		4.340		1.980		1.980		2.340		1.870		2.310	
	29-Apr-09		0.458		0.733		0.534		1.950		0.477		0.508		0.312		0.347		0.442	
	22-Jul-09		0.920		0.577		2.660		0.824		1.560		2.070		2.510		1.720		5.510	
	9-Oct-09		2.810		2.240		3.380		3.180		2.200		2.080		1.980		1.810		2.290	
	15-Jan-10		1.080		0.815		1.040		0.948		0.724		0.803		0.672		0.807		0.672	
	21-Apr-10		1.200		2.000		4.360		1.810		1.800		1.870		1.430		1.350		0.174	U
	16-Jul-10		0.868		0.586		1.290		1.120		1.290		0.729		1.890		0.894		0.330	
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
	27-Mar-08		0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U
	25-Apr-08		0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.210	U	0.208	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
	27-Jun-08		0.208	U	0.210	U	0.208	U	0.208	U	0.210	U	0.210	U	1.300		0.210	U	0.208	U
	31-Jul-08		0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U
	28-Aug-08		0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	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
	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
	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
	18-Dec-08	0.55	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
	25-Feb-09		0.410	U	0.410	U	0.410	U	NS		0.410	U	0.410	U	0.410	U	0.410	U	0.410	U
	26-Mar-09		0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U
	29-Apr-09		0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U
	22-Jul-09		0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U
	9-Oct-09		0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U
	15-Jan-10		0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U
	21-Apr-10		0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U
	16-Jul-10		0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U
Styrene	8-Feb-08		0.710		0.130		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	27-Mar-08		1.200		0.116		0.120		0.185		0.140		0.175		0.114		0.158		0.085	U
	25-Apr-08		0.858		0.138		0.180		0.184		0.137		0.137		0.159		0.124		0.085	U
	29-May-08		0.560		0.085	U	0.130		0.260		0.080	U	0.110		0.080		0.080	U	0.080	U
	27-Jun-08		1.810		0.085	U	0.112		0.188		0.191		0.085	U	0.451		0.080	U	0.085	U
	31-Jul-08		1.880		0.254		0.153		0.268		0.285		0.268		0.108		0.080		0.085	U
	28-Aug-08		0.854		0.368		0.262		0.392		0.263		0.185		0.189		0.140		0.108	
	30-Sep-08		2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U
	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	52.0	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U
	21-Jan-09		2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U	2.100	U
	25-Feb-09		2.100	U	2.100	U	2.100	U	NS		2.100	U	2.100	U	2.100	U	2.100	U	2.100	U
	26-Mar-09		0.814		0.113		0.140		0.110		0.125		0.111		0.126		0.138		0.122	
	29-Apr-09		0.515		0.085	U	0.138	U	0.085	U	0.138		0.085	U	0.085	U	0.085	U	0.085	U
	22-Jul-09		1.280		0.085	U	0.153		0.085	U	0.285		0.272		0.213		0.217		0.187	
	9-Oct-09		0.836		0.153		0.149		0.174		0.566		0.179		0.140		0.149		0.140	
	15-Jan-10		1.100		0.221		0.085	U	0.085	U	0.125		0.085	U	0.085	U	0.085	U	0.085	U
	21-Apr-10		0.281		0.204		0.269		0.187		0.328		0.174		0.145		0.140		0.085	U
	16-Jul-10		0.702		0.085	U	0.085	U	0.085	U	0.779		0.085	U	0.085	U	0.085	U	0.085	U

Summary of Indoor Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
Feb 2008 - July 2010

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/Interim RIDEM-Approved Action Level	Kitchen Storage Rm	Qual	Cafeteria	Qual	Gymnasium	Qual	Elevator Hallway	Qual	Room 118	Qual	Room 110	Qual	Media Cntr (Rm 145)	Qual	Room 152	Qual	Ambient Outdoor	Qual
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
	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		0.140	U	0.140	U	0.140	U	0.137	U	0.140	U	0.140	U	0.982		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
	26-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
	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
	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
	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
	18-Dec-08	0.011*0.14	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	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
	25-Feb-09		0.140	U	0.140	U	0.140	U	NS		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
	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
	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
	8-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
	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
	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
	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
o-Xylene	8-Feb-08		0.280		0.270		0.870		0.810		0.210		0.170		0.150		0.180		0.200	
	27-Mar-08		0.782		0.718		1.340		1.120		0.970		1.080		0.640		0.688		0.087	U
	25-Apr-08		0.624		0.724		3.480		0.831		0.750		0.770		0.788		0.682		0.087	U
	29-May-08		0.130		0.120		2.080		1.000		0.110		0.180		0.150		0.090	U	0.090	U
	27-Jun-08		0.483		0.385		1.030		1.030		0.486		0.396		0.833		0.338		0.332	
	31-Jul-08		0.476		0.375		0.822		0.371		0.420		0.583		0.240		0.267		0.248	
	26-Aug-08		0.779		1.020		2.210		2.180		0.883		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	2.200	U	2.200	U
	27-Oct-08		2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U
	25-Nov-08		2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U
	18-Dec-08	226.0	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U
	21-Jan-09		2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U
	25-Feb-09		2.200	U	2.200	U	2.800		NS		2.200	U	2.200	U	2.200	U	2.200	U	2.200	U
	26-Mar-09		1.080		0.796		1.080		0.551		0.718		0.824		0.451		0.826			
	29-Apr-09		0.143		0.118		0.085	U	0.442		0.185		0.103		0.104		0.105		0.156	
	22-Jul-09		0.347		0.195		0.890		0.247		0.585		0.742		0.911		0.580		1.240	
	8-Oct-09		0.810		0.724		0.954		0.920		0.784		0.784		0.720		0.659		0.759	
	15-Jan-10		0.404		0.321		0.538		0.538		0.273		0.230		0.238		0.210		0.273	
	21-Apr-10		0.425		0.868		0.758		0.577		0.628		0.620		0.564		0.482		0.087	U
	16-Jul-10		0.273		0.186		0.312		0.304		903		0.200		0.703		0.230		0.126	
Isopropylbenzene	8-Feb-08		2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U
	27-Mar-08		2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U
	25-Apr-08		2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U
	29-May-08		2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U
	27-Jun-08		2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U
	31-Jul-08		2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U
	26-Aug-08		2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	12.700		4.900	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	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
	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
	18-Dec-08	120.0	4.900	U	4.900	U	4.900	U	4.900	U	4.900	U	4.900	U	4.900	U	4.900	U	4.900	U
	21-Jan-09		4.900	U	4.900	U	4.900	U	4.900	U	4.900	U	4.900	U	4.900	U	4.900	U	4.900	U
	25-Feb-09		4.900	U	4.900	U	2.460	U	NS		4.900	U	4.900	U	4.900	U	4.900	U	4.900	U
	26-Mar-09		2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U
	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
	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
	8-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
	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
	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
	16-Jul-10		2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	2.460	U	0.643	-	2.460	U
1,3,5-Trimethylbenzene	8-Feb-08		0.460		0.450		1.500		0.980		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U
	27-Mar-08		0.535		0.852		1.620		1.530		0.252		0.438		0.258		0.334		0.088	U
	25-Apr-08		0.397		0.816		7.170		0.812		0.242		0.260		0.375		0.260		0.088	U
	29-May-08		0.170		0.220		4.710		4.050		0.140		0.540		0.470		0.100	U	0.100	U
	27-Jun-08		0.842		0.232		1.100		1.580		0.385		0.122		0.387		0.100	U	0.088	U
	31-Jul-08		1.040		0.782		0.871		1.360		0.570		1.160		0.088	U	0.088	U	0.088	U
	26-Aug-08		0.170		0.732		1.850		2.180		0.270		0.181		0.181		0.195		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	8.300		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	9.3	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		2.500	U	2.500	U	0.248		0.188		0.238	
	26-Mar-09		0.330		0.315		0.878		0.542		0.184		0.195		0.088	U	0.088	U	0.088	U
	29-Apr-09		0.088	U	0.183		0.878		0.829		0.088	U	0.088	U	0.088	U	0.088	U	0.088	U
	22-Jul-09		0.378		0.088	U	0.427		0.138		0.248		0.270		0.295		0.241		0.241	
	8-Oct-09		0.550		0.452		0.476		0.569		0.295		0.295		0.221		0.241		0.226	
	15-Jan-10		0.265		0.260		0.182		0.208		0.088	U	0.088	U	0.088	U	0.088	U	0.088	U
	21-Apr-10		0.118		0.368		2.100		2.800		0.208		0.187		0.162		0.177		0.088	U
	16-Jul-10		0.113		0.088	U	0.135		0.118		0.088	U	0.088	U	0.147		0.088	U	0.088	U

Summary of Indoor Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
Feb 2008 - July 2010

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/Interim RIDEM-Approved Action Level	Kitchen Storage Rm.	Qual	Cafeteria	Qual	Gymnasium	Qual	Elevator Hallway	Qual	Room 118	Qual	Room 110	Qual	Media Ctr (Rm 145)	Qual	Room 152	Qual	Ambient Outdoor	Qual
1,2,4-Trimethylbenzene	6-Feb-08		0.900		0.870		2.520		1.850		0.210		0.210		0.210		0.310		0.210	
	27-Mar-08		1.330		1.590		3.360		5.240		0.920		1.390		0.828		0.989		0.068	U
	25-Apr-08		0.998		1.760		11.700		1.640		0.909		0.839		0.811		0.750		0.098	U
	29-May-08		0.300		0.470		0.320		0.680		0.270		0.960		0.650		0.110		0.100	U
	27-Jun-08		1.580		0.443		2.120		3.040		0.834		0.248		0.722		0.205		0.175	
	31-Jul-08		1.890		1.380		1.180		2.080		0.958		1.940		0.207		0.142		0.157	
	28-Aug-08		0.438		1.430		3.650		5.340		0.642		0.461		0.495		0.464		0.354	
	30-Sep-08		2.500	U	2.500	U	2.500	U	2.000	U	6.800		2.500	U	2.500	U	9.100		2.500	U
	27-Oct-08		2.500	U	2.500	U	2.500	U	5.500		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	9.1	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		NS		2.500	U	2.500	U	2.500	U	2.500	U	2.500	U
	26-Mar-09		0.842		0.659		1.500		1.300		0.528		0.563		0.737		0.584		0.139	
	29-Apr-09		1.520		0.388		1.340		1.200		0.182		0.068	U	0.108		0.088		0.142	
	22-Jul-09		1.010		0.218		1.140		0.338		0.584		0.781		0.688		0.673		0.894	
	8-Oct-09		1.240		1.080		1.250		1.480		0.712		0.795		0.702		0.717		0.089	
	15-Jan-09		0.838		0.590		0.452		0.521		0.208		0.186		0.218		0.196		0.196	
	21-Apr-10		0.383		0.845		4.590		0.643		0.570		0.545		0.427	U	0.476		0.098	U
	16-Jul-10		0.354		0.216		0.388		0.344		0.250		0.138		0.511		0.187		0.108	
1,3-Dichlorobenzene	6-Feb-08		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	27-Mar-08		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	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
	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
	27-Jun-08		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.0802		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
	28-Aug-08		0.120	U	0.120	U	0.120	U	0.102	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
	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
	25-Nov-08		3.000	U	3.000	U	3.000	U	2.500	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U
	18-Dec-08	73.0	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
	25-Feb-09		3.000	U	3.000	U	3.000	U	NS		3.000	U	3.000	U	3.000	U	3.000	U	3.000	U
	26-Mar-09		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	29-Apr-09		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	22-Jul-09		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	8-Oct-09		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	15-Jan-10		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	21-Apr-10		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	16-Jul-10		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
1,4-Dichlorobenzene	6-Feb-08		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	27-Mar-08		0.282		0.272		0.208		0.568		0.728		0.793		0.228		0.237		0.120	U
	25-Apr-08		0.415		0.267		0.128		0.247		0.261		0.245		0.205		0.220		0.222	
	29-May-08		0.230		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	27-Jun-08		0.506		0.178		0.391		0.319		0.130		0.273		1.340		0.562		0.132	
	31-Jul-08		0.309		0.524		0.254		0.529		0.458		0.688		0.272		0.320		0.259	
	28-Aug-08		0.198		0.252		0.216		0.262		0.205		0.211		0.202		0.222		0.213	
	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
	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
	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
	18-Dec-08	24.0	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
	25-Feb-09		3.000	U	3.000	U	3.000	U	NS		3.000	U	3.000	U	3.000	U	3.000	U	3.000	U
	26-Mar-09		0.148		0.129		0.120	U	0.120	U	0.193		0.148		0.204		0.150		0.120	U
	29-Apr-09		0.246		0.144		0.180		1.740		0.210		0.169		0.144		0.169		0.398	
	22-Jul-09		0.188		0.120	U	0.665		0.120	U	0.174		0.204		0.144		0.270		0.444	
	8-Oct-09		0.380		0.402		0.338		0.380		0.354		0.487		0.324		0.388		0.186	
	15-Jan-10		0.156		0.186		0.120	U	0.432		0.150		0.186		0.144	U	0.120	U	0.138	
	21-Apr-10		0.120	U	0.180		0.120	U	0.356		0.150		0.158		0.126		0.126		1.200	U
	16-Jul-10		1.580		0.493		0.837		0.308		0.499		0.655		11.400		0.553		0.384	
sec-Butylbenzene	6-Feb-08		2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U
	27-Mar-08		2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U
	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
	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
	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
	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
	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
	30-Sep-08		5.500	U	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U	58.600		5.500	U
	27-Oct-08		5.500	U	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U
	25-Nov-08		5.500	U	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U
	18-Dec-08	73.0	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U
	21-Jan-09		5.500	U	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U
	25-Feb-09		5.500	U	5.500	U	5.500	U	NS		5.500	U	5.500	U	5.500	U	5.500	U	5.500	U
	26-Mar-09		2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U
	29-Apr-09		2.740	U	2.740	U	2.480	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U
	22-Jul-09		2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U
	8-Oct-09		2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U
	15-Jan-10		2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U
	21-Apr-10		2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U
	16-Jul-10		2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U

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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	Qual	Cafeteria	Qual	Gymnasium	Qual	Elevator Hallway	Qual	Room 116	Qual	Room 110	Qual	Media Ctr (Rm 145)	Qual	Room 152	Qual	Ambient Outdoor	Qual
p-Isopropyltoluene	8-Feb-08		2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U
	27-Mar-08		2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U
	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
	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
	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
	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
	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
	30-Sep-08		5.500	U	5.500	U	5.5	U	5.900	U	6.400		5.500	U	5.500	U	67.000		5.500	U
	25-Nov-08		5.500	U	5.500	U	5.500	U	5.900	U	5.5	U	5.900	U	5.500	U	5.900	U	5.500	U
	25-Nov-08		5.500	U	5.500	U	5.900	U	5.900	U	5.500	U	5.500	U	5.500	U	5.900	U	5.500	U
	18-Dec-08	67.0	5.500	U	5.500	U	5.900	U	5.900	U	5.500	U	5.500	U	5.500	U	5.900	U	5.500	U
	21-Jan-09		5.500	U	5.500	U	5.500	U	5.900	U	5.500	U	5.500	U	5.500	U	5.900	U	5.500	U
	25-Feb-09		5.500	U	5.500	U	5.900	U	NS		5.500	U	5.500	U	5.500	U	5.900	U	5.500	U
	26-Mar-09		2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U
	29-Apr-09		2.740	U	2.740	U	0.274	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U
	22-Jul-09		2.740	U	2.740	U	3.680		2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U
	9-Oct-09		2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U
	15-Jan-10		2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U
	21-Apr-10		2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U
	16-Jul-10		2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U
1,2-Dichlorobenzene	8-Feb-08		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	27-Mar-08		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	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
	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
	27-Jun-08		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	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
	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
	30-Sep-08		1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U
	27-Oct-08		1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U
	25-Nov-08		1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U
	18-Dec-08	73.0	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U
	21-Jan-09		1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U
	25-Feb-09		1.000	U	1.000	U	1.000	U	NS		1.000	U	1.000	U	1.000	U	1.000	U	1.000	U
	26-Mar-09		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	29-Apr-09		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	22-Jul-09		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	9-Oct-09		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	15-Jan-10		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	21-Apr-10		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	16-Jul-10		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
n-Butylbenzene	8-Feb-08		2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U
	27-Mar-08		2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U
	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
	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
	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
	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
	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
	30-Sep-08		5.500	U	5.500	U	5.500	U	5.900	U	23.300		5.500	U	5.500	U	73.000		5.500	U
	27-Oct-08		5.500	U	5.500	U	5.500	U	5.900	U	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U
	25-Nov-08		5.500	U	5.500	U	5.500	U	5.900	U	5.500	U	5.500	U	5.500	U	5.500	U	5.500	U
	18-Dec-08	73.0	5.500	U	5.500	U	5.500	U	5.900	U	5.500	U	5.500	U	5.500	U	5.900	U	5.500	U
	21-Jan-09		5.500	U	5.500	U	5.500	U	5.900	U	5.500	U	5.500	U	5.500	U	5.900	U	5.500	U
	25-Feb-09		5.500	U	5.500	U	6.300		NS		5.500	U	5.500	U	5.500	U	5.900	U	5.500	U
	26-Mar-09		2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U
	29-Apr-09		2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U
	22-Jul-09		2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U
	9-Oct-09		2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U
	15-Jan-10		2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U
	21-Apr-10		2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U
	16-Jul-10		2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U	2.740	U

Notes:

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

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

* = Site Specific Compound of Concern per ATSDR Health Consultation December 4, 2008

1 Elevated Data is a result of instrument 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

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

Date Modified: 9/30/2010

ALPHA ANALYTICAL

ANALYTICAL REPORT

Lab Number:	L1010918
Client:	EA Engineering, Science and Tech 2350 Post Road Warwick, RI 02886
ATTN:	Frank Postma
Phone:	(401) 736-3440
Project Name:	ALVAREZ HIGH SCHOOL
Project Number:	14687.01
Report Date:	07/26/10

Certifications & Approvals: **MA** (M-MA030), **NY** (11627), **CT (PH-0141), NH** (2206), **NJ** (MA015), **RI (LAO00299), ME (MA0030), PA (Registration** #68-02089), LA NELAC (03090), **FL** NELAC **(E87814), US** Army Corps **of** Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1010918
Report Date: 07/26/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1010918-01	CAFETERIA	PROVIDENCE, RI	07/16/10 10:32
L1010918-02	KITCHEN STORAGE RM	PROVIDENCE, RI	07/16/10 10:34
L1010918-03	GYM	PROVIDENCE, RI	07/16/10 10:35
L1010918-04	ELEVATOR HALLWAY	PROVIDENCE, RI	07/16/10 10:42
L1010918-05	ROOM 145	PROVIDENCE, RI	07/16/10 10:42
L1010918-06	ROOM 152	PROVIDENCE, RI	07/16/10 10:43
L1010918-07	ROOM 118	PROVIDENCE, RI	07/16/10 10:45
L1010918-08	ROOM 110	PROVIDENCE, RI	07/16/10 10:46
L1010918-09	AMBIENT OUTDOOR	PROVIDENCE, RI	07/16/10 12:33

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1010918
Report Date: 07/26/10

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

The canister certification results are provided as an addendum.
The internal standards were within method criteria.

L1010918-03 and -04: The RPD of the pre- and post-flow controller calibration check (33% and 27% RPD, respectively) was outside acceptable limits (< or = 20% RPD).

Volatile Organics in Air (SIM)
The WG423835-3 LCS recovery for Methylene chloride (132%) is outside the 70%-130% acceptance limit.
The LCS was within overall method allowances, therefore the analysis proceeded.

WG423835-5: The relative percent difference for 2-Butanone is above the RPD limit of 25% at 28%. This compound represented less than 10% of the compounds detected, therefore no further action was taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kathleen M. O'Brien Kathleen O'Brien

Title: Technical Director/Representative Date: 07/26/10

AIR

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010918
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010918-01
Client ID: CAFETERIA
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/21/10 22:01
Analyst: RY

Date Collected: 07/16/10 10:32
Date Received: 07/19/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.519	0.050	–	2.56	0.247	–		1
Chloromethane	0.804	0.500	–	1.66	1.03	–		1
Vinyl chloride	ND	0.020	–	ND	0.051	–		1
Chloroethane	ND	0.020	–	ND	0.053	–		1
Acetone	6.95	2.00	–	16.5	4.75	–		1
Trichlorofluoromethane	0.262	0.050	–	1.47	0.281	–		1
Acrylonitrile	ND	0.500	–	ND	1.08	–		1
1,1-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Methylene chloride	6.71	1.00	–	23.3	3.47	–		1
trans-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
1,1-Dichloroethane	ND	0.020	–	ND	0.081	–		1
Methyl tert butyl ether	ND	0.020	–	ND	0.072	–		1
2-Butanone	0.645	0.500	–	1.90	1.47	–		1
cis-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Chloroform	0.051	0.020	–	0.249	0.098	–		1
1,2-Dichloroethane	ND	0.020	–	ND	0.081	–		1
1,1,1-Trichloroethane	ND	0.020	–	ND	0.109	–		1
Benzene	ND	0.100	–	ND	0.319	–		1
Carbon tetrachloride	0.080	0.020	–	0.503	0.126	–		1
1,2-Dichloropropane	ND	0.020	–	ND	0.092	–		1
Bromodichloromethane	ND	0.020	–	ND	0.134	–		1
Trichloroethene	ND	0.020	–	ND	0.107	–		1
cis-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1
4-Methyl-2-pentanone	ND	0.500	–	ND	2.05	–		1
trans-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010918
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010918-01
Client ID: CAFETERIA
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 10:32
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	0.321	0.020	--	1.21	0.075	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	0.062	0.020	--	0.420	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	0.052	0.020	--	0.226	0.087	--		1
p/m-Xylene	0.131	0.040	--	0.568	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.043	0.020	--	0.186	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	0.044	0.020	--	0.216	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	0.082	0.020	--	0.493	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010918
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010918-01
Client ID: CAFETERIA
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 10:32
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	104		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	97		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010918
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010918-02
Client ID: KITCHEN STORAGE RM
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/21/10 23:18
Analyst: RY

Date Collected: 07/16/10 10:34
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.501	0.050	–	2.48	0.247	–		1
Chloromethane	0.732	0.500	–	1.51	1.03	–		1
Vinyl chloride	ND	0.020	–	ND	0.051	–		1
Chloroethane	ND	0.020	–	ND	0.053	–		1
Acetone	11.9	2.00	–	28.2	4.75	–		1
Trichlorofluoromethane	0.262	0.050	–	1.47	0.281	–		1
Acrylonitrile	ND	0.500	–	ND	1.08	–		1
1,1-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Methylene chloride	5.30	1.00	–	18.4	3.47	–		1
trans-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
1,1-Dichloroethane	ND	0.020	–	ND	0.081	–		1
Methyl tert butyl ether	ND	0.020	–	ND	0.072	–		1
2-Butanone	0.855	0.500	–	2.52	1.47	–		1
cis-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Chloroform	0.065	0.020	–	0.317	0.098	–		1
1,2-Dichloroethane	ND	0.020	–	ND	0.081	–		1
1,1,1-Trichloroethane	ND	0.020	–	ND	0.109	–		1
Benzene	ND	0.100	–	ND	0.319	–		1
Carbon tetrachloride	0.079	0.020	–	0.497	0.126	–		1
1,2-Dichloropropane	ND	0.020	–	ND	0.092	–		1
Bromodichloromethane	ND	0.020	–	ND	0.134	–		1
Trichloroethene	ND	0.020	–	ND	0.107	–		1
cis-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1
4-Methyl-2-pentanone	ND	0.500	–	ND	2.05	–		1
trans-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010918
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010918-02
Client ID: KITCHEN STORAGE RM
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 10:34
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	0.549	0.020	--	2.07	0.075	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	0.047	0.020	--	0.318	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	0.077	0.020	--	0.334	0.087	--		1
p/m-Xylene	0.200	0.040	--	0.868	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	0.165	0.020	--	0.702	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.063	0.020	--	0.273	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	0.023	0.020	--	0.113	0.098	--		1
1,2,4-Trimethylbenzene	0.072	0.020	--	0.354	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	0.264	0.020	--	1.58	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010918
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010918-02
Client ID: KITCHEN STORAGE RM
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 10:34
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	105		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	98		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010918
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010918-03
Client ID: GYM
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/21/10 23:56
Analyst: RY

Date Collected: 07/16/10 10:35
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.492	0.050	–	2.43	0.247	–		1
Chloromethane	0.507	0.500	–	1.05	1.03	–		1
Vinyl chloride	ND	0.020	–	ND	0.051	–		1
Chloroethane	ND	0.020	–	ND	0.053	–		1
Acetone	5.81	2.00	–	13.8	4.75	–		1
Trichlorofluoromethane	0.264	0.050	–	1.48	0.281	–		1
Acrylonitrile	ND	0.500	–	ND	1.08	–		1
1,1-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Methylene chloride	4.86	1.00	–	16.9	3.47	–		1
trans-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
1,1-Dichloroethane	ND	0.020	–	ND	0.081	–		1
Methyl tert butyl ether	ND	0.020	–	ND	0.072	–		1
2-Butanone	0.714	0.500	–	2.10	1.47	–		1
cis-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Chloroform	0.029	0.020	–	0.141	0.098	–		1
1,2-Dichloroethane	ND	0.020	–	ND	0.081	–		1
1,1,1-Trichloroethane	ND	0.020	–	ND	0.109	–		1
Benzene	ND	0.100	–	ND	0.319	–		1
Carbon tetrachloride	0.077	0.020	–	0.484	0.126	–		1
1,2-Dichloropropane	ND	0.020	–	ND	0.092	–		1
Bromodichloromethane	ND	0.020	–	ND	0.134	–		1
Trichloroethene	ND	0.020	–	ND	0.107	–		1
cis-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1
4-Methyl-2-pentanone	ND	0.500	–	ND	2.05	–		1
trans-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010918
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010918-03
Client ID: GYM
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 10:35
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	0.313	0.020	--	1.18	0.075	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	0.062	0.020	--	0.420	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	0.096	0.020	--	0.416	0.087	--		1
p/m-Xylene	0.298	0.040	--	1.29	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.072	0.020	--	0.312	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	0.028	0.020	--	0.138	0.098	--		1
1,2,4-Trimethylbenzene	0.079	0.020	--	0.388	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	0.106	0.020	--	0.637	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010918
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010918-03
Client ID: GYM
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 10:35
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	107		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	102		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1010918
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010918-04
Client ID: ELEVATOR HALLWAY
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/22/10 00:34
Analyst: RY

Date Collected: 07/16/10 10:42
Date Received: 07/19/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.511	0.050	–	2.52	0.247	–		1
Chloromethane	0.527	0.500	–	1.09	1.03	–		1
Vinyl chloride	ND	0.020	–	ND	0.051	–		1
Chloroethane	ND	0.020	–	ND	0.053	–		1
Acetone	6.79	2.00	–	16.1	4.75	–		1
Trichlorofluoromethane	0.262	0.050	–	1.47	0.281	–		1
Acrylonitrile	ND	0.500	–	ND	1.08	–		1
1,1-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Methylene chloride	4.01	1.00	–	13.9	3.47	–		1
trans-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
1,1-Dichloroethane	ND	0.020	–	ND	0.081	–		1
Methyl tert butyl ether	ND	0.020	–	ND	0.072	–		1
2-Butanone	0.749	0.500	–	2.21	1.47	–		1
cis-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Chloroform	0.033	0.020	–	0.161	0.098	–		1
1,2-Dichloroethane	ND	0.020	–	ND	0.081	–		1
1,1,1-Trichloroethane	ND	0.020	–	ND	0.109	–		1
Benzene	ND	0.100	–	ND	0.319	–		1
Carbon tetrachloride	0.084	0.020	–	0.528	0.126	–		1
1,2-Dichloropropane	ND	0.020	–	ND	0.092	–		1
Bromodichloromethane	ND	0.020	–	ND	0.134	–		1
Trichloroethene	0.041	0.020	–	0.220	0.107	–		1
cis-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1
4-Methyl-2-pentanone	ND	0.500	–	ND	2.05	–		1
trans-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010918
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010918-04
Client ID: ELEVATOR HALLWAY
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 10:42
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	0.362	0.020	--	1.36	0.075	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	0.063	0.020	--	0.427	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	0.094	0.020	--	0.408	0.087	--		1
p/m-Xylene	0.258	0.040	--	1.12	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.070	0.020	--	0.304	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	0.024	0.020	--	0.118	0.098	--		1
1,2,4-Trimethylbenzene	0.070	0.020	--	0.344	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	0.051	0.020	--	0.306	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010918
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010918-04
Client ID: ELEVATOR HALLWAY
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 10:42
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	99		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	98		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010918
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010918-05
Client ID: ROOM 145
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/22/10 01:12
Analyst: RY

Date Collected: 07/16/10 10:42
Date Received: 07/19/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.516	0.050	–	2.55	0.247	–		1
Chloromethane	0.630	0.500	–	1.30	1.03	–		1
Vinyl chloride	ND	0.020	–	ND	0.051	–		1
Chloroethane	ND	0.020	–	ND	0.053	–		1
Acetone	17.2	2.00	–	40.7	4.75	–		1
Trichlorofluoromethane	0.262	0.050	–	1.47	0.281	–		1
Acrylonitrile	ND	0.500	–	ND	1.08	–		1
1,1-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Methylene chloride	13.4	1.00	–	46.7	3.47	–		1
trans-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
1,1-Dichloroethane	ND	0.020	–	ND	0.081	–		1
Methyl tert butyl ether	ND	0.020	–	ND	0.072	–		1
2-Butanone	8.33	0.500	–	24.6	1.47	–		1
cis-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Chloroform	0.053	0.020	–	0.258	0.098	–		1
1,2-Dichloroethane	ND	0.020	–	ND	0.081	–		1
1,1,1-Trichloroethane	ND	0.020	–	ND	0.109	–		1
Benzene	0.152	0.100	–	0.485	0.319	–		1
Carbon tetrachloride	0.077	0.020	–	0.484	0.126	–		1
1,2-Dichloropropane	ND	0.020	–	ND	0.092	–		1
Bromodichloromethane	ND	0.020	–	ND	0.134	–		1
Trichloroethene	ND	0.020	–	ND	0.107	–		1
cis-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1
4-Methyl-2-pentanone	ND	0.500	–	ND	2.05	–		1
trans-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010918
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010918-05
Client ID: ROOM 145
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 10:42
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	0.998	0.020	--	3.76	0.075	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	0.066	0.020	--	0.447	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	0.201	0.020	--	0.872	0.087	--		1
p/m-Xylene	0.435	0.040	--	1.89	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	0.076	0.020	--	0.323	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.162	0.020	--	0.703	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	0.030	0.020	--	0.147	0.098	--		1
1,2,4-Trimethylbenzene	0.104	0.020	--	0.511	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	1.90	0.020	--	11.4	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010918
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010918-05
Client ID: ROOM 145
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 10:42
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	108		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	100		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010918
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010918-06
Client ID: ROOM 152
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/22/10 01:50
Analyst: RY

Date Collected: 07/16/10 10:43
Date Received: 07/19/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.501	0.050	–	2.48	0.247	–		1
Chloromethane	0.534	0.500	–	1.10	1.03	–		1
Vinyl chloride	ND	0.020	–	ND	0.051	–		1
Chloroethane	ND	0.020	–	ND	0.053	–		1
Acetone	6.75	2.00	–	16.0	4.75	–		1
Trichlorofluoromethane	0.262	0.050	–	1.47	0.281	–		1
Acrylonitrile	ND	0.500	–	ND	1.08	–		1
1,1-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Methylene chloride	6.39	1.00	–	22.2	3.47	–		1
trans-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
1,1-Dichloroethane	ND	0.020	–	ND	0.081	–		1
Methyl tert butyl ether	ND	0.020	–	ND	0.072	–		1
2-Butanone	0.634	0.500	–	1.87	1.47	–		1
cis-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Chloroform	0.032	0.020	–	0.156	0.098	–		1
1,2-Dichloroethane	ND	0.020	–	ND	0.081	–		1
1,1,1-Trichloroethane	ND	0.020	–	ND	0.109	–		1
Benzene	ND	0.100	–	ND	0.319	–		1
Carbon tetrachloride	0.077	0.020	–	0.484	0.126	–		1
1,2-Dichloropropane	ND	0.020	–	ND	0.092	–		1
Bromodichloromethane	ND	0.020	–	ND	0.134	–		1
Trichloroethene	ND	0.020	–	ND	0.107	–		1
cis-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1
4-Methyl-2-pentanone	ND	0.500	–	ND	2.05	–		1
trans-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010918
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010918-06
Client ID: ROOM 152
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 10:43
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	0.353	0.020	--	1.33	0.075	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	0.070	0.020	--	0.474	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	0.060	0.020	--	0.260	0.087	--		1
p/m-Xylene	0.160	0.040	--	0.694	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.053	0.020	--	0.230	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	0.038	0.020	--	0.187	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	0.092	0.020	--	0.553	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010918
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010918-06
Client ID: ROOM 152
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 10:43
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	106		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	99		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010918
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010918-07
Client ID: ROOM 118
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/22/10 02:28
Analyst: RY

Date Collected: 07/16/10 10:45
Date Received: 07/19/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.747	0.050	--	3.69	0.247	--		1
Chloromethane	0.816	0.500	--	1.68	1.03	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	15.6	2.00	--	36.9	4.75	--		1
Trichlorofluoromethane	0.384	0.050	--	2.16	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	5.73	1.00	--	19.9	3.47	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	1.08	0.500	--	3.18	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	0.039	0.020	--	0.190	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	0.074	0.020	--	0.465	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010918
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010918-07
Client ID: ROOM 118
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 10:45
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2-Trichloroethane	ND	0.020	–	ND	0.109	–		1
Toluene	0.597	0.020	–	2.25	0.075	–		1
Dibromochloromethane	ND	0.020	–	ND	0.170	–		1
1,2-Dibromoethane	ND	0.020	–	ND	0.154	–		1
Tetrachloroethene	0.074	0.020	–	0.501	0.136	–		1
1,1,1,2-Tetrachloroethane	ND	0.020	–	ND	0.137	–		1
Chlorobenzene	ND	0.020	–	ND	0.092	–		1
Ethylbenzene	0.132	0.020	–	0.573	0.087	–		1
p/m-Xylene	0.298	0.040	–	1.29	0.174	–		1
Bromoform	ND	0.020	–	ND	0.206	–		1
Styrene	0.183	0.020	–	0.779	0.085	–		1
1,1,2,2-Tetrachloroethane	ND	0.020	–	ND	0.137	–		1
o-Xylene	0.116	0.020	–	0.503	0.087	–		1
Isopropylbenzene	ND	0.500	–	ND	2.46	–		1
1,3,5-Trimethybenzene	ND	0.020	–	ND	0.098	–		1
1,2,4-Trimethylbenzene	0.051	0.020	–	0.250	0.098	–		1
1,3-Dichlorobenzene	ND	0.020	–	ND	0.120	–		1
1,4-Dichlorobenzene	0.083	0.020	–	0.499	0.120	–		1
sec-Butylbenzene	ND	0.500	–	ND	2.74	–		1
p-Isopropyltoluene	ND	0.500	–	ND	2.74	–		1
1,2-Dichlorobenzene	ND	0.020	–	ND	0.120	–		1
n-Butylbenzene	ND	0.500	–	ND	2.74	–		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010918
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010918-07
Client ID: ROOM 118
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 10:45
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	108		60-140
bromochloromethane	68		60-140
chlorobenzene-d5	100		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010918
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010918-08
Client ID: ROOM 110
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/22/10 03:06
Analyst: RY

Date Collected: 07/16/10 10:46
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.503	0.050	–	2.48	0.247	–		1
Chloromethane	0.539	0.500	–	1.11	1.03	–		1
Vinyl chloride	ND	0.020	–	ND	0.051	–		1
Chloroethane	ND	0.020	–	ND	0.053	–		1
Acetone	10.5	2.00	–	24.9	4.75	–		1
Trichlorofluoromethane	0.262	0.050	–	1.47	0.281	–		1
Acrylonitrile	ND	0.500	–	ND	1.08	–		1
1,1-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Methylene chloride	13.9	1.00	–	48.2	3.47	–		1
trans-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
1,1-Dichloroethane	ND	0.020	–	ND	0.081	–		1
Methyl tert butyl ether	ND	0.020	–	ND	0.072	–		1
2-Butanone	0.950	0.500	–	2.80	1.47	–		1
cis-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Chloroform	0.029	0.020	–	0.141	0.098	–		1
1,2-Dichloroethane	ND	0.020	–	ND	0.081	–		1
1,1,1-Trichloroethane	ND	0.020	–	ND	0.109	–		1
Benzene	ND	0.100	–	ND	0.319	–		1
Carbon tetrachloride	0.087	0.020	–	0.547	0.126	–		1
1,2-Dichloropropane	ND	0.020	–	ND	0.092	–		1
Bromodichloromethane	ND	0.020	–	ND	0.134	–		1
Trichloroethene	ND	0.020	–	ND	0.107	–		1
cis-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1
4-Methyl-2-pentanone	ND	0.500	–	ND	2.05	–		1
trans-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010918
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010918-08
Client ID: ROOM 110
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 10:46
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	0.416	0.020	--	1.57	0.075	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	0.034	0.020	--	0.230	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	0.066	0.020	--	0.286	0.087	--		1
p/m-Xylene	0.168	0.040	--	0.729	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.046	0.020	--	0.200	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	0.028	0.020	--	0.138	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	0.109	0.020	--	0.655	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010918
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010918-08
Client ID: ROOM 110
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 10:46
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	91		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010918
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010918-09
Client ID: AMBIENT OUTDOOR
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/21/10 21:23
Analyst: RY

Date Collected: 07/16/10 12:33
Date Received: 07/19/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.554	0.050	–	2.74	0.247	–		1
Chloromethane	0.733	0.500	–	1.51	1.03	–		1
Vinyl chloride	ND	0.020	–	ND	0.051	–		1
Chloroethane	ND	0.020	–	ND	0.053	–		1
Acetone	6.04	2.00	–	14.3	4.75	–		1
Trichlorofluoromethane	0.277	0.050	–	1.56	0.281	–		1
Acrylonitrile	ND	0.500	–	ND	1.08	–		1
1,1-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Methylene chloride	5.93	1.00	–	20.6	3.47	–		1
trans-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
1,1-Dichloroethane	ND	0.020	–	ND	0.081	–		1
Methyl tert butyl ether	ND	0.020	–	ND	0.072	–		1
2-Butanone	0.552	0.500	–	1.63	1.47	–		1
cis-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Chloroform	0.027	0.020	–	0.132	0.098	–		1
1,2-Dichloroethane	ND	0.020	–	ND	0.081	–		1
1,1,1-Trichloroethane	ND	0.020	–	ND	0.109	–		1
Benzene	ND	0.100	–	ND	0.319	–		1
Carbon tetrachloride	0.086	0.020	–	0.541	0.126	–		1
1,2-Dichloropropane	ND	0.020	–	ND	0.092	–		1
Bromodichloromethane	ND	0.020	–	ND	0.134	–		1
Trichloroethene	ND	0.020	–	ND	0.107	–		1
cis-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1
4-Methyl-2-pentanone	ND	0.500	–	ND	2.05	–		1
trans-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010918
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010918-09
Client ID: AMBIENT OUTDOOR
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 12:33
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	0.209	0.020	--	0.787	0.075	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	0.034	0.020	--	0.230	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	0.033	0.020	--	0.143	0.087	--		1
p/m-Xylene	0.076	0.040	--	0.330	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.029	0.020	--	0.126	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	0.022	0.020	--	0.108	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	0.064	0.020	--	0.384	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010918
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010918-09
Client ID: AMBIENT OUTDOOR
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 12:33
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	96		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	93		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1010918
Report Date: 07/26/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 07/21/10 16:13

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-09 Batch: WG423835-4								
Dichlorodifluoromethane	ND	0.050	–	ND	0.247	–		1
Chloromethane	ND	0.500	–	ND	1.03	–		1
Vinyl chloride	ND	0.020	–	ND	0.051	–		1
Chloroethane	ND	0.020	–	ND	0.053	–		1
Acetone	ND	2.00	–	ND	4.75	–		1
Trichlorofluoromethane	ND	0.050	–	ND	0.281	–		1
Acrylonitrile	ND	0.500	–	ND	1.08	–		1
1,1-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Methylene chloride	ND	1.00	–	ND	3.47	–		1
trans-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
1,1-Dichloroethane	ND	0.020	–	ND	0.081	–		1
Methyl tert butyl ether	ND	0.020	–	ND	0.072	–		1
2-Butanone	ND	0.500	–	ND	1.47	–		1
cis-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Chloroform	ND	0.020	–	ND	0.098	–		1
1,2-Dichloroethane	ND	0.020	–	ND	0.081	–		1
1,1,1-Trichloroethane	ND	0.020	–	ND	0.109	–		1
Benzene	ND	0.100	–	ND	0.319	–		1
Carbon tetrachloride	ND	0.020	–	ND	0.126	–		1
1,2-Dichloropropane	ND	0.020	–	ND	0.092	–		1
Bromodichloromethane	ND	0.020	–	ND	0.134	–		1
Trichloroethene	ND	0.020	–	ND	0.107	–		1
cis-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1
4-Methyl-2-pentanone	ND	0.500	–	ND	2.05	–		1
trans-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010918
Report Date: 07/26/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 07/21/10 16:13

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-09 Batch: WG423835-4								
1,1,2-Trichloroethane	ND	0.020	–	ND	0.109	–		1
Toluene	ND	0.020	–	ND	0.075	–		1
Dibromochloromethane	ND	0.020	–	ND	0.170	–		1
1,2-Dibromoethane	ND	0.020	–	ND	0.154	–		1
Tetrachloroethene	ND	0.020	–	ND	0.136	–		1
1,1,1,2-Tetrachloroethane	ND	0.020	–	ND	0.137	–		1
Chlorobenzene	ND	0.020	–	ND	0.092	–		1
Ethylbenzene	ND	0.020	–	ND	0.087	–		1
p/m-Xylene	ND	0.040	–	ND	0.174	–		1
Bromoform	ND	0.020	–	ND	0.206	–		1
Styrene	ND	0.020	–	ND	0.085	–		1
1,1,2,2-Tetrachloroethane	ND	0.020	–	ND	0.137	–		1
o-Xylene	ND	0.020	–	ND	0.087	–		1
Isopropylbenzene	ND	0.500	–	ND	2.46	–		1
1,3,5-Trimethybenzene	ND	0.020	–	ND	0.098	–		1
1,2,4-Trimethylbenzene	ND	0.020	–	ND	0.098	–		1
1,3-Dichlorobenzene	ND	0.020	–	ND	0.120	–		1
1,4-Dichlorobenzene	ND	0.020	–	ND	0.120	–		1
sec-Butylbenzene	ND	0.500	–	ND	2.74	–		1
p-Isopropyltoluene	ND	0.500	–	ND	2.74	–		1
1,2-Dichlorobenzene	ND	0.020	–	ND	0.120	–		1
n-Butylbenzene	ND	0.500	–	ND	2.74	–		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1010918
Report Date: 07/26/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 Batch: WG423835-3								
Dichlorodifluoromethane	112		-		70-130	-		25
Chloromethane	124		-		70-130	-		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	104		-		70-130	-		25
Vinyl chloride	101		-		70-130	-		25
1,3-Butadiene	105		-		70-130	-		25
Bromomethane	100		-		70-130	-		25
Chloroethane	102		-		70-130	-		25
Acetone	107		-		70-130	-		25
Trichlorofluoromethane	107		-		70-130	-		25
Acrylonitrile	98		-		70-130	-		25
1,1-Dichloroethene	109		-		70-130	-		25
Methylene chloride	132	Q	-		70-130	-		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	114		-		70-130	-		25
Halothane	112		-		70-130	-		25
trans-1,2-Dichloroethene	106		-		70-130	-		25
1,1-Dichloroethane	109		-		70-130	-		25
Methyl tert butyl ether	110		-		70-130	-		25
2-Butanone	72		-		70-130	-		25
cis-1,2-Dichloroethene	80		-		70-130	-		25
Chloroform	111		-		70-130	-		25
1,2-Dichloroethane	101		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1010918
Report Date: 07/26/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 Batch: WG423835-3								
1,1,1-Trichloroethane	107		-		70-130	-		25
Benzene	87		-		70-130	-		25
Carbon tetrachloride	106		-		70-130	-		25
1,2-Dichloropropane	87		-		70-130	-		25
Bromodichloromethane	96		-		70-130	-		25
1,4-Dioxane	92		-		70-130	-		25
Trichloroethene	102		-		70-130	-		25
cis-1,3-Dichloropropene	94		-		70-130	-		25
4-Methyl-2-pentanone	96		-		70-130	-		25
trans-1,3-Dichloropropene	83		-		70-130	-		25
1,1,2-Trichloroethane	94		-		70-130	-		25
Toluene	84		-		70-130	-		25
Dibromochloromethane	98		-		70-130	-		25
1,2-Dibromoethane	96		-		70-130	-		25
Tetrachloroethene	99		-		70-130	-		25
1,1,1,2-Tetrachloroethane	96		-		70-130	-		25
Chlorobenzene	96		-		70-130	-		25
Ethylbenzene	101		-		70-130	-		25
p/m-Xylene	105		-		70-130	-		25
Bromoform	109		-		70-130	-		25
Styrene	107		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1010918
Report Date: 07/26/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 Batch: WG423835-3								
1,1,2,2-Tetrachloroethane	105		-		70-130	-		25
o-Xylene	107		-		70-130	-		25
Isopropylbenzene	102		-		70-130	-		25
1,3,5-Trimethylbenzene	113		-		70-130	-		25
1,2,4-Trimethylbenzene	118		-		70-130	-		25
1,3-Dichlorobenzene	111		-		70-130	-		25
1,4-Dichlorobenzene	110		-		70-130	-		25
sec-Butylbenzene	106		-		70-130	-		25
p-Isopropyltoluene	105		-		70-130	-		25
1,2-Dichlorobenzene	111		-		70-130	-		25
n-Butylbenzene	112		-		70-130	-		25
1,2,4-Trichlorobenzene	135	Q	-		70-130	-		25
Naphthalene	119		-		70-130	-		25
1,2,3-Trichlorobenzene	126		-		70-130	-		25
Hexachlorobutadiene	119		-		70-130	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1010918
Report Date: 07/26/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG423835-5 QC Sample: L1010918-01 Client ID: CAFETERIA						
Dichlorodifluoromethane	0.519	0.522	ppbV	1		25
Chloromethane	0.804	0.795	ppbV	1		25
Vinyl chloride	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Acetone	6.95	7.14	ppbV	3		25
Trichlorofluoromethane	0.262	0.265	ppbV	1		25
Acrylonitrile	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	6.71	6.82	ppbV	2		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	0.645	0.856	ppbV	28	Q	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Chloroform	0.051	0.051	ppbV	0		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Benzene	ND	ND	ppbV	NC		25
Carbon tetrachloride	0.080	0.088	ppbV	10		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1010918
Report Date: 07/26/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG423835-5 QC Sample: L1010918-01 Client ID: CAFETERIA					
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	0.321	0.327	ppbV	2	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	0.062	0.064	ppbV	3	25
1,1,1,2-Tetrachloroethane	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	0.052	0.051	ppbV	2	25
p/m-Xylene	0.131	0.135	ppbV	3	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	0.043	0.045	ppbV	5	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1010918
Report Date: 07/26/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG423835-5 QC Sample: L1010918-01 Client ID: CAFETERIA					
Isopropylbenzene	ND	ND	ppbV	NC	25
1,3,5-Trimethybenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	0.044	0.045	ppbV	2	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	0.082	0.083	ppbV	1	25
sec-Butylbenzene	ND	ND	ppbV	NC	25
p-Isopropyltoluene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
n-Butylbenzene	ND	ND	ppbV	NC	25

Project Name: ALVAREZ HIGH SCHOOL **Lab Number:** L1010918

Project Number: 14687.01 **Report Date:** 07/26/10

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Cleaning Batch ID	Initial Pressure (In. Hg)	Pressure on Receipt (In. Hg)	Flow Out mL/min	Flow In mL/min	% RSD
L1010918-01	CAFETERIA	0451	#90 SV		-	-	69	74	7
L1010918-01	CAFETERIA	323	2.7L Can	I1010362	-28.5	-7.5	-	-	-
L1010918-02	KITCHEN STORAGE RM	0391	#90 SV		-	-	71	74	4
L1010918-02	KITCHEN STORAGE RM	543	2.7L Can	I1010362	-29.3	-7.8	-	-	-
L1010918-03	GYM	0252	#90 SV		-	-	72	100	33
L1010918-03	GYM	471	2.7L Can	I1010362	-28.5	0	-	-	-
L1010918-04	ELEVATOR HALLWAY	0165	#90 AMB		-	-	67	88	27
L1010918-04	ELEVATOR HALLWAY	1737	2.7L Can	I1010362	-29.4	-1.7	-	-	-
L1010918-05	ROOM 145	0289	#90 SV		-	-	69	70	1
L1010918-05	ROOM 145	545	2.7L Can	I1010362	-28.2	-2.0	-	-	-
L1010918-06	ROOM 152	0271	#90 AMB		-	-	71	80	12
L1010918-06	ROOM 152	415	2.7L Can	I1010362	-28.5	-0.6	-	-	-
L1010918-07	ROOM 118	0270	#90 SV		-	-	72	77	7
L1010918-07	ROOM 118	485	2.7L Can	I1010362	-29.3	-1.7	-	-	-
L1010918-08	ROOM 110	0019	#90 SV		-	-	72	72	0
L1010918-08	ROOM 110	379	2.7L Can	I1010362	-28.5	-3.9	-	-	-
L1010918-09	AMBIENT OUTDOOR	0279	#90 AMB		-	-	70	72	3

Project Name: ALVAREZ HIGH SCHOOL **Lab Number:** L1010918

Project Number: 14687.01 **Report Date:** 07/26/10

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Cleaning Batch ID	Initial Pressure (In. Hg)	Pressure on Receipt (In. Hg)	Flow Out mL/min	Flow In mL/min	% RSD
L1010918-09	AMBIENT OUTDOOR	406	2.7L Can	I1010362	-29.0	-9.0	-	-	-

Air Volatiles Can Certification

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1010362
Report Date: 07/26/10

Air Canister Certification Results

Lab ID: L1010362-01
Client ID: CAN 395 SHELF 7
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 07/09/10 19:35
Analyst: RY

Date Collected: 07/08/10 00:00
Date Received: 07/08/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.200	--	ND	0.344	--		1
Propane	ND	0.200	--	ND	0.606	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.988	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.776	--		1
Chloroethane	ND	0.200	--	ND	0.527	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.841	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.14	--		1
Acetone	ND	1.00	--	ND	2.37	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1010362
Report Date: 07/26/10

Air Canister Certification Results

Lab ID: L1010362-01
Client ID: CAN 395 SHELF 7
Sample Location:

Date Collected: 07/08/10 00:00
Date Received: 07/08/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.622	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.720	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.589	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.976	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.589	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.923	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.704	--		1
Diisopropyl ether	ND	0.200	--	ND	0.835	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.835	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.907	--		1
Benzene	ND	0.200	--	ND	0.638	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.835	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.720	--		1

Project Name: BATCH CANISTER CERTIFICATION ***Lab Number:*** L1010362

Project Number: CANISTER QC BAT ***Report Date:*** 07/26/10

Air Canister Certification Results

Lab ID: L1010362-01 Date Collected: 07/08/10 00:00

Client ID: CAN 395 SHELF 7 Date Received: 07/08/10

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.819	--		1
2,4,4-trimethyl-1-pentene	ND	0.500	--	ND	2.29	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.819	--		1
2,4,4-trimethyl-2-pentene	ND	0.500	--	ND	2.29	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.753	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.923	--		1
2-Hexanone	ND	0.200	--	ND	0.819	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.37	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.920	--		1
Ethylbenzene	ND	0.200	--	ND	0.868	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.06	--		1
Styrene	ND	0.200	--	ND	0.851	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.868	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.982	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1010362
Report Date: 07/26/10

Air Canister Certification Results

Lab ID: L1010362-01
Client ID: CAN 395 SHELF 7
Sample Location:

Date Collected: 07/08/10 00:00
Date Received: 07/08/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Bromobenzene	ND	0.200	--	ND	1.28	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
n-Propylbenzene	ND	0.200	--	ND	0.982	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.982	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.982	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.982	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.03	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION ***Lab Number:*** L1010362

Project Number: CANISTER QC BAT ***Report Date:*** 07/26/10

Air Canister Certification Results

Lab ID: L1010362-01 Date Collected: 07/08/10 00:00

Client ID: CAN 395 SHELF 7 Date Received: 07/08/10

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	89		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1010362
Report Date: 07/26/10

Air Canister Certification Results

Lab ID: L1010362-01
Client ID: CAN 395 SHELF 7
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/09/10 19:35
Analyst: RY

Date Collected: 07/08/10 00:00
Date Received: 07/08/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.403	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION ***Lab Number:*** L1010362

Project Number: CANISTER QC BAT ***Report Date:*** 07/26/10

Air Canister Certification Results

Lab ID: L1010362-01 Date Collected: 07/08/10 00:00

Client ID: CAN 395 SHELF 7 Date Received: 07/08/10

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.020	--	ND	0.075	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1010362
Report Date: 07/26/10

Air Canister Certification Results

Lab ID: L1010362-01
Client ID: CAN 395 SHELF 7
Sample Location:

Date Collected: 07/08/10 00:00
Date Received: 07/08/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Project Name: BATCH CANISTER CERTIFICATION ***Lab Number:*** L1010362

Project Number: CANISTER QC BAT ***Report Date:*** 07/26/10

Air Canister Certification Results

Lab ID: L1010362-01 Date Collected: 07/08/10 00:00

Client ID: CAN 395 SHELF 7 Date Received: 07/08/10

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	83		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	89		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1010918
Report Date: 07/26/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
N/A	Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1010918-01A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1010918-02A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1010918-03A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1010918-04A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1010918-05A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1010918-06A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1010918-07A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1010918-08A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1010918-09A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name:	ALVAREZ HIGH SCHOOL	**Lab Number:**	L1010918
Project Number:	14687.01	**Report Date:**	07/26/10

GLOSSARY

Acronyms

EPA	· Environmental Protection Agency.
LCS	· Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	· Laboratory Control Sample Duplicate: Refer to LCS.
MDL	· Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	· Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	· Matrix Spike Sample Duplicate: Refer to MS.
NA	· Not Applicable.
NC	· Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	· Not Ignitable.
RL	· Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	· Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	· Spectra identified as "Aldol Condensation Product".
B	· The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
D	· Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	· Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	· The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	· The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
P	· The RPD between the results for the two columns exceeds the method-specified criteria.
Q	· The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
R	· Analytical results are from sample re-analysis.

Report Format: Data Usability Report

Project Name:	ALVAREZ HIGH SCHOOL	**Lab Number:**	L1010918
Project Number:	14687.01	**Report Date:**	07/26/10

Data Qualifiers

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: ALVAREZ HIGH SCHOOL **Lab Number:** L1010918
Project Number: 14687.01 **Report Date:** 07/26/10

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised July 19, 2010 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, EPA 120.1, SM2510B, EPA 245.1, EPA 150.1, EPA 160.2, SM2540D, EPA 335.2, SM2540G, EPA 180.1. Organic Parameters: EPA 625, 608.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045, 9014. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 120.1, 150.1, 160.2, 180.1, 200.8, 245.1, 310.1, 335.2, 608, 625, 1631, 3010, 3015, 3020, 6020, 9010, 9014, 9040, SM2320B, 2510B, 2540D, 2540G, 4500CN-E, 4500H-B, Organic Parameters: EPA 3510, 3580, 3630, 3640, 3660, 3665, 5030, 8015 (mod), 3570, 8081, 8082, 8260, 8270,)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7196, 7470, 7471, 7474, 9010, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015 (mod), EPA 3570, 1311, 3050, 3051, 3060, 3580, 3630, 3640, 3660, 3665, 5035, 8081, 8082, 8260, 8270.)

Biological Tissue (Inorganic Parameters: EPA 6020. Organic Parameters: EPA 3570, 3510, 3610, 3630, 3640, 8270.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA030.

Non-Potable Water (Inorganic Parameters: SM4500H+B. Organic Parameters: EPA 624.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 200.8, 245.1, 1631E, 120.1, 150.1, 180.1, 310.1, 335.2, 160.2, SM2540D, 2540G, 4500CN-E, 4500H+B, 2320B, 2510B. Organic Parameters: EPA 625, 608.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, 3015, 6020, SM2320B, EPA 200.8, SM2540C, 2540D, 2540G, EPA 120.1, SM2510B, EPA 180.1, 245.1, 1631E, SW-846 9040B, 6020, 9010B, 9014 Organic Parameters: EPA 608, 625, SW-846 3510C, 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 9010B, 9014, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 9045C, 9060. Organic Parameters: SW-846 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 3570, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610B, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 310.1, SM2320B, EPA 365.2, 160.1, EPA 160.2, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 335.2, 9014, 150.1, 9040B, 120.1, SM2510B, EPA 376.2, 180.1, 9010B. Organic Parameters: EPA 624, 8260B, 8270C, 608, 8081A, 625, 8082, 3510C, 3511, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, SW-846 Ch7 Sec 7.3, EPA 6020, 7196A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 3050B, 3580, 3050B, 3035, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. ***NELAP Accredited via LA-DEQ.***

Refer to MA-DEP Certificate for Non-Potable Water.

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. ***NELAP Accredited.***

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

U.S. Army Corps of Engineers

Department of Defense Certificate/Lab ID: L2217.01.

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312,3051, 6020, 747A, 7474, 9045C,9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580, 3570, 3540C, 5035, 8260B, 8270C, 8270 Alk-PAH, 8082, 8081A, 8015 (SHC), 8015 (DRO).

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **8270C:** Biphenyl.

Serial_No:07261016:19

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd In Lab:

ALPHA Job #: L1010918

Client Information

Client: EA Engineering
Address: 2350 Post Rd
Warwick, RI 02886
Phone: (401) 736-3440
Fax:
Email: kmack@eaest.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Alyssa School
Project Location: Providence, RI
Project #: 14582.01
Project Manager: Frank Pastena
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)
Roy Mack
kmack@eaest.com

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria
CT	Target Indoor Air	Concentrations

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM APH	FIXED GASES	TO-13A	TO-4/TO-10	Sample Comments (i.e. PID)
10918.1	Cafeteria	7/16	1002	1032	-28	-6	AA	PT/DA		323	0351			X				45 ppb
2	Kitchen Storage Rm		1005	1034	-30+	-10		PT/DA		543	0391							50 ppb
3	Gym		1006	1035	-30	-2				471	0252							7 ppb
4	Elevator Hallway		1010	1042	-30+	-6				1737	0165							0 ppb
5	Room 145		1011	1042	-25	-5				545	0289							0 ppb
6	Room 152		1012	1043	-30+	-3				415	0271							57 ppb
7	Room 118		1014	1045	-30	-3				485	0270							0 ppb
8	Room 110		1015	1046	-28.5	-4				379	0019							43 ppb
9	Ambient Outdoor	↓	1205	1233	-30	-10	↓	↓		406	0279			↓				0 ppb

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
P. Dillant	7/19/10 14:25	P. Dillant	7/19/10 14:25
P. Dillant	7/19/10 17:00	UPS	7/19/10 17:00

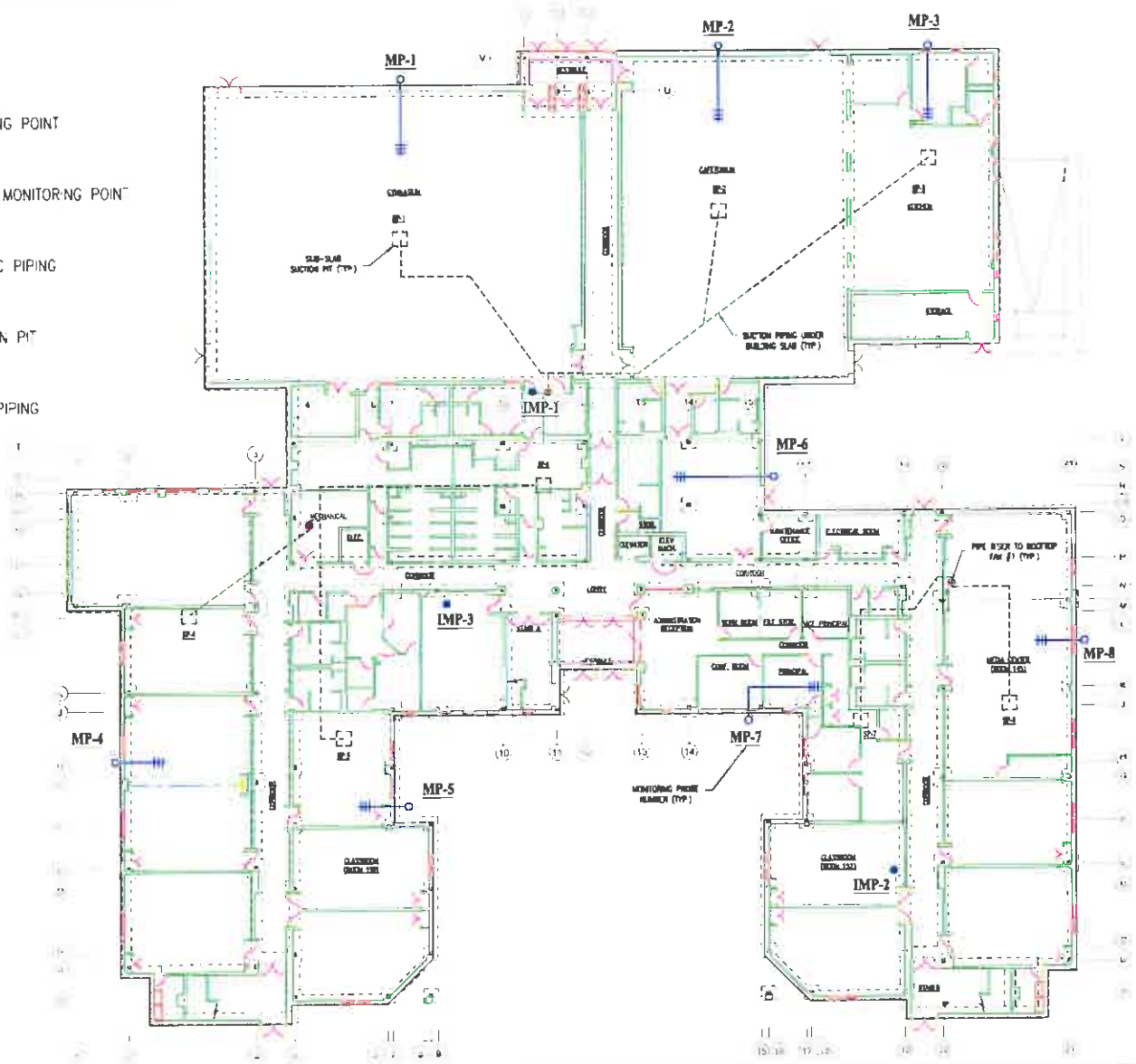
Form No: 101-02 (19-Jun-09)

Appendix C

Sub-Slab Air Analytical Summary and Lab Report

LEGEND :

MP-1	SUB-SLAB MONITORING POINT
IMP-1	INTERIOR SUB-SLAB MONITORING POINT
——#——	SLOTTED 1 INCH PVC PIPING
[ ]	SSD SYSTEM SUCTION PIT
- - - - - - - -	SOLID 4 INCH PVC PIPING



	DESIGNED BY: PMG	DRAWN BY: DMA	DATE: AUG 27 2007	PROJECT NO: 14687.01	FILE NAME: FIG 3	AS-BUILT SUB SLAB MONITORING AND SAMPLING LOCATIONS ALVAREZ HIGH SCHOOL PROVIDENCE, RHODE ISLAND
	CHECKED BY: PMG	PROJECT MGR: PMG	SCALE: NTS	DRAWING NO: N/A	FIGURE: 3	

QUARTERLY STATUS REPORT
FIGURE 3

Summary of Sub-Slab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2010

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	MP 1	Qual	MP 2	Qual	MP 3	Qual
Dichlorodifluoromethane	8-Feb-08	2 000		NS		NS		NS		2 030		NS		NS		NS		1 920		2 000		NS	
	27-Mar-08	NS		2 290		NS		NS		NS		2 150		NS		NS		NS		2 720		4 140	
	25-Apr-08	NS		NS		2 010		NS		NS		NS		2 110		NS		2 040		NS		2 160	
	29-May-08	NS		NS		NS		1 830		NS		NS		NS		1 620		1 820		1 880		NS	
	27-Jun-08	2 030		NS		NS		NS		2 520		NS		NS		NS		NS		2 270		2 480	
	31-Jul-08	NS		1 800		NS		NS		NS		NS		NS		NS		1 810		NS		1 870	
	28-Aug-08	NS		NS		3 130		NS		NS		NS		2 800		NS		2 750		2 680		NS	
	30-Sep-08	NS		NS		NS		2 500	U	NS		NS		NS		NS	U	2 500	U	2 500	U	2 700	
	27-Oct-08	2 500	U	NS		NS		NS		2 500	U	NS		NS		NS		2 500	U	NS		2 500	U
	25-Nov-08	NS		215 000		NS		NS		NS		11 700		NS		NS		2 500	U	5 100		NS	
	18-Dec-08	NS		NS		29 000		NS		NS		NS		2 500	U	NS		NS		2 500	U	2 500	U
	21-Jan-09	NS		NS		NS		2 500	U	NS		NS		NS		5 800		2 500	U	NS		2 500	U
	25-Feb-09	2 500	U	NS		NS		NS		19 400		NS		NS		NS		2 500	U	3 400		NS	
	26-Mar-09	NS		2 550		NS		NS		NS		2 480		NS		NS		NS		2 480		2 410	
	29-Apr-09	NS		NS		2 410		NS		NS		NS		1 780		NS		2 260		NS		2 400	
	22-Jul-09	2 420		NS		2 420		2 720		NS		2 500		NS		NS		2 370		2 480		NS	
	9-Oct-09	NS		2 730		NS		NS		2 770		NS		3 670		51 600	U	2 640		NS		2 790	
	15-Jan-10	2 500		NS		3 670		2 520		NS		2 610		NS		NS		2 290		2 250		NS	
	21-Apr-10	NS		0 588		NS		NS		2 200		NS		2 590		2 200		2 640		NS		2 430	
	16-Jul-10	3 380		NS		2 610		2 590		NS		2 980		NS		NS		3 150		3 290		NS	
Chloromethane	8-Feb-08	2 440	U	NS		NS		NS		2 440	U	NS		NS		NS		2 440	U	2 440	U	NS	
	27-Mar-08	NS		2 870		NS		NS		NS		3 240		NS		NS		NS		2 440	U	2 440	U
	25-Apr-08	NS		NS		2 440	U	NS		NS		NS		2 440	U	NS		2 440	U	NS		2 440	U
	29-May-08	NS		NS		NS		2 440	U	NS		NS		NS		2 440	U	2 440	U	2 440	U	NS	
	27-Jun-08	3 800	U	NS		NS		NS		2 440	U	NS		NS		NS		NS		2 440	U	2 440	U
	31-Jul-08	NS		4 640		NS		NS		NS		NS		NS		NS		2 440	U	NS		2 440	U
	28-Aug-08	NS		NS		2 440	U	NS		NS		NS		2 440	U	NS		2 440	U	2 440	U	NS	
	30-Sep-08	NS		NS		NS		1 000	U	NS		NS		NS		1 000	U	NS		1 000	U	1 000	U
	27-Oct-08	1 000	U	NS		NS		NS		1 000	U	NS		NS		NS		1 100		NS		3 500	
	25-Nov-08	NS		1 000	U	NS		NS		NS		1 000	U	NS		NS		1 000	U	1 000	U	NS	
	18-Dec-08	NS		NS		1 000	U	NS		NS		NS		1 000	U	NS		NS		1 400		1 000	U
	21-Jan-09	NS		NS		NS		1 000	U	NS		NS		NS		3 100		1 000	U	NS		1 000	U
	25-Feb-09	1 000		NS		NS		NS		1 000	U	NS		NS		NS		1 000	U	1 200		NS	
	26-Mar-09	NS		12 200	U	NS		NS		NS		24 400	U	NS		NS		NS		4 580		2 440	U
	29-Apr-09	NS		NS		22 400		NS		NS		NS		19 400		NS		2 440	U	NS		2 440	U
	22-Jul-09	18 500		NS		487 000	U	32 000		NS		41 900		NS		NS		2 440	U	6 290		NS	
	9-Oct-09	NS		2 440	U	NS		NS		2 440	U	NS		2 440	U	909 000	U	2 440	U	NS		2 440	U
	15-Jan-10	2 440	U	NS		2 780		2 440	U	NS		2 440		NS		2 440	U	2 440	U	2 440	U	NS	
	21-Apr-10	NS		3 230		NS		NS		12 200	U	NS		12 200	U	12 200	U	2 440	U	NS		2 440	U
	16-Jul-10	1 320		NS		82 800		1 480		NS		7 790	U	NS		NS		1 030	U	1 030	U	NS	
Vinyl chloride*	8-Feb-08	0 050	U	NS		NS		NS		0 050	U	NS		NS		NS		0 050	U	0 050	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		0 750		NS		0 051	U	NS		0 051	U
	29-May-08	NS		NS		NS		0 050	U	NS		NS		NS		0 050	U	0 050	U	0 050	U	NS	
	27-Jun-08	0 080	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		NS		0 051	U	NS		0 051	U	NS	
	30-Sep-08	NS		NS		NS		0 100	U	NS		NS		NS		NS		0 100	U	NS		0 100	U
	27-Oct-08	0 100	U	NS		NS		NS		0 100	U	NS		NS		NS		NS		0 100	U	0 100	U
	25-Nov-08	NS		0 100	U	NS		NS		NS		NS		0 100	U	NS		NS		0 100	U	0 100	U
	18-Dec-08	NS		NS		0 100	U	NS		NS		NS		0 100	U	NS		0 100	U	0 100	U	0 100	U
	21-Jan-09	NS		NS		NS		0 100	U	NS		NS		NS		0 100	U	0 100	U	NS		0 100	U
	25-Feb-09	0 100	U	NS		NS		NS		0 100	U	NS		NS		NS		0 100	U	0 100	U	NS	
	26-Mar-09	NS		0 256	U	NS		NS		NS		0 511	U	NS		NS		NS		0 051	U	0 051	U
	29-Apr-09	NS		NS		0 051		NS		NS		NS		0 051	U	NS		0 051	U	NS		0 051	U
	22-Jul-09	0 255	U	NS		0 255	U	0 511	U	NS		0 255	U	NS		NS		0 051	U	0 051	U	NS	
	9-Oct-09	NS		1 720		NS		NS		0 051	U	NS		0 102	U	10 700	U	0 051	U	NS		0 051	U
	15-Jan-10	0 051	U	NS		0 051		0 051	U	NS		0 051	U	NS		NS		0 051	U	0 051	U	NS	
	21-Apr-10	NS		0 051	U	NS		NS		0 255	U	NS		0 256	U	0 255	U	0 051	U	NS		0 051	U
	16-Jul-10	0 051	U	NS		1 980		0 051	U	NS		0 388	U	NS		NS		0 051	U	0 051	U	NS	
Chloroethane	8-Feb-08	0 050	U	NS		NS		NS		0 050	U	NS		NS		NS		NS		0 050	U	NS	
	27-Mar-08	NS		0 053	U	NS		NS		NS		0 053	U	NS		NS		NS		0 053	U	0 053	U
	25-Apr-08	NS		NS		0 053	U	NS		NS		NS		0 130		NS		0 053	U	NS		0 053	U
	29-May-08	NS		NS		NS		0 110		NS		NS		NS		0 100		0 070		0 080	U	NS	
	27-Jun-08	0 082	U	NS		NS		NS		0 132		NS		NS		NS		NS		0 053	U	0 053	U
	31-Jul-08	NS		0 053	U	NS		NS		NS		NS		NS		NS		0 053	U	NS		0 053	U
	28-Aug-08	NS		NS		0 053	U	NS		NS		NS		0 153		NS		0 053	U	0 079		NS	
	30-Sep-08	NS		NS		NS		1 300	U	NS		NS		NS		1 300	U	NS		1 300	U	1 300	U
	27-Oct-08	1 300	U	NS		NS		NS		1 300	U	NS		NS		NS		1 300	U	NS		1 300	
	25-Nov-08	NS		1 300	U	NS		NS		NS		1 300	U	NS		NS		1 300	U	1 300	U	NS	
	18-Dec-08	NS		NS		1 300	U	NS		NS		NS		1 300	U	NS		1 300	U	1 300	U	1 300	U
	21-Jan-09	NS		NS		NS		1 300	U	NS		NS		NS		1 300	U	1 300	U	NS		1 300	U
	25-Feb-09	1 300	U	NS		NS		NS		1 300	U	NS		NS		NS		1 300	U	1 300	U	NS	
	26-Mar-09	NS		0 264	U	NS		NS		NS		0 527	U	NS		NS		NS		0 121		0 053	
	29-Apr-09	NS		NS		0 137		NS		NS		NS		0 053		NS		0 053	U	NS		0 053	U
	22-Jul-09	0 264	U	NS		10 800	U	0 527	U	NS		0 277		NS		NS		0 053	U	0 081		NS	
	9-Oct-09	NS		0 053	U	NS		NS		0 058		NS		0 406		11 000	U	0 053	U	NS		0 053	U
	15-Jan-10	0 053	U	NS		0 074		0 088		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		0 053	U	NS		0 116	
	16-Jul-10	0 100		NS		2 550		0 188		NS		0 398	U	NS		NS		0 053		0 087		NS	

Summary of Sub-Slab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2010

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	MP-1	Qual	MP-2	Qual	MP-3	Qual
Acetone	8-Feb-08	17 200		NS		NS		NS		4 750	U	NS		NS		NS		5 820		11 400		NS	
	27-Mar-08	NS		28 700		NS		NS		NS		NS		515 000		NS		NS		217 000		12 400	
	25-Apr-08	NS		NS		188 000		NS		NS		NS		NS		92 000		54 000		NS		33 800	
	29-May-08	NS		NS		NS		40 800		NS		NS		NS		NS		9 820		18 400		NS	
	27-Jun-08	107 000		NS		NS		NS		145 000		NS		NS		NS		NS		20 400		9 730	
	31-Jul-08	NS		101 000		NS		NS		NS		NS		NS		NS		14 400		NS		18 100	
	26-Aug-08	NS		NS		110 000		NS		NS		NS		NS		10 900		NS		47 800		NS	
	30-Sep-08	NS		NS		NS		12 800		NS		NS		NS		NS		44 100		9 400		12 800	
	27-Oct-08	19 800		NS		NS		NS		15 000		NS		NS		NS		NS		17 800		33 300	
	25-Nov-08	NS		146 000		NS		NS		NS		183 000		NS		NS		13 000		24 700		NS	
	16-Dec-08	NS		NS		958 000		NS		NS		NS		NS		10 400		NS		37 200		22 000	
	21-Jan-09	NS		NS		NS		18 100		NS		NS		NS		NS		6 100	U	NS		4 600	
	25-Feb-09	28 800		NS		NS		NS		80 900		NS		NS		NS		9 500		8 300		NS	
	26-Mar-09	NS		102 000		NS		NS		NS		47 900	U	NS		NS		NS		50 800		64 800	
	29-Apr-09	NS		NS		1980 000		NS		NS		NS		NS		NS		5 150		NS		22 100	
	22-Jul-09	58 500		NS		58 5		148 000		NS		87 800		NS		23 300		98 000		88 100		NS	
	9-Oct-09	NS		25 700		NS		NS		49 700		NS		NS		NS		111 00 000		NS		18 800	
	15-Jan-10	33 800		NS		90 900		22 800		NS		28 300		NS		NS		8 510		11 200		NS	
	21-Apr-10	NS		21 900		NS		NS		208 000		NS		283 000		NS		12 500		NS		73 400	
	16-Jul-10	864 000		NS		4800 000		202 000		NS		1140 000		NS		NS		72 800		21 100		NS	
																		9 340					
Trichlorofluoromethane	8-Feb-08	1 220		NS		NS		NS		1 220		NS		NS		NS		1 080		15 800		NS	
	27-Mar-08	NS		1 270		NS		NS		NS		1 180		NS		NS		NS		12 000		9 020	
	25-Apr-08	NS		NS		1 180		NS		NS		NS		5 200		NS		1 080		NS		3 830	
	29-May-08	NS		NS		NS		33 500		NS		NS		NS		0 980		1 050		10 800		NS	
	27-Jun-08	1 290		NS		NS		NS		75 200		NS		NS		NS		NS		8 650		6 880	
	31-Jul-08	NS		1 010		NS		NS		NS		NS		NS		NS		0 958		NS		5 100	
	26-Aug-08	NS		NS		2 530		NS		NS		NS		NS		18 000		1 790		15 800		NS	
	30-Sep-08	NS		NS		NS		53 800		NS		NS		NS		NS		2 800	U	NS		14 500	
	27-Oct-08	2 800	U	NS		NS		NS		44 400		NS		NS		NS		NS		6 100		NS	
	25-Nov-08	NS		10 000		NS		NS		NS		12 200		NS		NS		2 800	U	14 000		2 800	U
	16-Dec-08	NS		NS		2 800	U	NS		NS		NS		4 900		NS		NS		4 800		NS	
	21-Jan-09	NS		NS		NS		28 900		NS		NS		NS		NS		7 200		NS	U	7 100	
	25-Feb-09	2 800	U	NS		NS		NS		14 800		NS		NS		NS		2 800	U	7 100	U	NS	
	26-Mar-09	NS		1 430		NS		NS		NS		2 810	U	NS		NS		NS		18 800		10 300	
	29-Apr-09	NS		NS		1 490		NS		NS		NS		4 210		NS		1 270		NS		3 170	
	22-Jul-09	1 480		NS		1 480		19 800		NS		3 420		NS		11 000		1 280		8 480		NS	
	9-Oct-09	NS		0 158		NS		NS		20 000		NS		NS		58 800	U	1 85		NS		9 120	
	15-Jan-10	1 380		NS		2 100		10 800		NS		1 780		NS		NS		1 340		15 400		NS	
	21-Apr-10	NS		0 488		NS		NS		10 100		NS		4 830		1 400	U	4 950		NS		5 470	
	16-Jul-10	2 800		NS		1 840		16 400		NS		2 120	U	NS		NS		2 230		19 800		NS	
Acrylonitrile	8-Feb-08	1 080	U	NS		NS		NS		1 080	U	NS		NS		NS		1 080	U	1 080	U	NS	
	27-Mar-08	NS		1 080	U	NS		NS		NS		NS		NS		NS		NS		1 080	U	1 080	U
	25-Apr-08	NS		NS		1 080	U	NS		NS		NS		1 080	U	NS		1 080	U	NS		1 080	U
	29-May-08	NS		NS		NS		1 080	U	NS		NS		NS		1 080	U	1 080	U	1 080	U	NS	
	27-Jun-08	1 080	U	NS		NS		NS		1 080	U	NS		NS		NS		NS		NS		1 080	U
	31-Jul-08	NS		1 080	U	NS		NS		NS		NS		NS		NS		1 080	U	NS		1 080	U
	26-Aug-08	NS		NS		1 080	U	NS		NS		NS		1 080	U	NS		1 080	U	NS		NS	
	30-Sep-08	NS		NS		NS		2 200	U	NS		NS		NS		2 200	U	2 200	U	2 200	U	2 200	U
	27-Oct-08	2 200	U	NS		NS		NS		2 200	U	NS		NS		NS		NS		2 200	U	NS	
	25-Nov-08	NS		2 200	U	NS		NS		NS		NS		2 200	U	NS		2 200	U	2 200	U	2 200	U
	16-Dec-08	NS		NS		2 200	U	NS		NS		NS		NS		2 200	U	2 200	U	NS		2 200	U
	21-Jan-09	NS		NS		NS		2 200	U	NS		NS		NS		NS		2 200	U	2 200	U	NS	
	25-Feb-09	2 200	U	NS		NS		NS		2 200	U	NS		NS		NS		NS		1 080	U	1 080	U
	26-Mar-09	NS		5 420	U	NS		NS		NS		10 800	U	NS		NS		NS		NS		1 080	U
	29-Apr-09	NS		NS		1 080	U	NS		NS		NS		1 080	U	NS		NS		1 080	U	NS	
	22-Jul-09	5 420	U	NS		5 420	U	10 800	U	NS		5 420	U	NS		1 080	U	NS		1 080	U	NS	
	9-Oct-09	NS		0 051	U	NS		NS		1 080	U	NS		1 080	U	226 000	U	1 080	U	NS		1 080	U
	15-Jan-10	1 080	U	NS		1 080	U	1 080	U	NS		1 080	U	NS		NS		1 080	U	NS		NS	
	21-Apr-10	NS		1 080	U	NS		NS		5 420	U	NS		5 420	U	NS		1 080	U	NS		1 080	U
	16-Jul-10	1 080	U	NS		1 080	U	1 080	U	NS		8 190	U	NS		NS		1 080	U	1 080	U	NS	
1,1-Dichloroethene	8-Feb-08	0 080	U	NS		NS		NS		0 080	U	NS		NS		NS		0 080	U	0 080	U	NS	
	27-Mar-08	NS		0 079	U	NS		NS		NS		0 079	U	NS		NS		NS		0 079	U	0 079	U
	25-Apr-08	NS		NS		0 079	U	NS		NS		NS		0 079	U	NS		0 079	U	NS		0 079	U
	29-May-08	NS		NS		NS		0 080	U	NS		NS		NS		0 080	U	0 080	U	0 080	U	NS	
	27-Jun-08	0 123	U	NS		NS		NS		0 079	U	NS		NS		NS		NS		0 079	U	0 079	U
	31-Jul-08	NS		0 079	U	NS		NS		NS		NS		NS		NS		0 079	U	NS		0 079	U
	26-Aug-08	NS		NS		0 079	U	NS		NS		NS		0 079	U	NS		0 079	U	0 079	U	NS	
	30-Sep-08	NS		NS		NS		2 000	U	NS		NS		NS		2 000	U	NS		2 000	U	2 000	U
	27-Oct-08	2 000	U	NS		NS		NS		2 000	U	NS		NS		NS		2 000	U	2 000	U	NS	
	25-Nov-08	NS		2 000	U	NS		NS		NS		NS		2 000	U	NS		2 000	U	2 000	U	2 000	U
	16-Dec-08	NS		NS		2 000	U	NS		NS		NS		NS		2 000	U	2 000	U	NS		2 000	U
	21-Jan-09	NS		NS		NS		2 000	U	NS		NS		NS		NS		2 000	U	2 000	U	NS	
	25-Feb-09	2 000	U	NS		NS		NS		2 000	U	NS		NS		NS		NS		0 079	U	0 079	U
	26-Mar-09	NS		0 386	U	NS		NS		NS		NS		0 792	U	NS		NS		NS		0 079	U
	29-Apr-09	NS		NS		0 079	U	NS		NS		NS		NS		0 079	U	NS		0 079	U	NS	
	22-Jul-09	0 386	U	NS		18 200	U	0 792	U	NS		0 386	U	NS		NS		NS		0 079	U	0 079	U
	9-Oct-09	NS		0 079	U	NS		NS		0 079	U	NS		0 079	U	16 200	U	0 079	U	NS		NS	
	15-Jan-10	0 137	U	NS		0 079	U	0 079	U	NS		0 079	U	NS		NS		0 079	U	0 079	U	NS	
	21-Apr-10	NS		0 079	U	NS		NS		0 386	U	NS		0 386	U	0 386	U	0 079	U	NS		0 079	U
	16-Jul-10	0 079	U	NS		0 200		0 079	U	NS		0 386	U	NS		NS		0 079	U	0 079	U	NS	

Summary of Sub-Slab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2010

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	MP-9	Qual	MP-2	Qual	MP-3	Qual
Methylene chloride	8-Feb-08	2 340		NS		NS		NS		1 740	U	NS		NS		NS		1 740	U	1 740	U	NS	
	27-Mar-08	NS		1 740	U	NS		NS		NS		2 870		NS		NS		NS		2 160		1 740	U
	25-Apr-08	NS		NS		1 740	U	NS		NS		NS		1 740	U	NS		1 740	U	NS		1 740	U
	29-May-08	NS		NS		NS		1 740	U	NS		NS		NS		NS		1 740	U	2 810		1 740	U
	27-Jun-08	4 330	U	NS		NS		NS		3 690		NS		NS		NS		NS		2 780	U	2 780	U
	31-Jul-08	NS		1 740	U	NS		NS		NS		NS		NS		NS		1 740	U	NS		1 740	U
	28-Aug-08	NS		NS		1 740	U	NS		NS		NS		NS		1 740	U	NS		1 740	U	NS	
	30-Sep-08	NS		NS		NS		1 700	U	NS		NS		NS		NS		1 700	U	NS		1 700	U
	27-Oct-08	1 700	U	NS		NS		NS		1 700	U	NS		NS		NS		1 700	U	NS		1 700	U
	25-Nov-08	NS		1 700	U	NS		NS		NS		1 700	U	NS		NS		1 700	U	1 700	U	NS	
	18-Dec-08	NS		NS		1 700	U	NS		NS		NS		1 700	U	NS		1 700	U	1 700	U	1 700	U
	21-Jan-09	NS		NS		NS		1 700	U	NS		NS		NS		1 700	U	NS		1 700	U	1 700	U
	25-Feb-09	1 700	U	NS		NS		NS		1 700	U	NS		NS		NS		1 700	U	1 700	U	NS	
	26-Mar-09	NS		18 100		NS		NS		17 400	U	NS		NS		NS		1 740	U	1 740	U	1 800	
	29-Apr-09	NS		NS		1 740	U	NS		NS		NS		1 740	U	NS		1 740	U	NS		1 740	U
	22-Jul-09	86 800	U	NS		8 680	U	17 400	U	NS		8 680	U	NS		NS		1 740	U	1 740	U	NS	
	9-Oct-09	NS		1 740	U	NS		NS		1 740	U	NS		1 740	U	182 000	U	1 740	U	NS		1 740	U
	15-Jan-10	1 740	U	NS		1 740	U	1 740	U	NS		1 740	U	NS		NS		1 740	U	1 740	U	NS	
	21-Apr-10	NS		1 740	U	NS		NS		8 680	U	NS		8 680	U	8 680	U	1 740		NS		1 740	
	16-Jul-10	24 000		NS		21 900		19 500		NS		28 200	U	NS		NS		27 100		26 500		NS	
trans-1,2-Dichloroethene	8-Feb-08	0 080	U	NS		NS		NS		0 080	U	NS		NS		NS		0 080	U	0 080	U	NS	
	27-Mar-08	NS		0 079	U	NS		NS		NS		0 079	U	NS		NS		NS		0 079	U	0 079	U
	25-Apr-08	NS		NS		0 079	U	NS		NS		NS		0 079	U	NS		0 079	U	NS		0 079	U
	29-May-08	NS		NS		NS		0 080	U	NS		NS		NS		0 080	U	0 080	U	0 080	U	NS	
	27-Jun-08	0 123	U	NS		NS		NS		0 079	U	NS		NS		NS		NS		0 079	U	0 079	U
	31-Jul-08	NS		0 079	U	NS		NS		NS		NS		NS		NS		0 079	U	NS		0 079	U
	28-Aug-08	NS		NS		0 079	U	NS		NS		NS		NS		0 079	U	0 079	U	0 079	U	NS	
	30-Sep-08	NS		NS		2 000	U	NS		NS		NS		NS		NS		2 000	U	2 000	U	2 000	U
	27-Oct-08	2 000	U	NS		NS		NS		2 000	U	NS		NS		NS		NS		NS		2 000	U
	25-Nov-08	NS		2 000	U	NS		NS		NS		NS		NS		NS		2 000	U	2 000	U	NS	
	18-Dec-08	NS		NS		2 000	U	NS		NS		NS		NS		NS		2 000	U	NS		2 000	U
	21-Jan-09	NS		NS		NS		2 000	U	NS		NS		NS		NS		2 000	U	NS		2 000	U
	25-Feb-09	2 000	U	NS		NS		NS		2 000	U	NS		NS		NS		2 000	U	2 000	U	NS	
	26-Mar-08	NS		0 396	U	NS		NS		NS		0 792	U	NS		NS		NS		0 079	U	0 079	U
	29-Apr-09	NS		NS		0 079	U	NS		NS		NS		0 079	U	NS		0 079	U	NS		0 079	U
	22-Jul-09	0 396	U	NS		0 396	U	0 792	U	NS		0 396	U	NS		NS		0 079	U	0 079	U	NS	
	9-Oct-09	NS		0 079	U	NS		NS		0 079		NS		0 079	U	18 500	U	0 079	U	NS		0 079	U
	15-Jan-10	0 079		NS		0 079		0 079		NS		0 079	U	NS		NS		0 079	U	0 079	U	NS	
	21-Apr-10	NS		0 079	U	NS		NS		0 396	U	NS		3 880	U	0 396	U	0 079	U	NS		0 079	U
	16-Jul-10	0 079	U	NS		0 079	U	0 079	U	NS		0 396	U	NS		NS		0 079	U	0 079	U	NS	
1,1-Dichloroethene	8-Feb-08	0 080	U	NS		NS		NS		0 080	U	NS		NS		NS		0 080	U	0 080	U	NS	
	27-Mar-08	NS		0 081	U	NS		NS		NS		0 081	U	NS		NS		NS		0 081	U	0 081	U
	25-Apr-08	NS		NS		0 081	U	NS		NS		NS		0 081	U	NS		0 081	U	NS		0 081	U
	29-May-08	NS		NS		NS		0 080	U	NS		NS		NS		NS		0 080	U	0 080	U	NS	
	27-Jun-08	0 126	U	NS		NS		NS		0 081	U	NS		NS		NS		NS		0 081	U	0 081	U
	31-Jul-08	NS		0 081	U	NS		NS		NS		NS		NS		NS		NS		NS		0 081	U
	28-Aug-08	NS		NS		0 081	U	NS		NS		NS		0 081	U	NS		0 081	U	0 081	U	NS	
	27-Oct-08	NS		NS		NS		2 000	U	NS		NS		NS		NS		2 000	U	2 000	U	2 000	U
	27-Oct-08	2 000	U	NS		NS		NS		2 000	U	NS		NS		NS		NS		2 000	U	2 000	U
	25-Nov-08	NS		2 000	U	NS		NS		NS		NS		2 000	U	NS		NS		2 000	U	NS	
	18-Dec-08	NS		NS		2 000	U	NS		NS		NS		NS		2 000	U	NS		2 000	U	2 000	U
	21-Jan-09	NS		NS		NS		2 000	U	NS		NS		NS		NS		2 000	U	2 000	U	2 000	U
	25-Feb-09	2 000	U	NS		NS		NS		2 000	U	NS		NS		NS		2 000	U	NS		2 000	U
	26-Mar-08	NS		0 404	U	NS		NS		NS		0 809	U	NS		NS		NS		0 081	U	0 081	U
	29-Apr-08	NS		NS		0 190		NS		NS		NS		0 081	U	NS		0 121		NS		0 081	U
	22-Jul-08	0 404	U	NS		18 900	U	0 809	U	NS		0 404	U	NS		NS		0 081	U	0 081	U	NS	
	9-Oct-08	NS		0 081	U	NS		NS		0 081	U	NS		0 081	U	18 900	U	0 081	U	NS		0 081	U
	15-Jan-10	0 137	U	NS		0 081	U	0 801	U	NS		0 081	U	NS		NS		0 081	U	0 081	U	NS	
	21-Apr-10	NS		0 081	U	NS		NS		0 404	U	NS		0 404	U	0 404	U	0 081	U	NS		0 081	U
	16-Jul-10	0 081	U	NS		2 480		0 081	U	NS		0 871	U	NS		NS		0 081	U	0 081	U	NS	
Methyl tert-butyl ether (MTBE)	8-Feb-08	0 070	U	NS		NS		NS		0 070	U	NS		NS		NS		0 140		0 070	U	NS	
	27-Mar-08	NS		0 072	U	NS		NS		NS		0 072	U	NS		NS		NS		0 185		0 128	
	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		0 070	U	NS		NS		NS		NS		0 070	U	0 070	U	NS	
	27-Jun-08	0 438		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		0 108		NS		NS		NS		0 072	U	NS		0 172	U	0 140		NS	
	30-Sep-08	NS		NS		NS		1 800	U	NS		NS		NS		1 800	U	NS		1 800	U	1 800	U
	27-Oct-08	1 800	U	NS		NS		NS		2 800		NS		NS		NS		3 200		NS		5 800	
	25-Nov-08	NS		1 800	U	NS		NS		NS		1 800	U	NS		NS		1 800	U	1 800	U	NS	
	18-Dec-08	NS		NS		1 800	U	NS		NS		NS		1 800	U	NS		1 800	U	1 800	U	1 800	U
	21-Jan-09	NS		NS		NS		1 800	U	NS		NS		NS		1 800	U	1 800	U	NS		1 800	U
	25-Feb-09	1 800		NS		NS		NS		1 800	U	NS		NS		NS		1 800	U	1 800	U	NS	
	26-Mar-08	NS		0 360	U	NS		NS		NS		0 720	U	NS		NS		NS		0 072	U	0 072	U
	29-Apr-09	NS		NS		0 072	U	NS		NS		NS		0 072	U	NS		0 072	U	NS		0 072	U
	22-Jul-09	0 360	U	NS		0 360	U	0 720	U	NS		0 360	U	NS		NS		0 072	U	0 072	U	NS	
	9-Oct-09	NS		0 072	U	NS		NS		0 072	U	NS		0 072	U	15 000	U	0 088		NS		0 081	
	15-Jan-10	0 079		NS		0 072	U	0 072	U	NS		0 072	U	NS		NS		0 072	U	0 072	U	NS	
	21-Apr-10	NS		0 072	U	NS		NS		0 360	U	NS		1 800	U	0 360	U	0 072	U	NS		0 072	U
	16-Jul-10	0 072	U	NS		0 072	U	0 072	U	NS		0 544	U	NS		NS		0 072	U	0 072	U	NS	

Summary of Sub-Slab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2010

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	MP-9	Qual	MP-2	Qual	MP-3	Qual
2-Butanone	8-Feb-08	126 000		NS		NS		NS		1 470	U	NS		NS		NS		3 080		10 600		NS	
	27-Mar-08	NS		229 000		NS		NS		NS		NS		1680 000		NS		NS		14 900		9 200	
	25-Apr-08	NS		NS		477 000		NS		NS		NS		NS		581 000		2 240		NS		1 470	U
	29-May-08	NS		NS		NS		527 000		NS		NS		NS		NS		2 270		3 040		NS	
	27-Jun-08	1080 000		NS		NS		NS		598 000		NS		NS		NS		NS		6 820		5 640	
	31-Jul-08	NS		1350 000		NS		NS		NS				NS		NS		*2 000		NS		2 580	
	28-Aug-08	NS		NS		8380 000		NS		NS		NS		102 000		NS		5 290		9 180		NS	
	30-Sep-08	NS		NS		NS		101 000		NS		NS		NS		194 000		NS		2 000		1 500	U
	27-Oct-08	53 500		NS		NS		NS		30 500		NS		NS		NS		2 400		NS		5 700	
	25-Nov-08	NS		802 000		NS		NS		NS		258 000		NS		NS		1 600		2 400		NS	
	18-Dec-08	NS		NS		5430 000		NS		NS		NS		8 300		NS		NS		2 800		3 300	
	21-Jan-09	NS		NS		NS		209 000		NS		NS		NS		24 000		1 500	U	NS		1 500	U
	25-Feb-09	30 000		NS		NS		NS		188 000		NS		NS		NS		1 500	U	1 500	U	NS	
	26-Mar-09	NS		926 000		NS		NS		NS		29 100		NS		NS		NS		2 880		3 020	
	29-Apr-09	NS		NS		12400 000		NS		NS		NS		38 100		NS		1 470	U	NS		3 080	
	22-Jul-09	433 000		NS		433 000		410 000		NS		151 000		NS		NS		21 600		2 800		NS	
	9-Oct-09	NS		288 000		NS		NS		1 470	U	NS		19 100		NS		2 750		NS		12 400	
	15-Jan-10	29 800		NS		826 000		NS		NS		38 400		NS		NS		2 840		1 800		NS	
	21-Apr-10	NS		6 440		NS		NS		7 370	U	NS		34 800		1840 000		16 800		NS		14 900	
	16-Jul-10	5320 000		NS		21000 000		441 000		NS		10400 000		NS		NS		1 540		2 800		NS	
cis-1 2-Dichloroethene	8-Feb-08	0 080	U	NS		NS		NS		0 080	U	NS		NS		NS		NS		0 080	U	NS	
	27-Mar-08	NS		0 079	U	NS		NS		NS		0 078	U	NS		NS		NS		0 078	U	0 079	U
	25-Apr-08	NS		NS		0 078	U	NS		NS		NS		0 079	U	NS		0 079	U	NS		0 079	U
	29-May-08	NS		NS		NS		0 080	U	NS		NS		NS		0 080	U	0 080	U	0 080	U	NS	
	27-Jun-08	0 123	U	NS		NS		NS		0 079	U	NS		NS		NS		NS		0 079	U	0 079	U
	31-Jul-08	NS		0 079	U	NS		NS		NS		NS		NS		NS		0 079	U	NS		0 079	U
	28-Aug-08	NS		NS		0 079	U	NS		NS		NS		NS		0 079	U	0 079	U	0 079	U	NS	
	30-Sep-08	NS		NS		NS		5 600	U	NS		NS		NS		NS		NS		4 800	U	5 900	U
	27-Oct-08	2 000	U	NS		NS		NS		2 000	U	NS		NS		NS		2 000	U	NS		2 000	U
	25-Nov-08	NS		2 000	U	NS		NS		NS		2 000	U	NS		NS		2 000	U	2 000	U	NS	
	18-Dec-08	NS		NS		2 000	U	NS		NS		NS		2 000	U	NS		NS		2 000	U	2 000	U
	21-Jan-09	NS		NS		NS		2 000	U	NS		NS		NS		NS		2 000	U	NS		2 000	U
	25-Feb-09	2 000	U	NS		NS		NS		2 000	U	NS		NS		NS		2 000	U	NS		2 000	U
	26-Mar-09	NS		0 396	U	NS		NS		NS		0 792	U	NS		NS		NS		0 079	U	0 079	U
	29-Apr-09	NS		NS		0 078	U	NS		NS		NS		0 079	U	NS		0 079	U	0 079	U	NS	
	22-Jul-09	0 396	U	NS		595 000		0 792	U	NS		0 396	U	NS		16 900	U	0 079	U	NS		0 079	U
	9-Oct-09	NS		0 079	U	NS		NS		0 079	U	NS		0 079	U	NS		0 079	U	0 079	U	NS	
	15-Jan-10	0 079	U	NS		0 078	U	0 078	U	NS		NS		NS		NS		0 079	U	NS		0 079	U
	21-Apr-10	NS		0 079	U	NS		NS		0 396	U	NS		0 396	U	0 396	U	0 079	U	NS		NS	
	16-Jul-10	0 079	U	NS		0 079	U	0 079	U	NS		0 598	U	NS		NS		0 078	U	0 079	U	NS	
Chloroform	8-Feb-08	0 100	U	NS		NS		NS		NS	U	NS		NS		NS		0 120		0 120		NS	
	27-Mar-08	NS		0 098	U	NS		NS		NS		0 125		NS		NS		NS		0 453		0 647	
	25-Apr-08	NS		NS		0 231		NS		NS		NS		0 203		NS		0 134		NS		0 265	
	29-May-08	NS		NS		NS		0 140		NS		NS		NS		NS		0 100	U	0 110		0 140	
	27-Jun-08	0 263		NS		NS		NS		0 623		NS		NS		NS		NS		NS		0 305	
	31-Jul-08	NS		0 145		NS		NS		NS		NS		NS		NS		NS		0 130		0 124	
	28-Aug-08	NS		NS		0 098	U	NS		NS		NS		1 200		NS		NS		0 331		NS	
	30-Sep-08	NS		NS		NS		0 490	U	NS		NS		NS		0 490	U	NS		0 490	U	0 490	U
	27-Oct-08	0 490	U	NS		NS		NS		0 490	U	NS		NS		NS		0 490	U	NS		0 490	U
	25-Nov-08	NS		0 240	U	NS		NS		NS		0 240	U	NS		NS		0 240	U	0 240	U	NS	
	18-Dec-08	NS		NS		0 240	U	NS		NS		NS		0 240	U	NS		NS		0 240	U	0 240	U
	21-Jan-09	NS		NS		NS		0 240	U	NS		NS		NS		NS		0 240	U	0 240	U	NS	
	25-Feb-09	0 240	U	NS		NS		NS		0 240	U	NS		NS		NS		0 240	U	0 240	U	0 240	U
	26-Mar-09	NS		0 488	U	NS		NS		NS		NS		1 290		NS		NS		0 098	U	NS	
	29-Apr-09	NS		NS		0 098	U	NS		NS		NS		NS		0 136		NS		0 285		0 200	
	22-Jul-09	0 488	U	NS		19 800	U	0 978	U	NS		NS		0 488	U	NS		0 098	U	0 429		1 340	
	9-Oct-09	NS		0 205		NS		NS		0 283		NS		0 286		20 400	U	0 317		NS		0 312	
	15-Jan-10	0 176		NS		7 220		0 146		NS		0 190		NS		NS		0 099	U	0 185		NS	
	21-Apr-10	NS		0 098	U	NS		NS		0 488	U	NS		0 488	U	0 488	U	0 220		NS		0 200	
	16-Jul-10	0 381		NS		0 098	U	0 215		NS		0 737	U	NS		NS		0 205	U	0 346		NS	
1 2-Dichloroethane	8-Feb-08	0 080	U	NS		NS		NS		0 080	U	NS		NS		NS		NS		0 080	U	NS	
	27-Mar-08	NS		0 081	U	NS		NS		NS		0 143		NS		NS		0 081	U	0 081	U	0 100	
	25-Apr-08	NS		NS		0 081	U	NS		NS		NS		0 081	U	NS		NS		NS		0 068	
	29-May-08	NS		NS		NS		0 080		NS		NS		NS		NS		0 110		0 080	U	NS	
	27-Jun-08	0 126	U	NS		NS		NS		0 153		NS		NS		NS		NS		0 110		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		0 179		NS		NS		NS		NS		NS		0 081	U	0 081	U	NS	
	27-Oct-08	NS		NS		NS		0 080	U	NS		NS		NS		NS		0 080	U	NS		0 080	U
	27-Oct-08	0 080	U	NS		NS		NS		0 080	U	NS		NS		NS		NS		0 080	U	0 095	
	25-Nov-08	NS		0 080	U	NS		NS		NS		0 080	U	NS		NS		NS		0 080	U	NS	
	18-Dec-08	NS		NS		0 080	U	NS		NS		NS		0 080	U	NS		0 080	U	0 080	U	0 080	U
	21-Jan-09	NS		NS		NS		0 080	U	NS		NS		NS		NS		0 080	U	NS		NS	
	25-Feb-09	0 080	U	NS		NS		NS		0 080	U	NS		0 808	U	NS		0 080	U	0 080	U	0 133	
	26-Mar-09	NS		0 404	U	NS		NS		NS		NS		NS		0 081	U	NS		NS		0 088	
	29-Apr-09	NS		NS		0 318		NS		NS		NS		0 404	U	NS		NS		0 081	U	NS	
	22-Jul-09	0 404	U	NS		19 500	U	0 808	U	NS		0 081	U	NS		0 081	U	16 800	U	0 081	U	0 088	U
	9-Oct-09	NS		0 081	U	NS		NS		0 081	U	NS		0 081	U	NS		NS		0 081	U	NS	
	15-Jan-10	0 081	U	NS		0 081	U	0 081	U	NS		0 081	U	NS		0 081	U	NS		0 081	U	0 081	U
	21-Apr-10	NS		0 081	U	NS		NS		0 404	U	NS		0 404	U	NS		0 081	U	NS		NS	
	16-Jul-10	0 101		NS		1 440		0 081	U	NS		0 611	U	NS		NS		0 081	U	0 081	U	NS	

Summary of Sub-Slab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2010

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	MP-1	Qual	MP-2	Qual	MP-3	Qual
1,1,1-Trichloroethane*	8-Feb-08	0.110	U	NS		NS		NS		0.110	U	NS		NS		NS		0.110	U	0.580		NS	
	27-Mar-08	NS		0.109	U	NS		NS		NS		0.109	U	NS		NS		NS		0.522		0.268	
	25-Apr-08	NS		NS		0.109	U	NS		NS		NS		0.109	U	NS		0.109	U	NS		0.119	
	29-May-08	NS		NS		NS		0.120		NS		NS		NS		NS	U	0.110	U	0.540		NS	
	27-Jun-08	0.170	U	NS		NS		NS		0.458		NS		NS		NS		NS		0.377		0.138	
	31-Jul-08	NS		0.109	U	NS		NS		NS		NS		NS		NS		0.109	U	NS		0.109	U
	28-Aug-08	NS		NS		0.109	U	NS		NS		NS		0.153		NS		0.109	U	0.492		NS	
	30-Sep-08	NS		NS		NS		2.700	U	NS		NS		NS		2.700	U	NS		2.700	U	2.700	U
	27-Oct-08	3.400	U	NS		NS		NS		3.400	U	NS		NS		NS		3.400	U	NS		3.400	U
	25-Nov-08	NS		2.700	U	NS		NS		NS		2.700	U	NS		NS		2.700	U	2.700	U	NS	
	16-Dec-08	NS		NS		2.700	U	NS		NS		NS		2.700	U	NS		NS		2.700	U	2.700	U
	21-Jan-09	NS		NS		NS		2.700	U	NS		NS		NS		2.700	U	2.700	U	NS		2.700	U
	25-Feb-09	2.700	U	NS		NS		NS		2.700	U	NS		NS		NS		2.700	U	2.700	U	NS	
	26-Mar-09	NS		1.590		NS		NS		NS		1.080	U	NS		NS		NS		0.882		0.213	
	29-Apr-09	NS		NS		0.174		NS		NS		NS		0.147		NS		0.156		NS		0.191	
	22-Jul-09	0.545	U	NS		22.200	U	1.080	U	NS		0.545	U	NS		NS		0.109	U	0.278		NS	
	8-Oct-09	NS		0.109	U	NS		NS		0.156		NS		0.191		22.800	U	0.109	U	NS		0.136	
	15-Jan-10	0.109	U	NS		0.109	U	1.080	U	NS		0.109	U	NS		NS		0.109	U	0.892		NS	
	21-Apr-10	NS		0.109	U	NS		NS		0.545	U	NS		0.545	U	0.545	U	0.109		NS		1.090	U
	16-Jul-10	0.109	U	NS		0.109	U	0.109	U	NS		0.824	U	NS		NS		0.109	U	0.562		NS	
Benzene	8-Feb-08	0.320		NS		NS		NS		0.980		NS		NS		NS		0.540		0.850		NS	
	27-Mar-08	NS		0.540		NS		NS		NS		0.462		NS		NS		NS		0.786		0.636	
	25-Apr-08	NS		NS		0.584		NS		NS		NS		0.745		NS		0.428		NS		0.538	
	29-May-08	NS		NS		NS		0.730		NS		NS		NS		NS		1.120		0.610		NS	
	27-Jun-08	0.628		NS		NS		NS		0.466		NS		NS		NS		NS		0.489		0.399	
	31-Jul-08	NS		0.418		NS		NS		NS		NS		NS		NS		0.358		NS		0.265	
	28-Aug-08	NS		NS		1.020		NS		NS		NS		0.537		NS		0.615		0.892		NS	
	30-Sep-08	NS		NS		NS		1.600	U	NS		NS		NS		1.600	U	NS		1.600	U	1.600	U
	27-Oct-08	1.600	U	NS		NS		NS		1.600	U	NS		NS		NS		1.600	U	NS	U	1.600	U
	25-Nov-08	NS		1.600	U	NS		NS		NS		1.600	U	NS		1.600	U	1.600	U	1.600	U	NS	
	16-Dec-08	NS		NS		1.600	U	NS		NS		NS		1.600	U	NS		NS		1.600	U	1.600	U
	21-Jan-09	NS		NS		NS		1.600	U	NS		NS		NS		1.600	U	1.600	U	NS		1.600	U
	25-Feb-09	1.600	U	NS		NS		NS		1.600	U	NS		NS		NS		NS		1.600	U	NS	
	26-Mar-09	NS		2.100		NS		NS		NS		2.230	U	NS		NS		NS		0.945		1.480	
	29-Apr-09	NS		NS		0.803		NS		NS		NS		0.246		NS		0.223	U	NS		0.367	
	22-Jul-09	1.120	U	NS		56.000		2.230	U	NS		1.450		NS		4.270		0.629		NS		0.824	
	8-Oct-09	NS		1.150		NS		NS		0.974		NS		0.431		46.600	U	0.619		NS		0.824	
	15-Jan-10	0.763		NS		0.887		0.980		NS		1.280		NS		NS		0.964		0.964		NS	
	21-Apr-10	NS		0.373		NS		NS		0.180	U	NS		1.600	U	1.600	U	0.635		NS		1.280	
	16-Jul-10	0.332		NS		1.530		0.669		NS		2.410	U	NS		NS		0.319	U	0.319	U	NS	
Carbon tetrachloride	8-Feb-08	0.440		NS		NS		NS		0.480		NS		NS		NS		0.530		0.450		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		0.490		NS		NS		NS		NS		0.480		0.470		0.480	
	27-Jun-08	0.478		NS		NS		NS		0.508		NS		NS		NS		NS		0.533		0.553	
	31-Jul-08	NS		0.578		NS		NS		NS		NS		NS		NS		0.548		NS		0.495	
	28-Aug-08	NS		NS		0.515		NS		NS		NS		0.548		NS		0.567		0.583		NS	
	30-Sep-08	NS		NS		NS		0.511		NS		NS		NS		NS		0.577		NS		0.468	
	27-Oct-08	0.480		NS		NS		NS		0.580		NS		NS		NS		0.410		NS		0.580	
	25-Nov-08	NS		0.500		NS		NS		NS		0.420		NS		NS		0.500		0.440		NS	
	16-Dec-08	NS		NS		0.230		NS		NS		NS		0.260		NS		NS		0.480		0.480	
	21-Jan-09	NS		NS		NS		0.390		NS		NS		NS		0.470		0.270		NS		0.670	
	25-Feb-09	0.380		NS		NS		NS		0.380		NS		NS		NS		0.370		0.380		NS	
	26-Mar-09	NS		0.629	U	NS		NS		NS		1.260	U	NS		NS		NS		0.801		0.585	
	29-Apr-09	NS		NS		0.484		NS		NS		NS		0.528		NS		0.528		NS		0.854	
	22-Jul-09	0.629	U	NS		25.600	U	1.260	U	NS		0.629	U	NS		NS		0.515		0.503		NS	
	8-Oct-09	NS		0.681		NS		NS		0.669		NS		0.485		26.200	U	0.710		NS		0.891	
	15-Jan-10	0.427		NS		0.647		0.509		NS		0.541		NS		NS		0.541		0.526		NS	
	21-Apr-10	NS		0.126		NS		NS		0.629	U	NS		0.629	U	0.629	U	0.810		NS		0.503	
	16-Jul-10	0.459		NS		0.478		0.515		NS		0.950	U	NS		NS		0.568		0.908		NS	
1,2-Dichloropropane	8-Feb-08	0.090	U	NS		NS		NS		0.090	U	NS		NS		NS		0.090	U	0.090	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		0.090	U	NS		NS		NS		NS	U	0.090	U	0.090	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		0.092	U	0.092	U	NS	
	30-Sep-08	NS		NS		NS		0.090	U	NS		NS		NS		NS	U	0.090	U	NS		0.090	U
	27-Oct-08	0.090	U	NS		NS		NS		0.090	U	NS		NS		NS		0.090	U	NS		0.090	U
	25-Nov-08	NS		0.090	U	NS		NS		NS		0.090	U	NS		NS		0.090	U	0.090	U	NS	
	16-Dec-08	NS		NS		0.090	U	NS		NS		NS		0.090	U	NS		NS		0.090	U	0.090	U
	21-Jan-09	NS		NS		NS		0.090	U	NS		NS		NS		0.090	U	0.090	U	NS		0.090	U
	25-Feb-09	0.090	U	NS		NS		NS		0.090	U	NS		NS		NS		0.090	U	0.090	U	NS	
	26-Mar-09	NS		0.462	U	NS		NS		NS		0.924	U	NS		NS		NS		0.092	U	0.092	U
	29-Apr-09	NS		NS		0.092	U	NS		NS		NS		0.092	U	NS		0.092	U	NS		0.092	U
	22-Jul-09	0.462	U	NS		19.600	U	0.924	U	NS		0.462	U	NS		NS		0.092	U	0.092	U	NS	
	8-Oct-09	NS		0.092	U	NS		NS		0.092	U	NS		0.092	U	19.300	U	0.092	U	NS		0.092	U
	15-Jan-10	0.092	U	NS		0.092	U	0.092	U	NS		0.092	U	NS		NS		0.092	U	0.092	U	NS	
	21-Apr-10	NS		0.092	U	NS		NS		0.462	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		0.606	U	NS		NS		0.092	U	0.092	U	NS	

Summary of Sub-Slab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2010

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	MP-1	Qual	MP-2	Qual	MP-3	Qual
Bromodichloromethane	8-Feb-08	0.130	U	NS		NS		NS		0.130	U	NS		NS		NS		0.130	U	0.130	U	NS	
	27-Mar-08	NS		0.134	U	NS		NS		NS		0.134	U	NS		NS		NS		0.134	U	0.134	U
	25-Apr-08	NS		NS		0.134	U	NS		NS		NS		0.134	U	NS		0.134	U	NS		0.134	U
	29-May-08	NS		NS		NS		0.130	U	NS		NS		NS		0.130	U	0.130	U	0.130	U	NS	
	27-Jun-08	0.200	U	NS		NS		NS		0.134	U	NS		NS		NS		NS		0.134	U	0.134	U
	31-Jul-08	NS		0.134	U	NS		NS		NS		NS		NS		NS		0.134	U	NS		0.134	U
	28-Aug-08	NS		NS		0.134	U	NS		NS		NS		0.134	U	NS		0.134	U	0.134	U	NS	
	30-Sep-08	NS		NS		NS		0.520		NS		NS		NS		0.130	U	NS		0.230		0.130	U
	27-Oct-08	0.130	U	NS		NS		NS		1.070		NS		0.130	U	NS		0.130	U	NS		0.130	U
	25-Nov-08	NS		0.130	U	NS		NS		NS		NS		NS		0.130	U	NS		3.000		NS	
	18-Dec-08	NS		NS		0.130	U	NS		NS		NS		NS		NS		0.130	U	NS		0.130	U
	21-Jan-09	NS		NS		NS		0.130	U	NS		NS		NS		NS		0.130	U	0.130	U	0.130	U
	25-Feb-09	0.130	U	NS		NS		NS		0.130	U	NS		NS		NS		0.130	U	0.130	U	NS	
	26-Mar-09	NS		0.670	U	NS		NS		NS		1.340	U	NS		NS		0.134	U	0.134	U	0.134	U
	28-Apr-09	NS		NS		0.134	U	NS		NS		NS		0.134	U	NS		0.134	U	NS		0.134	U
	22-Jul-09	0.670	U	NS		27.300		NS		1.540	U	NS		0.670	U	NS		0.134	U	0.134	U	NS	
	8-Oct-09	NS		0.134	U	NS		NS		0.134	U	NS		NS		NS		0.134	U	28.000		0.134	U
	15-Jan-10	0.134	U	NS		0.134	U	NS		0.134	U	NS		0.134	U	NS		0.134	U	NS		0.134	U
	21-Apr-10	NS		0.134	U	NS		NS		NS		0.670	U	NS		0.670	U	0.670	U	0.134	U	NS	
	16-Jul-10	0.134	U	NS		0.134	U	0.134	U	NS		NS		1.010	U	NS		NS		0.134	U	0.134	U
Trichloroethene*	8-Feb-08	0.120		NS		NS		NS		0.110	U	NS		NS		NS		NS		0.200		19.600	
	27-Mar-08	NS		0.107	U	NS		NS		NS		0.152		NS		NS		NS		NS		15.400	
	25-Apr-08	NS		NS		0.180		NS		NS		NS		1.360		NS		0.868		NS		3.380	
	29-May-08	NS		NS		NS		26.500		NS		NS		0.150		NS		0.170		15.800		NS	
	27-Jun-08	0.408		NS		NS		NS		256.000		NS		NS		NS		NS		13.600		6.540	
	31-Jul-08	NS		1.240		NS		NS		NS		NS		NS		NS		0.128		NS		3.260	
	28-Aug-08	NS		NS		0.958		NS		NS		NS		NS		3.500		0.432		16.400		NS	
	30-Sep-08	NS		NS		NS		56.200		NS		NS		NS		NS		0.800	U	NS		22.700	
	27-Oct-08	0.800	U	NS		NS		NS		117.000		NS		NS		NS		NS		2.980		NS	
	25-Nov-08	NS		2.820		NS		NS		NS		1.880		NS		NS		0.540	U	NS		39.900	
	18-Dec-08	NS		NS		0.540	U	NS		NS		NS		NS		0.540	U	NS		0.540	U	NS	
	21-Jan-09	NS		NS		NS		18.800		NS		NS		NS		NS		0.540	U	0.560		10.700	
	25-Feb-09	0.440		NS		NS		NS		98.500		NS		NS		NS		NS		NS		25.100	
	26-Mar-09	NS		9.200		NS		NS		NS		1.880		NS		1.200		NS		0.162		NS	
	28-Apr-09	NS		NS		0.220		NS		NS		NS		NS		NS		0.354		10.300		NS	
	22-Jul-09	0.537	U	NS		0.537	U	12.700		NS		1.180		NS		1.240		22.400	U	0.162	U	3.260	
	8-Oct-09	NS		0.081	U	NS		NS		26.000		NS		0.172		NS		0.107	U	18.500		NS	
	15-Jan-10	0.591		NS		0.242		17.700		NS		NS		NS		0.940		0.537	U	NS		2.010	
	21-Apr-10	NS		0.107	U	NS		NS		14.000		NS		0.811	U	NS		NS		27.800		NS	
	16-Jul-10	0.333		NS		0.333		8.140		NS													
cis 1,3-Dichloropropene	8-Feb-08	0.090	U	NS		NS		NS		0.090	U	NS		NS		NS		NS		0.090	U	NS	
	27-Mar-08	NS		0.091	U	NS		NS		NS		0.091	U	NS		NS		NS		NS		0.091	U
	25-Apr-08	NS		NS		0.091	U	NS		NS		NS		0.091	U	0.091	U	NS		0.090	U	NS	
	29-May-08	NS		NS		NS		0.090	U	NS		NS		NS		NS		0.090	U	NS		0.091	U
	27-Jun-08	0.141	U	NS		NS		NS		0.091	U	NS		NS		NS		NS		0.091	U	NS	
	31-Jul-08	NS		0.091	U	NS		NS		NS		NS		NS		NS		0.091	U	NS		0.091	U
	28-Aug-08	NS		NS		0.091	U	NS		NS		NS		NS		0.091	U	NS		0.091	U	NS	
	27-Oct-08	NS		NS		NS		0.180	U	NS		NS		NS		NS		0.180	U	NS		0.180	U
	27-Oct-08	0.180	U	NS		NS		NS		0.180	U	NS		NS		NS		NS		0.180	U	NS	
	25-Nov-08	NS		0.180	U	NS		NS		NS		0.180	U	NS		NS		NS		0.180	U	0.180	U
	18-Dec-08	NS		NS		0.180	U	NS		NS		NS		0.180	U	NS		0.180	U	NS		0.180	U
	21-Jan-09	NS		NS		NS		0.180	U	NS		NS		NS		NS		0.180	U	0.180	U	NS	
	25-Feb-09	0.180	U	NS		NS		NS		0.180	U	NS		0.807	U	NS		NS		0.180	U	0.810	U
	26-Mar-09	NS		0.453	U	NS		NS		NS		NS		NS		0.091	U	NS		0.091	U	NS	
	29-Apr-09	NS		NS		0.091	U	NS		NS		NS		0.453	U	NS		0.091	U	0.091	U	NS	
	22-Jul-09	0.453	U	NS		18.500	U	0.807	U	NS		0.091	U	NS		0.091	U	18.900	U	0.091	U	0.091	U
	8-Oct-09	NS		0.091	U	NS		NS		0.091	U	NS		0.091	U	NS		NS		0.091	U	NS	
	15-Jan-10	0.091	U	NS		0.091	U	0.091	U	NS		0.091	U	NS		0.453	U	0.453	U	0.091	U	0.091	U
	21-Apr-10	NS		0.091	U	NS		NS		0.453	U	NS		0.695		NS		NS		0.091	U	NS	
	16-Jul-10	0.091	U	NS		0.091	U	0.091	U	NS													
4-Methyl-2-pentanone	8-Feb-08	2.050	U	NS		NS		NS		2.050	U	NS		NS		NS		NS		2.050	U	8.700	
	27-Mar-08	NS		2.050	U	NS		NS		NS		NS		NS		NS		NS		NS		15.200	
	25-Apr-08	NS		NS		2.050	U	NS		NS		NS		2.050	U	NS		2.050	U	NS		2.050	U
	29-May-08	NS		NS		NS		2.050	U	NS		NS		NS		NS		2.050	U	2.050	U	NS	
	27-Jun-08	3.190	U	NS		NS		NS		2.050	U	NS		NS		NS		NS		2.050	U	2.050	U
	31-Jul-08	NS		2.050	U	NS		NS		NS		NS		NS		NS		2.050	U	NS		2.050	U
	28-Aug-08	NS		NS		2.050	U	NS		NS		NS		NS		2.050	U	NS		2.050	U	NS	
	30-Sep-08	NS		NS		NS		2.000	U	NS		NS		NS		NS		2.000	U	NS		2.000	U
	27-Oct-08	2.000	U	NS		NS		NS		2.000	U	NS		2.000	U	NS		NS		2.000	U	NS	
	25-Nov-08	NS		3.800		NS		NS		NS		NS		NS		2.000	U	NS		NS		2.000	U
	18-Dec-08	NS		NS		2.000	U	NS		NS		NS		NS		NS		2.000	U	NS		2.000	U
	21-Jan-09	NS		NS		NS		2.000	U	NS		NS		NS		NS		2.000	U	2.000	U	NS	
	25-Feb-09	2.000	U	NS		NS		NS		2.000	U	NS		NS		NS		NS		2.000	U	2.050	U
	26-Mar-09	NS		10.200	U	NS		NS		NS		20.500	U	NS		NS		NS		2.050	U	2.050	U
	29-Apr-09	NS		NS		2.050	U	NS		NS		NS		10.200	U	NS		NS		2.050	U	NS	
	22-Jul-09	10.200	U	NS		10.200	U	20.500	U	NS		2.050	U	NS		2.050	U	427.000	U	2.050	U	NS	
	8-Oct-09	NS		2.050	U	NS		NS		2.050	U	NS		2.050	U	NS		NS		2.050	U	NS	
	15-Jan-10	2.050	U	NS		2.050	U	2.050	U	NS		10.200	U	NS		10.200	U	10.200	U	2.050	U	2.050	U
	21-Apr-10	NS		2.050	U	NS		NS		10.200	U	NS		15.400	U	NS		NS		2.050	U	NS	
	16-Jul-10	2.050	U	NS		2.050	U	2.050	U	NS													

Summary of Sub-Slab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2010

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	MP 1	Qual	MP 2	Qual	MP 3	Qual
trans-1,3-Dichloropropene	8-Feb-08	0.090	U	NS		NS		NS		0.090	U	NS		NS		NS		0.090	U	0.090	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		0.091	U	NS		0.091	U
	29-May-08	NS		NS		NS		0.090	U	NS		NS		NS		0.090	U	0.090	U	0.090	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	
	30-Sep-08	NS		NS		NS		0.180	U	NS		NS		NS		0.180	U	NS		0.180	U	0.180	U
	27-Oct-08	0.180	U	NS		NS		NS		0.180	U	NS		NS		NS		0.180	U	NS		0.180	U
	25-Nov-08	NS		0.180	U	NS		NS		NS		0.180	U	NS		NS		0.180	U	0.180	U	NS	
	18-Dec-08	NS		NS		0.180	U	NS		NS		NS		0.180	U	NS		NS		0.180	U	0.180	U
	21-Jan-09	NS		NS		NS		0.180	U	NS		NS		NS		0.180	U	0.180	U	NS		0.180	U
	25-Feb-09	0.180	U	NS		NS		NS		0.180	U	NS		NS		NS		0.180	U	0.180	U	NS	
	26-Mar-09	NS		0.453	U	NS		NS		NS		0.907	U	NS		NS		NS		0.091	U	0.091	U
	29-Apr-09	NS		NS		0.091	U	NS		NS		NS		0.091	U	NS		0.091	U	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	18.900	U	0.091	U	NS		0.091	U
	15-Jan-10	0.091		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
	18-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	
1,1,2-Trichloroethane	8-Feb-08	0.110	U	NS		NS		NS		0.110	U	NS		NS		NS		0.110	U	0.110	U	NS	
	27-Mar-08	NS		0.109	U	NS		NS		NS		0.109	U	NS		NS		NS		0.109	U	0.109	U
	25-Apr-08	NS		NS		0.109	U	NS		NS		NS		0.109	U	NS		0.109	U	NS		0.109	U
	29-May-08	NS		NS		NS		0.110	U	NS		NS		NS		0.110	U	0.110	U	0.110	U	NS	
	27-Jun-08	0.170	U	NS		NS		NS		0.109	U	NS		NS		NS		NS		0.109	U	0.109	U
	31-Jul-08	NS		0.109	U	NS		NS		NS		NS		NS		NS		0.109	U	NS		0.109	U
	28-Aug-08	NS		NS		0.109	U	NS		NS		NS		NS		0.109	U	NS		0.109	U	NS	
	30-Sep-08	NS		NS		NS		0.110	U	NS		NS		NS		NS		0.110	U	NS		0.110	U
	27-Oct-08	0.110	U	NS		NS		NS		0.110	U	NS		NS		NS		NS		0.110	U	0.110	U
	25-Nov-08	NS		0.110	U	NS		NS		NS		0.110	U	NS		NS		0.110	U	0.110	U	NS	
	18-Dec-08	NS		NS		0.110	U	NS		NS		NS		0.110	U	NS		NS		0.110	U	0.110	U
	21-Jan-09	NS		NS		NS		0.110	U	NS		NS		NS		NS		0.110	U	NS		0.110	U
	25-Feb-09	0.110	U	NS		NS		NS		0.110	U	NS		NS		NS		0.110	U	0.110	U	NS	
	26-Mar-09	NS		0.545	U	NS		NS		NS		1.090	U	NS		NS		0.109	U	0.109	U	0.109	U
	29-Apr-09	NS		NS		0.109	U	NS		NS		NS		0.109	U	NS		0.109	U	NS		0.109	U
	22-Jul-09	0.545	U	NS		22.200	U	1.090	U	NS		0.545	U	NS		NS		0.109	U	0.109	U	NS	
	9-Oct-09	NS		0.109	U	NS		NS		0.109	U	NS		0.109	U	22.800	U	0.109	U	NS		0.109	U
	15-Jan-10	0.109	U	NS		0.109	U	1.090	U	NS		0.081	U	NS		NS		0.109	U	0.109	U	NS	
	21-Apr-10	NS		0.109	U	NS		NS		0.545	U	NS		0.545	U	0.545	U	0.109	U	NS		0.109	U
	18-Jul-10	0.109	U	NS		0.109	U	0.109	U	NS		0.824	U	NS		NS		1.080	U	0.109	U	NS	
Toluene	8-Feb-08	1.630		NS		NS		NS		1.600		NS		NS		NS		2.720		455.000		NS	
	27-Mar-08	NS		2.240		NS		NS		NS		1.450		NS		NS		NS		11.300		16.100	
	25-Apr-08	NS		NS		1.580		NS		NS		NS		1.540		NS		11.200		NS		21.800	
	29-May-08	NS		NS		NS		7.740		NS		NS		NS		11.800		21.000		13.000		NS	
	27-Jun-08	14.700		NS		NS		NS		2.130		NS		NS		NS		NS		10.600		22.200	
	31-Jul-08	NS		4.150		NS		NS		NS		NS		NS		NS		10.200		NS		8.110	
	28-Aug-08	NS		NS		6.480		NS		NS		NS		NS		3.440		10.000		11.200		NS	
	30-Sep-08	NS		NS		NS		1.900	U	NS		NS		NS		NS		6.100		NS		7.500	
	27-Oct-08	56.300		NS		NS		NS		5.200		NS		NS		NS		8.800		7.500		9.800	
	25-Nov-08	NS		7.800		NS		NS		NS		NS		NS		NS		6.800		NS		6.200	
	18-Dec-08	NS		NS		2.000		NS		NS		NS		NS		NS		29.900		18.800		NS	
	21-Jan-09	NS		NS		NS		1.900	U	NS		NS		NS		1.900	U	NS		NS		4.800	
	25-Feb-09	7.000		NS		NS		NS		1.900	U	NS		NS		NS		1.900	U	1.900	U	NS	
	26-Mar-09	NS		3.530		NS		NS		NS		3.970		NS		NS		NS		13.800		NS	
	29-Apr-09	NS		NS		1.980		NS		NS		NS		0.851		NS		NS		7.230		9.750	
	22-Jul-09	38.700		NS		38.700		2.220		NS		4.710		NS		NS		0.149		NS		4.56	
	9-Oct-09	NS		3.530		NS		NS		3.080		NS		1.070		23.600		80.100		5.120		NS	
	15-Jan-10	12.800		NS		4.170		4.330		NS		5.810		NS		NS		3.120		NS		3.870	
	21-Apr-10	NS		0.930		NS		NS		2.870		NS		3.750		4.200		4.810		4.850		NS	
	18-Jul-10	22.200		NS		17.900		5.980		NS		5.540		NS		NS		2.840		NS		5.080	
																		5.770		5.850		NS	
Dibromochloromethane	8-Feb-08	0.100	U	NS		NS		NS		0.100	U	NS		NS		NS		0.100	U	0.100	U	NS	
	27-Mar-08	NS		0.086	U	NS		NS		NS		0.086	U	NS		NS		NS		0.086	U	0.086	U
	25-Apr-08	NS		NS		0.086	U	NS		NS		NS		0.086	U	NS		0.086	U	NS		0.086	U
	29-May-08	NS		NS		NS		0.100	U	NS		NS		NS		0.100	U	0.100	U	0.100	U	NS	
	27-Jun-08	0.150	U	NS		NS		NS		0.086	U	NS		NS		NS		NS		0.086	U	0.086	U
	31-Jul-08	NS		0.086	U	NS		NS		NS		NS		NS		NS		0.086	U	NS		0.086	U
	28-Aug-08	NS		NS		0.086	U	NS		NS		NS		NS		0.086	U	0.086	U	NS		NS	
	30-Sep-08	NS		NS		NS		4.200	U	NS		NS		NS		NS		4.200	U	NS		4.200	U
	27-Oct-08	4.200	U	NS		NS		NS		4.200	U	NS		NS		NS		NS		4.200	U	4.200	U
	25-Nov-08	NS		4.200	U	NS		NS		NS		4.200	U	NS		NS		4.200	U	4.200	U	NS	
	18-Dec-08	NS		NS		4.200	U	NS		NS		NS		4.200	U	NS		NS		4.200	U	4.200	U
	21-Jan-09	NS		NS		NS		4.200	U	NS		NS		NS		4.200	U	4.200	U	NS		4.200	U
	25-Feb-09	4.200	U	NS		NS		NS		4.200	U	NS		NS		NS		4.200	U	4.200	U	NS	
	26-Mar-09	NS		0.480	U	NS		NS		NS		0.940		NS		NS		NS		0.086	U	0.086	U
	29-Apr-09	NS		NS		0.086	U	NS		NS		NS		0.086	U	NS		0.086	U	NS		0.086	U
	22-Jul-09	0.480	U	NS		19.400	U	0.980	U	NS		0.480	U	NS		NS		0.086	U	0.086	U	NS	
	9-Oct-09	NS		0.086	U	NS		NS		NS	U	NS		0.086	U	20.000	U	0.086	U	NS		0.086	U
	15-Jan-10	0.086	U	NS		0.086	U	0.086	U	NS		0.086	U	NS		NS		0.086	U	0.086	U	NS	
	21-Apr-10	NS		0.086	U	NS		NS		0.480	U	NS		0.480	U	0.480	U	0.086	U	NS		0.086	U
	18-Jul-10	0.170	U	NS		0.170	U	0.170	U	NS		1.280	U	NS		NS		0.170	U	0.170	U	NS	

Summary of Sub-Slab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2010

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	MP-1	Qual	MP-2	Qual	MP-3	Qual
1,2-Dibromoethane	8-Feb-08	0.150	U	NS		NS		NS		0.150	U	NS		NS		NS		0.150	U	0.150	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		0.150	U	NS		NS		NS		NS		0.150	U	0.150	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		NS		0.154	U	NS		0.154	U	NS	
	30-Sep-08	NS		NS		NS		0.150	U	NS		NS		NS		NS		0.150	U	NS		0.150	U
	27-Oct-08	0.150	U	NS		NS		NS		0.150	U	NS		NS		NS		NS		0.150	U	NS	
	25-Nov-08	NS		0.150	U	NS		NS		NS		0.150	U	NS		NS		NS		0.150	U	0.150	U
	18-Dec-08	NS		NS		0.150	U	NS		NS		NS		0.150	U	NS		NS		0.150	U	0.150	U
	21-Jan-09	NS		NS		NS		0.150	U	NS		NS		NS		0.150	U	0.150	U	NS		0.150	U
	25-Feb-09	0.150	U	NS		NS		NS		NS		0.150	U	NS		NS		NS		0.150	U	NS	
	26-Mar-09	NS		0.788	U	NS		NS		NS		1.540	U	NS		0.154	U	NS		0.154	U	0.154	U
	29-Apr-09	NS		NS		0.154	U	NS		NS		NS		0.788	U	NS		0.154	U	NS		0.154	U
	22-Jul-09	0.788	U	NS		31.500	U	1.540	U	NS		0.154	U	NS		0.154	U	12.000	U	0.154	U	NS	
	9-Oct-09	NS		0.154	U	NS		NS		0.154	U	NS		0.154	U	NS		NS		0.154	U	0.154	U
	15-Jan-10	0.154	U	NS		0.154	U	0.154	U	NS		0.154	U	NS		0.788	U	0.788	U	0.154	U	NS	
	21-Apr-10	NS		0.154	U	NS		NS		0.788	U	NS		1.160	U	NS		NS		0.154	U	0.154	U
	16-Jul-10	0.154	U	NS		0.154	U	0.154	U	NS												NS	
Tetrachloroethene	8-Feb-08	0.350		NS		NS		NS		0.140	U	NS		NS		NS		0.530		5.050		NS	
	27-Mar-08	NS		0.888		NS		NS		NS		0.679		NS		NS		NS		6.990		5.250	
	25-Apr-08	NS		NS		0.322		NS		NS		NS		0.980		NS		0.830		NS		0.667	
	29-May-08	NS		NS		NS		1.380		NS		NS		NS		NS		0.240		3.210		NS	
	27-Jun-08	1.320		NS		NS		NS		29.600		NS		NS		NS		NS		5.080		1.800	
	31-Jul-08	NS		0.887		NS		NS		NS		NS		NS		NS		0.818		NS		0.572	
	28-Aug-08	NS		NS		1.550		NS		NS		NS		NS		1.520		1.370		6.260		NS	
	30-Sep-08	NS		NS		NS		3.400		NS		NS		NS		NS	U	NS		6.100		3.400	U
	27-Oct-08	4.200	U	NS		NS		NS		10.000		NS		NS		NS		NS		4.200	U	NS	
	25-Nov-08	NS		21.300		NS		NS		NS		4.800		NS		NS		NS		3.400	U	4.200	U
	18-Dec-08	NS		NS		3.400	U	NS		NS		NS		NS		3.400	U	NS		NS		3.400	U
	21-Jan-09	NS		NS		NS		3.400	U	NS		NS		NS		NS		3.400	U	3.400	U	NS	
	25-Feb-09	3.400	U	NS		NS		NS		8.500		NS		NS		NS		NS		3.400	U	3.700	
	26-Mar-09	NS		1.260		NS		NS		NS		1.380	U	NS		NS		NS		NS		7.110	
	29-Apr-09	NS		NS		0.271		NS		NS		NS		0.305		NS		0.237		NS		2.080	
	22-Jul-09	1.830		NS		1.630		2.100		NS		3.080		NS		0.878	U	28.300	U	1.170		0.891	
	9-Oct-09	NS		0.556		NS		NS		2.070		NS		0.889		NS		0.447		0.901		NS	
	15-Jan-10	1.310		NS		0.844		1.350		NS		31.400		NS		35.500		38.600		NS		38.100	
	21-Apr-10	NS		7.200		NS		NS		31.400		NS		10.000		NS		62.100		18.200		NS	
	16-Jul-10	12.400		NS		12.700		10.900		NS								15.400					
1,1,1,2-Tetrachloroethane	8-Feb-08	0.140	U	NS		NS		NS		0.140	U	NS		NS		NS		0.140	U	0.140	U	NS	
	27-Mar-08	NS		0.137	U	NS		NS		NS		0.157	U	NS		NS		NS		0.157	U	0.157	U
	25-Apr-08	NS		NS		0.137	U	NS		NS		NS		0.137	U	NS		0.137	U	NS		0.157	U
	29-May-08	NS		NS		NS		0.140	U	NS		NS		NS		NS		0.140	U	0.140	U	NS	
	27-Jun-08	0.214	U	NS		NS		NS		0.137	U	NS		NS		NS		NS		0.137	U	0.137	U
	31-Jul-08	NS		0.137	U	NS		NS		NS		NS		NS		NS		0.137	U	NS		0.137	U
	28-Aug-08	NS		NS		0.137	U	NS		NS		NS		NS		0.137	U	NS		0.137	U	NS	
	30-Sep-08	NS		NS		NS		0.140	U	NS		NS		NS		NS		0.140	U	NS		0.140	U
	27-Oct-08	0.140	U	NS		NS		NS		0.140	U	NS		NS		NS		NS		0.140	U	NS	
	25-Nov-08	NS		0.140	U	NS		NS		NS		0.140	U	NS		NS		NS		0.140	U	0.140	U
	18-Dec-08	NS		NS		0.140	U	NS		NS		NS		NS		NS		0.140	U	0.140	U	NS	
	21-Jan-09	NS		NS		NS		0.190		NS		NS		NS		NS		NS		0.140	U	0.140	U
	25-Feb-09	0.140	U	NS		NS		NS		0.148	U	NS		1.370	U	NS		NS		NS		0.157	U
	26-Mar-09	NS		0.688	U	NS		NS		NS		NS		NS		0.137	U	NS		0.137	U	NS	
	29-Apr-09	NS		NS		0.137	U	NS		NS		NS		0.686	U	NS		NS		0.137	U	0.137	U
	22-Jul-09	0.686	U	NS		28.000	U	1.370	U	NS		0.157	U	NS		0.137	U	28.800	U	0.137	U	NS	
	9-Oct-09	NS		0.137	U	NS		NS		0.157	U	NS		0.137	U	NS		NS		0.137	U	0.137	U
	15-Jan-10	0.709	U	NS		0.137	U	1.370	U	NS		0.137	U	NS		0.686	U	0.686	U	0.137	U	NS	
	21-Apr-10	NS		0.137	U	NS		NS		0.686	U	NS		0.686	U	NS		NS		0.137	U	0.137	U
	16-Jul-10	0.137	U	NS		0.137	U	0.137	U	NS												NS	
Chlorobenzene	8-Feb-08	0.080	U	NS		NS		NS		0.080	U	NS		NS		NS		0.080	U	0.080	U	NS	
	27-Mar-08	NS		0.052	U	NS		NS		NS		0.082	U	NS		NS		NS		0.082	U	0.082	U
	25-Apr-08	NS		NS		0.082	U	NS		NS		NS		0.082	U	NS		0.082	U	NS		0.082	U
	29-May-08	NS		NS		NS		0.080	U	NS		NS		NS		NS		0.080	U	0.082	U	NS	
	27-Jun-08	0.207		NS		NS		NS		0.082	U	NS		NS		NS		NS		0.082	U	0.082	U
	31-Jul-08	NS		0.082	U	NS		NS		NS		NS		NS		NS		0.082	U	NS		0.082	U
	28-Aug-08	NS		NS		0.082	U	NS		NS		NS		NS		0.082	U	0.082	U	0.082	U	NS	
	30-Sep-08	NS		NS		NS		2.300	U	NS		NS		NS		NS		2.300	U	NS		2.300	U
	27-Oct-08	2.300	U	NS		NS		NS		2.300	U	NS		NS		NS		NS		2.300	U	NS	
	25-Nov-08	NS		2.300	U	NS		NS		NS		2.300	U	NS		NS		NS		2.300	U	2.300	U
	18-Dec-08	NS		NS		2.300	U	NS		NS		NS		NS		2.300	U	2.300	U	NS		2.300	U
	21-Jan-09	NS		NS		NS		2.300	U	NS		NS		NS		NS		2.300	U	2.300	U	NS	
	25-Feb-09	2.300	U	NS		NS		NS		2.300	U	NS		NS		NS		NS		0.082	U	0.082	U
	26-Mar-09	NS		0.480	U	NS		NS		NS		0.920	U	NS		NS		NS		0.082	U	0.082	U
	29-Apr-09	NS		NS		0.082	U	NS		NS		NS		0.082	U	NS		0.082	U	NS		0.082	U
	22-Jul-09	0.480	U	NS		18.800	U	0.820	U	NS		0.480	U	NS		0.082	U	NS		0.082	U	NS	
	9-Oct-09	NS		0.082	U	NS		NS		0.082	U	NS		0.082	U	NS		19.200	U	0.082	U	0.082	U
	15-Jan-10	0.082	U	NS		0.082	U	0.082	U	NS		0.082	U	NS		0.480	U	NS		0.082	U	NS	
	21-Apr-10	NS		0.082	U	NS		NS		0.480	U	NS		0.480	U	NS		0.480	U	0.082	U	0.082	U
	16-Jul-10	0.082	U	NS		0.082	U	0.212		NS												NS	

Summary of Sub-Slab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2010

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	MP-1	Qual	MP-2	Qual	MP-3	Qual
Ethylbenzene	6-Feb-08	0.210		NS		NS		NS		0.230		NS		NS		NS		0.330		4.660		NS	
	27-Mar-08	NS		0.295		NS		NS		NS		0.957		NS		NS		NS		0.845		0.372	
	25-Apr-08	NS		NS		0.291		NS		NS		NS		0.320		NS				NS		0.585	
	29-May-08	NS		NS		NS		1.480		NS		NS		NS		2.200		2.820		1.010		NS	
	27-Jun-08	4.340		NS		NS		NS		0.472		NS		NS		NS		NS		0.808		0.699	
	31-Jul-08	NS		0.820		NS		NS		NS		NS		NS		NS		0.758		NS		0.577	
	28-Aug-08	NS		NS		0.830		NS		NS		NS		NS		0.482		0.791		0.668		NS	
	30-Sep-08	NS		NS		NS		2.200	U	NS		NS		NS		2.200	U	NS		2.200	U	2.200	U
	27-Oct-08	18.400		NS		NS		NS		2.200	U	NS		NS		NS		2.200	U	NS		2.200	U
	25-Nov-08	NS		2.200	U	NS		NS		NS		2.200	U	NS		NS		2.300		2.200	U	NS	
	18-Dec-08	NS		NS		2.200	U	NS		NS		NS		2.200	U	NS		NS		2.200	U	2.200	U
	21-Jan-09	NS		NS		NS		2.200	U	NS		NS		NS		NS		2.200	U	NS		2.200	U
	25-Feb-09	10.800		NS		NS		NS		2.200	U	NS		NS		NS		2.200	U	2.200	U	NS	
	26-Mar-09	NS		0.516		NS		NS		NS		0.868	U	NS		NS		NS		0.845		1.180	
	29-Apr-09	NS		NS		0.190		NS		NS		NS		0.181		NS		0.304		NS		0.325	
	22-Jul-09	11.700		NS		11.700		0.868	U	NS		1.950		NS		NS		38.200		1.040		NS	
	9-Oct-09	NS		0.564		NS		NS		0.580		NS		0.291		18.100	U	0.542		NS		0.542	
	15-Jan-10	6.950		NS		0.568		0.542		NS		0.659		NS		NS		0.792		0.720		NS	
	21-Apr-10	NS		0.104		NS		NS		1.540		NS		1.800		1.780		2.120		NS		1.580	
	16-Jul-10	8.230		NS		2.400		1.860		NS		1.440		NS		NS		1.510		1.420		NS	
p-m-Xylene	6-Feb-08	0.550		NS		NS		NS		0.830		NS		NS		NS		1.040		18.300		NS	
	27-Mar-08	NS		0.880		NS		NS		NS		0.359		NS		NS		NS		2.170		1.330	
	25-Apr-08	NS		NS		0.815		NS		NS		NS		0.870		NS		2.540		NS		1.810	
	29-May-08	NS		NS		NS		5.000		NS		NS		NS		NS		7.580		10.100		3.340	
	27-Jun-08	12.600		NS		NS		NS		1.900		NS		NS		NS		NS		NS		1.810	
	31-Jul-08	NS		2.400		NS		NS		NS		NS		NS		NS		2.080		NS		1.550	
	28-Aug-08	NS		NS		2.330		NS		NS		NS		NS		1.440		NS		2.110		1.640	
	30-Sep-08	NS		NS		NS		4.300	U	NS		NS		NS		NS		4.300	U	NS		4.300	U
	27-Oct-08	41.800		NS		NS		NS		4.300	U	NS		NS		NS		NS		4.300	U	NS		4.300	U
	25-Nov-08	NS		4.700		NS		NS		NS		4.300	U	NS		NS		8.530		9.800		NS	
	18-Dec-08	NS		NS		4.300	U	NS		NS		NS		4.300	U	NS		NS		4.300	U	4.300	U
	21-Jan-09	NS		NS		NS		4.300	U	NS		NS		NS		NS		4.300	U	NS		4.300	U
	25-Feb-09	37.600		NS		NS		NS		4.300	U	NS		NS		NS		NS		8.000		9.300	
	26-Mar-09	NS		1.380		NS		NS		NS		1.740	U	NS		NS		NS		2.580		3.580	
	29-Apr-09	NS		NS		0.466		NS		NS		NS		0.518		NS		0.833		NS		1.060	
	22-Jul-09	25.600		NS		25.600		1.740	U	NS		3.880		NS		NS		165.000		3.520		NS	
	9-Oct-09	NS		1.829		NS		NS		1.830		NS		0.815		38.200	U	1.740		NS		1.700	
	15-Jan-10	18.400		NS		1.520		1.480		NS		1.780		NS		NS		2.350		2.850		NS	
	21-Apr-10	NS		0.703		NS		NS		3.260		NS		4.580		4.340		6.220		NS		4.770	
	16-Jul-10	21.800		NS		7.010		6.580		NS		4.820		NS		NS		4.960		4.810		NS	
Bromoform	6-Feb-08	0.210	U	NS		NS		NS		0.210	U	NS		NS		NS		0.210	U	0.210	U	NS	
	27-Mar-08	NS		0.208	U	NS		NS		NS		0.208	U	NS		NS		NS		0.208	U	0.208	U
	25-Apr-08	NS		NS		0.208	U	NS		NS		NS		0.208	U	NS		0.208	U	NS		0.208	U
	29-May-08	NS		NS		NS		0.210	U	NS		NS		NS		NS		0.210	U	0.210	U	NS	
	27-Jun-08	0.322	U	NS		NS		NS		0.208	U	NS		NS		NS		NS		0.208	U	0.208	U
	31-Jul-08	NS		0.208	U	NS		NS		NS		NS		NS		NS		0.208	U	NS		0.208	U
	28-Aug-08	NS		NS		0.208	U	NS		NS		NS		NS		0.208	U	NS		0.208	U	NS	
	30-Sep-08	NS		NS		NS		0.410	U	NS		NS		NS		NS		0.410	U	NS		0.410	U
	27-Oct-08	0.410	U	NS		NS		NS		0.410	U	NS		NS		NS		NS		0.410	U	NS		0.410	U
	25-Nov-08	NS		0.140	U	NS		NS		NS		0.410	U	NS		NS		NS		NS		0.410	U
	18-Dec-08	NS		NS		0.410	U	NS		NS		NS		0.410	U	NS		NS		0.410	U	0.410	U
	21-Jan-09	NS		NS		NS		0.410	U	NS		NS		NS		NS		0.410	U	0.410	U	NS	
	25-Feb-09	0.410	U	NS		NS		NS		0.140	U	NS		NS		NS		NS		0.410	U	0.410	U
	26-Mar-09	NS		1.030	U	NS		NS		NS		2.080	U	NS		NS		NS		0.208	U	0.208	U
	29-Apr-09	NS		NS		0.208	U	NS		NS		NS		0.208	U	NS		0.208	U	NS		0.208	U
	22-Jul-09	1.030	U	NS		42.000	U	2.080	U	NS		1.030	U	NS		NS		0.208	U	0.208	U	NS	
	9-Oct-09	NS		0.208	U	NS		NS		0.208	U	NS		0.208	U	NS		43.100	U	0.208	U	NS	
	15-Jan-10	0.208	U	NS		0.208	U	0.208	U	NS		0.208		NS		NS		NS		0.208	U	0.208	U
	21-Apr-10	NS		0.208	U	NS		NS		1.030	U	NS		1.030	U	1.030	U	0.208	U	NS		0.208	U
	16-Jul-10	0.208	U	NS		0.208	U	0.208	U	NS		1.560	U	NS		NS		0.208	U	0.208	U	NS	
Styrene	6-Feb-08	0.090	U	NS		NS		NS		0.090	U	NS		NS		NS		0.300		3.150		NS	
	27-Mar-08	NS		0.100		NS		NS		NS		0.177		NS		NS		NS		0.208		0.404	
	25-Apr-08	NS		NS		0.244		NS		NS		NS		1.070		NS		0.569		NS		0.351	
	29-May-08	NS		NS		NS		0.170		NS		NS		NS		0.500		0.360		0.270		NS	
	27-Jun-08	0.732		NS		NS		NS		0.354		NS		NS		NS		NS		0.589		0.580	
	31-Jul-08	NS		0.278		NS		NS		NS		NS		NS		NS		0.255		NS		0.170	
	28-Aug-08	NS		NS		1.220		NS		NS		NS		0.754		NS		1.020		1.010		NS	
	30-Sep-08	NS		NS		NS		2.100	U	NS		NS		NS		2.100	U	NS		2.100	U	2.100	U
	27-Oct-08	2.100	U	NS		NS		NS		2.100	U	NS		NS		NS		2.100	U	NS		2.100	U
	25-Nov-08	NS		2.100	U	NS		NS		NS		2.100	U	NS		NS		2.100	U	2.100	U	NS	
	18-Dec-08	NS		NS		2.100	U	NS		NS		NS		2.100	U	NS		NS		2.100	U	2.100	U
	21-Jan-09	NS		NS		NS		2.100	U	NS		NS		NS		2.100	U	2.100	U	NS		2.100	U
	25-Feb-09	2.100	U	NS		NS		NS		2.100	U	NS		NS		NS		2.100	U	2.100	U	NS	
	26-Mar-09	NS		0.851	U	NS		NS		NS		1.700	U	NS		NS		NS		0.292		0.361	
	29-Apr-09	NS		NS		0.174		NS		NS		NS		0.085	U	NS		0.089		NS		0.243	
	22-Jul-09	0.426	U	NS		0.426	U	0.851	U	NS		0.426	U	NS		NS		0.800		0.149		NS	
	9-Oct-09	NS		0.085	U	NS		NS		0.088		NS		0.085	U	17.800	U	0.153		NS		0.204	
	15-Jan-10	0.108		NS		0.118		0.089		NS		0.088		NS		NS		0.129		0.227		NS	
	21-Apr-10	NS		0.085	U	NS		NS		0.426	U	NS		0.426	U	0.426	U	0.481		NS		0.579	
	16-Jul-10	0.570		NS		0.911		0.880		NS		0.843	U	NS		NS		0.540		0.884		NS	

Summary of Sub-Slab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2010

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
1,1,2,2-Tetrachloroethane	8-Feb-08	0.140	U	NS		NS		NS		0.140	U	NS		NS		NS		0.140	U	0.140	U	NS	
	27-Mar-08	NS		0.137	U	NS		NS		NS		0.137	U	NS		NS		0.137	U	NS		0.137	U
	25-Apr-08	NS		NS		0.137	U	NS		NS		NS		0.137	U	NS		0.140	U	0.140	U	NS	
	29-May-08	NS		NS		NS		0.140	U	NS		NS		NS		NS		NS		0.137	U	0.137	U
	27-Jun-08	0.214	U	NS		NS		NS		0.137	U	NS		NS		NS		0.137	U	NS		0.137	U
	31-Jul-08	NS		0.137	U	NS		NS		NS		NS		NS		NS		0.137	U	0.137	U	NS	
	28-Aug-08	NS		NS		0.137	U	NS		NS		NS		NS		0.137	U	NS		0.140	U	0.140	U
	30-Sep-08	NS		NS		NS		0.140	U	NS		NS		NS		NS		0.140	U	NS		0.140	U
	27-Oct-08	0.140	U	NS		NS		NS		0.140	U	NS		NS		NS		0.140	U	NS		0.140	U
	25-Nov-08	NS		0.140	U	NS		NS		NS		0.140	U	NS		NS		0.140	U	0.140	U	NS	
	16-Dec-08	NS		NS		0.140	U	NS		NS		NS		0.140	U	NS		0.140	U	NS		0.140	U
	21-Jan-09	NS		NS		NS		0.140	U	NS		NS		NS		NS		0.140	U	0.140	U	NS	
	25-Feb-09	0.140	U	NS		NS		NS		0.140	U	NS		NS		NS		NS		0.137	U	0.137	U
	26-Mar-09	NS		0.688	U	NS		NS		NS		1.370	U	0.137	U	NS		0.137	U	NS		0.137	U
	29-Apr-09	NS		NS		0.137	U	NS		NS		NS		NS		NS		0.137	U	0.137	U	NS	
	22-Jul-09	0.688	U	NS		28.000	U	0.137	U	NS		0.688	U	NS		26.400	U	0.137	U	NS		0.137	U
	9-Oct-09	NS		0.137	U	NS		NS		0.137	U	NS		0.137	U	NS		0.137	U	0.137	U	NS	
	15-Jan-10	0.108	U	NS		0.137	U	0.137	U	NS		0.108	U	NS		NS		0.137	U	NS		0.137	U
	21-Apr-10	NS		0.137	U	NS		NS		NS		NS		0.688	U	0.688	U	0.137	U	0.137	U	NS	
	16-Jul-10	0.137	U	NS		0.137	U	0.137	U	NS		1.040	U	NS		NS		0.137	U	0.137	U	NS	
o-Xylene	8-Feb-08	0.200		NS		NS		NS		0.230		NS		NS		NS		0.480		7.730		NS	
	27-Mar-08	NS		0.279		NS		NS		NS		0.742		NS		NS		NS		0.844		0.478	
	25-Apr-08	NS		NS		0.370		NS		NS		NS		0.406		NS		0.736		NS		0.820	
	29-May-08	NS		NS		NS		1.480		NS		NS		NS		2.280		2.640		1.020		NS	
	27-Jun-08	4.120		NS		NS		NS		0.560		NS		NS		NS		NS		0.872		0.794	
	31-Jul-08	NS		0.835		NS		NS		NS		NS		NS		NS		0.748		NS		0.964	
	28-Aug-08	NS		NS		0.804		NS		NS		NS		NS		NS		0.797		0.725		NS	
	30-Sep-08	NS		NS		NS		2.200	U	NS		NS		NS		NS		2.200	U	2.200	U	2.200	U
	27-Oct-08	0.800		NS		NS		NS		2.200	U	NS		NS		NS		2.200	U	NS		4.000	
	25-Nov-08	NS		2.200	U	NS		NS		NS		2.200	U	NS		NS		1.100	U	2.200	U	NS	
	16-Dec-08	NS		NS		2.200	U	NS		NS		NS		2.200	U	NS		2.200	U	2.200	U	2.200	U
	21-Jan-09	NS		NS		NS		2.200	U	NS		NS		NS		NS		2.200	U	NS		2.200	U
	25-Feb-09	0.800		NS		NS		NS		2.200	U	NS		NS		NS		NS		1.200		NS	
	26-Mar-09	NS		0.486		NS		NS		NS		0.868	U	NS		NS		NS		0.922		1.280	
	29-Apr-09	NS		NS		0.174		NS		NS		NS		0.208		NS		0.788		NS		0.489	
	22-Jul-09	5.340		NS		5.340		0.688	U	NS		1.380		NS		18.100	U	72.700		1.270		NS	
	9-Oct-09	NS		0.542		NS		NS		0.568		NS		0.343		NS		0.629		NS		0.618	
	15-Jan-10	4.510		NS		0.490		0.490		NS		0.560		NS		1.410		0.833		0.648		NS	
	21-Apr-10	NS		0.256		NS		NS		1.170		NS		1.560		NS		1.240		NS		1.140	
	16-Jul-10	5.070		NS		2.840		2.630		NS		2.100		NS		NS		1.880		2.050		NS	
Isopropylbenzene	8-Feb-08	2.480	U	NS		NS		NS		2.480	U	NS		NS		NS		2.480	U	2.480	U	NS	
	27-Mar-08	NS		2.480	U	NS		NS		NS		NS		NS		NS		NS		2.480	U	2.480	U
	25-Apr-08	NS		NS		2.480	U	NS		NS		NS		2.480	U	NS		2.480	U	NS		2.480	U
	29-May-08	NS		NS		NS		2.480	U	NS		NS		NS		2.480	U	NS		2.480	U	NS	
	27-Jun-08	3.830	U	NS		NS		NS		2.480	U	NS		NS		NS		NS		2.480	U	2.480	U
	31-Jul-08	NS		2.480	U	NS		NS		NS		NS		NS		NS		2.480	U	NS		2.480	U
	28-Aug-08	NS		NS		2.480	U	NS		NS		NS		2.480	U	NS		2.480	U	2.480	U	NS	
	30-Sep-08	NS		NS		NS		4.900	U	NS		NS		NS		4.900	U	NS		4.900	U	4.900	U
	27-Oct-08	5.200		NS		NS		NS		4.900	U	NS		NS		NS		4.900	U	NS		4.900	U
	25-Nov-08	NS		4.900	U	NS		NS		NS		4.900	U	NS		NS		5.900	U	4.900	U	NS	
	16-Dec-08	NS		NS		4.900	U	NS		4.900	U	NS		4.900	U	NS		NS		4.900	U	4.900	U
	21-Jan-09	NS		NS		NS		4.900	U	NS		NS		NS		4.900	U	4.900	U	NS		4.900	U
	25-Feb-09	4.900	U	NS		NS		NS		4.900	U	NS		NS		NS		4.900	U	4.900	U	NS	
	26-Mar-09	NS		12.300	U	NS		NS		NS		24.600	U	NS		NS		NS		2.490	U	2.490	U
	29-Apr-09	NS		NS		2.490	U	NS		NS		NS		2.480	U	NS		2.480	U	NS		2.480	U
	22-Jul-09	12.500	U	NS		12.300	U	24.600	U	NS		12.300	U	NS		NS		3.790		2.480	U	NS	
	9-Oct-09	NS		2.740	U	NS		NS		2.490	U	NS		2.480	U	513.000	U	2.480	U	NS		2.490	U
	15-Jan-10	2.480	U	NS		2.480	U	2.480	U	NS		2.480	U	NS		NS		2.480	U	2.480	U	NS	
	21-Apr-10	NS		2.480	U	NS		NS		12.300	U	NS		12.300	U	12.300	U	2.480	U	NS		2.480	U
	16-Jul-10	2.480	U	NS		2.480		2.480	U	NS		18.500	U	NS		NS		2.480	U	2.480	U	NS	
1,3,5-Trimethylbenzene	8-Feb-08	0.100	U	NS		NS		NS		0.100	U	NS		NS		NS		0.470		0.980		NS	
	27-Mar-08	NS		0.140		NS		NS		NS		0.086	U	NS		NS		NS		0.348		0.379	
	25-Apr-08	NS		NS		1.800		NS		NS		NS		0.228		NS		0.192		NS		0.134	
	29-May-08	NS		NS		NS		0.180		NS		NS		NS		0.320		0.430		0.150		NS	
	27-Jun-08	5.180		NS		NS		NS		0.463		NS		NS		NS		NS		0.238		0.250	
	31-Jul-08	NS		0.713		NS		NS		NS		NS		NS		NS		0.278		NS		0.224	
	28-Aug-08	NS		NS		0.487		NS		NS		NS		NS		NS		0.246		0.233		NS	
	30-Sep-08	NS		NS		NS		2.500	U	NS		NS		NS		0.215		NS		2.500	U	2.500	U
	27-Oct-08	7.800		NS		NS		NS		2.500	U	NS		NS		NS		2.500	U	NS		2.500	U
	25-Nov-08	NS		2.500	U	NS		NS		NS		2.500	U	NS		NS		NS		2.500	U	NS	
	16-Dec-08	NS		NS		2.500	U	NS		NS		NS		2.500	U	NS		NS		NS		2.500	U
	21-Jan-09	NS		NS		NS		2.500	U	NS		NS		NS		2.500	U	2.500	U	2.500	U	2.500	U
	25-Feb-09	9.100		NS		NS		NS		2.500	U	NS		NS		NS		2.500	U	NS		NS	
	26-Mar-09	NS		0.491	U	NS		NS		NS		0.982	U	NS		NS		NS		0.211		0.426	
	29-Apr-09	NS		NS		0.147		NS		NS		NS		0.491	U	NS		NS		22.700		0.241	
	22-Jul-09	3.000		NS		20.000	U	0.982	U	NS		0.241	U	NS		0.126		NS		0.275		NS	
	9-Oct-09	NS		0.216		NS		NS		0.241	U	NS		0.108		NS		20.300	U	NS		0.229	
	15-Jan-10	2.150		NS		0.118		0.098	U	NS		0.108		NS		0.491	U	0.177	U	0.334		NS	
	21-Apr-10	NS		0.098	U	NS		NS		0.491	U	NS		0.491	U	NS		1.080		NS		0.208	
	16-Jul-10	2.780		NS		1.880		1.810		NS		1.670		NS		NS				1.250		NS	

Summary of Sub-Slab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2010

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	MP-9	Qual	MP-2	Qual	MP-3	Qual
1,2,4-Trimethylbenzene	8-Feb-08	0.210		NS		NS		NS		0.230		NS		NS		NS		0.690		1.910		NS	
	27-Mar-08	NS		0.304		NS		NS		NS		0.152		NS		NS		NS		0.958		0.684	
	25-Apr-08	NS		NS		1.720		NS		NS		NS		0.644		NS		0.517		NS		0.336	
	29-May-08	NS		NS		NS		0.800		NS		NS		NS		1.000		1.260		0.480		NS	
	27-Jun-08	1.480		NS		NS		NS		1.150		NS		NS		NS		NS		0.636		0.736	
	31-Jul-08	NS		1.880		NS		NS		NS		NS		NS		NS		0.885		NS		0.685	
	26-Aug-08	NS		NS		0.838		NS		NS		NS		NS		NS		0.859		0.853		NS	
	30-Sep-08	NS		NS		NS		2.500	U	NS		NS		NS		NS	U	NS				2.500	U
	27-Oct-08	11.400		NS		NS		NS		2.500	U	NS		NS		NS		2.500	U	NS		2.900	
	25-Nov-08	NS		2.500	U	NS		NS		NS		2.500	U	NS		NS		6.400		5.200		NS	
	18-Dec-08	NS		NS		2.500	U	NS		NS		NS		2.500	U	NS		NS		2.500	U	2.500	U
	21-Jan-09	NS		NS		NS		2.500	U	NS		NS		NS		2.500	U	2.500	U	NS		2.500	U
	25-Feb-09	17.500		NS		NS		NS		4.000		NS		NS		NS		6.200		2.900		NS	
	26-Mar-09	NS		0.491	U	NS		NS		NS		0.982	U	NS		NS		NS		1.090		1.550	
	29-Apr-09	NS		NS		0.266		NS		NS		NS		0.978		NS		0.707		NS		0.801	
	22-Jul-09	3.480		NS		20.000	U	0.982	U	NS		0.737		NS		NS		56.400		0.860		NS	
	8-Oct-09	NS		0.707		NS		NS		0.761		NS		0.648		20.500	U	1.380		NS		0.564	
	15-Jan-10	2.870		NS		0.364		0.290		NS		0.314		NS		NS		1.080		1.170		NS	
	21-Apr-10	NS		0.211		NS		NS		0.933		NS		1.420		1.130		0.853		NS		0.702	
	16-Jul-10	8.300		NS		8.230		9.080		NS		8.270		NS		NS		4.260		5.050		NS	
1,3-Dichlorobenzene	8-Feb-08	0.120	U	NS		NS		NS		0.120	U	NS		NS		NS		0.120	U	0.120	U	NS	
	27-Mar-08	NS		0.120	U	NS		NS		NS		0.120	U	NS		NS		NS		0.120	U	0.120	U
	25-Apr-08	NS		NS		0.120	U	NS		NS		NS		0.120	U	NS		0.120	U	NS		0.120	U
	29-May-08	NS		NS		NS		1.180		NS		NS		NS		NS		1.470		0.820		NS	
	27-Jun-08	0.187	U	NS		NS		NS		0.257		NS		NS		NS		NS		0.120	U	0.120	U
	31-Jul-08	NS		0.822		NS		NS		NS		NS		NS		NS		0.138		NS		0.120	U
	26-Aug-08	NS		NS		0.120	U	NS		NS		NS		0.120	U	NS		0.120	U	0.120	U	NS	
	30-Sep-08	NS		NS		NS		3.000	U	NS		NS		NS		NS	U	NS		3.000	U	3.000	U
	27-Oct-08	3.000	U	NS		NS		NS		3.000	U	NS		NS		NS		3.000	U	NS		NS	
	25-Nov-08	NS		3.000	U	NS		NS		NS		3.000	U	NS		NS		3.000	U	NS		3.000	U
	18-Dec-08	NS		NS		3.000	U	NS		NS		NS		3.000	U	NS		3.000	U	NS		3.000	U
	21-Jan-09	NS		NS		NS		3.000	U	NS		NS		NS		NS	U	3.000	U	NS		3.000	U
	25-Feb-09	3.000	U	NS		NS		NS		3.000	U	NS		NS		NS		NS		0.120	U	0.120	U
	26-Mar-09	NS		0.601	U	NS		NS		NS		4.200	U	NS		NS		0.120	U	NS		0.120	U
	29-Apr-09	NS		NS		0.120	U	NS		NS		NS		0.120	U	NS		0.120	U	0.180		NS	
	22-Jul-09	0.601	U	NS		24.500	U	1.200	U	NS		0.601	U	NS		NS		25.100	U	0.120	U	NS	
	8-Oct-09	NS		0.120	U	NS		NS		0.120	U	NS		0.120	U	NS		0.120	U	NS		0.120	U
	15-Jan-10	0.120		NS		0.120	U	0.120	U	NS		0.120	U	NS		NS		0.120	U	0.120	U	NS	
	21-Apr-10	NS		0.120	U	NS		NS		0.601	U	NS		0.601	U	0.601	U	0.120	U	NS		0.120	U
	16-Jul-10	0.585		NS		0.685		1.890		NS		0.907	U	NS		NS		0.132		0.182		NS	
1,4-Dichlorobenzene	8-Feb-08	1.580		NS		NS		NS		0.260		NS		NS		NS		9.500		7.910		NS	
	27-Mar-08	NS		4.330		NS		NS		NS		8.480		NS		NS		NS		8.280		15.100	
	25-Apr-08	NS		NS		0.347		NS		NS		NS		32.300		NS		17.800		NS		16.300	
	29-May-08	NS		NS		NS		5.800		NS		NS		NS		10.000		9.410		4.180		NS	
	27-Jun-08	47.300		NS		NS		NS		36.100		NS		NS		NS		NS		40.800		57.900	
	31-Jul-08	NS		2.480		NS		NS		NS		NS		NS		NS		1.840		NS		2.040	
	26-Aug-08	NS		NS		234.000		NS		NS		NS		214.000		NS		229.000		208.000		NS	
	30-Sep-08	NS		NS		NS		7.200		NS		NS		NS		NS	U	5.000	U	NS		6.800	
	27-Oct-08	3.000	U	NS		NS		NS		3.000	U	NS		NS		NS		3.000	U	NS		3.000	U
	25-Nov-08	NS		3.000	U	NS		NS		NS		3.000	U	NS		NS		3.000	U	3.000	U	NS	
	18-Dec-08	NS		NS		3.000	U	NS		NS		NS		4.700		NS		NS		10.300		17.100	
	21-Jan-09	NS		NS		NS		3.000	U	NS		NS		NS		NS	U	13.900		NS		27.200	
	25-Feb-09	3.000	U	NS		NS		NS		3.000	U	NS		NS		NS		3.000	U	3.000	U	NS	
	26-Mar-09	NS		5.430		NS		,		NS		4.870		NS		NS		NS		20.800		13.000	
	29-Apr-09	NS		NS		1.200		NS		NS		NS		1.910		NS		4.120		NS		4.250	
	22-Jul-09	0.601	U	NS		24.500	U	1.200	U	NS		0.601	U	NS		NS		0.348		0.813		NS	
	8-Oct-09	NS		3.310		NS		NS		3.440		NS		2.780		25.100	U	6.950		NS		3.820	
	15-Jan-10	0.120		NS		1.080		0.715		NS		0.823		NS		NS		2.000		1.980		NS	
	21-Apr-10	NS		0.120	U	NS		NS		0.601	U	NS		0.601	U	0.601	U	3.270		NS		2.640	
	16-Jul-10	1.780		NS		2.300		2.880		NS		1.980		NS		NS		1.830		5.050		NS	
sec-Butylbenzene	8-Feb-08	2.740	U	NS		NS		NS		2.740	U	NS		NS		NS		2.740	U	2.740	U	NS	
	27-Mar-08	NS		2.740	U	NS		NS		NS		NS		NS		NS		NS		2.740	U	2.740	U
	25-Apr-08	NS		NS		2.740	U	NS		NS		NS		2.740	U	NS		2.740	U	NS		2.740	U
	29-May-08	NS		NS		NS		2.740	U	NS		NS		NS		2.740	U	2.740	U	2.740	U	NS	
	27-Jun-08	4.270	U	NS		NS		NS		2.740	U	NS		NS		NS		NS		2.740	U	2.740	U
	31-Jul-08	NS		2.740	U	NS		NS		NS		NS		NS		NS		2.740	U	NS		2.740	U
	26-Aug-08	NS		NS		2.740	U	NS		NS		NS		2.740	U	NS		2.740	U	2.740	U	NS	
	30-Sep-08	NS		NS		NS		5.500	U	NS		NS		NS		NS	U	5.500	U	NS		5.500	U
	27-Oct-08	5.500	U	NS		NS		NS		5.500	U	NS		NS		NS		NS		5.500	U	5.500	U
	25-Nov-08	NS		5.500	U	NS		NS		NS		5.500	U	NS		NS		NS		5.500	U	NS	
	18-Dec-08	NS		NS		5.500	U	NS		NS		NS		5.500	U	NS		NS		5.500	U	5.500	U
	21-Jan-09	NS		NS		NS		5.500	U	NS		NS		NS		5.500	U	5.500	U	NS		5.500	U
	25-Feb-09	5.500	U	NS		NS		NS		5.500	U	NS		NS		NS		5.500	U	5.500	U	NS	
	26-Mar-09	NS		13.700	U	NS		NS		NS		27.400	U	NS		NS		NS		2.740	U	2.740	U
	29-Apr-09	NS		NS		2.740	U	NS		NS		NS		2.740	U	NS		2.740	U	NS		2.740	U
	22-Jul-09	13.700	U	NS		13.700	U	27.400	U	NS		13.700	U	NS		NS		2.740	U	2.740	U	NS	
	8-Oct-09	NS		2.740	U	NS		NS		2.740	U	NS		2.740	U	573.000	U	2.740	U	NS		2.740	U
	15-Jan-10	2.740	U	NS		2.740	U	2.740	U	NS		2.740	U	NS		NS		2.740	U	2.740	U	NS	
	21-Apr-10	NS		2.740	U	NS		NS		13.700	U	NS		13.700	U	13.700	U	2.740	U	NS		2.740	U
	16-Jul-10	2.740	U	NS		2.74	U	2.740	U	NS		20.700	U	NS		NS		2.740	U	2.740	U	NS	

Summary of Sub-Slab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2010

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	MP-1	Qual	MP-2	Qual	MP-3	Qual
p-Isopropyltoluene	8-Feb-08	2.740	U	NS		NS		NS		2.740	U	NS		NS		NS		2.740	U	2.740	U	NS	
	27-Mar-08	NS		2.740	U	NS		NS		NS		NS		NS		NS		2.740	U	2.740	U	2.740	U
	25-Apr-08	NS		NS		2.740	U	NS		NS		NS		2.740	U	NS		2.740	U	NS		2.740	U
	29-May-08	NS		NS		NS		2.740	U	NS		NS		NS		2.740	U	2.740	U	2.740	U	NS	
	27-Jun-08	4.270	U	NS		NS		NS		2.740	U	NS		NS		NS		NS		2.740	U	2.740	U
	31-Jul-08	NS		2.740	U	NS		NS		NS		NS		NS		NS		2.740	U	NS		2.740	U
	28-Aug-08	NS		NS		2.740	U	NS		NS		NS		2.740	U	NS		2.740	U	2.740	U	NS	
	30-Sep-08	NS		NS		NS		5.500	U	NS		NS		NS		NS		5.500	U	NS		5.500	U
	27-Oct-08	12.900		NS		NS		NS		5.500	U	NS		NS		NS		18.800		NS		5.500	U
	25-Nov-08	NS		5.500	U	NS		NS		NS		NS		NS		NS		5.500	U	5.500	U	NS	
	18-Dec-08	NS		NS		5.500	U	NS		NS		NS		NS		NS		NS		5.500	U	5.500	U
	21-Jan-09	NS		NS		NS		5.500	U	NS		NS		NS		NS		5.500	U	NS		5.500	U
	25-Feb-09	5.500	U	NS		NS		NS		5.500	U	NS		NS		NS		5.500	U	NS		NS	
	26-Mar-08	NS		13.700	U	NS		NS		NS		27.400	U	NS		NS		NS		2.740	U	2.740	U
	29-Apr-08	NS		NS		2.740	U	NS		NS		NS		2.740	U	NS		2.740	U	NS		2.740	U
	22-Jul-09	13.700	U	NS		13.700	U	27.400	U	NS		13.700	U	NS		NS		2.740	U	2.740	U	NS	
	8-Oct-09	NS		2.740	U	NS		NS		2.740	U	NS		2.740	U	673.000	U	2.740	U	NS		2.740	U
	15-Jan-10	2.720	U	NS		2.740	U	2.740	U	NS		2.740	U	NS		NS		2.740	U	2.740	U	NS	
	21-Apr-10	NS		2.740	U	NS		NS		13.700	U	NS		13.700	U	13.700	U	2.740	U	2.740	U	NS	
	16-Jul-10	2.740	U	NS		2.740	U	2.740	U	NS		20.700	U	NS		NS		2.740	U	2.740	U	NS	
1,2-Dichlorobenzene	8-Feb-08	0.120	U	NS		NS		NS		0.120	U	NS		NS		NS		0.120	U	0.560		NS	
	27-Mar-08	NS		0.120	U	NS		NS		NS		0.120	U	NS		NS		NS		0.120	U	0.120	U
	25-Apr-08	NS		NS		0.120	U	NS		NS		NS		0.120	U	NS		0.120	U	NS		0.120	U
	29-May-08	NS		NS		NS		0.120	U	NS		NS		NS		NS		0.120	U	0.120	U	NS	
	27-Jun-08	0.187	U	NS		NS		NS		0.120	U	NS		NS		NS		NS		NS		0.120	U
	31-Jul-08	NS		0.120	U	NS		NS		NS		NS		NS		NS		0.120	U	NS		0.120	U
	28-Aug-08	NS		NS		0.120	U	NS		NS		NS		NS		NS		0.120	U	0.120	U	NS	
	30-Sep-08	NS		NS		NS		3.000	U	NS		NS		NS		NS		3.000	U	NS		3.000	U
	27-Oct-08	3.000	U	NS		NS		NS		3.000	U	NS		NS		NS		3.000	U	NS		3.000	U
	25-Nov-08	NS		3.000	U	NS		NS		NS		3.000	U	NS		NS		3.000	U	3.000	U	NS	
	18-Dec-08	NS		NS		3.000	U	NS		NS		NS		3.000	U	NS		3.000	U	NS		3.000	U
	21-Jan-09	NS		NS		NS		3.000	U	NS		NS		NS		NS		3.000	U	3.000	U	NS	
	25-Feb-09	3.000	U	NS		NS		NS		3.000	U	NS		NS		NS		NS		0.120	U	0.120	U
	26-Mar-08	NS		0.80*	U	NS		NS		NS		1.200	U	NS		NS		0.120	U	NS		0.120	U
	29-Apr-08	NS		NS		0.120	U	NS		NS		NS		0.120	U	NS		0.120	U	0.120	U	NS	
	22-Jul-09	0.601	U	NS		24.000	U	1.200	U	NS		0.601	U	NS		25.100	U	0.120	U	NS		0.120	U
	8-Oct-09	NS		0.120	U	NS		NS		0.120	U	NS		0.120	U	NS		0.120	U	0.120	U	NS	
	15-Jan-10	0.120	U	NS		0.120	U	0.120	U	NS		0.120	U	NS		NS		0.120	U	NS		0.120	U
	21-Apr-10	NS		0.120	U	NS		NS		0.80*	U	NS		0.601	U	0.601	U	0.120	U	NS		NS	
	16-Jul-10	0.120	U	NS		0.120	U	0.120	U	NS		0.907	U	NS		NS		0.120	U	1.200	U	NS	
n-Butylbenzene	8-Feb-08	2.740	U	NS		NS		NS		2.740	U	NS		NS		NS		2.740	U	2.740	U	NS	
	27-Mar-08	NS		2.740	U	NS		NS		NS		NS		NS		NS		NS		2.740	U	2.740	U
	25-Apr-08	NS		NS		2.740	U	NS		NS		NS		2.740	U	NS		2.740	U	NS		2.740	U
	29-May-08	NS		NS		NS		2.740	U	NS		NS		NS		2.740	U	2.740	U	2.740	U	NS	
	27-Jun-08	4.270	U	NS		NS		NS		2.740	U	NS		NS		NS		NS		2.740	U	2.740	U
	31-Jul-08	NS		2.740	U	NS		NS		NS		NS		NS		NS		2.740	U	NS		2.740	U
	28-Aug-08	NS		NS		2.740	U	NS		NS		NS		2.740	U	NS		2.740	U	2.740	U	NS	
	30-Sep-08	NS		NS		NS		5.500	U	NS		NS		NS		NS		5.500	U	NS		5.500	U
	27-Oct-08	22.100		NS		NS		NS		5.500	U	NS		NS		NS		12.800		NS		5.500	U
	25-Nov-08	NS		5.500	U	NS		NS		NS		5.500	U	NS		NS		NS		5.500	U	11.500	
	18-Dec-08	NS		NS		5.500	U	NS		NS		NS		5.500	U	NS		NS		5.500	U	5.500	U
	21-Jan-09	NS		NS		NS		5.500	U	NS		NS		NS		NS		5.500	U	NS		5.500	U
	25-Feb-09	5.500	U	NS		NS		NS		5.500	U	NS		NS		NS		5.500	U	NS		NS	
	26-Mar-08	NS		13.700	U	NS		NS		NS		27.400	U	NS		NS		NS		2.740	U	2.740	U
	29-Apr-08	NS		NS		2.740	U	NS		NS		NS		2.740	U	NS		2.740	U	NS		2.740	U
	22-Jul-09	13.700	U	NS		13.700	U	27.400	U	NS		13.700	U	NS		NS		2.740	U	2.740	U	NS	
	8-Oct-09	NS		1.080	U	NS		NS		2.740	U	NS		2.740	U	673.000	U	2.740	U	NS		2.740	U
	15-Jan-10	2.740	U	NS		2.740	U	2.740	U	NS		2.740	U	NS		NS		2.740	U	2.740	U	NS	
	21-Apr-10	NS		2.740	U	NS		NS		13.700	U	NS		13.700	U	13.700	U	2.740	U	NS		2.740	U
	16-Jul-10	2.740	U	NS		2.740	U	2.740	U	NS		20.700	U	NS		NS		2.740	U	2.740	U	NS	

Notes:
All data presented in micrograms per cubic meter (ug/m3)
U designation indicates that the compound was not detected by the laboratory. Reporting limit shown in the data column
NS: not sampled
* = Site Specific Compound of Concern per ATSDR Health Consultation, December 4, 2008

Date Modified: 9/30/2010

ANALYTICAL REPORT

Lab Number:	L1010920
Client:	EA Engineering, Science and Tech 2350 Post Road Warwick, RI 02886
ATTN:	Frank Postma
Phone:	(401) 736-3440
Project Name:	ALVAREZ HIGH SCHOOL
Project Number:	14687.01
Report Date:	07/26/10

Certifications & Approvals: **MA** (M-MA030), **NY** (11627), **CT (PH-0141), NH** (2206), **NJ** (MA015), **RI (LAO00299), ME (MA0030),** **PA (Registration** #68-02089). LA **NELAC** (03090), **FL** NELAC **(E87814), US** Army Corps **of** Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1010920
Report Date: 07/26/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1010920-01	IMP-2	PROVIDENCE, RI	07/16/10 11:46
L1010920-02	IMP-1	PROVIDENCE, RI	07/16/10 11:08
L1010920-03	MP-1	PROVIDENCE, RI	07/16/10 12:09
L1010920-04	MP-3	PROVIDENCE, RI	07/16/10 12:36
L1010920-05	MP-4	PROVIDENCE, RI	07/16/10 12:29
L1010920-06	MP-6	PROVIDENCE, RI	07/16/10 12:51
L1010920-07	RT-1	PROVIDENCE, RI	07/16/10 13:15
L1010920-08	RT-2	PROVIDENCE, RI	07/16/10 13:51
L1010920-09	RT-3	PROVIDENCE, RI	07/16/10 13:46

Project Name: ALVAREZ HIGH SCHOOL **Lab Number:** L1010920
Project Number: 14687.01 **Report Date:** 07/26/10

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

The canister certification results are provided as an addendum.
The internal standards were within method criteria.

Volatile Organics in Air (SIM)
L1010920-01, -03, -05, and -07 through -09: results for Chloromethane should be considered estimated due to co-elution with a non-target peak.

L1010920-03 through -06 and WG424047-5 Duplicate were re-analyzed on dilution in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

Project Name:	ALVAREZ HIGH SCHOOL	**Lab Number:**	L1010920
Project Number:	14687.01	**Report Date:**	07/26/10

Case Narrative (continued)

L1010920-06 and WG424047-5 have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The WG424047-3 LCS recoveries for Methylene chloride (134%), Methyl tert butyl ether (132%), and 1,2,4-Trimethylbenzene (133%) are outside the 70%-130% acceptance limit. The LCS was within overall method allowances, therefore the analysis proceeded.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kathleen M. O'Brien Kathleen O'Brien

Title: Technical Director/Representative Date: 07/26/10

AIR

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-01
Client ID: IMP-2
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/22/10 23:53
Analyst: RY

Date Collected: 07/16/10 11:46
Date Received: 07/19/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.665	0.050	–	3.29	0.247	–		1
Chloromethane	ND	0.500	–	ND	1.03	–		1
Vinyl chloride	ND	0.020	–	ND	0.051	–		1
Chloroethane	0.033	0.020	–	0.087	0.053	–		1
Acetone	8.88	2.00	–	21.1	4.75	–		1
Trichlorofluoromethane	3.53	0.050	–	19.8	0.281	–		1
Acrylonitrile	ND	0.500	–	ND	1.08	–		1
1,1-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Methylene chloride	7.64	1.00	–	26.5	3.47	–		1
trans-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
1,1-Dichloroethane	ND	0.020	–	ND	0.081	–		1
Methyl tert butyl ether	ND	0.020	–	ND	0.072	–		1
2-Butanone	0.949	0.500	–	2.80	1.47	–		1
cis-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Chloroform	0.071	0.020	–	0.346	0.098	–		1
1,2-Dichloroethane	ND	0.020	–	ND	0.081	–		1
1,1,1-Trichloroethane	0.103	0.020	–	0.562	0.109	–		1
Benzene	ND	0.100	–	ND	0.319	–		1
Carbon tetrachloride	0.081	0.020	–	0.509	0.126	–		1
1,2-Dichloropropane	ND	0.020	–	ND	0.092	–		1
Bromodichloromethane	ND	0.020	–	ND	0.134	–		1
Trichloroethene	5.19	0.020	–	27.8	0.107	–		1
cis-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1
4-Methyl-2-pentanone	ND	0.500	–	ND	2.05	–		1
trans-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-01
Client ID: IMP-2
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 11:46
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	1.55	0.020	--	5.85	0.075	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	2.83	0.020	--	19.2	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	0.327	0.020	--	1.42	0.087	--		1
p/m-Xylene	1.13	0.040	--	4.91	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	0.203	0.020	--	0.864	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.473	0.020	--	2.05	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	0.255	0.020	--	1.25	0.098	--		1
1,2,4-Trimethylbenzene	1.03	0.020	--	5.05	0.098	--		1
1,3-Dichlorobenzene	0.027	0.020	--	0.162	0.120	--		1
1,4-Dichlorobenzene	0.840	0.020	--	5.05	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-01
Client ID: IMP-2
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 11:46
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	103		60-140
bromochloromethane	81		60-140
chlorobenzene-d5	101		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-02
Client ID: IMP-1
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/23/10 00:32
Analyst: RY

Date Collected: 07/16/10 11:08
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.638	0.050	–	3.15	0.247	–		1
Chloromethane	ND	0.500	–	ND	1.03	–		1
Vinyl chloride	ND	0.020	–	ND	0.051	–		1
Chloroethane	0.020	0.020	–	0.053	0.053	–		1
Acetone	3.52	2.00	–	8.34	4.75	–		1
Trichlorofluoromethane	0.398	0.050	–	2.23	0.281	–		1
Acrylonitrile	ND	0.500	–	ND	1.08	–		1
1,1-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Methylene chloride	7.82	1.00	–	27.1	3.47	–		1
trans-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
1,1-Dichloroethane	ND	0.020	–	ND	0.081	–		1
Methyl tert butyl ether	ND	0.020	–	ND	0.072	–		1
2-Butanone	0.523	0.500	–	1.54	1.47	–		1
cis-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Chloroform	0.042	0.020	–	0.205	0.098	–		1
1,2-Dichloroethane	ND	0.020	–	ND	0.081	–		1
1,1,1-Trichloroethane	ND	0.020	–	ND	0.109	–		1
Benzene	ND	0.100	–	ND	0.319	–		1
Carbon tetrachloride	0.089	0.020	–	0.559	0.126	–		1
1,2-Dichloropropane	ND	0.020	–	ND	0.092	–		1
Bromodichloromethane	ND	0.020	–	ND	0.134	–		1
Trichloroethene	ND	0.020	–	ND	0.107	–		1
cis-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1
4-Methyl-2-pentanone	ND	0.500	–	ND	2.05	–		1
trans-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-02
Client ID: IMP-1
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 11:08
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	1.53	0.020	--	5.77	0.075	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	2.27	0.020	--	15.4	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	0.349	0.020	--	1.51	0.087	--		1
p/m-Xylene	1.14	0.040	--	4.95	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	0.080	0.020	--	0.340	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.433	0.020	--	1.88	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethylbenzene	0.219	0.020	--	1.08	0.098	--		1
1,2,4-Trimethylbenzene	0.872	0.020	--	4.28	0.098	--		1
1,3-Dichlorobenzene	0.022	0.020	--	0.132	0.120	--		1
1,4-Dichlorobenzene	0.272	0.020	--	1.63	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-02
Client ID: IMP-1
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 11:08
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	85		60-140
chlorobenzene-d5	95		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-03
Client ID: MP-1
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/23/10 01:10
Analyst: RY

Date Collected: 07/16/10 12:09
Date Received: 07/19/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.681	0.050	–	3.36	0.247	–		1
Chloromethane	0.638	0.500	–	1.32	1.03	–		1
Vinyl chloride	ND	0.020	–	ND	0.051	–		1
Chloroethane	0.038	0.020	–	0.100	0.053	–		1
Acetone	275	2.00	–	654	4.75	–	E	1
Trichlorofluoromethane	0.464	0.050	–	2.60	0.281	–		1
Acrylonitrile	ND	0.500	–	ND	1.08	–		1
1,1-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Methylene chloride	6.91	1.00	–	24.0	3.47	–		1
trans-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
1,1-Dichloroethane	ND	0.020	–	ND	0.081	–		1
Methyl tert butyl ether	ND	0.020	–	ND	0.072	–		1
2-Butanone	1800	0.500	–	5320	1.47	–	E	1
cis-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Chloroform	0.074	0.020	–	0.361	0.098	–		1
1,2-Dichloroethane	0.025	0.020	–	0.101	0.081	–		1
1,1,1-Trichloroethane	ND	0.020	–	ND	0.109	–		1
Benzene	0.104	0.100	–	0.332	0.319	–		1
Carbon tetrachloride	0.073	0.020	–	0.459	0.126	–		1
1,2-Dichloropropane	ND	0.020	–	ND	0.092	–		1
Bromodichloromethane	ND	0.020	–	ND	0.134	–		1
Trichloroethene	0.062	0.020	–	0.333	0.107	–		1
cis-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1
4-Methyl-2-pentanone	ND	0.500	–	ND	2.05	–		1
trans-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-03
Client ID: MP-1
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 12:09
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	5.89	0.020	--	22.2	0.075	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	1.83	0.020	--	12.4	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	1.90	0.020	--	8.23	0.087	--		1
p/m-Xylene	5.04	0.040	--	21.8	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	0.134	0.020	--	0.570	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	1.17	0.020	--	5.07	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	0.562	0.020	--	2.76	0.098	--		1
1,2,4-Trimethylbenzene	1.69	0.020	--	8.30	0.098	--		1
1,3-Dichlorobenzene	0.099	0.020	--	0.595	0.120	--		1
1,4-Dichlorobenzene	0.297	0.020	--	1.78	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-03
Client ID: MP-1
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 12:09
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	109		60-140
bromochloromethane	81		60-140
chlorobenzene-d5	105		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-03 D
Client ID: MP-1
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/24/10 16:18
Analyst: RY

Date Collected: 07/16/10 12:09
Date Received: 07/19/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Acetone	250	100	–	594	238	–		50.1
2-Butanone	2100	25.0	–	6180	73.8	–		50.1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-03 D
Client ID: MP-1
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 12:09
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	88		60-140
bromochloromethane	76		60-140
chlorobenzene-d5	88		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-04
Client ID: MP-3
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/23/10 01:49
Analyst: RY

Date Collected: 07/16/10 12:36
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.529	0.050	–	2.61	0.247	–		1
Chloromethane	30.4	0.500	–	62.8	1.03	–		1
Vinyl chloride	0.777	0.020	–	1.98	0.051	–		1
Chloroethane	0.967	0.020	–	2.55	0.053	–		1
Acetone	2020	2.00	–	4800	4.75	–	E	1
Trichlorofluoromethane	0.328	0.050	–	1.84	0.281	–		1
Acrylonitrile	ND	0.500	–	ND	1.08	–		1
1,1-Dichloroethene	0.052	0.020	–	0.206	0.079	–		1
Methylene chloride	6.21	1.00	–	21.5	3.47	–		1
trans-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
1,1-Dichloroethane	0.612	0.020	–	2.48	0.081	–		1
Methyl tert butyl ether	ND	0.020	–	ND	0.072	–		1
2-Butanone	7140	0.500	–	21000	1.47	–	E	1
cis-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Chloroform	ND	0.020	–	ND	0.098	–		1
1,2-Dichloroethane	0.357	0.020	–	1.44	0.081	–		1
1,1,1-Trichloroethane	ND	0.020	–	ND	0.109	–		1
Benzene	0.480	0.100	–	1.53	0.319	–		1
Carbon tetrachloride	0.076	0.020	–	0.478	0.126	–		1
1,2-Dichloropropane	ND	0.020	–	ND	0.092	–		1
Bromodichloromethane	ND	0.020	–	ND	0.134	–		1
Trichloroethene	0.062	0.020	–	0.333	0.107	–		1
cis-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1
4-Methyl-2-pentanone	ND	0.500	–	ND	2.05	–		1
trans-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-04
Client ID: MP-3
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 12:36
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	4.75	0.020	--	17.9	0.075	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	1.88	0.020	--	12.7	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	0.552	0.020	--	2.40	0.087	--		1
p/m-Xylene	1.62	0.040	--	7.01	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	0.214	0.020	--	0.911	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.655	0.020	--	2.84	0.087	--		1
Isopropylbenzene	0.541	0.500	--	2.66	2.46	--		1
1,3,5-Trimethylbenzene	0.383	0.020	--	1.88	0.098	--		1
1,2,4-Trimethylbenzene	1.68	0.020	--	8.23	0.098	--		1
1,3-Dichlorobenzene	0.114	0.020	--	0.685	0.120	--		1
1,4-Dichlorobenzene	0.383	0.020	--	2.30	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-04
Client ID: MP-3
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 12:36
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	116		60-140
bromochloromethane	111		60-140
chlorobenzene-d5	114		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-04 D
Client ID: MP-3
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/23/10 12:33
Analyst: RY

Date Collected: 07/16/10 12:36
Date Received: 07/19/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Acetone	1380	506	–	3280	1200	–		253
2-Butanone	9280	126	–	27400	373	–		253

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-04 D
Client ID: MP-3
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 12:36
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	87		60-140
bromochloromethane	105		60-140
chlorobenzene-d5	89		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-05
Client ID: MP-4
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/23/10 02:27
Analyst: RY

Date Collected: 07/16/10 12:29
Date Received: 07/19/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.516	0.050	–	2.55	0.247	–		1
Chloromethane	0.718	0.500	–	1.48	1.03	–		1
Vinyl chloride	ND	0.020	–	ND	0.051	–		1
Chloroethane	0.063	0.020	–	0.166	0.053	–		1
Acetone	85.3	2.00	–	202	4.75	–	E	1
Trichlorofluoromethane	2.92	0.050	–	16.4	0.281	–		1
Acrylonitrile	ND	0.500	–	ND	1.08	–		1
1,1-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Methylene chloride	5.63	1.00	–	19.5	3.47	–		1
trans-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
1,1-Dichloroethane	ND	0.020	–	ND	0.081	–		1
Methyl tert butyl ether	ND	0.020	–	ND	0.072	–		1
2-Butanone	150	0.500	–	441	1.47	–	E	1
cis-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Chloroform	0.044	0.020	–	0.215	0.098	–		1
1,2-Dichloroethane	ND	0.020	–	ND	0.081	–		1
1,1,1-Trichloroethane	ND	0.020	–	ND	0.109	–		1
Benzene	0.216	0.100	–	0.689	0.319	–		1
Carbon tetrachloride	0.082	0.020	–	0.515	0.126	–		1
1,2-Dichloropropane	ND	0.020	–	ND	0.092	–		1
Bromodichloromethane	ND	0.020	–	ND	0.134	–		1
Trichloroethene	1.52	0.020	–	8.14	0.107	–		1
cis-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1
4-Methyl-2-pentanone	ND	0.500	–	ND	2.05	–		1
trans-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-05
Client ID: MP-4
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 12:29
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	1.59	0.020	--	5.98	0.075	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	1.60	0.020	--	10.9	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	0.046	0.020	--	0.212	0.092	--		1
Ethylbenzene	0.416	0.020	--	1.80	0.087	--		1
p/m-Xylene	1.46	0.040	--	6.36	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	0.155	0.020	--	0.660	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.606	0.020	--	2.63	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethylbenzene	0.369	0.020	--	1.81	0.098	--		1
1,2,4-Trimethylbenzene	1.65	0.020	--	8.09	0.098	--		1
1,3-Dichlorobenzene	0.331	0.020	--	1.99	0.120	--		1
1,4-Dichlorobenzene	0.477	0.020	--	2.86	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-05
Client ID: MP-4
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 12:29
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	100		60-140
bromochloromethane	113		60-140
chlorobenzene-d5	104		60-140

Project Name: ALVAREZ HIGH SCHOOL
Lab Number: L1010920
Project Number: 14687.01
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-05 D
Client ID: MP-4
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/23/10 13:11
Analyst: RY

Date Collected: 07/16/10 12:29
Date Received: 07/19/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Acetone	78.2	5.00	--	186	11.9	--		2.5

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-05 D
Client ID: MP-4
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 12:29
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	108		60-140
bromochloromethane	118		60-140
chlorobenzene-d5	108		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-05 D2
Client ID: MP-4
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/24/10 16:55
Analyst: RY

Date Collected: 07/16/10 12:29
Date Received: 07/19/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
2-Butanone	131	2.50	--	386	7.37	--		5

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-05 D2
Client ID: MP-4
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 12:29
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	94		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-06 D
Client ID: MP-6
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/24/10 17:46
Analyst: RY

Date Collected: 07/16/10 12:51
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.604	0.378	–	2.98	1.87	–		7.553
Chloromethane	ND	3.78	–	ND	7.79	–		7.553
Vinyl chloride	ND	0.151	–	ND	0.386	–		7.553
Chloroethane	ND	0.151	–	ND	0.398	–		7.553
Acetone	4780	15.1	–	11400	35.8	–	E	7.553
Trichlorofluoromethane	ND	0.378	–	ND	2.12	–		7.553
Acrylonitrile	ND	3.78	–	ND	8.19	–		7.553
1,1-Dichloroethene	ND	0.151	–	ND	0.598	–		7.553
Methylene chloride	ND	7.55	–	ND	26.2	–		7.553
trans-1,2-Dichloroethene	ND	0.151	–	ND	0.598	–		7.553
1,1-Dichloroethane	ND	0.151	–	ND	0.611	–		7.553
Methyl tert butyl ether	ND	0.151	–	ND	0.544	–		7.553
2-Butanone	3510	3.78	–	10400	11.1	–	E	7.553
cis-1,2-Dichloroethene	ND	0.151	–	ND	0.598	–		7.553
Chloroform	ND	0.151	–	ND	0.737	–		7.553
1,2-Dichloroethane	ND	0.151	–	ND	0.611	–		7.553
1,1,1-Trichloroethane	ND	0.151	–	ND	0.824	–		7.553
Benzene	ND	0.755	–	ND	2.41	–		7.553
Carbon tetrachloride	ND	0.151	–	ND	0.950	–		7.553
1,2-Dichloropropane	ND	0.151	–	ND	0.698	–		7.553
Bromodichloromethane	ND	0.151	–	ND	1.01	–		7.553
Trichloroethene	ND	0.151	–	ND	0.811	–		7.553
cis-1,3-Dichloropropene	ND	0.151	–	ND	0.685	–		7.553
4-Methyl-2-pentanone	ND	3.78	–	ND	15.4	–		7.553
trans-1,3-Dichloropropene	ND	0.151	–	ND	0.685	–		7.553

Project Name: ALVAREZ HIGH SCHOOL
Lab Number: L1010920
Project Number: 14687.01
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-06 D
Client ID: MP-6
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 12:51
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2-Trichloroethane	ND	0.151	--	ND	0.824	--		7.553
Toluene	1.47	0.151	--	5.54	0.569	--		7.553
Dibromochloromethane	ND	0.151	--	ND	1.28	--		7.553
1,2-Dibromoethane	ND	0.151	--	ND	1.16	--		7.553
Tetrachloroethene	1.48	0.151	--	10.0	1.02	--		7.553
1,1,1,2-Tetrachloroethane	ND	0.151	--	ND	1.04	--		7.553
Chlorobenzene	ND	0.151	--	ND	0.695	--		7.553
Ethylbenzene	0.332	0.151	--	1.44	0.655	--		7.553
p/m-Xylene	1.11	0.302	--	4.82	1.31	--		7.553
Bromoform	ND	0.151	--	ND	1.56	--		7.553
Styrene	ND	0.151	--	ND	0.643	--		7.553
1,1,2,2-Tetrachloroethane	ND	0.151	--	ND	1.04	--		7.553
o-Xylene	0.483	0.151	--	2.10	0.655	--		7.553
Isopropylbenzene	ND	3.78	--	ND	18.5	--		7.553
1,3,5-Trimethybenzene	0.340	0.151	--	1.67	0.742	--		7.553
1,2,4-Trimethylbenzene	1.28	0.151	--	6.27	0.742	--		7.553
1,3-Dichlorobenzene	ND	0.151	--	ND	0.907	--		7.553
1,4-Dichlorobenzene	0.226	0.151	--	1.36	0.907	--		7.553
sec-Butylbenzene	ND	3.78	--	ND	20.7	--		7.553
p-Isopropyltoluene	ND	3.78	--	ND	20.7	--		7.553
1,2-Dichlorobenzene	ND	0.151	--	ND	0.907	--		7.553
n-Butylbenzene	ND	3.78	--	ND	20.7	--		7.553

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-06 D
Client ID: MP-6
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 12:51
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	82		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	87		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-06 D2
Client ID: MP-6
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/23/10 13:49
Analyst: RY

Date Collected: 07/16/10 12:51
Date Received: 07/19/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Acetone	4930	504	–	11700	1200	–		251.8
2-Butanone	4090	126	–	12000	371	–		251.8

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-06 D2
Client ID: MP-6
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 12:51
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	84		60-140
bromochloromethane	102		60-140
chlorobenzene-d5	92		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-07
Client ID: RT-1
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/23/10 09:49
Analyst: RY

Date Collected: 07/16/10 13:15
Date Received: 07/19/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.777	0.050	–	3.84	0.247	–		1
Chloromethane	0.634	0.500	–	1.31	1.03	–		1
Vinyl chloride	ND	0.020	–	ND	0.051	–		1
Chloroethane	0.025	0.020	–	0.066	0.053	–		1
Acetone	26.1	2.00	–	62.0	4.75	–		1
Trichlorofluoromethane	14.0	0.050	–	78.4	0.281	–		1
Acrylonitrile	ND	0.500	–	ND	1.08	–		1
1,1-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Methylene chloride	5.28	1.00	–	18.3	3.47	–		1
trans-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
1,1-Dichloroethane	0.027	0.020	–	0.109	0.081	–		1
Methyl tert butyl ether	ND	0.020	–	ND	0.072	–		1
2-Butanone	3.40	0.500	–	10.0	1.47	–		1
cis-1,2-Dichloroethene	0.033	0.020	–	0.131	0.079	–		1
Chloroform	0.079	0.020	–	0.385	0.098	–		1
1,2-Dichloroethane	0.027	0.020	–	0.109	0.081	–		1
1,1,1-Trichloroethane	0.527	0.020	–	2.87	0.109	–		1
Benzene	0.116	0.100	–	0.370	0.319	–		1
Carbon tetrachloride	0.095	0.020	–	0.597	0.126	–		1
1,2-Dichloropropane	ND	0.020	–	ND	0.092	–		1
Bromodichloromethane	ND	0.020	–	ND	0.134	–		1
Trichloroethene	20.8	0.020	–	112	0.107	–		1
cis-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1
4-Methyl-2-pentanone	ND	0.500	–	ND	2.05	–		1
trans-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-07
Client ID: RT-1
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 13:15
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	0.482	0.020	--	1.81	0.075	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	5.13	0.020	--	34.8	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	0.126	0.020	--	0.547	0.087	--		1
p/m-Xylene	0.377	0.040	--	1.64	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	0.078	0.020	--	0.332	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.161	0.020	--	0.698	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	0.148	0.020	--	0.727	0.098	--		1
1,2,4-Trimethylbenzene	0.542	0.020	--	2.66	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	0.197	0.020	--	1.18	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-07
Client ID: RT-1
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 13:15
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	86		60-140
chlorobenzene-d5	98		60-140

Project Name: ALVAREZ HIGH SCHOOL
Lab Number: L1010920
Project Number: 14687.01
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-08
Client ID: RT-2
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/23/10 10:27
Analyst: RY

Date Collected: 07/16/10 13:51
Date Received: 07/19/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.497	0.050	--	2.46	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
Chloroethane	0.057	0.020	--	0.150	0.053	--		1
Acetone	17.6	2.00	--	41.6	4.75	--		1
Trichlorofluoromethane	23.4	0.050	--	131	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	4.88	1.00	--	16.9	3.47	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	1.69	0.500	--	4.99	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	0.093	0.020	--	0.454	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	0.283	0.020	--	1.54	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	0.073	0.020	--	0.459	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	16.9	0.020	--	90.6	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-08
Client ID: RT-2
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 13:51
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2-Trichloroethane	ND	0.020	–	ND	0.109	–		1
Toluene	0.301	0.020	–	1.13	0.075	–		1
Dibromochloromethane	ND	0.020	–	ND	0.170	–		1
1,2-Dibromoethane	ND	0.020	–	ND	0.154	–		1
Tetrachloroethene	2.44	0.020	–	16.5	0.136	–		1
1,1,1,2-Tetrachloroethane	ND	0.020	–	ND	0.137	–		1
Chlorobenzene	ND	0.020	–	ND	0.092	–		1
Ethylbenzene	0.098	0.020	–	0.425	0.087	–		1
p/m-Xylene	0.347	0.040	–	1.50	0.174	–		1
Bromoform	ND	0.020	–	ND	0.206	–		1
Styrene	0.068	0.020	–	0.289	0.085	–		1
1,1,2,2-Tetrachloroethane	ND	0.020	–	ND	0.137	–		1
o-Xylene	0.135	0.020	–	0.586	0.087	–		1
Isopropylbenzene	ND	0.500	–	ND	2.46	–		1
1,3,5-Trimethybenzene	0.137	0.020	–	0.673	0.098	–		1
1,2,4-Trimethylbenzene	0.536	0.020	–	2.63	0.098	–		1
1,3-Dichlorobenzene	ND	0.020	–	ND	0.120	–		1
1,4-Dichlorobenzene	0.220	0.020	–	1.32	0.120	–		1
sec-Butylbenzene	ND	0.500	–	ND	2.74	–		1
p-Isopropyltoluene	ND	0.500	–	ND	2.74	–		1
1,2-Dichlorobenzene	ND	0.020	–	ND	0.120	–		1
n-Butylbenzene	ND	0.500	–	ND	2.74	–		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-08
Client ID: RT-2
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 13:51
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	116		60-140
bromochloromethane	111		60-140
chlorobenzene-d5	114		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-09
Client ID: RT-3
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/23/10 11:06
Analyst: RY

Date Collected: 07/16/10 13:46
Date Received: 07/19/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.455	0.050	–	2.25	0.247	–		1
Chloromethane	ND	0.500	–	ND	1.03	–		1
Vinyl chloride	ND	0.020	–	ND	0.051	–		1
Chloroethane	ND	0.020	–	ND	0.053	–		1
Acetone	6.38	2.00	–	15.1	4.75	–		1
Trichlorofluoromethane	2.55	0.050	–	14.3	0.281	–		1
Acrylonitrile	ND	0.500	–	ND	1.08	–		1
1,1-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Methylene chloride	5.10	1.00	–	17.7	3.47	–		1
trans-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
1,1-Dichloroethane	ND	0.020	–	ND	0.081	–		1
Methyl tert butyl ether	ND	0.020	–	ND	0.072	–		1
2-Butanone	0.579	0.500	–	1.71	1.47	–		1
cis-1,2-Dichloroethene	0.021	0.020	–	0.083	0.079	–		1
Chloroform	0.109	0.020	–	0.532	0.098	–		1
1,2-Dichloroethane	ND	0.020	–	ND	0.081	–		1
1,1,1-Trichloroethane	0.174	0.020	–	0.949	0.109	–		1
Benzene	ND	0.100	–	ND	0.319	–		1
Carbon tetrachloride	0.075	0.020	–	0.471	0.126	–		1
1,2-Dichloropropane	ND	0.020	–	ND	0.092	–		1
Bromodichloromethane	ND	0.020	–	ND	0.134	–		1
Trichloroethene	5.95	0.020	–	32.0	0.107	–		1
cis-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1
4-Methyl-2-pentanone	ND	0.500	–	ND	2.05	–		1
trans-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-09
Client ID: RT-3
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 13:46
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	0.376	0.020	--	1.42	0.075	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	11.8	0.020	--	80.2	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	0.124	0.020	--	0.538	0.087	--		1
p/m-Xylene	0.343	0.040	--	1.49	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	0.028	0.020	--	0.119	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.111	0.020	--	0.482	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	0.113	0.020	--	0.555	0.098	--		1
1,2,4-Trimethylbenzene	0.398	0.020	--	1.96	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	0.120	0.020	--	0.721	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-09
Client ID: RT-3
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 13:46
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	114		60-140
bromochloromethane	122		60-140
chlorobenzene-d5	112		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 07/22/10 19:23

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-09 Batch: WG424047-4								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 07/22/10 19:23

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-09 Batch: WG424047-4								
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.020	--	ND	0.075	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 07/24/10 15:21

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 03,05-06 Batch: WG424047-9								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 07/24/10 15:21

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 03,05-06 Batch: WG424047-9								
1,1,2-Trichloroethane	ND	0.020	–	ND	0.109	–		1
Toluene	ND	0.020	–	ND	0.075	–		1
Dibromochloromethane	ND	0.020	–	ND	0.170	–		1
1,2-Dibromoethane	ND	0.020	–	ND	0.154	–		1
Tetrachloroethene	ND	0.020	–	ND	0.136	–		1
1,1,1,2-Tetrachloroethane	ND	0.020	–	ND	0.137	–		1
Chlorobenzene	ND	0.020	–	ND	0.092	–		1
Ethylbenzene	ND	0.020	–	ND	0.087	–		1
p/m-Xylene	ND	0.040	–	ND	0.174	–		1
Bromoform	ND	0.020	–	ND	0.206	–		1
Styrene	ND	0.020	–	ND	0.085	–		1
1,1,2,2-Tetrachloroethane	ND	0.020	–	ND	0.137	–		1
o-Xylene	ND	0.020	–	ND	0.087	–		1
Isopropylbenzene	ND	0.500	–	ND	2.46	–		1
1,3,5-Trimethylbenzene	ND	0.020	–	ND	0.098	–		1
1,2,4-Trimethylbenzene	ND	0.020	–	ND	0.098	–		1
1,3-Dichlorobenzene	ND	0.020	–	ND	0.120	–		1
1,4-Dichlorobenzene	ND	0.020	–	ND	0.120	–		1
sec-Butylbenzene	ND	0.500	–	ND	2.74	–		1
p-Isopropyltoluene	ND	0.500	–	ND	2.74	–		1
1,2-Dichlorobenzene	ND	0.020	–	ND	0.120	–		1
n-Butylbenzene	ND	0.500	–	ND	2.74	–		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1010920
Report Date: 07/26/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 Batch: WG424047-3								
Dichlorodifluoromethane	122		-		70-130	-		25
Chloromethane	128		-		70-130	-		25
Vinyl chloride	111		-		70-130	-		25
Chloroethane	113		-		70-130	-		25
Acetone	125		-		70-130	-		25
Trichlorofluoromethane	118		-		70-130	-		25
Acrylonitrile	114		-		70-130	-		25
1,1-Dichloroethene	121		-		70-130	-		25
Methylene chloride	134	Q	-		70-130	-		25
trans-1,2-Dichloroethene	119		-		70-130	-		25
1,1-Dichloroethane	109		-		70-130	-		25
Methyl tert butyl ether	132	Q	-		70-130	-		25
2-Butanone	116		-		70-130	-		25
cis-1,2-Dichloroethene	110		-		70-130	-		25
Chloroform	112		-		70-130	-		25
1,2-Dichloroethane	114		-		70-130	-		25
1,1,1-Trichloroethane	103		-		70-130	-		25
Benzene	91		-		70-130	-		25
Carbon tetrachloride	109		-		70-130	-		25
1,2-Dichloropropane	96		-		70-130	-		25
Bromodichloromethane	101		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1010920
Report Date: 07/26/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 Batch: WG424047-3								
Trichloroethene	102		-		70-130	-		25
cis-1,3-Dichloropropene	107		-		70-130	-		25
4-Methyl-2-pentanone	106		-		70-130	-		25
trans-1,3-Dichloropropene	97		-		70-130	-		25
1,1,2-Trichloroethane	106		-		70-130	-		25
Toluene	96		-		70-130	-		25
Dibromochloromethane	111		-		70-130	-		25
1,2-Dibromoethane	109		-		70-130	-		25
Tetrachloroethene	104		-		70-130	-		25
1,1,1,2-Tetrachloroethane	108		-		70-130	-		25
Chlorobenzene	107		-		70-130	-		25
Ethylbenzene	113		-		70-130	-		25
p/m-Xylene	118		-		70-130	-		25
Bromoform	124		-		70-130	-		25
Styrene	122		-		70-130	-		25
1,1,2,2-Tetrachloroethane	116		-		70-130	-		25
o-Xylene	119		-		70-130	-		25
Isopropylbenzene	115		-		70-130	-		25
1,3,5-Trimethylbenzene	128		-		70-130	-		25
1,2,4-Trimethylbenzene	133	Q	-		70-130	-		25
1,3-Dichlorobenzene	125		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1010920
Report Date: 07/26/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 Batch: WG424047-3								
1,4-Dichlorobenzene	123		-		70-130	-		25
sec-Butylbenzene	119		-		70-130	-		25
p-Isopropyltoluene	119		-		70-130	-		25
1,2-Dichlorobenzene	124		-		70-130	-		25
n-Butylbenzene	127		-		70-130	-		25
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 03,05-06 Batch: WG424047-8								
Dichlorodifluoromethane	120		-		70-130	-		25
Chloromethane	121		-		70-130	-		25
Vinyl chloride	101		-		70-130	-		25
Chloroethane	103		-		70-130	-		25
Acetone	114		-		70-130	-		25
Trichlorofluoromethane	109		-		70-130	-		25
Acrylonitrile	99		-		70-130	-		25
1,1-Dichloroethene	110		-		70-130	-		25
Methylene chloride	114		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1010920
Report Date: 07/26/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 03,05-06 Batch: WG424047-8								
trans-1,2-Dichloroethene	133	Q	-		70-130	-		25
1,1-Dichloroethane	128		-		70-130	-		25
Methyl tert butyl ether	149	Q	-		70-130	-		25
2-Butanone	103		-		70-130	-		25
cis-1,2-Dichloroethene	97		-		70-130	-		25
Chloroform	100		-		70-130	-		25
1,2-Dichloroethane	101		-		70-130	-		25
1,1,1-Trichloroethane	89		-		70-130	-		25
Benzene	78		-		70-130	-		25
Carbon tetrachloride	95		-		70-130	-		25
1,2-Dichloropropane	82		-		70-130	-		25
Bromodichloromethane	86		-		70-130	-		25
Trichloroethene	88		-		70-130	-		25
cis-1,3-Dichloropropene	91		-		70-130	-		25
4-Methyl-2-pentanone	91		-		70-130	-		25
trans-1,3-Dichloropropene	81		-		70-130	-		25
1,1,2-Trichloroethane	91		-		70-130	-		25
Toluene	85		-		70-130	-		25
Dibromochloromethane	100		-		70-130	-		25
1,2-Dibromoethane	97		-		70-130	-		25
Tetrachloroethene	96		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1010920
Report Date: 07/26/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 03,05-06 Batch: WG424047-8								
1,1,1,2-Tetrachloroethane	97		-		70-130	-		25
Chlorobenzene	96		-		70-130	-		25
Ethylbenzene	101		-		70-130	-		25
p/m-Xylene	106		-		70-130	-		25
Bromoform	111		-		70-130	-		25
Styrene	108		-		70-130	-		25
1,1,2,2-Tetrachloroethane	105		-		70-130	-		25
o-Xylene	107		-		70-130	-		25
Isopropylbenzene	103		-		70-130	-		25
1,3,5-Trimethylbenzene	115		-		70-130	-		25
1,2,4-Trimethylbenzene	119		-		70-130	-		25
1,3-Dichlorobenzene	112		-		70-130	-		25
1,4-Dichlorobenzene	111		-		70-130	-		25
sec-Butylbenzene	107		-		70-130	-		25
p-Isopropyltoluene	107		-		70-130	-		25
1,2-Dichlorobenzene	112		-		70-130	-		25
n-Butylbenzene	114		-		70-130	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1010920
Report Date: 07/26/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG424047-5 QC Sample: L1010920-06 Client ID: MP-6						
Acetone	4930	4430	ppbV	11		25
2-Butanone	4090	3560	ppbV	14		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1010920
Report Date: 07/26/10

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG424047-5 QC Sample: L1010920-06 Client ID: MP-6						
Dichlorodifluoromethane	0.604	0.702	ppbV	15		25
Chloromethane	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
Chloroethane	ND	0.196	ppbV	NC		25
Acetone	4780E	5610	ppbV	16	E	25
Trichlorofluoromethane	ND	0.378	ppbV	NC		25
Acrylonitrile	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	3510E	3810	ppbV	8	E	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Chloroform	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Benzene	ND	ND	ppbV	NC		25
Carbon tetrachloride	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1010920
Report Date: 07/26/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG424047-5 QC Sample: L1010920-06 Client ID: MP-6					
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	1.47	1.53	ppbV	4	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	1.48	1.55	ppbV	5	25
1,1,1,2-Tetrachloroethane	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	0.332	0.355	ppbV	7	25
p/m-Xylene	1.11	1.20	ppbV	8	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	0.483	0.536	ppbV	10	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1010920
Report Date: 07/26/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG424047-5 QC Sample: L1010920-06 Client ID: MP-6					
Isopropylbenzene	ND	ND	ppbV	NC	25
1,3,5-Trimethybenzene	0.340	0.408	ppbV	18	25
1,2,4-Trimethylbenzene	1.28	1.62	ppbV	23	25
1,3-Dichlorobenzene	ND	0.159	ppbV	NC	25
1,4-Dichlorobenzene	0.226	0.272	ppbV	18	25
sec-Butylbenzene	ND	ND	ppbV	NC	25
p-Isopropyltoluene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
n-Butylbenzene	ND	ND	ppbV	NC	25

Project Name: ALVAREZ HIGH SCHOOL **Lab Number:** L1010920

Project Number: 14687.01 **Report Date:** 07/26/10

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Cleaning Batch ID	Initial Pressure (In. Hg)	Pressure on Receipt (In. Hg)	Flow Out mL/min	Flow In mL/min	% RSD
L1010920-01	IMP-2	0446	#90 SV		-	-	71	73	3
L1010920-01	IMP-2	376	2.7L Can	I1010362	-29.3	-8.7	-	-	-
L1010920-02	IMP-1	0001	#90 SV		-	-	67	71	6
L1010920-02	IMP-1	463	2.7L Can	I1010362	-28.8	-4.8	-	-	-
L1010920-03	MP-1	0435	#90 SV		-	-	71	75	5
L1010920-03	MP-1	1743	2.7L Can	I1010362	-29.4	-6.4	-	-	-
L1010920-04	MP-3	0268	#90 SV		-	-	71	75	5
L1010920-04	MP-3	118	2.7L Can	I1010362	-28.9	-7.2	-	-	-
L1010920-05	MP-4	0150	#90 SV		-	-	67	69	3
L1010920-05	MP-4	395	2.7L Can	I1010362	-29.0	-7.7	-	-	-
L1010920-06	MP-6	0152	#90 SV		-	-	69	78	12
L1010920-06	MP-6	388	2.7L Can	I1010362	-28.8	-10.1	-	-	-
L1010920-07	RT-1	518	2.7L Can	I1010362	-29.6	-2.9	-	-	-
L1010920-08	RT-2	455	2.7L Can	I1010362	-29.3	-3.6	-	-	-
L1010920-09	RT-3	460	2.7L Can	I1010362	-28.8	-1.7	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1010362
Report Date: 07/26/10

Air Canister Certification Results

Lab ID: L1010362-01
Client ID: CAN 395 SHELF 7
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 07/09/10 19:35
Analyst: RY

Date Collected: 07/08/10 00:00
Date Received: 07/08/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.200	--	ND	0.344	--		1
Propane	ND	0.200	--	ND	0.606	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.988	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.776	--		1
Chloroethane	ND	0.200	--	ND	0.527	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.841	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.14	--		1
Acetone	ND	1.00	--	ND	2.37	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1010362
Report Date: 07/26/10

Air Canister Certification Results

Lab ID: L1010362-01
Client ID: CAN 395 SHELF 7
Sample Location:

Date Collected: 07/08/10 00:00
Date Received: 07/08/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.622	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.720	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.589	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.976	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.589	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.923	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.704	--		1
Diisopropyl ether	ND	0.200	--	ND	0.835	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.835	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.907	--		1
Benzene	ND	0.200	--	ND	0.638	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.835	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.720	--		1

Project Name: BATCH CANISTER CERTIFICATION ***Lab Number:*** L1010362

Project Number: CANISTER QC BAT ***Report Date:*** 07/26/10

Air Canister Certification Results

Lab ID: L1010362-01 Date Collected: 07/08/10 00:00

Client ID: CAN 395 SHELF 7 Date Received: 07/08/10

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.819	--		1
2,4,4-trimethyl-1-pentene	ND	0.500	--	ND	2.29	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.819	--		1
2,4,4-trimethyl-2-pentene	ND	0.500	--	ND	2.29	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.753	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.923	--		1
2-Hexanone	ND	0.200	--	ND	0.819	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.37	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.920	--		1
Ethylbenzene	ND	0.200	--	ND	0.868	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.06	--		1
Styrene	ND	0.200	--	ND	0.851	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.868	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.982	--		1

Project Name: BATCH CANISTER CERTIFICATION ***Lab Number:*** L1010362

Project Number: CANISTER QC BAT ***Report Date:*** 07/26/10

Air Canister Certification Results

Lab ID: L1010362-01 Date Collected: 07/08/10 00:00

Client ID: CAN 395 SHELF 7 Date Received: 07/08/10

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Bromobenzene	ND	0.200	--	ND	1.28	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
n-Propylbenzene	ND	0.200	--	ND	0.982	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.982	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.982	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.982	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.03	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION ***Lab Number:*** L1010362

Project Number: CANISTER QC BAT ***Report Date:*** 07/26/10

Air Canister Certification Results

Lab ID: L1010362-01 Date Collected: 07/08/10 00:00

Client ID: CAN 395 SHELF 7 Date Received: 07/08/10

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	89		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1010362
Report Date: 07/26/10

Air Canister Certification Results

Lab ID: L1010362-01
Client ID: CAN 395 SHELF 7
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/09/10 19:35
Analyst: RY

Date Collected: 07/08/10 00:00
Date Received: 07/08/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.403	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION ***Lab Number:*** L1010362

Project Number: CANISTER QC BAT ***Report Date:*** 07/26/10

Air Canister Certification Results

Lab ID: L1010362-01 Date Collected: 07/08/10 00:00

Client ID: CAN 395 SHELF 7 Date Received: 07/08/10

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.020	--	ND	0.075	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1010362
Report Date: 07/26/10

Air Canister Certification Results

Lab ID: L1010362-01
Client ID: CAN 395 SHELF 7
Sample Location:

Date Collected: 07/08/10 00:00
Date Received: 07/08/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	–	ND	0.371	–		1
Naphthalene	ND	0.050	–	ND	0.262	–		1
1,2,3-Trichlorobenzene	ND	0.050	–	ND	0.371	–		1
Hexachlorobutadiene	ND	0.050	–	ND	0.533	–		1

Project Name: BATCH CANISTER CERTIFICATION ***Lab Number:*** L1010362

Project Number: CANISTER QC BAT ***Report Date:*** 07/26/10

Air Canister Certification Results

Lab ID: L1010362-01 Date Collected: 07/08/10 00:00

Client ID: CAN 395 SHELF 7 Date Received: 07/08/10

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	83		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	89		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1010920
Report Date: 07/26/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
N/A	Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1010920-01A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1010920-02A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1010920-03A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1010920-04A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1010920-05A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1010920-06A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1010920-07A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1010920-08A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1010920-09A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name: ALVAREZ HIGH SCHOOL **Lab Number:** L1010920

Project Number: 14687.01 **Report Date:** 07/26/10

GLOSSARY

Acronyms

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

Report Format: Data Usability Report

Project Name:	ALVAREZ HIGH SCHOOL	**Lab Number:**	L1010920
Project Number:	14687.01	**Report Date:**	07/26/10

Data Qualifiers

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: ALVAREZ HIGH SCHOOL **Lab Number:** L1010920
Project Number: 14687.01 **Report Date:** 07/26/10

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised July 19, 2010 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, EPA 120.1, SM2510B, EPA 245.1, EPA 150.1, EPA 160.2, SM2540D, EPA 335.2, SM2540G, EPA 180.1. Organic Parameters: EPA 625, 608.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045, 9014. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 120.1, 150.1, 160.2, 180.1, 200.8, 245.1, 310.1, 335.2, 608, 625, 1631, 3010, 3015, 3020, 6020, 9010, 9014, 9040, SM2320B, 2510B, 2540D, 2540G, 4500CN-E, 4500H-B, Organic Parameters: EPA 3510, 3580, 3630, 3640, 3660, 3665, 5030, 8015 (mod), 3570, 8081, 8082, 8260, 8270,)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7196, 7470, 7471, 7474, 9010, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015 (mod), EPA 3570, 1311, 3050, 3051, 3060, 3580, 3630, 3640, 3660, 3665, 5035, 8081, 8082, 8260, 8270.)

Biological Tissue (Inorganic Parameters: EPA 6020. Organic Parameters: EPA 3570, 3510, 3610, 3630, 3640, 8270.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA030.

Non-Potable Water (Inorganic Parameters: SM4500H+B. Organic Parameters: EPA 624.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 200.8, 245.1, 1631E, 120.1, 150.1, 180.1, 310.1, 335.2, 160.2, SM2540D, 2540G, 4500CN-E, 4500H+B, 2320B, 2510B. Organic Parameters: EPA 625, 608.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, 3015, 6020, SM2320B, EPA 200.8, SM2540C, 2540D, 2540G, EPA 120.1, SM2510B, EPA 180.1, 245.1, 1631E, SW-846 9040B, 6020, 9010B, 9014 Organic Parameters: EPA 608, 625, SW-846 3510C, 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 9010B, 9014, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 9045C, 9060. Organic Parameters: SW-846 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 3570, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610B, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 310.1, SM2320B, EPA 365.2, 160.1, EPA 160.2, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 335.2, 9014, 150.1, 9040B, 120.1, SM2510B, EPA 376.2, 180.1, 9010B. Organic Parameters: EPA 624, 8260B, 8270C, 608, 8081A, 625, 8082, 3510C, 3511, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, SW-846 Ch7 Sec 7.3, EPA 6020, 7196A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 3050B, 3580, 3050B, 3035, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. ***NELAP Accredited via LA-DEQ.***

Refer to MA-DEP Certificate for Non-Potable Water.

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. ***NELAP Accredited.***

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

U.S. Army Corps of Engineers

Department of Defense Certificate/Lab ID: L2217.01.

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312,3051, 6020, 747A, 7474, 9045C,9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580, 3570, 3540C, 5035, 8260B, 8270C, 8270 Alk-PAH, 8082, 8081A, 8015 (SHC), 8015 (DRO).

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **8270C:** Biphenyl.

Serial_No:07261016:23

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd In Lab:

ALPHA Job #: L1010920

Client Information

Client: EA Engineering
Address: 2350 Post Rd
Warwick, RI 02886
Phone: (401) 736-3450
Fax:
Email: rmack@eaestca
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Alvarez School
Project Location: Providence, RI
Project #: 14682.01
Project Manager: Frank Postma
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☑ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)
Ron Mack
rmack@eaestca

Billing Information

☐ Same as Client Info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria
CT RTR	Target indoor Concentrations	

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
10920.1	IMP-2	7/16	1020	1146	-30+	-10	SV	PT/DA		376	0446			X					0 ppb
2	IMP-2		1039	1109	-30+	-6				463	0001								0 ppb
3	MP-1		1140	1209	-30	-10				1743	0435								4.01 ppm
4	MP-3		1205	1236	-30	-9				118	0268								25.5 ppm
5	MP-4		1201	1229	-24	-6				395	0450								0.28 ppb
6	MP-6		1226	1251	-30+	-11				388	0152								47.1 ppm
7	RT-1		1315		-19	-3				518	-								256 ppb
8	RT-2		1351		-25	-4				455	-								239 ppb
9	RT-3		1546	163	-19	-3				460	-								503 ppb

*SAMPLE MATRIX CODES: AA = Ambient Air (Indoor/Outdoor); SV = Soil Vapor/Landfill Gas/SVE; Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
P. Gillen	7/19/10 14:24	P. Gillen	7/19/10 14:25
	7/19/10 17:00		7/19/10 17:00

Form No: 101-02 (19-Jun-09)

Appendix D

Rooftop Effluent Analytical Summary

Alvarez School - Sub Slab Depressurization System Emissions Calculations
Sample Date - 16 July 2010

Volatile Organic Compounds	ROOFTOP FAN 1 (Measured air flow = 108 cubic feet per minute)				ROOFTOP FAN 2 (Measured air flow = 190 cubic feet per minute)				ROOFTOP FAN 3 (Measured air flow = 124 cubic feet per minute)				CUMULATIVE EMISSIONS (3 fans combined)		
	Concentration (ug/m^3)	Hourly Emission (lbs/hour)	Daily Emission (lbs/day)	Yearly Emission (lbs/year)	Concentration (ug/m^3)	Hourly Emission (lbs/hour)	Daily Emission (lbs/day)	Yearly Emission (lbs/year)	Concentration (ug/m^3)	Hourly Emission (lbs/hour)	Daily Emission (lbs/day)	Yearly Emission (lbs/year)	Hourly Emission (lbs/hour)	Daily Emission (lbs/day)	Yearly Emission (lbs/year)
1,1,1,2-Tetrachloroethane	0.137 U	5.26E-08	1.26E-06	4.61E-04	0.137 U	5.13E-08	1.23E-06	4.50E-04	0.137 U	4.44E-08	1.06E-06	3.89E-04	1.48E-07	3.56E-06	1.30E-03
1,1,1-Trichloroethane	2.870	1.10E-06	2.65E-05	9.66E-03	1.54	5.77E-07	1.38E-05	5.05E-03	0.949	3.07E-07	7.37E-06	2.69E-03	1.99E-06	4.77E-05	1.74E-02
1,1,2,2-Tetrachloroethane	0.137 U	5.26E-08	1.26E-06	4.61E-04	0.137 U	5.13E-08	1.23E-06	4.50E-04	0.137 U	4.44E-08	1.06E-06	3.89E-04	1.48E-07	3.56E-06	1.30E-03
1,1,2-Trichloroethane	0.109 U	4.19E-08	1.01E-06	3.67E-04	0.109 U	4.08E-08	9.80E-07	3.58E-04	0.109 U	3.53E-08	8.47E-07	3.09E-04	1.18E-07	2.83E-06	1.03E-03
1,1-Dichloroethane	0.109	4.19E-08	1.01E-06	3.67E-04	0.081 U	3.03E-08	7.28E-07	2.66E-04	0.081 U	2.62E-08	6.29E-07	2.30E-04	9.85E-08	2.36E-06	8.62E-04
1,1-Dichloroethene	0.079 U	3.04E-08	7.29E-07	2.66E-04	0.079 U	2.96E-08	7.10E-07	2.59E-04	0.079 U	2.56E-08	6.14E-07	2.24E-04	8.55E-08	2.05E-06	7.49E-04
1,2,4-Trimethylbenzene	2.660	1.02E-06	2.45L-05	8.95E-03	2.63	9.85E-07	2.36E-05	8.61E-03	1.96	6.35E-07	1.52E-05	5.56E-03	2.64E-06	6.34E-05	2.31E-02
1,2-Dibromoethane	0.154 U	5.92E-08	1.42E-06	5.18L-04	0.154 U	5.77E-08	1.38E-06	5.05F-04	0.154 U	4.99E-08	1.20E-06	4.37E-04	1.67E-07	4.00E-06	1.46E-03
1,2-Dichlorobenzene	0.120 U	4.61E-08	1.11E-06	4.04E-04	0.120 U	4.49E-08	1.08E-06	3.94E-04	0.120 U	3.88E-08	9.32E-07	3.40E-04	1.30E-07	3.12E-06	1.14E-03
1,2-Dichloroethane	0.109	4.19E-08	1.01E-06	3.67E-04	0.081 U	3.03E-08	7.28E-07	2.66E-04	0.081 U	2.62E-08	6.29E-07	2.30E-04	9.85E-08	2.36E-06	8.62E-04
1,2-Dichloropropane	0.092 U	3.54E-08	8.49E-07	3.10E-04	0.092 U	3.45E-08	8.27E-07	3.02E-04	0.092 U	2.98E-08	7.15E-07	2.61E-04	9.96E-08	2.39E-06	8.72E-04
1,3,5-Trimethylbenzene	0.727	2.79E-07	6.71E-06	2.45E-03	0.673	2.52E-07	6.05E-06	2.21E-03	0.555	1.80E-07	4.31E-06	1.57E-03	7.11E-07	1.71E-05	6.23E-03
1,3-Dichlorobenzene	0.120 U	4.61E-08	1.11E-06	4.04E-04	0.120 U	4.49E-08	1.08E-06	3.94E-04	0.120 U	3.88E-08	9.32E-07	3.40E-04	1.30E-07	3.12E-06	1.14E-03
1,4-Dichlorobenzene	1.180	4.53E-07	1.09E-05	3.97E-03	1.32	4.94E-07	1.19E-05	4.33E-03	0.721	2.33E-07	5.60E-06	2.04E-03	1.18E-06	2.84E-05	1.03E-02
2-Butanone	10.000	3.84E-06	9.22E-05	3.37E-02	4.99 U	1.87E-06	4.49E-05	1.64E-02	1.71	5.54E-07	1.33E-05	4.85E-03	6.27E-06	1.50L-04	5.49E-02
4-Methyl-2-pentanone	2.050 U	7.88E-07	1.89E-05	6.90E-03	2.05 U	7.68E-07	1.84E-05	6.73E-03	2.05 U	6.64E-07	1.59E-05	5.81E-03	2.22E-06	5.33E-05	1.94E-02
Acetone	62.000	2.38E-05	5.72E-04	2.09E-01	41.6	1.56E-05	3.74E-04	1.36E-01	15.1	4.89E-06	1.17E-04	4.28E-02	4.43E-05	1.06E-03	3.88E-01
Acrylonitrile	1.080 U	4.15E-07	9.96E-06	3.64E-03	1.08 U	4.05E-07	9.71E-06	3.54E-03	1.08 U	3.50E-07	8.39E-06	3.06E-03	1.17E-06	2.81E-05	1.02E-02
Benzene	0.370	1.42E-07	3.41E-06	1.25E-03	0.319	1.19E-07	2.87E-06	1.05E-03	0.319 U	1.03E-07	2.48E-06	9.05E-04	3.65E-07	8.76E-06	3.20E-03
Bromodichloromethane	0.134 U	5.15E-08	1.24E-06	4.51E-04	0.134 U	5.02E-08	1.20E-06	4.40E-04	0.134 U	4.34E-08	1.04E-06	3.80E-04	1.45E-07	3.48E-06	1.27E-03
Bromoform	0.206 U	7.92E-08	1.90E-06	6.93E-04	0.206 U	7.72E-08	1.85E-06	6.76E-04	0.206 U	6.67E-08	1.60E-06	5.84E-04	2.23E-07	5.35E-06	1.95E-03
Carbon tetrachloride	0.597	2.29E-07	5.51E-06	2.01E-03	0.459	1.72E-07	4.13E-06	1.51E-03	0.471	1.52E-07	3.66E-06	1.34E-03	5.54E-07	1.33E-05	4.85E-03
Chlorobenzene	0.092 U	3.54E-08	8.49E-07	3.10E-04	0.092 U	3.45E-08	8.27E-07	3.02E-04	0.092 U	2.98E-08	7.15E-07	2.61E-04	9.96E-08	2.39E-06	8.72E-04
Chloroethane	0.066	2.54L-08	6.09E-07	2.22E-04	0.15	5.62E-08	1.35E-06	4.92E-04	0.053 U	1.72E-08	4.12E-07	1.50E-04	9.87E-08	2.37E-06	8.65E-04
Chloroform	0.385	1.48E-07	3.55E-06	1.30E-03	0.454	1.70E-07	4.08E-06	1.49E-03	0.532	1.72E-07	4.13E-06	1.51E-03	4.90E-07	1.18E-05	4.29E-03
Chloromethane	1.310	5.03E-07	1.21E-05	4.41E-03	1.03 U	3.86E-07	9.26E-06	3.38L-03	1.03 U	3.33E-07	8.00E-06	2.92E-03	1.22E-06	2.93E-05	1.07E-02
cis-1,2-Dichloroethene	0.131	5.03E-08	1.21E-06	4.41E-04	0.079 U	2.96E-08	7.10E-07	2.59E-04	0.083 U	2.69E-08	6.45E-07	2.35E-04	1.07E-07	2.56E-06	9.36E-04
cis-1,3-Dichloropropene	0.091 U	3.50E-08	8.39E-07	3.06E-04	0.091 U	3.41E-08	8.18E-07	2.99E-04	0.091 U	2.95E-08	7.07E-07	2.58E-04	9.85E-08	2.36E-06	8.63E-04
Dibromochloromethane	0.170 U	6.53E-08	1.57E-06	5.72E-04	0.17 U	6.37E-08	1.53E-06	5.58F-04	0.17 U	5.50E-08	1.32E-06	4.82E-04	1.84E-07	4.42E-06	1.61E-03
Dichlorodifluoromethane	3.840	1.48E-06	3.54E-05	1.29E-02	2.46	9.21E-07	2.21E-05	8.07E-03	2.25	7.28E-07	1.75E-05	6.38E-03	3.13E-06	7.50E-05	2.74E-02
Ethylbenzene	0.547	2.10E-07	5.04E-06	1.84E-03	0.425	1.59E-07	3.82E-06	1.39E-03	1.04	3.37E-07	8.08E-06	2.95E-03	7.06E-07	1.69E-05	6.19E-03
Isopropylbenzene	2.460 U	9.45E-07	2.27E-05	8.28E-03	2.46 U	9.21E-07	2.21E-05	8.07E-03	2.46 U	7.96E-07	1.91E-05	6.98E-03	2.66E-06	6.39E-05	2.33E-02
Methyl tert butyl ether	0.072 U	2.77E-08	6.64E-07	2.42E-04	0.072 U	2.70E-08	6.47E-07	2.36E-04	0.072 U	2.33E-08	5.59E-07	2.04E-04	7.79E-08	1.87E-06	6.83E-04
Methylene chloride	18.300 U	7.03E-06	1.69E-04	6.16E-02	16.9 U	6.31E-06	1.52E-04	5.55E-02	17.7 U	5.73E-06	1.38E-04	5.02E-02	1.91E-05	4.58E-04	1.67E-01
n-Butylbenzene	2.740 U	1.05E-06	2.53E-05	9.22F-03	2.74 U	1.03E-06	2.46E-05	8.99E-03	2.74 U	8.87E-07	2.13E-05	7.77E-03	2.97E-06	7.12E-05	2.60E-02
o-Xylene	0.698	2.68E-07	6.44E-06	2.35E-03	0.586	2.19E-07	5.27E-06	1.92E-03	0.482	1.56E-07	3.74E-06	1.37E-03	6.44E-07	1.55E-05	5.64E-03
p-Isopropyltoluene	2.740 U	1.05E-06	2.53E-05	9.22E-03	2.74 U	1.03E-06	2.46L-05	8.99E-03	2.74 U	8.87E-07	2.13F-05	7.77E-03	2.97E-06	7.12E-05	2.60E-02
p/m-Xylene	1.640	6.30E-07	1.51E-05	5.52E-03	1.5	5.62E-07	1.35E-05	4.92E-03	2.11	6.83F-07	1.64E-05	5.98E-03	1.88E-06	4.50E-05	1.64E-02
sec-Butylbenzene	2.740 U	1.05E-06	2.53E-05	9.22E-03	2.74 U	1.03E-06	2.46E-05	8.99E-03	2.74 U	8.87E-07	2.13E-05	7.77E-03	2.97E-06	7.12E-05	2.60E-02
Styrene	0.332	1.28E-07	3.06E-06	1.12E-03	0.289	1.08E-07	2.60E-06	9.48E-04	0.098	3.17E-08	7.61E-07	2.78E-04	2.68E-07	6.42E-06	2.34E-03
Tetrachloroethene	34.800	1.34E-05	3.21E-04	1.17E-01	16.5	6.18E-06	1.48F-04	5.41E-02	80.2	2.60E-05	6.23E-04	2.27E-01	4.55E-05	1.09E-03	3.99E-01
Toluene	1.810	6.96E-07	1.67E-05	6.09E-03	1.13	4.23E-07	1.02E-05	3.71E-03	1.42	4.60E-07	1.10E-05	4.03E-03	1.58E-06	3.79E-05	1.38E-02
trans-1,2-Dichloroethene	0.079 U	3.04E-08	7.29E-07	2.66E-04	0.079 U	2.96E-08	7.10E-07	2.59E-04	0.079 U	2.56E-08	6.14E-07	2.24E-04	8.55E-08	2.05E-06	7.49E-04
trans-1,3-Dichloropropene	0.091 U	3.50E-08	8.39E-07	3.06E-04	0.091 U	3.41E-08	8.18E-07	2.99E-04	0.091 U	2.95E-08	7.07E-07	2.58E-04	9.85E-08	2.36E-06	8.63E-04
Trichloroethene	112.000	4.30E-05	1.03E-03	3.77E-01	90.6	3.39E-05	8.14F-04	2.97E-01	32	1.04E-05	2.49E-04	9.07E-02	8.73E-05	2.10E-03	7.65E-01
Trichlorofluoromethane	78.400	3.01E-05	7.23E-04	2.64E-01	131	4.91E-05	1.18E-03	4.30E-01	14.3	4.63E-06	1.11E-04	4.06E-02	8.38E-05	2.01E-03	7.34E-01
Vinyl chloride	0.051 U	1.96E-08	4.70E-07	1.72E-04	0.051 U	1.91E-08	4.58E-07	1.67E-04	0.051 U	1.65E-08	3.96E-07	1.45E-04	5.52E-08	1.33E-06	4.84E-04
Total VOCs	3.51E+02	Not Applicable	Not Applicable	1.24E+00	3.32E+02	Not Applicable	Not Applicable	2.07E+00	1.91E+02	Not Applicable	Not Applicable	7.75E-01	Not Applicable	Not Applicable	2.81E+00
RIDEM Air Pollution Control Permit Applicability Thresholds (lbs) *		10	100	20,000 (Individual VOCs) 50,000 (Total VOCs)	Not Applicable	10	100	20,000 (Individual VOCs) 50,000 (Total VOCs)	Not Applicable	10	100	20,000 (Individual VOCs) 50,000 (Total VOCs)	10	100	20,000 (Individual VOCs) 50,000 (Total VOCs)

U indicates that chemical was not detected by the laboratory To be conservative the reporting limit shown in the concentration column was used in the emissions calculations

Hourly Emissions (lbs/hour) = VOC concentration (ug/m^3) x measured flow rate (cfm) x 0.02832 m^3/ft^3 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

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

ALPHA ANALYTICAL

ANALYTICAL REPORT

Lab Number:	L1010920
Client:	EA Engineering, Science and Tech 2350 Post Road Warwick, RI 02886
ATTN:	Frank Postma
Phone:	(401) 736-3440
Project Name:	ALVAREZ HIGH SCHOOL
Project Number:	14687.01
Report Date:	07/26/10

Certifications & Approvals: MA (M-MA030), NY (11627), CT (PH-0141), NH (2206), NJ (MA015), RI (LAO00299), ME (MA0030), PA (Registration #68-02089), LA NELAC (03090), FL NELAC (E87814), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1010920
Report Date: 07/26/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1010920-01	IMP-2	PROVIDENCE, RI	07/16/10 11:46
L1010920-02	IMP-1	PROVIDENCE, RI	07/16/10 11:08
L1010920-03	MP-1	PROVIDENCE, RI	07/16/10 12:09
L1010920-04	MP-3	PROVIDENCE, RI	07/16/10 12:36
L1010920-05	MP-4	PROVIDENCE, RI	07/16/10 12:29
L1010920-06	MP-6	PROVIDENCE, RI	07/16/10 12:51
L1010920-07	RT-1	PROVIDENCE, RI	07/16/10 13:15
L1010920-08	RT-2	PROVIDENCE, RI	07/16/10 13:51
L1010920-09	RT-3	PROVIDENCE, RI	07/16/10 13:46

Project Name: ALVAREZ HIGH SCHOOL **Lab Number:** L1010920
Project Number: 14687.01 **Report Date:** 07/26/10

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (I.e. Surrogate Spike Recovery) Is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that Is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

The canister certification results are provided as an addendum.
The internal standards were within method criteria.

Volatile Organics in Air (SIM)
L1010920-01, -03, -05, and -07 through -09: results for Chloromethane should be considered estimated due to co-elution with a non-target peak.

L1010920-03 through -06 and WG424047-5 Duplicate were re-analyzed on dilution in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

Project Name:	ALVAREZ HIGH SCHOOL	**Lab Number:**	L1010920
Project Number:	14687.01	**Report Date:**	07/26/10

Case Narrative (continued)

L1010920-06 and WG424047-5 have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The WG424047-3 LCS recoveries for Methylene chloride (134%), Methyl tert butyl ether (132%), and 1,2,4-Trimethylbenzene (133%) are outside the 70%-130% acceptance limit. The LCS was within overall method allowances, therefore the analysis proceeded.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kathleen M. O'Brien Kathleen O'Brien

Title: Technical Director/Representative Date: 07/26/10

AIR

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-01
Client ID: IMP-2
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/22/10 23:53
Analyst: RY

Date Collected: 07/16/10 11:46
Date Received: 07/19/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.665	0.050	–	3.29	0.247	–		1
Chloromethane	ND	0.500	–	ND	1.03	–		1
Vinyl chloride	ND	0.020	–	ND	0.051	–		1
Chloroethane	0.033	0.020	–	0.087	0.053	–		1
Acetone	8.88	2.00	–	21.1	4.75	–		1
Trichlorofluoromethane	3.53	0.050	–	19.8	0.281	–		1
Acrylonitrile	ND	0.500	–	ND	1.08	–		1
1,1-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Methylene chloride	7.64	1.00	–	26.5	3.47	–		1
trans-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
1,1-Dichloroethane	ND	0.020	–	ND	0.081	–		1
Methyl tert butyl ether	ND	0.020	–	ND	0.072	–		1
2-Butanone	0.949	0.500	–	2.80	1.47	–		1
cis-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Chloroform	0.071	0.020	–	0.346	0.098	–		1
1,2-Dichloroethane	ND	0.020	–	ND	0.081	–		1
1,1,1-Trichloroethane	0.103	0.020	–	0.562	0.109	–		1
Benzene	ND	0.100	–	ND	0.319	–		1
Carbon tetrachloride	0.081	0.020	–	0.509	0.126	–		1
1,2-Dichloropropane	ND	0.020	–	ND	0.092	–		1
Bromodichloromethane	ND	0.020	–	ND	0.134	–		1
Trichloroethene	5.19	0.020	–	27.8	0.107	–		1
cis-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1
4-Methyl-2-pentanone	ND	0.500	–	ND	2.05	–		1
trans-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1

Project Name: ALVAREZ HIGH SCHOOL
Lab Number: L1010920
Project Number: 14687.01
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-01
Client ID: IMP-2
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 11:46
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	1.55	0.020	--	5.85	0.075	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	2.83	0.020	--	19.2	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	0.327	0.020	--	1.42	0.087	--		1
p/m-Xylene	1.13	0.040	--	4.91	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	0.203	0.020	--	0.864	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.473	0.020	--	2.05	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethylbenzene	0.255	0.020	--	1.25	0.098	--		1
1,2,4-Trimethylbenzene	1.03	0.020	--	5.05	0.098	--		1
1,3-Dichlorobenzene	0.027	0.020	--	0.162	0.120	--		1
1,4-Dichlorobenzene	0.840	0.020	--	5.05	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-01
Client ID: IMP-2
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 11:46
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	103		60-140
bromochloromethane	81		60-140
chlorobenzene-d5	101		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-02
Client ID: IMP-1
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/23/10 00:32
Analyst: RY

Date Collected: 07/16/10 11:08
Date Received: 07/19/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.638	0.050	–	3.15	0.247	–		1
Chloromethane	ND	0.500	–	ND	1.03	–		1
Vinyl chloride	ND	0.020	–	ND	0.051	–		1
Chloroethane	0.020	0.020	–	0.053	0.053	–		1
Acetone	3.52	2.00	–	8.34	4.75	–		1
Trichlorofluoromethane	0.398	0.050	–	2.23	0.281	–		1
Acrylonitrile	ND	0.500	–	ND	1.08	–		1
1,1-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Methylene chloride	7.82	1.00	–	27.1	3.47	–		1
trans-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
1,1-Dichloroethane	ND	0.020	–	ND	0.081	–		1
Methyl tert butyl ether	ND	0.020	–	ND	0.072	–		1
2-Butanone	0.523	0.500	–	1.54	1.47	–		1
cis-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Chloroform	0.042	0.020	–	0.205	0.098	–		1
1,2-Dichloroethane	ND	0.020	–	ND	0.081	–		1
1,1,1-Trichloroethane	ND	0.020	–	ND	0.109	–		1
Benzene	ND	0.100	–	ND	0.319	–		1
Carbon tetrachloride	0.089	0.020	–	0.559	0.126	–		1
1,2-Dichloropropane	ND	0.020	–	ND	0.092	–		1
Bromodichloromethane	ND	0.020	–	ND	0.134	–		1
Trichloroethene	ND	0.020	–	ND	0.107	–		1
cis-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1
4-Methyl-2-pentanone	ND	0.500	–	ND	2.05	–		1
trans-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-02
Client ID: IMP-1
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 11:08
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	1.53	0.020	--	5.77	0.075	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	2.27	0.020	--	15.4	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	0.349	0.020	--	1.51	0.087	--		1
p/m-Xylene	1.14	0.040	--	4.95	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	0.080	0.020	--	0.340	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.433	0.020	--	1.88	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	0.219	0.020	--	1.08	0.098	--		1
1,2,4-Trimethylbenzene	0.872	0.020	--	4.28	0.098	--		1
1,3-Dichlorobenzene	0.022	0.020	--	0.132	0.120	--		1
1,4-Dichlorobenzene	0.272	0.020	--	1.63	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-02
Client ID: IMP-1
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 11:08
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	85		60-140
chlorobenzene-d5	95		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-03
Client ID: MP-1
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/23/10 01:10
Analyst: RY

Date Collected: 07/16/10 12:09
Date Received: 07/19/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.681	0.050	--	3.36	0.247	--		1
Chloromethane	0.638	0.500	--	1.32	1.03	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
Chloroethane	0.038	0.020	--	0.100	0.053	--		1
Acetone	275	2.00	--	654	4.75	--	E	1
Trichlorofluoromethane	0.464	0.050	--	2.60	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	6.91	1.00	--	24.0	3.47	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	1800	0.500	--	5320	1.47	--	E	1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	0.074	0.020	--	0.361	0.098	--		1
1,2-Dichloroethane	0.025	0.020	--	0.101	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.104	0.100	--	0.332	0.319	--		1
Carbon tetrachloride	0.073	0.020	--	0.459	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	0.062	0.020	--	0.333	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-03
Client ID: MP-1
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 12:09
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	5.89	0.020	--	22.2	0.075	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	1.83	0.020	--	12.4	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	1.90	0.020	--	8.23	0.087	--		1
p/m-Xylene	5.04	0.040	--	21.8	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	0.134	0.020	--	0.570	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	1.17	0.020	--	5.07	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethylbenzene	0.562	0.020	--	2.76	0.098	--		1
1,2,4-Trimethylbenzene	1.69	0.020	--	8.30	0.098	--		1
1,3-Dichlorobenzene	0.099	0.020	--	0.595	0.120	--		1
1,4-Dichlorobenzene	0.297	0.020	--	1.78	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-03
Client ID: MP-1
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 12:09
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	109		60-140
bromochloromethane	81		60-140
chlorobenzene-d5	105		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-03 D
Client ID: MP-1
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/24/10 16:18
Analyst: RY

Date Collected: 07/16/10 12:09
Date Received: 07/19/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Acetone	250	100	--	594	238	--		50.1
2-Butanone	2100	25.0	--	6180	73.8	--		50.1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-03 D
Client ID: MP-1
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 12:09
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	88		60-140
bromochloromethane	76		60-140
chlorobenzene-d5	88		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-04
Client ID: MP-3
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/23/10 01:49
Analyst: RY

Date Collected: 07/16/10 12:36
Date Received: 07/19/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.529	0.050	–	2.61	0.247	–		1
Chloromethane	30.4	0.500	–	62.8	1.03	–		1
Vinyl chloride	0.777	0.020	–	1.98	0.051	–		1
Chloroethane	0.967	0.020	–	2.55	0.053	–		1
Acetone	2020	2.00	–	4800	4.75	–	E	1
Trichlorofluoromethane	0.328	0.050	–	1.84	0.281	–		1
Acrylonitrile	ND	0.500	–	ND	1.08	–		1
1,1-Dichloroethene	0.052	0.020	–	0.206	0.079	–		1
Methylene chloride	6.21	1.00	–	21.5	3.47	–		1
trans-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
1,1-Dichloroethane	0.612	0.020	–	2.48	0.081	–		1
Methyl tert butyl ether	ND	0.020	–	ND	0.072	–		1
2-Butanone	7140	0.500	–	21000	1.47	–	E	1
cis-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Chloroform	ND	0.020	–	ND	0.098	–		1
1,2-Dichloroethane	0.357	0.020	–	1.44	0.081	–		1
1,1,1-Trichloroethane	ND	0.020	–	ND	0.109	–		1
Benzene	0.480	0.100	–	1.53	0.319	–		1
Carbon tetrachloride	0.076	0.020	–	0.478	0.126	–		1
1,2-Dichloropropane	ND	0.020	–	ND	0.092	–		1
Bromodichloromethane	ND	0.020	–	ND	0.134	–		1
Trichloroethene	0.062	0.020	–	0.333	0.107	–		1
cis-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1
4-Methyl-2-pentanone	ND	0.500	–	ND	2.05	–		1
trans-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-04
Client ID: MP-3
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 12:36
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	4.75	0.020	--	17.9	0.075	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	1.88	0.020	--	12.7	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	0.552	0.020	--	2.40	0.087	--		1
p/m-Xylene	1.62	0.040	--	7.01	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	0.214	0.020	--	0.911	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.655	0.020	--	2.84	0.087	--		1
Isopropylbenzene	0.541	0.500	--	2.66	2.46	--		1
1,3,5-Trimethybenzene	0.383	0.020	--	1.88	0.098	--		1
1,2,4-Trimethylbenzene	1.68	0.020	--	8.23	0.098	--		1
1,3-Dichlorobenzene	0.114	0.020	--	0.685	0.120	--		1
1,4-Dichlorobenzene	0.383	0.020	--	2.30	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: ALVAREZ HIGH SCHOOL
Lab Number: L1010920
Project Number: 14687.01
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-04
Client ID: MP-3
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 12:36
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	116		60-140
bromochloromethane	111		60-140
chlorobenzene-d5	114		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-04 D
Client ID: MP-3
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/23/10 12:33
Analyst: RY

Date Collected: 07/16/10 12:36
Date Received: 07/19/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Acetone	1380	506	–	3280	1200	–		253
2-Butanone	9280	126	–	27400	373	–		253

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-04 D
Client ID: MP-3
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 12:36
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	87		60-140
bromochloromethane	105		60-140
chlorobenzene-d5	89		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-05
Client ID: MP-4
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/23/10 02:27
Analyst: RY

Date Collected: 07/16/10 12:29
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.516	0.050	–	2.55	0.247	–		1
Chloromethane	0.718	0.500	–	1.48	1.03	–		1
Vinyl chloride	ND	0.020	–	ND	0.051	–		1
Chloroethane	0.063	0.020	–	0.166	0.053	–		1
Acetone	85.3	2.00	–	202	4.75	–	E	1
Trichlorofluoromethane	2.92	0.050	–	16.4	0.281	–		1
Acrylonitrile	ND	0.500	–	ND	1.08	–		1
1,1-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Methylene chloride	5.63	1.00	–	19.5	3.47	–		1
trans-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
1,1-Dichloroethane	ND	0.020	–	ND	0.081	–		1
Methyl tert butyl ether	ND	0.020	–	ND	0.072	–		1
2-Butanone	150	0.500	–	441	1.47	–	E	1
cis-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Chloroform	0.044	0.020	–	0.215	0.098	–		1
1,2-Dichloroethane	ND	0.020	–	ND	0.081	–		1
1,1,1-Trichloroethane	ND	0.020	–	ND	0.109	–		1
Benzene	0.216	0.100	–	0.689	0.319	–		1
Carbon tetrachloride	0.082	0.020	–	0.515	0.126	–		1
1,2-Dichloropropane	ND	0.020	–	ND	0.092	–		1
Bromodichloromethane	ND	0.020	–	ND	0.134	–		1
Trichloroethene	1.52	0.020	–	8.14	0.107	–		1
cis-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1
4-Methyl-2-pentanone	ND	0.500	–	ND	2.05	–		1
trans-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-05
Client ID: MP-4
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 12:29
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	1.59	0.020	--	5.98	0.075	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	1.60	0.020	--	10.9	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	0.046	0.020	--	0.212	0.092	--		1
Ethylbenzene	0.416	0.020	--	1.80	0.087	--		1
p/m-Xylene	1.46	0.040	--	6.36	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	0.155	0.020	--	0.660	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.606	0.020	--	2.63	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethylbenzene	0.369	0.020	--	1.81	0.098	--		1
1,2,4-Trimethylbenzene	1.65	0.020	--	8.09	0.098	--		1
1,3-Dichlorobenzene	0.331	0.020	--	1.99	0.120	--		1
1,4-Dichlorobenzene	0.477	0.020	--	2.86	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-05
Client ID: MP-4
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 12:29
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	100		60-140
bromochloromethane	113		60-140
chlorobenzene-d5	104		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-05 D
Client ID: MP-4
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/23/10 13:11
Analyst: RY

Date Collected: 07/16/10 12:29
Date Received: 07/19/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Acetone	78.2	5.00	–	186	11.9	–		2.5

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-05 D
Client ID: MP-4
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 12:29
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	108		60-140
bromochloromethane	118		60-140
chlorobenzene-d5	108		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-05 D2
Client ID: MP-4
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/24/10 16:55
Analyst: RY

Date Collected: 07/16/10 12:29
Date Received: 07/19/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
2-Butanone	131	2.50	–	386	7.37	–		5

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-05 D2
Client ID: MP-4
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 12:29
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	94		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-06 D
Client ID: MP-6
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/24/10 17:46
Analyst: RY

Date Collected: 07/16/10 12:51
Date Received: 07/19/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.604	0.378	--	2.98	1.87	--		7.553
Chloromethane	ND	3.78	--	ND	7.79	--		7.553
Vinyl chloride	ND	0.151	--	ND	0.386	--		7.553
Chloroethane	ND	0.151	--	ND	0.398	--		7.553
Acetone	4780	15.1	--	11400	35.8	--	E	7.553
Trichlorofluoromethane	ND	0.378	--	ND	2.12	--		7.553
Acrylonitrile	ND	3.78	--	ND	8.19	--		7.553
1,1-Dichloroethene	ND	0.151	--	ND	0.598	--		7.553
Methylene chloride	ND	7.55	--	ND	26.2	--		7.553
trans-1,2-Dichloroethene	ND	0.151	--	ND	0.598	--		7.553
1,1-Dichloroethane	ND	0.151	--	ND	0.611	--		7.553
Methyl tert butyl ether	ND	0.151	--	ND	0.544	--		7.553
2-Butanone	3510	3.78	--	10400	11.1	--	E	7.553
cis-1,2-Dichloroethene	ND	0.151	--	ND	0.598	--		7.553
Chloroform	ND	0.151	--	ND	0.737	--		7.553
1,2-Dichloroethane	ND	0.151	--	ND	0.611	--		7.553
1,1,1-Trichloroethane	ND	0.151	--	ND	0.824	--		7.553
Benzene	ND	0.755	--	ND	2.41	--		7.553
Carbon tetrachloride	ND	0.151	--	ND	0.950	--		7.553
1,2-Dichloropropane	ND	0.151	--	ND	0.698	--		7.553
Bromodichloromethane	ND	0.151	--	ND	1.01	--		7.553
Trichloroethene	ND	0.151	--	ND	0.811	--		7.553
cis-1,3-Dichloropropene	ND	0.151	--	ND	0.685	--		7.553
4-Methyl-2-pentanone	ND	3.78	--	ND	15.4	--		7.553
trans-1,3-Dichloropropene	ND	0.151	--	ND	0.685	--		7.553

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-06 D
Client ID: MP-6
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 12:51
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2-Trichloroethane	ND	0.151	–	ND	0.824	–		7.553
Toluene	1.47	0.151	–	5.54	0.569	–		7.553
Dibromochloromethane	ND	0.151	–	ND	1.28	–		7.553
1,2-Dibromoethane	ND	0.151	–	ND	1.16	–		7.553
Tetrachloroethene	1.48	0.151	–	10.0	1.02	–		7.553
1,1,1,2-Tetrachloroethane	ND	0.151	–	ND	1.04	–		7.553
Chlorobenzene	ND	0.151	–	ND	0.695	–		7.553
Ethylbenzene	0.332	0.151	–	1.44	0.655	–		7.553
p/m-Xylene	1.11	0.302	–	4.82	1.31	–		7.553
Bromoform	ND	0.151	–	ND	1.56	–		7.553
Styrene	ND	0.151	–	ND	0.643	–		7.553
1,1,2,2-Tetrachloroethane	ND	0.151	–	ND	1.04	–		7.553
o-Xylene	0.483	0.151	–	2.10	0.655	–		7.553
Isopropylbenzene	ND	3.78	–	ND	18.5	–		7.553
1,3,5-Trimethybenzene	0.340	0.151	–	1.67	0.742	–		7.553
1,2,4-Trimethylbenzene	1.28	0.151	–	6.27	0.742	–		7.553
1,3-Dichlorobenzene	ND	0.151	–	ND	0.907	–		7.553
1,4-Dichlorobenzene	0.226	0.151	–	1.36	0.907	–		7.553
sec-Butylbenzene	ND	3.78	–	ND	20.7	–		7.553
p-Isopropyltoluene	ND	3.78	–	ND	20.7	–		7.553
1,2-Dichlorobenzene	ND	0.151	–	ND	0.907	–		7.553
n-Butylbenzene	ND	3.78	–	ND	20.7	–		7.553

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-06 D
Client ID: MP-6
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 12:51
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	82		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	87		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-06 D2
Client ID: MP-6
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/23/10 13:49
Analyst: RY

Date Collected: 07/16/10 12:51
Date Received: 07/19/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Acetone	4930	504	--	11700	1200	--		251.8
2-Butanone	4090	126	--	12000	371	--		251.8

Project Name: ALVAREZ HIGH SCHOOL
Lab Number: L1010920
Project Number: 14687.01
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-06 D2
Client ID: MP-6
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 12:51
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	84		60-140
bromochloromethane	102		60-140
chlorobenzene-d5	92		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-07
Client ID: RT-1
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/23/10 09:49
Analyst: RY

Date Collected: 07/16/10 13:15
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.777	0.050	–	3.84	0.247	–		1
Chloromethane	0.634	0.500	–	1.31	1.03	–		1
Vinyl chloride	ND	0.020	–	ND	0.051	–		1
Chloroethane	0.025	0.020	–	0.066	0.053	–		1
Acetone	26.1	2.00	–	62.0	4.75	–		1
Trichlorofluoromethane	14.0	0.050	–	78.4	0.281	–		1
Acrylonitrile	ND	0.500	–	ND	1.08	–		1
1,1-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Methylene chloride	5.28	1.00	–	18.3	3.47	–		1
trans-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
1,1-Dichloroethane	0.027	0.020	–	0.109	0.081	–		1
Methyl tert butyl ether	ND	0.020	–	ND	0.072	–		1
2-Butanone	3.40	0.500	–	10.0	1.47	–		1
cis-1,2-Dichloroethene	0.033	0.020	–	0.131	0.079	–		1
Chloroform	0.079	0.020	–	0.385	0.098	–		1
1,2-Dichloroethane	0.027	0.020	–	0.109	0.081	–		1
1,1,1-Trichloroethane	0.527	0.020	–	2.87	0.109	–		1
Benzene	0.116	0.100	–	0.370	0.319	–		1
Carbon tetrachloride	0.095	0.020	–	0.597	0.126	–		1
1,2-Dichloropropane	ND	0.020	–	ND	0.092	–		1
Bromodichloromethane	ND	0.020	–	ND	0.134	–		1
Trichloroethene	20.8	0.020	–	112	0.107	–		1
cis-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1
4-Methyl-2-pentanone	ND	0.500	–	ND	2.05	–		1
trans-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-07
Client ID: RT-1
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 13:15
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	0.482	0.020	--	1.81	0.075	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	5.13	0.020	--	34.8	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	0.126	0.020	--	0.547	0.087	--		1
p/m-Xylene	0.377	0.040	--	1.64	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	0.078	0.020	--	0.332	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.161	0.020	--	0.698	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	0.148	0.020	--	0.727	0.098	--		1
1,2,4-Trimethylbenzene	0.542	0.020	--	2.66	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	0.197	0.020	--	1.18	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-07
Client ID: RT-1
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 13:15
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	86		60-140
chlorobenzene-d5	98		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-08
Client ID: RT-2
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/23/10 10:27
Analyst: RY

Date Collected: 07/16/10 13:51
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.497	0.050	--	2.46	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
Chloroethane	0.057	0.020	--	0.150	0.053	--		1
Acetone	17.6	2.00	--	41.6	4.75	--		1
Trichlorofluoromethane	23.4	0.050	--	131	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	4.88	1.00	--	16.9	3.47	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	1.69	0.500	--	4.99	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	0.093	0.020	--	0.454	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	0.283	0.020	--	1.54	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	0.073	0.020	--	0.459	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	16.9	0.020	--	90.6	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-08
Client ID: RT-2
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 13:51
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	0.301	0.020	--	1.13	0.075	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	2.44	0.020	--	16.5	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	0.098	0.020	--	0.425	0.087	--		1
p/m-Xylene	0.347	0.040	--	1.50	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	0.068	0.020	--	0.289	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.135	0.020	--	0.586	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	0.137	0.020	--	0.673	0.098	--		1
1,2,4-Trimethylbenzene	0.536	0.020	--	2.63	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	0.220	0.020	--	1.32	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-08
Client ID: RT-2
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 13:51
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	116		60-140
bromochloromethane	111		60-140
chlorobenzene-d5	114		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-09
Client ID: RT-3
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/23/10 11:06
Analyst: RY

Date Collected: 07/16/10 13:46
Date Received: 07/19/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.455	0.050	--	2.25	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	6.38	2.00	--	15.1	4.75	--		1
Trichlorofluoromethane	2.55	0.050	--	14.3	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	5.10	1.00	--	17.7	3.47	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	0.579	0.500	--	1.71	1.47	--		1
cis-1,2-Dichloroethene	0.021	0.020	--	0.083	0.079	--		1
Chloroform	0.109	0.020	--	0.532	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	0.174	0.020	--	0.949	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	0.075	0.020	--	0.471	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	5.95	0.020	--	32.0	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-09
Client ID: RT-3
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 13:46
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	0.376	0.020	--	1.42	0.075	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	11.8	0.020	--	80.2	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	0.124	0.020	--	0.538	0.087	--		1
p/m-Xylene	0.343	0.040	--	1.49	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	0.028	0.020	--	0.119	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.111	0.020	--	0.482	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethylbenzene	0.113	0.020	--	0.555	0.098	--		1
1,2,4-Trimethylbenzene	0.398	0.020	--	1.96	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	0.120	0.020	--	0.721	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

SAMPLE RESULTS

Lab ID: L1010920-09
Client ID: RT-3
Sample Location: PROVIDENCE, RI
Date Collected: 07/16/10 13:46
Date Received: 07/19/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	114		60-140
bromochloromethane	122		60-140
chlorobenzene-d5	112		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 07/22/10 19:23

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-09 Batch: WG424047-4								
Dichlorodifluoromethane	ND	0.050	–	ND	0.247	–		1
Chloromethane	ND	0.500	–	ND	1.03	–		1
Vinyl chloride	ND	0.020	–	ND	0.051	–		1
Chloroethane	ND	0.020	–	ND	0.053	–		1
Acetone	ND	2.00	–	ND	4.75	–		1
Trichlorofluoromethane	ND	0.050	–	ND	0.281	–		1
Acrylonitrile	ND	0.500	–	ND	1.08	–		1
1,1-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Methylene chloride	ND	1.00	–	ND	3.47	–		1
trans-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
1,1-Dichloroethane	ND	0.020	–	ND	0.081	–		1
Methyl tert butyl ether	ND	0.020	–	ND	0.072	–		1
2-Butanone	ND	0.500	–	ND	1.47	–		1
cis-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Chloroform	ND	0.020	–	ND	0.098	–		1
1,2-Dichloroethane	ND	0.020	–	ND	0.081	–		1
1,1,1-Trichloroethane	ND	0.020	–	ND	0.109	–		1
Benzene	ND	0.100	–	ND	0.319	–		1
Carbon tetrachloride	ND	0.020	–	ND	0.126	–		1
1,2-Dichloropropane	ND	0.020	–	ND	0.092	–		1
Bromodichloromethane	ND	0.020	–	ND	0.134	–		1
Trichloroethene	ND	0.020	–	ND	0.107	–		1
cis-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1
4-Methyl-2-pentanone	ND	0.500	–	ND	2.05	–		1
trans-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1010920
Report Date: 07/26/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 07/22/10 19:23

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-09 Batch: WG424047-4								
1,1,2-Trichloroethane	ND	0.020	–	ND	0.109	–		1
Toluene	ND	0.020	–	ND	0.075	–		1
Dibromochloromethane	ND	0.020	–	ND	0.170	–		1
1,2-Dibromoethane	ND	0.020	–	ND	0.154	–		1
Tetrachloroethene	ND	0.020	–	ND	0.136	–		1
1,1,1,2-Tetrachloroethane	ND	0.020	–	ND	0.137	–		1
Chlorobenzene	ND	0.020	–	ND	0.092	–		1
Ethylbenzene	ND	0.020	–	ND	0.087	–		1
p/m-Xylene	ND	0.040	–	ND	0.174	–		1
Bromoform	ND	0.020	–	ND	0.206	–		1
Styrene	ND	0.020	–	ND	0.085	–		1
1,1,2,2-Tetrachloroethane	ND	0.020	–	ND	0.137	–		1
o-Xylene	ND	0.020	–	ND	0.087	–		1
Isopropylbenzene	ND	0.500	–	ND	2.46	–		1
1,3,5-Trimethybenzene	ND	0.020	–	ND	0.098	–		1
1,2,4-Trimethylbenzene	ND	0.020	–	ND	0.098	–		1
1,3-Dichlorobenzene	ND	0.020	–	ND	0.120	–		1
1,4-Dichlorobenzene	ND	0.020	–	ND	0.120	–		1
sec-Butylbenzene	ND	0.500	–	ND	2.74	–		1
p-Isopropyltoluene	ND	0.500	–	ND	2.74	–		1
1,2-Dichlorobenzene	ND	0.020	–	ND	0.120	–		1
n-Butylbenzene	ND	0.500	–	ND	2.74	–		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 07/24/10 15:21

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 03,05-06 Batch: WG424047-9								
Dichlorodifluoromethane	ND	0.050	–	ND	0.247	–		1
Chloromethane	ND	0.500	–	ND	1.03	–		1
Vinyl chloride	ND	0.020	–	ND	0.051	–		1
Chloroethane	ND	0.020	–	ND	0.053	–		1
Acetone	ND	2.00	–	ND	4.75	–		1
Trichlorofluoromethane	ND	0.050	–	ND	0.281	–		1
Acrylonitrile	ND	0.500	–	ND	1.08	–		1
1,1-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Methylene chloride	ND	1.00	–	ND	3.47	–		1
trans-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
1,1-Dichloroethane	ND	0.020	–	ND	0.081	–		1
Methyl tert butyl ether	ND	0.020	–	ND	0.072	–		1
2-Butanone	ND	0.500	–	ND	1.47	–		1
cis-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Chloroform	ND	0.020	–	ND	0.098	–		1
1,2-Dichloroethane	ND	0.020	–	ND	0.081	–		1
1,1,1-Trichloroethane	ND	0.020	–	ND	0.109	–		1
Benzene	ND	0.100	–	ND	0.319	–		1
Carbon tetrachloride	ND	0.020	–	ND	0.126	–		1
1,2-Dichloropropane	ND	0.020	–	ND	0.092	–		1
Bromodichloromethane	ND	0.020	–	ND	0.134	–		1
Trichloroethene	ND	0.020	–	ND	0.107	–		1
cis-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1
4-Methyl-2-pentanone	ND	0.500	–	ND	2.05	–		1
trans-1,3-Dichloropropene	ND	0.020	–	ND	0.091	–		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1010920
Report Date: 07/26/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 07/24/10 15:21

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 03,05-06 Batch: WG424047-9								
1,1,2-Trichloroethane	ND	0.020	–	ND	0.109	–		1
Toluene	ND	0.020	–	ND	0.075	–		1
Dibromochloromethane	ND	0.020	–	ND	0.170	–		1
1,2-Dibromoethane	ND	0.020	–	ND	0.154	–		1
Tetrachloroethene	ND	0.020	–	ND	0.136	–		1
1,1,1,2-Tetrachloroethane	ND	0.020	–	ND	0.137	–		1
Chlorobenzene	ND	0.020	–	ND	0.092	–		1
Ethylbenzene	ND	0.020	–	ND	0.087	–		1
p/m-Xylene	ND	0.040	–	ND	0.174	–		1
Bromoform	ND	0.020	–	ND	0.206	–		1
Styrene	ND	0.020	–	ND	0.085	–		1
1,1,2,2-Tetrachloroethane	ND	0.020	–	ND	0.137	–		1
o-Xylene	ND	0.020	–	ND	0.087	–		1
Isopropylbenzene	ND	0.500	–	ND	2.46	–		1
1,3,5-Trimethylbenzene	ND	0.020	–	ND	0.098	–		1
1,2,4-Trimethylbenzene	ND	0.020	–	ND	0.098	–		1
1,3-Dichlorobenzene	ND	0.020	–	ND	0.120	–		1
1,4-Dichlorobenzene	ND	0.020	–	ND	0.120	–		1
sec-Butylbenzene	ND	0.500	–	ND	2.74	–		1
p-Isopropyltoluene	ND	0.500	–	ND	2.74	–		1
1,2-Dichlorobenzene	ND	0.020	–	ND	0.120	–		1
n-Butylbenzene	ND	0.500	–	ND	2.74	–		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1010920
Report Date: 07/26/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 Batch: WG424047-3								
Dichlorodifluoromethane	122		-		70-130	-		25
Chloromethane	128		-		70-130	-		25
Vinyl chloride	111		-		70-130	-		25
Chloroethane	113		-		70-130	-		25
Acetone	125		-		70-130	-		25
Trichlorofluoromethane	118		-		70-130	-		25
Acrylonitrile	114		-		70-130	-		25
1,1-Dichloroethene	121		-		70-130	-		25
Methylene chloride	134	Q	-		70-130	-		25
trans-1,2-Dichloroethene	119		-		70-130	-		25
1,1-Dichloroethane	109		-		70-130	-		25
Methyl tert butyl ether	132	Q	-		70-130	-		25
2-Butanone	116		-		70-130	-		25
cis-1,2-Dichloroethene	110		-		70-130	-		25
Chloroform	112		-		70-130	-		25
1,2-Dichloroethane	114		-		70-130	-		25
1,1,1-Trichloroethane	103		-		70-130	-		25
Benzene	91		-		70-130	-		25
Carbon tetrachloride	109		-		70-130	-		25
1,2-Dichloropropane	96		-		70-130	-		25
Bromodichloromethane	101		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1010920
Report Date: 07/26/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 Batch: WG424047-3								
Trichloroethene	102		-		70-130	-		25
cis-1,3-Dichloropropene	107		-		70-130	-		25
4-Methyl-2-pentanone	106		-		70-130	-		25
trans-1,3-Dichloropropene	97		-		70-130	-		25
1,1,2-Trichloroethane	106		-		70-130	-		25
Toluene	96		-		70-130	-		25
Dibromochloromethane	111		-		70-130	-		25
1,2-Dibromoethane	109		-		70-130	-		25
Tetrachloroethene	104		-		70-130	-		25
1,1,1,2-Tetrachloroethane	108		-		70-130	-		25
Chlorobenzene	107		-		70-130	-		25
Ethylbenzene	113		-		70-130	-		25
p/m-Xylene	118		-		70-130	-		25
Bromoform	124		-		70-130	-		25
Styrene	122		-		70-130	-		25
1,1,2,2-Tetrachloroethane	116		-		70-130	-		25
o-Xylene	119		-		70-130	-		25
Isopropylbenzene	115		-		70-130	-		25
1,3,5-Trimethylbenzene	128		-		70-130	-		25
1,2,4-Trimethylbenzene	133	Q	-		70-130	-		25
1,3-Dichlorobenzene	125		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1010920
Report Date: 07/26/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 Batch: WG424047-3								
1,4-Dichlorobenzene	123		-		70-130	-		25
sec-Butylbenzene	119		-		70-130	-		25
p-Isopropyltoluene	119		-		70-130	-		25
1,2-Dichlorobenzene	124		-		70-130	-		25
n-Butylbenzene	127		-		70-130	-		25
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 03,05-06 Batch: WG424047-8								
Dichlorodifluoromethane	120		-		70-130	-		25
Chloromethane	121		-		70-130	-		25
Vinyl chloride	101		-		70-130	-		25
Chloroethane	103		-		70-130	-		25
Acetone	114		-		70-130	-		25
Trichlorofluoromethane	109		-		70-130	-		25
Acrylonitrile	99		-		70-130	-		25
1,1-Dichloroethene	110		-		70-130	-		25
Methylene chloride	114		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1010920
Report Date: 07/26/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 03,05-06 Batch: WG424047-8								
trans-1,2-Dichloroethene	133	Q	-		70-130	-		25
1,1-Dichloroethane	128		-		70-130	-		25
Methyl tert butyl ether	149	Q	-		70-130	-		25
2-Butanone	103		-		70-130	-		25
cis-1,2-Dichloroethene	97		-		70-130	-		25
Chloroform	100		-		70-130	-		25
1,2-Dichloroethane	101		-		70-130	-		25
1,1,1-Trichloroethane	89		-		70-130	-		25
Benzene	78		-		70-130	-		25
Carbon tetrachloride	95		-		70-130	-		25
1,2-Dichloropropane	82		-		70-130	-		25
Bromodichloromethane	86		-		70-130	-		25
Trichloroethene	88		-		70-130	-		25
cis-1,3-Dichloropropene	91		-		70-130	-		25
4-Methyl-2-pentanone	91		-		70-130	-		25
trans-1,3-Dichloropropene	81		-		70-130	-		25
1,1,2-Trichloroethane	91		-		70-130	-		25
Toluene	85		-		70-130	-		25
Dibromochloromethane	100		-		70-130	-		25
1,2-Dibromoethane	97		-		70-130	-		25
Tetrachloroethene	96		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1010920
Report Date: 07/26/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 03,05-06 Batch: WG424047-8								
1,1,1,2-Tetrachloroethane	97		-		70-130	-		25
Chlorobenzene	96		-		70-130	-		25
Ethylbenzene	101		-		70-130	-		25
p/m-Xylene	106		-		70-130	-		25
Bromoform	111		-		70-130	-		25
Styrene	108		-		70-130	-		25
1,1,2,2-Tetrachloroethane	105		-		70-130	-		25
o-Xylene	107		-		70-130	-		25
Isopropylbenzene	103		-		70-130	-		25
1,3,5-Trimethylbenzene	115		-		70-130	-		25
1,2,4-Trimethylbenzene	119		-		70-130	-		25
1,3-Dichlorobenzene	112		-		70-130	-		25
1,4-Dichlorobenzene	111		-		70-130	-		25
sec-Butylbenzene	107		-		70-130	-		25
p-Isopropyltoluene	107		-		70-130	-		25
1,2-Dichlorobenzene	112		-		70-130	-		25
n-Butylbenzene	114		-		70-130	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1010920
Report Date: 07/26/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG424047-5 QC Sample: L1010920-06 Client ID: MP-6						
Acetone	4930	4430	ppbV	11		25
2-Bulanone	4090	3560	ppbV	14		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1010920
Report Date: 07/26/10

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG424047-5 QC Sample: L1010920-06 Client ID: MP-6						
Dichlorodifluoromethane	0.604	0.702	ppbV	15		25
Chloromethane	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
Chloroethane	ND	0.196	ppbV	NC		25
Acetone	4780E	5610	ppbV	16	E	25
Trichlorofluoromethane	ND	0.378	ppbV	NC		25
Acrylonitrile	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	3510E	3810	ppbV	8	E	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Chloroform	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Benzene	ND	ND	ppbV	NC		25
Carbon tetrachloride	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1010920
Report Date: 07/26/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG424047-5 QC Sample: L1010920-06 Client ID: MP-6					
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	1.47	1.53	ppbV	4	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	1.48	1.55	ppbV	5	25
1,1,1,2-Tetrachloroethane	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	0.332	0.355	ppbV	7	25
p/m-Xylene	1.11	1.20	ppbV	8	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	0.483	0.536	ppbV	10	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1010920
Report Date: 07/26/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG424047-5 QC Sample: L1010920-06 Client ID: MP-6					
Isopropylbenzene	ND	ND	ppbV	NC	25
1,3,5-Trimethybenzene	0.340	0.408	ppbV	18	25
1,2,4-Trimethylbenzene	1.28	1.62	ppbV	23	25
1,3-Dichlorobenzene	ND	0.159	ppbV	NC	25
1,4-Dichlorobenzene	0.226	0.272	ppbV	18	25
sec-Butylbenzene	ND	ND	ppbV	NC	25
p-Isopropyltoluene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
n-Butylbenzene	ND	ND	ppbV	NC	25

Project Name: ALVAREZ HIGH SCHOOL **Lab Number:** L1010920

Project Number: 14687.01 **Report Date:** 07/26/10

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Cleaning Batch ID	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Out mL/min	Flow In mL/min	% RSD
L1010920-01	IMP-2	0446	#90 SV		-	-	71	73	3
L1010920-01	IMP-2	376	2.7L Can	I1010362	-29.3	-8.7	-	-	-
L1010920-02	IMP-1	0001	#90 SV		-	-	67	71	6
L1010920-02	IMP-1	463	2.7L Can	I1010362	-28.8	-4.8	-	-	-
L1010920-03	MP-1	0435	#90 SV		-	-	71	75	5
L1010920-03	MP-1	1743	2.7L Can	I1010362	-29.4	-6.4	-	-	-
L1010920-04	MP-3	0268	#90 SV		-	-	71	75	5
L1010920-04	MP-3	118	2.7L Can	I1010362	-28.9	-7.2	-	-	-
L1010920-05	MP-4	0150	#90 SV		-	-	67	69	3
L1010920-05	MP-4	395	2.7L Can	I1010362	-29.0	-7.7	-	-	-
L1010920-06	MP-6	0152	#90 SV		-	-	69	78	12
L1010920-06	MP-6	388	2.7L Can	I1010362	-28.8	-10.1	-	-	-
L1010920-07	RT-1	518	2.7L Can	I1010362	-29.6	-2.9	-	-	-
L1010920-08	RT-2	455	2.7L Can	I1010362	-29.3	-3.6	-	-	-
L1010920-09	RT-3	460	2.7L Can	I1010362	-28.8	-1.7	-	-	-

Project Name: BATCH CANISTER CERTIFICATION ***Lab Number:*** L1010362

Project Number: CANISTER QC BAT ***Report Date:*** 07/26/10

Air Canister Certification Results

Lab ID: L1010362-01
Client ID: CAN 395 SHELF 7
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 07/09/10 19:35
Analyst: RY

Date Collected: 07/08/10 00:00
Date Received: 07/08/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.200	--	ND	0.344	--		1
Propane	ND	0.200	--	ND	0.606	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.988	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.776	--		1
Chloroethane	ND	0.200	--	ND	0.527	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.841	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.14	--		1
Acetone	ND	1.00	--	ND	2.37	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1010362
Report Date: 07/26/10

Air Canister Certification Results

Lab ID: L1010362-01
Client ID: CAN 395 SHELF 7
Sample Location:

Date Collected: 07/08/10 00:00
Date Received: 07/08/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Methylene chloride	ND	1.00	–	ND	3.47	–		1
3-Chloropropene	ND	0.200	–	ND	0.626	–		1
Carbon disulfide	ND	0.200	–	ND	0.622	–		1
Freon-113	ND	0.200	–	ND	1.53	–		1
trans-1,2-Dichloroethene	ND	0.200	–	ND	0.792	–		1
1,1-Dichloroethane	ND	0.200	–	ND	0.809	–		1
Methyl tert butyl ether	ND	0.200	–	ND	0.720	–		1
Vinyl acetate	ND	0.200	–	ND	0.704	–		1
2-Butanone	ND	0.200	–	ND	0.589	–		1
cis-1,2-Dichloroethene	ND	0.200	–	ND	0.792	–		1
Ethyl Acetate	ND	0.500	–	ND	1.80	–		1
Chloroform	ND	0.200	–	ND	0.976	–		1
Tetrahydrofuran	ND	0.200	–	ND	0.589	–		1
2,2-Dichloropropane	ND	0.200	–	ND	0.923	–		1
1,2-Dichloroethane	ND	0.200	–	ND	0.809	–		1
n-Hexane	ND	0.200	–	ND	0.704	–		1
Diisopropyl ether	ND	0.200	–	ND	0.835	–		1
tert-Butyl Ethyl Ether	ND	0.200	–	ND	0.835	–		1
1,1,1-Trichloroethane	ND	0.200	–	ND	1.09	–		1
1,1-Dichloropropene	ND	0.200	–	ND	0.907	–		1
Benzene	ND	0.200	–	ND	0.638	–		1
Carbon tetrachloride	ND	0.200	–	ND	1.26	–		1
Cyclohexane	ND	0.200	–	ND	0.688	–		1
tert-Amyl Methyl Ether	ND	0.200	–	ND	0.835	–		1
Dibromomethane	ND	0.200	–	ND	1.42	–		1
1,2-Dichloropropane	ND	0.200	–	ND	0.924	–		1
Bromodichloromethane	ND	0.200	–	ND	1.34	–		1
1,4-Dioxane	ND	0.200	–	ND	0.720	–		1

Project Name: BATCH CANISTER CERTIFICATION ***Lab Number:*** L1010362

Project Number: CANISTER QC BAT ***Report Date:*** 07/26/10

Air Canister Certification Results

Lab ID: L1010362-01 Date Collected: 07/08/10 00:00

Client ID: CAN 395 SHELF 7 Date Received: 07/08/10

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.819	--		1
2,4,4-trimethyl-1-pentene	ND	0.500	--	ND	2.29	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.819	--		1
2,4,4-trimethyl-2-pentene	ND	0.500	--	ND	2.29	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.753	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.923	--		1
2-Hexanone	ND	0.200	--	ND	0.819	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.37	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.920	--		1
Ethylbenzene	ND	0.200	--	ND	0.868	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.06	--		1
Styrene	ND	0.200	--	ND	0.851	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.868	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.982	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1010362
Report Date: 07/26/10

Air Canister Certification Results

Lab ID: L1010362-01
Client ID: CAN 395 SHELF 7
Sample Location:

Date Collected: 07/08/10 00:00
Date Received: 07/08/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Bromobenzene	ND	0.200	--	ND	1.28	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
n-Propylbenzene	ND	0.200	--	ND	0.982	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.982	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.982	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.982	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.03	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION ***Lab Number:*** L1010362

Project Number: CANISTER QC BAT ***Report Date:*** 07/26/10

Air Canister Certification Results

Lab ID: L1010362-01 Date Collected: 07/08/10 00:00

Client ID: CAN 395 SHELF 7 Date Received: 07/08/10

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	89		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1010362
Report Date: 07/26/10

Air Canister Certification Results

Lab ID: L1010362-01
Client ID: CAN 395 SHELF 7
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/09/10 19:35
Analyst: RY

Date Collected: 07/08/10 00:00
Date Received: 07/08/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.403	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1010362
Report Date: 07/26/10

Air Canister Certification Results

Lab ID: L1010362-01
Client ID: CAN 395 SHELF 7
Sample Location:

Date Collected: 07/08/10 00:00
Date Received: 07/08/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.020	--	ND	0.075	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1010362
Report Date: 07/26/10

Air Canister Certification Results

Lab ID: L1010362-01
Client ID: CAN 395 SHELF 7
Sample Location:

Date Collected: 07/08/10 00:00
Date Received: 07/08/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Project Name: BATCH CANISTER CERTIFICATION ***Lab Number:*** L1010362

Project Number: CANISTER QC BAT ***Report Date:*** 07/26/10

Air Canister Certification Results

Lab ID: L1010362-01 Date Collected: 07/08/10 00:00

Client ID: CAN 395 SHELF 7 Date Received: 07/08/10

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	83		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	89		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1010920
Report Date: 07/26/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal
Cooler
N/A Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1010920-01A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1010920-02A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1010920-03A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1010920-04A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1010920-05A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1010920-06A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1010920-07A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1010920-08A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1010920-09A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name: ALVAREZ HIGH SCHOOL **Lab Number:** L1010920

Project Number: 14687.01 **Report Date:** 07/26/10

GLOSSARY

Acronyms

EPA · Environmental Protection Agency.

LCS · Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD · Laboratory Control Sample Duplicate: Refer to LCS.

MDL · Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS · Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD · Matrix Spike Sample Duplicate: Refer to MS.

NA · Not Applicable.

NC · Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI · Not Ignitable.

RL · Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD · Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A · Spectra identified as "Aldol Condensation Product".

B · The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

D · Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E · Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

H · The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I · The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.

P · The RPD between the results for the two columns exceeds the method-specified criteria.

Q · The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R · Analytical results are from sample re-analysis.

Report Format: Data Usability Report

Project Name:	ALVAREZ HIGH SCHOOL	**Lab Number:**	L1010920
Project Number:	14687.01	**Report Date:**	07/26/10

Data Qualifiers

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: ALVAREZ HIGH SCHOOL **Lab Number:** L1010920
Project Number: 14687.01 **Report Date:** 07/26/10

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised July 19, 2010 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, EPA 120.1, SM2510B, EPA 245.1, EPA 150.1, EPA 160.2, SM2540D, EPA 335.2, SM2540G, EPA 180.1. Organic Parameters: EPA 625, 608.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045, 9014. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 120.1, 150.1, 160.2, 180.1, 200.8, 245.1, 310.1, 335.2, 608, 625, 1631, 3010, 3015, 3020, 6020, 9010, 9014, 9040, SM2320B, 2510B, 2540D, 2540G, 4500CN-E, 4500H-B, Organic Parameters: EPA 3510, 3580, 3630, 3640, 3660, 3665, 5030, 8015 (mod), 3570, 8081, 8082, 8260, 8270,)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7196, 7470, 7471, 7474, 9010, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015 (mod), EPA 3570, 1311, 3050, 3051, 3060, 3580, 3630, 3640, 3660, 3665, 5035, 8081, 8082, 8260, 8270.)

Biological Tissue (Inorganic Parameters: EPA 6020. Organic Parameters: EPA 3570, 3510, 3610, 3630, 3640, 8270.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA030.

Non-Potable Water (Inorganic Parameters: SM4500H+B. Organic Parameters: EPA 624.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 200.8, 245.1, 1631E, 120.1, 150.1, 180.1, 310.1, 335.2, 160.2, SM2540D, 2540G, 4500CN-E, 4500H+B, 2320B, 2510B. Organic Parameters: EPA 625, 608.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, 3015, 6020, SM2320B, EPA 200.8, SM2540C, 2540D, 2540G, EPA 120.1, SM2510B, EPA 180.1, 245.1, 1631E, SW-846 9040B, 6020, 9010B, 9014 Organic Parameters: EPA 608, 625, SW-846 3510C, 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 9010B, 9014, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 9045C, 9060. Organic Parameters: SW-846 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 3570, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610B, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 310.1, SM2320B, EPA 365.2, 160.1, EPA 160.2, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 335.2, 9014, 150.1, 9040B, 120.1, SM2510B, EPA 376.2, 180.1, 9010B. Organic Parameters: EPA 624, 8260B, 8270C, 608, 8081A, 625, 8082, 3510C, 3511, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, SW-846 Ch7 Sec 7.3, EPA 6020, 7196A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 3050B, 3580, 3050B, 3035, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. ***NELAP Accredited via LA-DEQ.***

Refer to MA-DEP Certificate for Non-Potable Water.

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. ***NELAP Accredited.***

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

U.S. Army Corps of Engineers

Department of Defense Certificate/Lab ID: L2217.01.

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312,3051, 6020, 747A, 7474, 9045C,9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580, 3570, 3540C, 5035, 8260B, 8270C, 8270 Alk-PAH, 8082, 8081A, 8015 (SHC), 8015 (DRO).

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **8270C:** Biphenyl.

Serial_No:07261016:23

AIR ANALYSIS

PAGE 1 OF 1

ALPHA ANALYTICAL — CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd In Lab:

ALPHA Job #: L1010920

Client Information

Client: EA Engineering
Address: 2350 Post Rd
Warwick, RI 02886
Phone: (401) 736-3440
Fax:
Email: rmack@eaest.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Alvarez School
Project Location: Providence, RI
Project #: 14682.01
Project Manager: Frank Postma
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☑ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)
Ron Mack
rmack@eaest.com

Billing Information

☐ Same as Client Info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria
CT	Target indoor AIR Concentrations	

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
10920.1	IMP-2	7/16	1020	1146	-30+	-10	SV	PT/DA		376	0446			X					0 ppb
2	IMP-2		1039	1109	-30+	-6				463	0001								0 ppb
3	MP-1		1140	1209	-30	-10				1743	0435								4.01 ppm
4	MP-3		1205	1236	-30	-9				118	0268								25.5 ppm
5	MP-4		1201	1229	-29	-6				395	0450								0.28 ppb
6	MP-6		1226	1251	-30+	-11				388	0152								47.1 ppm
7	RT-1		1315		-19	-3				518	—								256 ppb
8	RT-2		1351		-25	-4				455	—								239 ppb
9	RT-3		1546	103	-19	-3				460	—								503 ppb

*SAMPLE MATRIX CODES: AA = Ambient Air (Indoor/Outdoor); SV = Soil Vapor/Landfill Gas/SVE; Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
P. Gillen	7/19/10 14:24	P. Gillen	7/19/10 14:25
	7/19/10 17:00		7/19/10 1700

Form No: 101-02 (19-Jun-08)

Appendix E

Laboratory Reporting Limits Correspondence

July 26, 2010

To: Ron Mack
EA Engineering, Science, & Technology
2350 Post Road
Warwick, RI 02886

From: Katie O'Brien
Alpha Analytical
320 Forbes Blvd
Mansfield, MA 01581

Re: TO15 SIM Reporting Limits

Dear Ron,

As we communicated prior to the TO-15 SIM analyses completed for the Alvarez High School air samples collected on July 16th; the SIM Reporting Limits achieved for the following compounds are the lowest that we can currently achieve at Alpha. Please note that these reporting limits are above the Draft Proposed CT RSR (Residential) Criteria for these compounds:

1,2-Dichloroethane SIM RL = 0.08 ug/m3
Ethylene Dibromide (a.k.a. 1,2-Dibromoethane) SIM RL = 0.15 ug/m3
1,1,1,2- Tetrachloroethane SIM RL = 0.14 ug/m3
1,1,2,2-Tetrachloroethane SIM RL = 0.14 ug/m3
Bromodichloromethane SIM RL = 0.13 ug/m3

Please don't hesitate to contact me at 508-844-4156 if you have any questions.

Best Regards,

Katie O'Brien