EA Engineering, Science, and Technology, Inc.

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11 January 2011

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. 13
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 September 2010 and November 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. 13

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

January 2011
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. 13 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 September 2010 through November 2010 (Quarterly Reporting Period No. 13) 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. 12 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 -0.18 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 November 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 February 2011.

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 15 October 2010. The outdoor ambient sample was collected from the southeast corner 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.

In July 2010, 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. The methylene chloride concentrations ranged 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 indicated that the LCS recovery for methylene chloride (132%) was outside of the acceptable range (70% - 130%) which would bias the data high. Additionally, the presence of methylene chloride in the outdoor air indicated the source is unrelated to the subsurface impacts.

In October 2010, methylene chloride was again detected within three rooms (Cafeteria, Gymnasium, and Room 145at concentrations exceeding the State of Connecticut's Draft Proposed Indoor Residential Targeted Air Concentration of 3.0 $\mu g/m^3$. The methylene chloride concentrations ranged from 4.44 to 5.84 $\mu g/m^3$. Based on this data, Alpha Analytical laboratory offered to analyze additional samples to confirm the presence or absence of methylene chloride in these areas.

In November 2010, EA collected ambient indoor air samples in the three rooms that exhibited methylene chloride concentrations in exceedance of the 3.0 $\mu g/m^3$ standard in October. Analytical results indicate similar concentrations of methylene chloride in two of the rooms

(Cafeteria and Room 145 at 3.570 and 5.770 μg/m^3, respectively) and an increase in the third room (Gymnasium at 11.600 μg/m^3).

Methylene chloride is a common laboratory contaminant as it is used to perform extractions for analysis of semivolatile organic compounds. This fact, coupled with the absence of methylene chloride in historical groundwater analytical data and in October 2010 subslab vapor data, indicates that vapor intrusion is not occurring from the underlying soils and the detections originate from a source within the school or within the laboratory. The Occupational Safety and Health Administration (OSHA) has set the Permissible Exposure Limit (PEL) (8-hour time weighted average) for methylene chloride at 25 parts per million, equal to 86,750 μg/m^3.

EA proposes to collect duplicate samples sent to two different laboratories to determine if laboratory contamination is the source of the methylene chloride. Additionally, EA proposes to collect two samples on the second floor of the school to determine if a source exists in this area (i.e. chemistry laboratory or other classroom). Finally, EA will request summa canisters that are Certified Clean from the laboratory to further limit potential sources of the contaminant. RIDEM has also requested to collect a duplicate sample within the school with EA during the next sampling event in January 2011.

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 0.408 and 0.559 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 are installed 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 15 October 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.

Analytical data from the previous year of subslab vapor sampling indicates VOC rebound may be occurring. Historical maximum concentrations of tetrachloroethene have been identified in 7 of 11 of the subslab vapor points in the most recent sampling of the respective sampling point

(July or October 2010). Concentrations of tetrachloroethene within indoor air remain consistent with historical concentrations and remain well below the 5.0 ug/m^3 standard. This further illustrates controlled prevention of soil vapors from entering the school. No other site specific compounds of concern have been detected at historic maximum concentrations in the most recent sampling rounds.

These trends will be monitored closely and compared to indoor air concentrations to ensure subslab vapor intrusion is not occurring within the Alvarez High School.

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 in July 2010 and was summarized in correspondence submitted to RIDEM in October 2010. Please refer to the previously submitted Quarterly Status Report No. 12 (dated October 2010) for more details regarding the rooftop VOC data. The 2011 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 C.

2.6 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, methylene chloride, present above the CT RTACs in consecutive sampling rounds. Therefore, EA proposes to collect duplicate samples in the rooms where these exceedances were detected and analyze these samples at two different laboratories to determine if laboratory contamination is the source. Additionally, EA proposes to collect two samples on the second floor of the school to determine if a source exists in this area (i.e. chemistry laboratory). Finally, EA will request summa canisters that are Certified Clean from the laboratory to further limit potential sources of the contaminant. RIDEM has also requested to collect a duplicate sample within the school.

- Methylene chloride is a common laboratory contaminant as it is used to perform extractions for analysis of semivolatile organic compounds. This fact, coupled with the absence of methylene chloride in historical groundwater analytical data, leads EA to the position that subslab vapor intrusion is not occurring and the detections originate from a source within the school or within the laboratory.

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

- The data indicates historic high concentrations of tetrachloroethene within subslab vapor at the school. However, tetrachloroethene concentrations within indoor air at the school remain consistent with historic concentrations and well below the 5.0 ug/m^3 standard.

- 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.

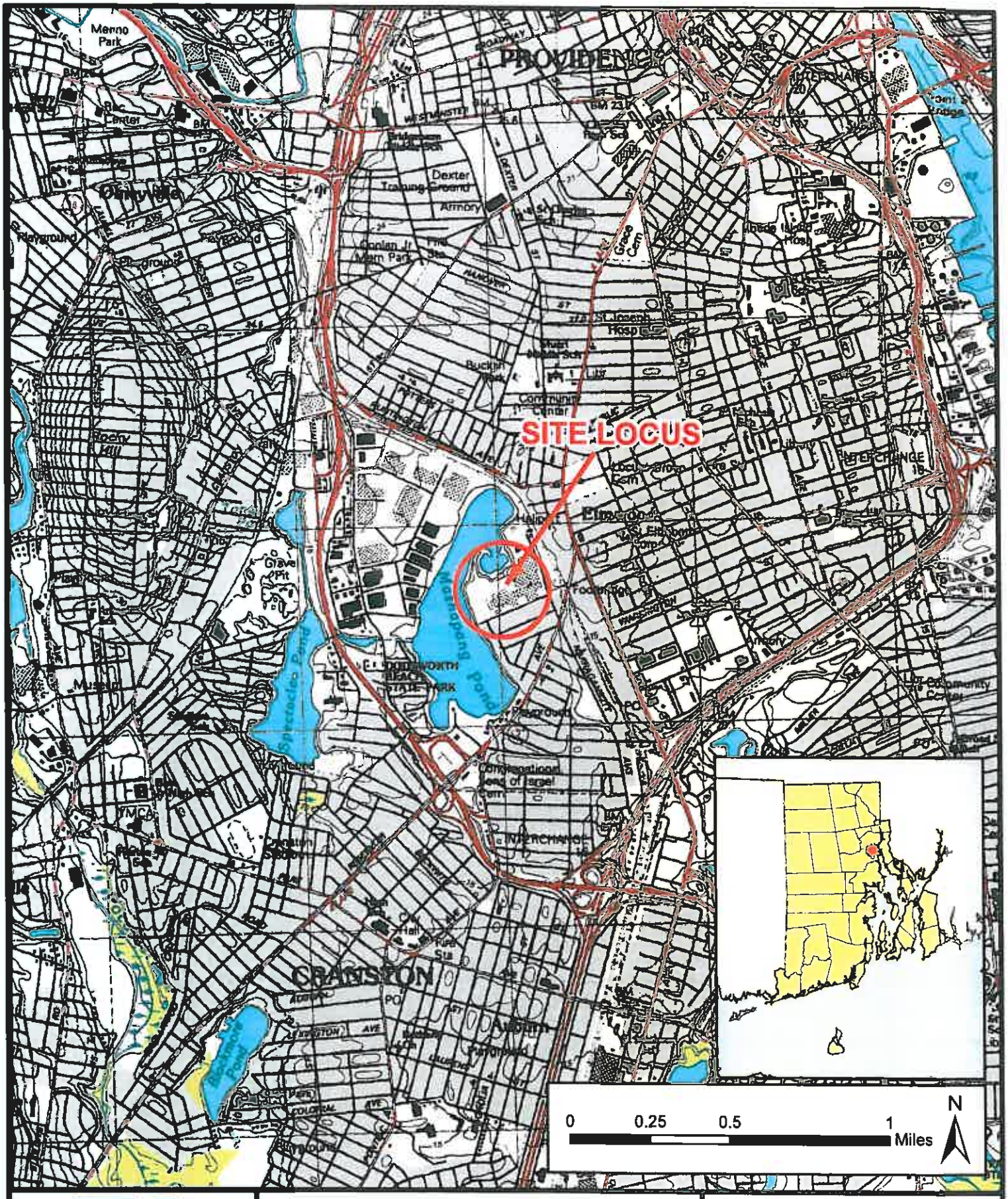
3. FUTURE ACTIVITIES AND NEXT QUARTERLY SUMMARY REPORT

The following activities will be completed in accordance with the Amended OA during the next quarterly status reporting period ending 28 February 2011:

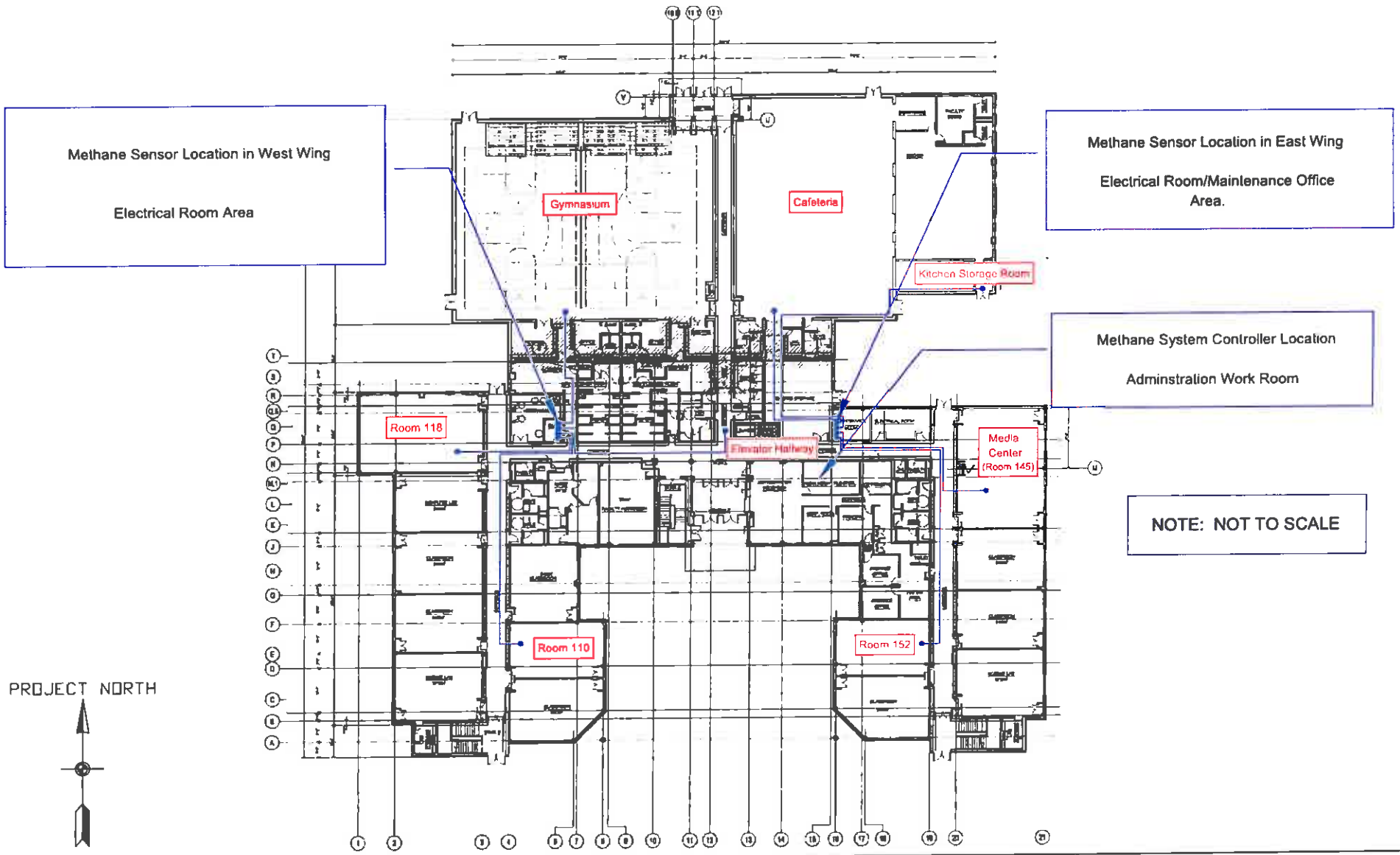
- Continuous monitoring of the operational status of the three rooftop fans
- Monthly site inspections and monitoring using a photoionization detector with part-per-billion sensitivity
- Collection of air samples from eight indoor locations, one ambient location, and six subslab monitoring points in January 2011.
- Collection of indoor air and subslab vapor samples for three consecutive months in the locations corresponding to the recurring methylene chloride detections.

These activities will be summarized in the next status report (Quarterly Status Report No. 14), expected to be submitted by the end of March 2011.

Figures



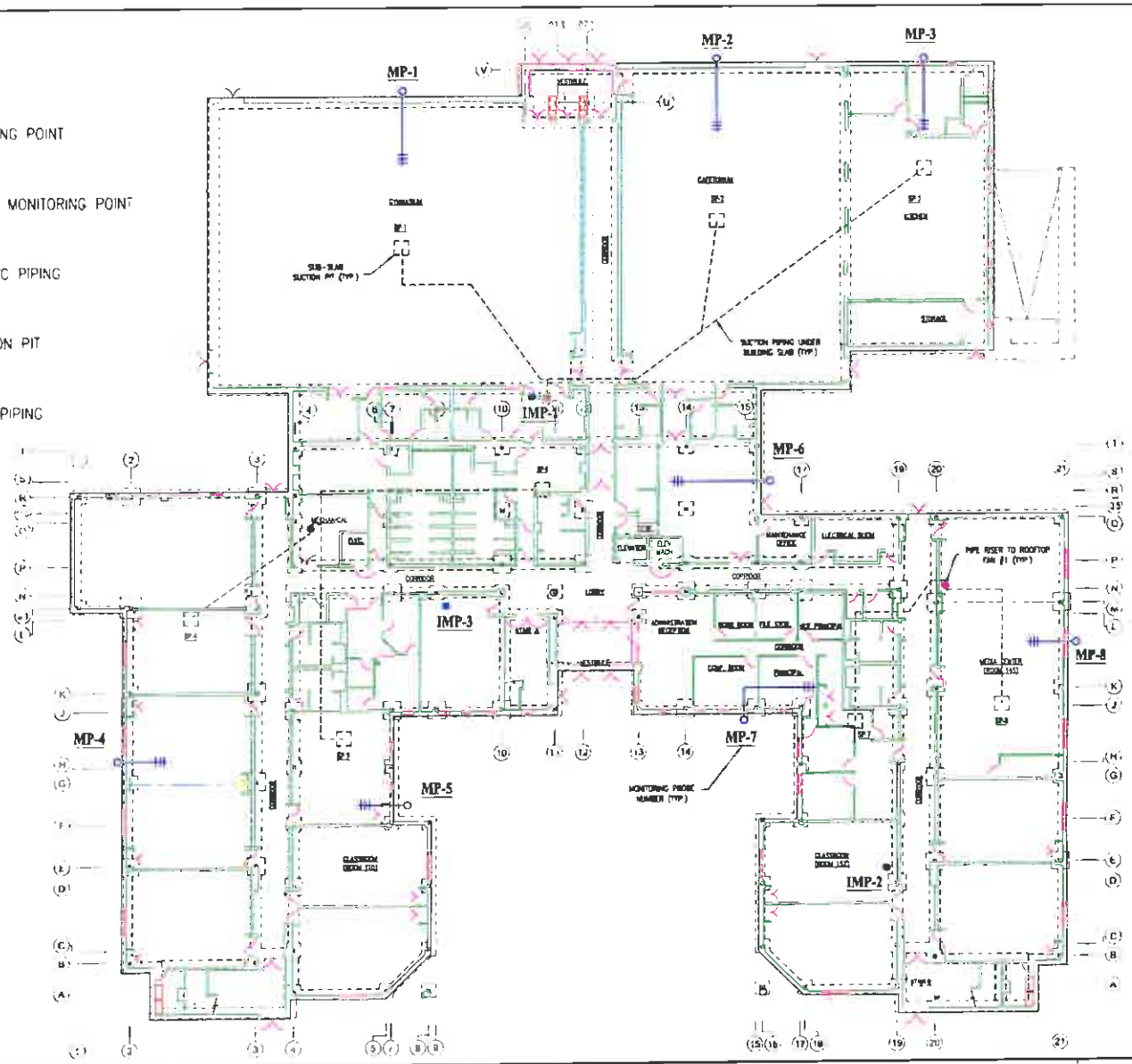
EA	ALVAREZ HIGH SCHOOL 333 ADELAIDE AVENUE PROVIDENCE, RHODE ISLAND					FIGURE 1 SITE LOCUS	
PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	FILE NO:
FP	PT	PT	FP	1:24,000	FEBRUARY 2010	14687.01	SITE_LOCUS.MXD



DESIGNED BY	DRAWN BY	DATE	PROJECT NO.	FILE NAME	INDOOR AIR SAMPLING AND METHANE MONITORING SYSTEM DIAGRAM - GORHAM HIGH SCHOOL PROVIDENCE, RHODE ISLAND	QUARTERLY STATUS REPORT FIGURE 2
PMG	PMG	4-3-07	61965 01	Gorham Layout		
CHECKED BY	PROJECT MGR.	SCALE	DRAWING NO.	FIGURE		
PMG	PMG	NTS	–	N/A		

LEGEND:

MP-1	SUB-SLAB MONITORING POINT
IMP-1	INTERIOR SUB-SLAB MONITORING POINT
——#——	SLOTTED 1 INCH PVC PIPING
SP1	SSD SYSTEM SUCTION PIT
- - - - - -	SOLID 4 INCH PVC PIPING



DESIGNED BY	DRAWN BY	DATE	PROJECT NO	FILE NAME	AS-BUILT SUB SLAB MONITORING AND SAMPLING LOCATIONS ALVAREZ HIGH SCHOOL PROVIDENCE, RHODE ISLAND	QUARTERLY STATUS REPORT FIGURE 3
PMG	DMA	AUG 27 2007	14687 01	FIG 3		
CHECKED BY	PROJECT MGR	SCALE	DRAWING NO	FIGURE		
PMG	PMG	NTS	N/A	3		

Appendix A

O&M Field Forms

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

Date of O&M. 9/30/2010 Performed by: P. Theroux

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

Date of last Methane Sensor Filter Replacement Aug-10 Replaced this O&M Visit? no (yes/no)

General Status of SSD System: Operational

General Status of Methane Monitoring System Operational

Eng Cap/Fence Inspection Performed/Notes: Cap and fence were observed in good condition.

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							
Cafetena	NA	NA	0	0	0	0							
Kitchen Storage Room	NA	NA	65	0	0	0							
Elevator Hallway	NA	NA	0	0	0	0							
Room 145	NA	NA	0	0	0	0							
Room 152	NA	NA	0	0	0								
Room 118	NA	NA	0	0	0	0							
Room 110	NA	NA	0	0	0	0							
MP-1	-0.07	NA	851	NA	0	0							
MP-2	-0.08	NA	6,590	NA	0	0							
MP-3	-0.11	NA	30.57 ppm	NA	0	0							
MP-4	-0.07	NA	24.03 ppm	NA	0	0							
MP-5	-0.09	NA	1,429	NA	0	0							
MP-6	-0.07	NA	24.16 ppm	NA	0	0							
MP-7	-0 04	NA	320	NA	0	0							
MP-8	-0 12	NA	1,915	NA	0	0							
IMP-1	-0.06	NA	0	NA	0	0							
IMP-2	-0 03	NA	528	NA	0	0							
IMP-3	-0.03	NA	91	NA	0	0							
Roof-Top Fan 1	-2	2,968	241	NA	0	0							
Roof-Top Fan 2	-2	2,179	285	NA	0	0							
Roof-Top Fan 3	-2 4	2,362	116	NA	0	0							
Ambient Outdoor Air	NA	NA	0	NA	0	0							Weather: clear, 70s.

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: 10/15/2010 Performed by: P Theroux and D Anderson

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

Date of last Methane Sensor Filter Replacement: Aug-10 Replaced this O&M Visit? No (yes/no)

General Status of SSD System: Online

General Status of Methane Monitoring System: Online

Eng Cap/Fence Inspection Performed/Notes: (take photographs of any deficiencies noted)

Monitoring/ Sampling Location	Sub-slab or gauge vacuum	Air Velocity (fpm)	VOC Monitoring	Methane Monitoring			Air/Vapor Sample Collection						Comments/Notes (Ambient weather conditions, status of HVAC, possible monitoring/sampling interferences, etc .... continue on separate sheet 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	1533	0232	0727	-26	0757	-6	
Cafeteria	NA	NA	0	0	0	0	705	0003	0728	-30+	0759	-8	
Kitchen Storage Room	NA	NA	0	0	0	0	1699	0329	0729	-20	0800	-5	
Elevator Hallway	NA	NA	0	0	0	0	1607	0342	0738	-30	0807	-7	
Room 145	NA	NA	12	0	0	0	768	0365	0742	-30+	0810	-9	
Room 152	NA	NA	15	0	0	0	694	0371	0743	-28	0809	-5	
Room 118	NA	NA	0	0	0	0	1668	0298	0748	-30	0816	-8	
Room 110	NA	NA	12	0	0	0	625	157	0749	-27	0817	-5	
MP-1	0.18	NA	150	NA	0	0	-	-	-	-	-	-	
MP-2	0.07	NA	188	NA	0	0	213	0180	0913	-30	0943	-5	
MP-3	0.07	NA	10.3ppm	NA	0	0	-	-	-	-	-	-	
MP-4	0.10	NA	0	NA	0	0	-	-	-	-	-	-	
MP-5	0.06	NA	55	NA	0	0	193	092	1012	-30+	1040	-16	Gauge blocking needle from moving
MP-6	0.06	NA	409	NA	0	0	-	-	-	-	-	-	
MP-7	0.02	NA	87	NA	0	0	556	165	1005	-30+	1033	-9	
MP-8	0.10	NA	75	NA	0	0	259	0314	0957	-28	1026	-5	
IMP-1	0.03	NA	196	NA	0	0	198	331	0846	-29	0918	-2	
IMP-2	0.04	NA	40	NA	0	0	-	-	-	-	-	-	
IMP-3	0.03	NA	256	NA	0	0	155	0023	0853	-30	0923	-2	
Roof-Top Fan 1	1.9	1032	0	NA	0	0	-	-	-	-	-	-	
Roof-Top Fan 2	2.0	1850	0	NA	0	0	-	-	-	-	-	-	
Roof-Top Fan 3	2.7	1061	0	NA	0	0	-	-	-	-	-	-	
Ambient Outdoor Air	NA	NA	0	NA	0	0	623	159	0920	-30+	0950	-7	

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 11/30/2010 Performed by D Anderson

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

Date of last Methane Sensor Filter Replacement Aug-10 Replaced this O&M Visit? yes (yes/no)

General Status of SSD System: Operational

General Status of Methane Monitoring System: Operational

Eng. Cap/Fence Inspection Performed/Notes: In-tact

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	16	0	0	0	969	0321	13:10	-30	13:40	-1	Occuppied
Cafetena	NA	NA	30	0	0	0	975	0032	12 05	-29 5	12 35	-1	Occuppied
Kitchen Storage Room	NA	NA	12	0	0	0							
Elevator Hallway	NA	NA	8	0	0	0							
Room 145	NA	NA	28	0	0	0	1634	0325	12 40	-30	12 40	-1	Occuppied
Room 152	NA	NA	0	0	0								
Room 118	NA	NA	0	0	0	0							
Room 110	NA	NA	0	0	0	0							
MP-1	-0.06	NA	752	NA	0	0							
MP-2	-0.09	NA	2,678	NA	0	0							
MP-3	-0 1	NA	5.6ppm	NA	0	0							
MP-4	-0.05	NA	3 8ppm	NA	0	0							
MP-5	-0 08	NA	866	NA	0	0							
MP-6	-0 08	NA	10.7ppm	NA	0	0							
MP-7	-0 04	NA	448	NA	0	0							
MP-8	-0.1	NA	788	NA	0	0							
IMP-1	-0 04	NA	10	NA	0	0							
IMP-2	-0.02	NA	974	NA	0	0							
IMP-3	-0 02	NA	87	NA	0	0							
Roof-Top Fan 1	-2 2	2,146	382	NA	0	0							
Roof-Top Fan 2	-2 4	2,286	175	NA	0	0							
Roof-Top Fan 3	-2.4	2,452	98	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

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

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/Interim REM-Approved Action Level	Kitchen Storage Rm	Qual	Cafeteria	Qual	Gymnasium	Qual	Elevator Hallway	Qual	Room 118	Qual	Room 110	Qual	Media Crit (Rm 145)	Qual	Room 152	Qual	Ambient Outdoor	Qual
Dichloromethane	6-Feb-08		1.860		1.880		1.890		1.890		1.830		1.840		1.890		1.890		2.020	
	27-Mar-08		2.420		2.380		2.280		2.110		2.800		2.560		2.700		2.070		2.210	
	25-Apr-08		2.080		2.100		2.010		2.170		2.030		1.890		2.080		2.030		1.880	
	29-May-08		1.700		1.830		1.540		1.780		1.830		1.610		1.760		1.800		1.560	
	27-Jun-08		2.280		2.280		2.170		2.330		2.240		2.220		2.270		2.230		2.220	
	31-Jul-08		2.030		2.020		1.870		1.870		1.910		1.920		1.870		1.800		1.850	
	26-Aug-08		3.800		2.870		2.820		2.870		2.820		2.800		2.800		2.880		2.770	
	30-Sep-08		2.500		2.700		2.500	U	2.500	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	2.500		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	3.400		2.500	U	2.500	U	2.500	U	2.500	U
	18-Dec-08	910	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	1.000		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		2.220		2.190		2.120		2.090		2.220		2.180		2.080		2.120		2.130	
	29-Apr-09		2.500		2.290		2.480		2.320		2.280		2.320		2.380		2.380		2.180	
	22-Jul-09		3.140		3.130		2.970		3.090		2.780		3.170		2.880		2.960		3.130	
	9-Oct-09		2.290		2.580		2.300		2.320		2.300		2.280		2.300		2.290		2.210	
	15-Jan-10		27.800		2.550		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		2.310		2.240	
	16-Jul-10		2.480		2.980		2.430		2.820		3.890		2.480		2.580		2.480		2.740	
	15-Oct-10		2.480		2.410		2.580		2.400		2.470		2.410		2.450		2.450		2.630	
	30-Nov-10		NS		2.480		2.550		NS		NS		NS		2.360		NS		NS	
Chloroform	6-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		2.820		2.440	U	2.440	U	2.440	U	2.440	U	3.020		2.440	U	3.140		2.440	U
	29-May-08		2.790		3.000		3.100		11.000		2.840		8.280		8.420		2.770		2.440	U
	27-Jun-08		2.850		2.440	U	2.440	U	2.830		3.260		2.820		2.440	U	2.500		2.440	U
	31-Jul-08		3.560		3.880		3.330		4.370		3.440		3.740		2.440	U	2.440	U	2.440	U
	26-Aug-08		2.440		3.140		5.510		6.880		3.150		2.440	U	2.540		2.540		2.440	U
	30-Sep-08		1.400		1.300		1.100		1.400		1.000	U	1.700		1.600		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	140	1.000	U	1.000	U	1.000	U	1.400		1.000	U	1.000	U	1.000	U	1.300	U	1.000	U
	21-Jan-09		1.000	U	1.000	U	1.000	U	1.500		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		1.000	U	1.000	U	1.100		1.000	U
	26-Mar-09		2.490		2.680		2.550		2.820		2.910		2.440	U	2.440	U	2.440	U	2.440	U
	29-Apr-09		2.710		2.910		3.800		3.730		3.130		2.880		3.380		2.880		2.510	
	22-Jul-09		2.870		2.520		2.880		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		3.880		2.820		3.180		3.240		3.630		3.120		3.750		2.600	
	21-Apr-10		2.590		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		1.880		1.050		1.090		1.880		1.110		1.300		1.100		1.510	
	15-Oct-10		1.080		1.080		1.030	U	1.050	U	1.030	U	1.030	U	1.030	U	1.030	U	1.030	U
	30-Nov-10		NS		1.030	U	1.030	U	NS		NS		NS		1.030	U	NS		NS	
Vinyl chloride*	6-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
	26-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		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	01	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	1.080	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	0.054	U	0.051	U	0.051	U	0.051	U	0.054	U	0.051	U	0.051	U	0.051	U
	15-Oct-10		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U
	30-Nov-10		NS		0.051	U	0.051	U	NS		NS		NS		0.051	U	NS		NS	
Chloroethane	6-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		0.052		0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.051	U	0.053	U
	25-Apr-08		0.053	U	0.053	U	0.053	U	0.053	U	0.053		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	0.050	U	0.051	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
	26-Aug-08		0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U
	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	5000	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
	15-Oct-10		0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U
	30-Nov-10		NS		0.053	U	0.053	U	NS		NS		NS		0.053	U	NS		NS	

Date Modified 1/7/2011

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

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/Interim RDEM 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
Acetone	8-Feb-08		20.200		8.240		4.750	U	4.750	U	8.670		8.080		4.750	U	4.750		4.750	U
	27-Mar-08 [1]		578.000		168.000		135.000		89.800		24.700		38.300		78.700		47.400		5.870	
	25-Apr-08		61.700		12.900		18.000		15.100		14.600		16.600		12.900		17.100		6.670	
	29-May-08		19.500		18.000		12.800		18.200		10.600		17.200		13.200		11.600		7.480	
	27-Jun-08		87.800		23.000		20.500		37.700		28.600		29.000		28.000		29.600		19.700	
	31-Jul-08		32.200		17.200		20.800		18.800		23.600		20.000		18.600		23.900		20.000	
	28-Aug-08		33.100		21.100		21.500		25.600		27.000		52.400		29.100		23.800		37.000	
	30-Sep-08		38.400		10.400		7.800		11.200		44.600		29.900		18.600		55.800		8.800	
	27-Oct-08		56.200		23.100		14.800		24.100		15.900		26.500		34.100		25.100		109.000	
	25-Nov-08		21.300		8.200		5.300		14.000		15.800		8.700		8.900		10.000		7.000	
	18-Dec-08	180.0	38.300		18.500		18.600		21.500		23.100		41.900		22.000		28.600		40.000	
	21-Jan-09		5.300		2.400		2.400	U	3.600		5.600		5.000		3.300		4.000		2.400	U
	25-Feb-09		2.400	U	2.900		2.400	U	NS		8.800		5.000		3.800		4.100		2.400	U
	26-Mar-09		34.400		10.700		6.820		11.300		13.800		12.000		10.500		12.000		8.820	
	29-Apr-09		4.750	U	5.700		7.230		8.240		18.200		9.420		7.570		8.610		7.700	
	22-Jul-09		2.370	U	13.100		16.700		11.700		26.900		29.400		17.100		19.400		11.000	
	9-Oct-09		18.500		10.100		8.220		11.000		15.500		12.000		10.600		11.600		8.570	
	15-Jan-10		11.900		8.180		5.080		9.700		7.320		7.270		5.280		8.110		6.190	
	21-Apr-10		26.700		22.000		23.200		23.200		19.300		19.900		21.800		20.500		4.980	
	16-Jul-10		28.200		18.500		13.800		18.100		56.900		24.900		40.700		18.000		14.300	
	15-Oct-10		32.700		8.180		4.750	U	11.500		7.380		6.010		5.530		8.890		7.630	
	30-Nov-10		NS		13.200		13.000		NS		NS		NS		8.460		NS		NS	
Trichlorofluoromethane	8-Feb-08		1.140		1.020		1.110		1.090		0.990		1.080		1.040		1.020		1.080	
	27-Mar-08		1.740		1.520		1.540		1.250		2.320		2.120		2.140		1.210		1.190	
	25-Apr-08		1.140		1.880		1.240		1.840		1.480		1.520		1.880		1.500		1.030	
	29-May-08		1.020		0.930		0.870		1.080		0.930		0.930		0.930		0.910		0.880	
	27-Jun-08		1.240		1.220		1.290		1.300		1.180		1.190		1.170		1.180		1.180	
	31-Jul-08		1.080		1.100		1.010		1.010		1.010		1.010		1.000		0.973		0.928	
	28-Aug-08		2.740		3.380		3.470		5.280		3.880		3.420		3.380		3.880		2.310	
	30-Sep-08		2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U
	27-Oct-08		2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U
	25-Nov-08		2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U
	18-Dec-08	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
	21-Jan-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
	25-Feb-09		1.220		1.180		1.180		1.140		1.230		1.190		1.120		1.130		1.180	
	26-Mar-09		1.490		1.170		0.051	U	1.270		1.190		1.190		1.270		1.290		1.190	
	29-Apr-09		1.950		1.820		1.82		1.800		1.830		2.050		1.540		1.900		2.120	
	22-Jul-09		1.520		1.830		1.610		0.019		1.620		1.310		1.410		1.430		1.180	
	9-Oct-09		11.900		1.280		1.210		1.290		1.210		1.290		1.220		1.270		1.240	
	15-Jan-10		4.190		3.780		2.540		3.200		3.900		5.400		2.900		3.180		1.280	
	21-Apr-10		1.470		1.470		1.480		1.470		2.180		1.470	U	1.470		1.470		1.580	
	16-Jul-10		1.410		1.360		1.360		1.360		1.360		1.300		1.320		1.340		1.490	
	15-Oct-10		NS		1.520		1.490		NS		NS		NS		1.340		NS		NS	
	30-Nov-10																			
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
	29-Apr-09		1.080	U	1.080	U	2.740	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U
	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
	15-Oct-10		1.080	U	0.108	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U	1.080	U
	30-Nov-10		NS		1.080	U	1.080	U	NS		NS		NS		1.080	U	NS		NS	
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
	29-Apr-09		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.111		0.079	U	0.079	U
	22-Jul-09		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
	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	0.079	U	0.079	U	0.079	U	0.079	U
	16-Jul-10		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
	15-Oct-10		NS		0.079	U	0.079	U	NS		NS		NS		0.079	U	NS		NS	
	30-Nov-10																			

Date Modified 1/7/2011

Summary of Indoor Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
Feb 2008 - November 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
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	2.210		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	1.240	U	5.210		1.740	U	8.640		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	10	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		2.100		1.850		3.230		4.060		1.980		11.800	
	29-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
	8-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		23.300		16.900		13.900		19.900		48.200		49.700		22.700		20.800	
	15-Oct-10		3.470	U	4.440		4.510		3.470	U	3.470	U	3.470	U	5.840		3.470	U	3.470	U
	30-Nov-10		NS		3.570		11.800		NS		NS		NS		5.770		NS		NS	
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	0.079	U	0.080	U	0.080	U	0.079	U
	31-Jul-08		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
	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	370	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	0.078	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
	29-Apr-09		0.079	U	0.079	U	0.081	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	0.078	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
	8-Oct-09		0.079	U	0.079	U	0.078	U	0.078	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	0.078	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	0.078	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
	16-Jul-10		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.078	U	0.078	U
	15-Oct-10		0.078	U	0.079	U	0.078	U	0.079	U	0.078	U	0.078	U	0.079	U	0.079	U	0.078	U
	30-Nov-10		NS		0.079	U	0.078	U	NS		NS		NS		0.078	U	NS		NS	
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	770	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
	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
	8-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
	15-Oct-10		0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U
	30-Nov-10		NS		0.081	U	0.081	U	NS		NS		NS		0.081	U	NS		NS	
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		0.089		0.088		0.102		0.090		0.072	U
	25-Apr-08		0.116		0.118		0.107		0.127		0.128		0.131		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		0.095		0.130		0.123		0.123		0.091		0.108		0.115		0.089		0.094	
	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	180 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
	29-Apr-09		0.072	U	0.072	U	0.360		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	0.188	
	8-Oct-09		0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U
	15-Jan-10		0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U
	21-Apr-10		0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U
	16-Jul-10		0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U
	15-Oct-10		0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U
	30-Nov-10		NS		0.072	U	0.072	U	NS		NS		NS		0.072	U	NS		NS	

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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	Entrance Hallway	Qual	Room 118	Qual	Room 110	Qual	Media Crsr (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		8.540		6.540		5.830		5.140		3.850		4.440		6.820		5.660		1.470	U
	25-Apr-08		2.140		1.470	U	3.170		1.470	U	1.470	U	1.470	U	1.470	U	1.470	U	1.470	U
	29-May-08		1.470	U	1.470	U	2.840		2.240		1.470	U	1.470	U	1.470	U	1.470	U	1.470	U
	27-Jun-08		7.850		2.520		3.610		3.850		3.050		2.420		2.840		2.340		1.080	
	31-Jul-08		2.080		1.720		3.060		1.830		2.080		2.160		1.470	U	1.490	U	1.470	U
	30-Sep-08		2.280		1.780		3.820		3.980		1.470	U	1.470	U	1.470	U	1.470	U	1.890	
	30-Sep-08		1.500	U	1.500	U	1.500	U	1.500	U	2.200		1.500	U	1.500	U	8.100	U	1.500	U
	27-Oct-08		1.900		3.200		1.500	U	3.600		1.500	U	2.000		1.500		2.300		2.600	
	25-Nov-08		2.600		1.500		1.500	U	1.500		1.500	U	1.500	U	2.900	U	1.500	U	1.400	
	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	1.900	U	0.079	U	NS		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	1.890		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	U	1.470	U	1.470	U
	22-Jul-09		1.470	U	1.470	U	4.750		1.470	U	2.070		21.900		1.740		1.480		4.380	
	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		6.810		1.470	U	1.470	U	1.470		1.470		1.470	U	1.470	U	1.470	U	1.470	U
	21-Apr-10		1.850		1.470	U	2.770		1.590		1.480		1.470	U	1.470	U	1.470	U	1.470	U
	16-Jul-10		2.520		1.900		2.100		2.210		3.180		2.800		24.800		1.870		1.830	
	15-Oct-10		4.300		1.470	U	1.470	U	1.470	U	1.470	U	1.470	U	1.470	U	1.470	U	0.021	
	30-Nov-10		NS		1.470	U	1.470	U	NS		NS		NS		1.470	U	NS		NS	
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	0.100	U	0.080		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	0.079	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	0.078	U	0.082	U	0.079	U	0.090	
	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	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		0.079	U	0.079	U	0.078	U	0.079	U
	29-Apr-09		0.079	U	0.078	U	0.078	U	0.078	U	0.079	U	0.078	U	0.078	U	0.079	U	0.078	U
	22-Jul-09		0.079	U	0.078	U	0.079	U	0.078	U	0.078	U	0.127		0.078	U	0.079	U	0.079	U
	9-Oct-09		0.079	U	0.079	U	0.079	U	0.078	U	0.079	U	0.078	U	0.078	U	0.079	U	0.079	U
	15-Jan-10		0.079	U	0.079	U	0.078	U	0.078	U	0.079	U	0.079	U	0.078	U	0.078	U	0.079	U
	21-Apr-10		0.079	U	0.780		0.079	U	0.078	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
	16-Jul-10		0.079	U	0.079	U	0.079	U	0.078	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
	15-Oct-10		0.079	U	0.079	U	0.079	U	0.078	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
	30-Nov-10				0.079	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		0.650		0.583		0.523		0.410		0.337		0.605		0.583		0.088	U
	25-Apr-08		0.188		0.210		0.181		0.122		0.125		0.134		0.110		0.130		0.088	U
	29-May-08		0.110		0.190		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		0.198		0.200		0.245		0.223		0.167	
	31-Jul-08		0.230		0.151		0.158		0.194		0.204		0.227		0.088	U	0.108		0.088	U
	28-Aug-08		0.342		0.573		0.298		0.312		0.289		0.602		0.289		0.271		0.265	
	30-Sep-08		0.490	U	0.490	U	0.490	U	0.490	U	0.490	U	0.490	U	0.490	U	0.490	U	0.490	U
	27-Oct-08		0.490	U	0.490	U	0.490	U	0.490	U	0.490	U	0.490	U	0.490	U	0.490	U	0.490	U
	25-Nov-08		0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U
	18-Dec-08	0.5	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	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U
	25-Feb-09		0.240	U	0.240	U	0.240	U	NS		0.240	U	0.240	U	0.240	U	0.240	U	0.240	U
	26-Mar-09		0.236		0.142		0.110		0.115		0.133		0.118		0.088	U	0.108		0.108	
	29-Apr-09		0.180		0.122		0.088	U	0.102		0.102		0.098	U	0.148		0.088	U	0.088	U
	22-Jul-09		0.229		0.151		0.168		0.141		0.205		0.180		0.148		0.171		0.139	
	9-Oct-09		0.576		0.088	U	0.263		0.302		0.263		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		0.070	
	21-Apr-10		0.156		0.790		0.205		0.771		0.138		0.141		1.480		0.224		0.088	U
	16-Jul-10		0.317		0.248		0.141		0.161		0.190		0.141		0.258		0.158		0.132	
	15-Oct-10		0.263		0.195		0.088	U	0.102		0.088	U	0.088	U	0.107	U	0.088	U	0.088	
	30-Nov-10		NS		0.234		0.112		NS		NS		NS		0.088	U	NS		NS	
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		0.080	U	0.080	U	0.176		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	0.150		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	NS		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	25-Feb-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
	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
	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	0.182		0.081	U
	15-Jan-10		0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.087	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	NS		NS	
	15-Oct-10		NS		0.081	U	0.081	U	NS		NS		NS							
	30-Nov-10																			

Date Modified 1/7/2011

Summary of Indoor Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
Feb 2008 - November 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 Crtr (Rm 145)	Qual	Room 152	Qual	Ambient Outdoor	Qual
1,1,1-Trichloroethane	6-Feb-08		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	27-Mar-08		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
	25-Apr-08		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
	29-May-08		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	27-Jun-08		0.110	U	0.110	U	0.110	U	0.110	U	0.108	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	0.108	U	0.109	U	0.109	U	0.108	U	0.109	U
	28-Aug-08		0.108	U	0.109	U	0.108	U	0.109	U	0.109	U	0.108	U	0.109	U	0.109	U	0.109	U
	10-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	0.109	U	0.109	U	0.109	U	0.108	U	0.108	U	1.090		0.109	U	0.109	U
	29-Apr-09		0.120		0.109	U	0.109	U	0.109	U	0.108	U	0.151		0.229		0.174		0.272	
	22-Jul-09		0.109	U	0.109	U	0.109	U	0.108	U	0.108	U	0.108	U	0.109	U	0.108	U	0.109	U
	9-Oct-09		0.109	U	0.109	U	0.109	U	0.108	U	0.108	U	0.109	U	0.109	U	0.109	U	0.109	U
	15-Jan-10		0.108	U	0.109	U	0.108	U	0.108	U	0.108	U	0.109	U	0.109	U	0.109	U	0.109	U
	21-Apr-10		0.108	U	0.109	U	0.108	U	0.108	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	0.108	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
	15-Oct-10		0.108	U	0.109	U	1.090	U	0.108	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
	30-Nov-10		NS		0.108	U	0.108	U	NS		NS		NS		0.108	U	NS		NS	
Benzene	6-Feb-08		0.810		0.840		0.730		0.780		0.810		0.800		0.750		0.790		0.870	
	27-Mar-08		1.420		1.350		1.800		1.420		0.216		2.130		1.730		1.880		0.372	
	25-Apr-08		1.380		1.300		0.836		1.400		1.150		1.270		1.130		1.120		0.413	
	29-May-08		0.370		0.430		0.300		0.400		0.300		0.430		0.410		0.310		0.230	
	27-Jun-08		0.831		0.803		0.869		0.844		0.657		0.804		0.849		0.582		0.728	
	31-Jul-08		0.568		0.477		0.419		0.451		0.528		0.495		0.378		0.390		0.425	
	28-Aug-08		1.180		1.110		1.010		0.953		0.955		1.080		1.080		1.020		1.290	
	10-Sep-08		1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	0.704	1.800	U	1.800	U
	27-Oct-08		2.120		1.800	U	1.800	U	1.800	U	1.800	U	1.800		1.800	U	1.800		1.800	
	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	3.3	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		1.840		1.740		1.850		1.540		2.210		0.318		1.860		2.590	
	29-Apr-09		0.584		0.358		0.332		0.332		0.303		0.358		1.480		0.318		0.351	
	22-Jul-09		0.826		0.546		0.842		0.574		0.852		1.580		1.480		1.090		4.330	
	9-Oct-09		1.130		0.954		0.803		0.878		0.819		1.090		1.070		0.896		1.100	
	15-Jan-10		1.870		1.510		1.340		1.480		1.420		1.450		1.540		1.530		1.370	
	21-Apr-10		1.020		1.320		1.060		1.380		1.270		1.210		1.230		1.240		0.335	
	16-Jul-10		0.319	U	0.319	U	0.319	U	0.319	U	0.319	U	0.319	U	0.485		0.319	U	0.319	U
	15-Oct-10		0.319	U	0.319	U	0.319	U	0.319	U	0.319	U	0.319	U	0.318	U	0.318	U	0.319	U
	30-Nov-10		NS		0.514		0.584		NS		NS		NS		0.412		NS		NS	
Carbon tetrachloride	6-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		0.588		0.585	
	25-Apr-08		0.438		0.438		0.405		0.441		0.448		0.439		0.485		0.450		0.416	
	29-May-08		0.470		0.470		0.450		0.470		0.480		0.460		0.520		0.480		0.480	
	27-Jun-08		0.544		0.539		0.528		0.534		0.528		0.539		0.555		0.547		0.537	
	31-Jul-08		0.526		0.532		0.528		0.554		0.554		0.542		0.564		0.561		0.557	
	28-Aug-08		0.552		0.549		0.551		0.545		0.566		0.559		0.556		0.572		0.551	
	10-Sep-08		0.499		0.446		0.404		0.497		0.461		0.250	U	0.491		0.531		0.547	
	27-Oct-08		0.370		0.510		0.283		0.450		0.280		0.510		0.270		0.480		0.480	
	25-Nov-08		0.400		0.400		0.400		0.440		0.470		0.350		0.370		0.470		0.470	
	18-Dec-08	6.5	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		0.490		0.570		0.540		0.620	
	25-Feb-09		0.360		0.190		0.380		NS		4.000		0.400		0.410		0.400		0.440	
	26-Mar-09		0.588		0.582		0.542		0.581		0.584		0.581		0.588		0.542		0.604	
	29-Apr-09		0.534		0.522		0.597		0.534		0.528		0.622		0.578		0.588		0.515	
	22-Jul-09		0.597		0.593		0.585		0.597		0.585		0.585		0.578		0.585		0.581	
	9-Oct-09		0.603		0.588		0.471		0.497		0.471		0.487		0.478		0.484		0.478	
	15-Jan-10		0.585		0.603		0.578		0.587		0.585		0.810		0.616		0.810		0.635	
	21-Apr-10		0.490		0.547		0.588		0.484		0.128	U	0.458		0.530		0.490		0.484	
	16-Jul-10		0.487		0.503		0.484		0.528		0.485		0.547		0.484		0.484		0.541	
	15-Oct-10		0.458		0.427		0.509		0.434		0.440		0.408		0.453		0.448		0.503	
	30-Nov-10		NS		0.478		0.588		NS		NS		NS		0.484		NS		NS	
1,2-Dichloropropane	6-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	0.082	U	0.080	U	0.080	U	0.080	U	0.080	U	0.082	U	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
	10-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	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	25-Nov-08		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	18-Dec-08	0.13	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		0.082	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
	15-Oct-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
	30-Nov-10		NS		0.082	U	0.082	U	NS		NS		NS		0.082	U	NS		NS	

Date Modified 1/7/2011

Summary of Indoor Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
Feb 2008 - November 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		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Ctr (Rm 145)		Room 152		Ambient Outdoor	
				Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		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	0.211		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
	15-Oct-10		0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	NS		NS	
	30-Nov-10		NS		0.134	U	0.134	U	NS		NS		NS							
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		0.238		0.233		0.238		0.229		0.525		0.308		0.217		0.170		0.107	U
	25-Apr-08		0.107	U	0.164		0.147		0.272		0.151		0.152		0.158		0.229		0.107	U
	29-May-08		0.110	U	0.110	U	0.110	U	0.107	U	0.110	U	0.110	U	0.110	U	0.134	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		0.185		0.107	U
	31-Jul-08		0.113		0.107	U	0.107	U	0.107	U	0.107	U	0.107	U	0.107	U	0.107	U	0.107	U
	28-Aug-08		0.183		0.198		0.107	U	0.107	U	0.148		0.134		0.110		0.107	U	0.838	
	30-Sep-08		0.800	U	0.800	U	0.800	U	0.800	U	0.800	U	0.800	U	0.800	U	0.800	U	0.800	U
	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	0.110	U
	26-Mar-09		4.000		0.528		1.510		0.438		0.839		1.180		1.810		0.450		4.870	
	29-Apr-09		0.107	U	0.107	U	1.340		0.107	U	0.107	U	0.107	U	0.107	U	0.107	U	0.107	U
	22-Jul-09		0.177		0.107		0.188		0.123		0.183		0.709		0.140		0.177		0.209	
	9-Oct-09		0.231		0.215		0.182		0.183		0.242		0.158		0.136		0.158		0.107	U
	15-Jan-10		0.107		0.107		0.913		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		0.419		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
	15-Oct-10		0.107	U	0.107	U	0.107	U	0.107	U	0.107	U	0.107	U	0.107	U	0.107	U	0.107	U
	30-Nov-10		NS		0.107	U	0.107	U	NS		NS		NS		0.109	U	NS		NS	
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
	15-Oct-10		0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	NS		NS	
	30-Nov-10		NS		0.091	U	0.091	U	NS		NS		NS							
4-Methyl-2-pentanone	8-Feb-08		2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U
	27-Mar-08		2.050	U	2.105	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U
	25-Apr-08		2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U
	29-May-08		2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U
	27-Jun-08		2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U
	31-Jul-08		2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U
	28-Aug-08		2.050	U	2.050	U	2.050	U	2.540		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		2.400		2.000	U	2.000	U	2.000	U	2.000	U
	26-Mar-09		2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U
	29-Apr-09		2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U
	22-Jul-09		2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U
	9-Oct-09		2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U
	15-Jan-10		2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U
	21-Apr-10		2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U
	16-Jul-10		2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U	2.050	U
	15-Oct-10		2.050	U	2.050	U	2.050	U	NS		NS		NS		2.050	U	NS		NS	
	30-Nov-10		NS		2.050	U	2.050	U												

Date Modified 1/7/2011

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

Volatile Organic Compounds via TO 15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/Irvine RIDEM-Approved Action Level	Kitchen Storage Rm	Qual	Cafeteria	Qual	Gymnasium	Qual	Elevator Hallway	Qual	Room 116	Qual	Room 110	Qual	Media Ctr (Rm 14F)	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	0.080	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		0.080	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	0.540		0.080	U	0.091	U
	31-Jul-08		0.080	U	0.080	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
	27-Oct-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	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
	15-Oct-10		0.091	U	0.092	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U
	30-Nov-10		NS		0.091	U	0.091	U	NS		NS		NS		0.091	U	NS		NS	
1 1 2 Trichloroethane	8-Feb-08		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	27-Mar-08		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.112	U	0.109	U	0.109	U
	25-Apr-08		0.108	U	0.108	U	0.108	U	0.108	U	0.108	U	0.108	U	0.108	U	0.108	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	0.115	U	0.110	U	0.110	U
	27-Jun-08		0.109	U	0.109	U	0.109	U	0.110	U	0.110	U	0.110	U	0.302		0.108	U	0.110	U
	31-Jul-08		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
	28-Aug-08		0.108	U	0.108	U	0.108	U	0.108	U	0.108	U	0.108	U	0.108	U	0.108	U	0.108	U
	30-Sep-08		0.110	U	0.110	U	0.300		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	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
	22-Jul-09		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
	9-Oct-09		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
	15-Jan-10		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
	21-Apr-10		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
	16-Jul-10		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
	15-Oct-10		0.109	U	1.090	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
	30-Nov-10		NS		0.109	U	0.109	U	NS		NS		NS		0.109	U	NS		NS	
Toluene	8-Feb-08		1.240		1.140		1.120		1.150		1.240		0.890		0.910		1.030		1.480	
	27-Mar-08		6.470		4.040		4.520		4.150		5.920		5.910		4.240		4.040		1.580	
	25-Apr-08		4.800		4.000		2.810		3.800		3.790		4.070		4.010		3.860		0.465	
	29-May-08		0.830		0.780		1.830		1.330		0.870		1.060		1.020		0.870		0.520	
	27-Jun-08		3.670		3.060		3.200		3.850		4.110		3.840		4.520		3.020		2.410	
	31-Jul-08		2.790		2.220		2.660		1.860		2.720		2.200		1.865		1.440		1.850	
	28-Aug-08		5.230		5.960		7.800		7.530		5.870		5.840		5.680		5.240		6.050	
	30-Sep-08		1.900	U	1.900	U	2.500		1.900	U	5.000		1.900	U	1.900	U	2.300		1.900	U
	27-Oct-08		6.700		6.200		3.900		8.100		2.300		5.500		3.800		6.800		8.400	
	25-Nov-08		5.900		1.900	U	1.900	U	2.000		1.900	U	1.900		1.900	U	1.900	U	1.900	U
	18-Dec-08	2100	1.900	U	1.900	U	1.900	U	1.800	U	1.900	U	1.900	U	1.900	U	1.900	U	1.900	U
	21-Jan-09		1.900	U	1.900	U	1.900	U	1.900	U	1.900	U	1.900	U	1.900	U	1.900	U	1.900	U
	25-Feb-09		1.900	U	1.900	U	1.900	U	NS		1.900	U	1.900	U	1.900	U	1.900	U	1.900	U
	26-Mar-09		6.110		4.060		3.860		3.540		3.900		4.730		5.870		8.060		5.310	
	29-Apr-09		0.779		0.585		0.079	U	0.704		1.050		0.585		0.614		0.610		0.853	
	22-Jul-09		1.550		1.210		2.540		1.130		1.150		1.410		3.890		7.870		8.850	
	9-Oct-09		4.740		3.880		4.180		3.900		4.500		4.170		4.220		4.080		4.560	
	15-Jan-10		1.820		1.580		1.520		1.880		1.580		1.540		1.820		1.630		2.680	
	21-Apr-10		4.770		6.810		5.220		7.430		4.490		4.140		4.030		3.900		0.414	
	16-Jul-10		2.070		1.210		1.180		1.560		2.290		1.570		3.260		1.330		0.887	
	15-Oct-10		7.230		0.818		0.585		0.715		0.501		0.358		0.585		0.312		0.625	
	30-Nov-10		NS		1.260		1.200		NS		NS		NS		0.825		NS		NS	
Dibromochloromethane	8-Feb-08		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U
	27-Mar-08		0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U
	25-Apr-08		0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U
	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	0.096	U	0.100	U	0.308		0.100	U	0.096	U
	31-Jul-08		0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U
	28-Aug-08		0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U
	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		0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U
	29-Apr-09		0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U
	22-Jul-09		0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U
	9-Oct-09		0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U
	15-Jan-10		0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U
	21-Apr-10		0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U
	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
	15-Oct-10		0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U
	30-Nov-10		NS		0.170	U	0.170	U	NS		NS		NS		0.170	U	NS		NS	

Date Modified 1/7/2011

Summary of Indoor Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
Feb 2008 - November 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	Quali	Cafeteria	Quali	Gymnasium	Quali	Elevator Hallway	Quali	Room 118	Quali	Room 110	Quali	Media Ctr (Rm 145)	Quali	Room 152	Quali	Ambient Outdoor	Quali
1,2-Dibromoethane (EDB)	6-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	0.429		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	0.00280.19	0.150	U	0.150	U	0.260		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	0.190	U	NS		0.150	U	0.150	U	0.150	U	0.150	U	0.150	U
	26-Mar-09		0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U
	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
	8-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
	15-Oct-10		0.154	U	0.154	U	0.154	U	NS		NS		NS		0.154	U	NS		NS	
	30-Nov-10		NS		0.154	U	0.154	U												
Tetrachloroethene	6-Feb-08		0.140		0.140	U	0.140	U	0.150		0.140	U	0.140	U	0.140	U	0.140	U	0.150	
	27-Mar-08		12.900		8.850		13.300		18.100		24.000		7.730		23.700		4.310		0.153	
	25-Apr-08		0.180		0.254		0.179		0.262		0.231		0.278		0.226		0.298		0.138	U
	29-May-08		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	27-Jun-08		0.249		0.449		0.387		0.499		0.474		0.243		0.480		0.248		0.216	
	31-Jul-08		1.030		1.000		0.877		0.880		0.795		0.872		0.252		0.287		0.154	
	28-Aug-08		0.321		0.387		0.265		0.323		0.274		0.434		0.294		0.212		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	8.0	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	3.400	U	3.400	U	3.400	U
	26-Mar-09		1.530		1.210		1.170		0.880		1.080		1.520		1.420		1.890		1.380	
	29-Apr-09		0.138	U	0.138	U	0.887		0.138	U	0.138	U	0.138	U	0.138	U	0.138	U	0.138	U
	22-Jul-09		0.299		0.190		0.224		0.186		0.198		0.186		0.183		0.210		0.539	
	8-Oct-09		2.250		1.550		1.580		1.580		1.380		1.700		2.080		1.980		0.779	
	15-Jan-10		0.359		0.348		0.339		0.373		0.312		3.480		3.540		0.312		2.490	
	21-Apr-10		0.837		0.752		0.440		0.820		0.508		0.447		0.407		0.474		0.562	
	16-Jul-10		0.318		0.420		0.420		0.427		0.501		0.230		0.447		0.474		0.230	
	15-Oct-10		0.138	U	0.138	U	0.138	U	0.138		0.138	U	0.138	U	0.138	U	0.138	U	0.142	
	30-Nov-10		NS		0.461		0.281		NS		NS		NS		0.188		NS		NS	
1,1,1,2-Tetrachloroethane	6-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	0.178		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	0.137	U	0.140	U
	27-Oct-08		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	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	0.00240.14	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	0.140	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
	15-Oct-10		0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	NS		NS	
	30-Nov-10		NS		0.137	U	0.137	U	NS		NS		NS							
Chlorobenzene	6-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	0.090	U	0.082	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	27.0	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
	8-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
	15-Oct-10		0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	0.082	U	NS		NS	
	30-Nov-10		NS		0.082	U	0.082	U	NS		NS		NS							

Date Modified 1/7/2011

Summary of Indoor Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
Feb 2008 - November 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
Ethylbenzene	8-Feb-08		0.260		0.230		0.620		0.450		0.250		0.170		0.180		0.180		0.220	
	27-Mar-08		0.841		0.869		1.020		0.969		0.894		1.000		0.826		0.819		0.098	
	25-Apr-08		0.770		0.837		2.200		0.711		0.676		0.712		0.705		0.650		0.087	U
	29-May-08		0.140		0.120		1.310		0.620		0.120		0.180		0.150		0.110		0.050	U
	27-Jun-08		0.585		0.412		1.060		0.987		0.478		0.400		0.802		0.380		0.169	
	31-Jul-08		0.553		0.449		1.140		0.424		0.426		0.491		0.262		0.248		0.255	
	28-Aug-08		0.868		1.150		3.010		2.820		0.761		0.854		0.870		0.783		0.644	
	30-Sep-08		2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	15.500		2.200	U
	27-Oct-08		2.200	U	2.200		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	3.600		NS		2.200	U	2.200	U	2.200	U	2.200	U	2.200	U
	26-Mar-09		0.802		0.803		1.120		1.080		0.511		0.646		0.738		0.588		0.727	
	29-Apr-09		0.185		0.234		0.633		0.538		0.185		0.139		0.138		0.152		0.178	
	22-Jul-09		0.442		0.212		1.090		0.291		0.551		0.625		0.807		0.542		1.160	
	9-Oct-09		0.859		0.758		1.080		1.030		0.794		0.881		0.868		0.833		0.748	
	15-Jan-10		0.447		0.334		0.366		0.351		0.321		0.298		0.273		0.252		0.288	
	21-Apr-10		0.498		0.718		1.260		0.812		0.881		0.803		0.942		0.538		0.087	U
	18-Jul-10		0.334		0.228		0.416		0.408		0.573		0.288		0.872		0.280		0.143	
	15-Oct-10		0.252		0.309		0.412		0.132		0.128		0.087	U	0.200		0.087	U	0.121	
	30-Nov-10		NS		0.217		0.938		NS		NS		NS		0.108		NS		NS	
m/p-Xylene	8-Feb-08		0.710		0.880		2.110		1.480		0.550		0.450		0.380		0.420		0.580	
	27-Mar-08		2.480		2.080		3.510		2.983		2.820		2.890		1.810		1.810		0.248	
	25-Apr-08		2.220		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		2.280		0.290		0.410		0.340		0.250		0.170	U
	27-Jun-08		1.080		1.080		3.280		3.000		1.250		0.984		2.165		0.928		0.795	
	31-Jul-08		1.380		1.190		3.330		1.140		1.140		1.370		0.858		0.488		0.656	
	28-Aug-08		2.130		3.220		8.890		6.200		1.810		2.180		2.260		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	5.000		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		2.890		4.530		4.340		1.580		1.990		2.340		1.870		2.310	
	29-Apr-09		0.456		0.733		0.534		1.950		0.477		0.308		0.312		0.347		0.442	
	22-Jul-09		0.920		0.577		2.880		0.824		1.560		2.070		2.510		1.720		3.510	
	9-Oct-09		2.810		2.240		3.380		3.190		2.200		2.090		1.980		1.910		2.290	
	15-Jan-10		1.090		0.815		1.040		0.948		0.724		0.803		0.872		0.807		0.872	
	21-Apr-10		1.260		2.000		4.380		1.810		1.800		1.870		1.430		1.950		0.174	U
	18-Jul-10		0.868		0.598		1.290		1.120		1.290		0.729		0.898		0.894		0.330	
	15-Oct-10		0.842		0.872		1.340		0.408		0.298		0.174		0.488		0.174	U	0.517	
	30-Nov-10		NS		0.820		1.000		NS		NS		NS		0.230		NS		NS	
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
	18-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
	15-Oct-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
	30-Nov-10		NS		0.208	U	0.208	U	NS		NS		NS		0.208	U	NS		NS	
Styrene	8-Feb-08		0.710		0.130		0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U
	27-Mar-08		1.200		0.116		0.120		0.185		0.140		0.175		0.114		0.139		0.085	U
	25-Apr-08		0.858		0.138		0.180		0.184		0.137		0.137		0.198		0.124		0.085	U
	29-May-08		0.550		0.085	U	0.130		0.260		0.090	U	0.110		0.090		0.090	U	0.090	U
	27-Jun-08		1.830		0.085	U	0.112		0.186		0.191		0.085	U	0.481		0.090	U	0.085	U
	31-Jul-08		1.850		0.254		0.153		0.266		0.285		0.288		0.108		0.090		0.085	U
	28-Aug-08		0.654		0.388		0.262		0.382		0.203		0.165		0.188		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		0.193		0.110		0.110		0.129		0.111		0.128		0.138		0.122	
	29-Apr-09		0.515		0.085	U	0.136	U	0.085	U	0.136		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		0.313		0.217		0.187	
	9-Oct-09		0.838		0.153		0.149		0.174		0.588		0.178		0.140		0.140		0.140	
	15-Jan-10		1.100		0.221		0.085	U	0.089		0.198		0.089		0.085	U	0.085	U	0.085	U
	21-Apr-10		0.281		0.204		0.289		0.187		0.328		0.174		0.145		0.140		0.085	U
	18-Jul-10		0.702		0.085	U	0.086	U	0.085	U	0.178		0.085	U	0.085	U	0.085	U	0.085	U
	15-Oct-10		0.649		0.085	U	0.085	U	0.085	U	0.085		0.085	U	0.085	U	0.085	U	0.085	U
	30-Nov-10		NS		0.149		0.119		NS		NS		NS		0.085	U	NS		NS	

Date Modified 1/7/2011

Summary of Indoor Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
Feb 2008 - November 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 116	Qual	Room 110	Qual	Media Ctr (Rm 145)	Qual	Room 152	Qual	Ambient Outdoor	Qual
1,1,2,2-Tetrachloroethane	8-Feb-08		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	27-Mar-08		0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U
	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	0.882		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	0.140	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	0.143	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	18-Dec-08	0.01/10.14	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
	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
	18-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
	15-Oct-10		NS		0.137	U	0.137	U	NS		NS		NS		NS		NS		NS	
	30-Nov-10																			
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		0.920		1.080		0.640		0.688		0.087	U
	25-Apr-08		0.824		0.724		3.460		0.821		0.750		0.770		0.786		0.880		0.087	U
	29-May-08		0.130		0.120		2.080		1.000		0.110		0.180		0.150		0.080	U	0.050	U
	27-Jun-08		0.483		0.385		1.030		1.030		0.485		0.358		0.833		0.338		0.332	
	31-Jul-08		0.478		0.375		0.822		0.371		0.420		0.583		0.240		0.207		0.248	
	28-Aug-08		0.779		1.070		2.210		2.180		0.683		0.767		0.812		0.702		0.812	
	30-Sep-08		2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.600	U	2.200	U
	27-Oct-08		2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U
	25-Nov-08		2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U
	18-Dec-08	2.20 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	2.600		NS		2.200	U	2.200	U	2.200	U	2.200	U	2.200	U
	26-Mar-09		1.080		0.788		1.050		1.020		0.551		0.718		0.824		0.651		0.829	
	29-Apr-09		0.143		0.188		0.085	U	0.442		0.185		0.100		0.104		0.108		0.156	
	22-Jul-08		0.347		0.185		0.690		0.247		0.505		0.742		0.811		0.560		1.240	
	9-Oct-08		0.830		0.724		0.954		0.820		0.854		0.784		0.720		0.886		0.758	
	15-Jan-10		0.404		0.321		0.358		0.338		0.273		0.230		0.258		0.230		0.273	
	21-Apr-10		0.425		0.688		1.280		0.577		0.829		0.601		0.564		0.482		0.087	U
	18-Jul-10		0.273		0.186		0.312		0.304		503		0.200		0.703		0.230		0.126	
	15-Oct-10		0.188		0.265		0.347	U	0.130	U	0.138		0.087	U	2.000		0.087	U	0.104	
	30-Nov-10		NS		0.228		0.325		NS		NS		NS		0.091		NS		NS	
Isopropylbenzene	8-Feb-08		2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U
	27-Mar-08		2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U
	25-Apr-08		2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U
	29-May-08		2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U
	27-Jun-08		2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U
	31-Jul-08		2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U
	28-Aug-08		2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	12.700	U	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	2.480	U	NS		4.900	U	4.900	U	4.900	U	4.900	U	4.900	U
	26-Mar-09		2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U
	29-Apr-09		2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U
	22-Jul-09		2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U
	9-Oct-09		2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U
	15-Jan-10		2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U
	21-Apr-10		2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	0.043	I	2.480	U
	18-Jul-10		2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U	2.480	U
	15-Oct-10		2.480	U	2.480	U	2.480	U	NS		NS		NS		2.480	U	NS		NS	
	30-Nov-10																			
1,3,5-Trimethylbenzene	8-Feb-08		0.480		0.450		1.300		0.980		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U
	27-Mar-08		0.535		0.852		1.820		1.530		0.292		0.438		0.258		0.534		0.098	U
	25-Apr-08		0.347		0.819		7.190		0.602		0.542		0.293		0.375		0.280		0.098	U
	29-May-08		0.170		0.270		4.710		4.050		0.140		0.640		0.470		0.100	U	0.100	U
	27-Jun-08		0.842		0.232		1.100		1.580		0.365		0.102		0.387		0.100	U	0.098	U
	31-Jul-08		1.040		0.782		0.871		1.380		0.570		1.190		0.098	U	0.098	U	0.098	U
	28-Aug-08		0.170		0.732		1.950		2.980		0.270		0.181		0.181		0.155		0.100	
	30-Sep-08		2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	9.300	U	2.500	U
	27-Oct-08		2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U
	25-Nov-08		2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U
	18-Dec-08	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	2.500	U	2.500	U	2.500	U
	26-Mar-09		0.330		0.318		0.878		0.540		0.184		0.185		0.248		0.198		0.238	
	29-Apr-09		0.098	U	0.182		0.876		0.829		0.098		0.098	U	0.098	U	0.098	U	0.098	U
	22-Jul-09		0.578		0.098	U	0.427		0.138		0.248		0.279		0.293		0.241		0.241	
	9-Oct-09		0.560		0.452		0.476		0.569		0.225		0.265		0.221		0.241		0.228	
	15-Jan-10		0.285		0.280		0.182		0.205		0.098	U	0.098	U	0.098	U	0.098	U	0.098	U
	21-Apr-10		0.118		0.361		2.100		2.600		0.205		0.187		0.182		0.177		0.098	U
	18-Jul-10		0.113		0.098	U	0.138		0.118		0.098	U	0.098	U	0.147		0.098	U	0.098	U
	15-Oct-10		0.128		0.172		0.123		0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U
	30-Nov-10		NS		0.133		0.187		NS		NS		NS		NS		NS		NS	

Date Modified 1/7/2011

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

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/Interim RIDE M-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	8-Feb-08		0.800		0.870		2.520		1.680		0.210		0.210		0.210		0.310		0.210	
	27-Mar-08		1.330		1.500		3.360		3.240		0.920		1.790		0.828		0.969		0.098	U
	25-Apr-08		0.998		1.790		11.700		1.640		0.976		0.816		0.911		0.750		0.098	U
	29-May-08		0.300		0.470		8.320		8.680		0.270		0.880		0.880		0.110		0.100	U
	27-Jun-08		1.580		0.443		2.120		3.040		0.634		0.248		0.722		0.208		0.175	
	31-Jul-08		1.850		1.360		1.360		2.080		0.898		1.840		0.207		0.142		0.157	
	28-Aug-08		0.438		1.430		3.680		5.340		0.842		0.481		0.455		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	9.300	U	2.500	U
	27-Oct-08		2.500	U	2.500	U	2.500	U	3.500		2.500	U	2.500	U	2.520	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	8.3	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	3.800		NS		2.500	U	2.500	U	2.500	U	2.500	U	2.500	U
	26-Mar-09		0.842		0.859		1.500		1.300		0.528		0.583		0.737		0.584		0.739	
	29-Apr-09		1.520		0.388		1.340		1.200		0.192		0.088	U	0.108		0.088		0.142	
	22-Jul-09		1.010		0.216		1.140		0.338		0.584		0.791		0.889		0.873		0.884	
	8-Oct-09		1.240		1.080		1.250		1.480		0.712		0.798		0.702		0.717		0.099	
	15-Jan-10		0.608		0.550		0.452		0.521		0.208		0.188		0.216		0.198		0.198	
	21-Apr-10		0.383		0.645		4.580		0.643		0.570		0.545		0.427	U	0.478		0.088	U
	18-Jul-10		0.354		0.216		0.398		0.544		0.290		0.138		0.511		0.187		0.108	
	15-Oct-10		0.319		0.408		0.328		0.211		0.088	U	0.088	U	0.319		0.088	U	0.088	U
	30-Nov-10		NS		0.334		0.560		NS		NS		NS		0.088	U	NS		NS	
1,3-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	0.802		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	0.102	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
	18-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
	15-Oct-10		0.120	U	0.120	U	0.120	U	0.120	U	0.120		0.120	U	0.120	U	0.120	U	0.120	U
	30-Nov-10		NS		0.120	U	0.120	U	NS		NS		NS		0.120	U	NS		NS	
1,4-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		0.282		0.272		0.208		0.586		0.728		0.793		0.228		0.237		0.120	U
	25-Apr-08		0.415		0.287		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		0.508		0.178		0.389		0.315		0.130		0.273		1.340		0.582		0.132	
	31-Jul-08		0.308		0.324		0.254		0.323		0.458		0.868		0.272		0.320		0.298	
	28-Aug-08		0.188		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	0.183		0.148		0.204		0.190		0.120	U
	29-Apr-09		0.248		0.144		0.180		1.740		0.210		0.188		0.144		0.186		0.388	
	22-Jul-09		0.198		0.120	U	0.553		0.120	U	0.174		0.204		0.144		0.270		0.444	
	8-Oct-09		0.380		0.402		0.309		0.380		0.354		0.487		0.324		0.388		0.188	
	15-Jan-10		0.158		0.188		0.120	U	0.432		0.190		0.188		0.144		0.120	U	0.138	
	21-Apr-10		0.120	U	0.180		0.120	U	0.156		0.190		0.158		0.126		0.128		1.200	U
	18-Jul-10		1.580		0.493		0.837		0.308		0.498		0.655		11.400		0.533		0.384	
	15-Oct-10		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	30-Nov-10		NS		0.262		0.318		NS		NS		NS		0.120	U	NS		NS	
sec-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	5.500	U	5.500	U	5.500	U	5.500	U	58.800		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
	18-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
	15-Oct-10		2.740	U	2.740	U	2.74	U	NS		NS		NS		2.740	U	NS		NS	
	30-Nov-10		NS		2.740	U														

Date Modified 1/7/2011

Summary of Indoor Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
Feb 2008 - November 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 110	Qual	Room 115	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	5.500	U	8.400		5.500	U	5.500	U	87.000		5.500	U
	25-Nov-08		5.500	U	5.500	U	5.500	U	5.500	U	6.5	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	87.0	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	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	3.890		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
	15-Oct-10		NS		2.740	U	2.740	U	NS		NS		NS		2.740	U	NS		NS	
	30-Nov-10																			
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	0.822		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		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	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	0.100	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
	15-Oct-10		NS		0.120	U	0.120	U	NS		NB		NS		0.120	U	NS		NS	
	30-Nov-10																			
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	5.500	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	5.500	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	8.300		NB		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	2.740	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	3.840	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
	15-Oct-10		NS		2.740	U	2.740	U	NS		NS		NS		2.740	U	NS		NS	
	30-Nov-10																			

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 the compound

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

1 Elevated Data is a result of inadvertent cross contamination at the laboratory, and not resultant from soil vapor intrusion. Media Center/Room 145 was resampled on 28 January 2008 with Tetrachloroethylene concentration not detected by the laboratory (MDL = 0.14 ug/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 29 April 2008 indicates no exceedances of applicable Acetone and Tetrachloroethylene Action Levels

Date Modified 1/7/2011

ALPHA ANALYTICAL

ANALYTICAL REPORT

Lab Number:	L1016363
Client:	EA Engineering, Science and Tech 2374 Post Road Suite 102 Warwick, RI 02886
ATTN:	Frank Postma
Phone:	(401) 736-3440
Project Name:	ALVAREZ HIGH SCHOOL
Project Number:	14687.01
Report Date:	10/25/10

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: L1016363
Report Date: 10/25/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1016363-01	GYMNASIUM	PROVIDENCE, RI	10/15/10 07:57
L1016363-02	CAFETERIA	PROVIDENCE, RI	10/15/10 07:59
L1016363-03	KITCHEN STORAGE	PROVIDENCE, RI	10/15/10 08:00
L1016363-04	ELEVATOR HALLWAY	PROVIDENCE, RI	10/15/10 08:07
L1016363-05	RM 145	PROVIDENCE, RI	10/15/10 08:10
L1016363-06	RM 152	PROVIDENCE, RI	10/15/10 08:09
L1016363-07	RM 118	PROVIDENCE, RI	10/15/10 08:16
L1016363-08	RM 110	PROVIDENCE, RI	10/15/10 08:17
L1016363-09	AMBIENT OUTDOOR	PROVIDENCE, RI	10/15/10 09:50

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1016363
Report Date: 10/25/10

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.

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: 10/25/10

ALPHA ANALYTICAL

AIR

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1016363
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016363-01
Client ID: GYMNASIUM
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/20/10 15:30
Analyst: AJ

Date Collected: 10/15/10 07:57
Date Received: 10/18/10
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	0.518	0.050	--	2.56	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	0.245	0.050	--	1.38	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	1.30	1.00	--	4.51	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	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	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

ALPHA ANALYTICAL

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1016363
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016363-01
Client ID: GYMNASIUM
Sample Location: PROVIDENCE, RI

Date Collected: 10/15/10 07:57
Date Received: 10/18/10
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	0.150	0.020	–	0.565	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	0.095	0.020	–	0.412	0.087	–		1
p/m-Xylene	0.308	0.040	–	1.34	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	0.080	0.020	–	0.347	0.087	–		1
Isopropylbenzene	ND	0.500	–	ND	2.46	–		1
1,3,5-Trimethybenzene	0.025	0.020	–	0.123	0.098	–		1
1,2,4-Trimethylbenzene	0.067	0.020	–	0.329	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: L1016363
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016363-01
Client ID: GYMNASIUM
Sample Location: PROVIDENCE, RI

Date Collected: 10/15/10 07:57
Date Received: 10/18/10
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	95		60-140
bromochloromethane	104		60-140
chlorobenzene-d5	101		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1016363
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016363-02
Client ID: CAFETERIA
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/20/10 16:47
Analyst: AJ

Date Collected: 10/15/10 07:59
Date Received: 10/18/10
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	0.487	0.050	–	2.41	0.247	–		1
Chloromethane	0.524	0.500	–	1.08	1.03	–		1
Vinyl chloride	ND	0.020	–	ND	0.051	–		1
Chloroethane	ND	0.020	–	ND	0.053	–		1
Acetone	3.44	2.00	–	8.18	4.75	–		1
Trichlorofluoromethane	0.242	0.050	–	1.36	0.281	–		1
Acrylonitrile	ND	0.500	–	ND	1.08	–		1
1,1-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Methylene chloride	1.28	1.00	–	4.44	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	0.040	0.020	–	0.195	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	0.068	0.020	–	0.427	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: L1016363
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016363-02
Client ID: CAFETERIA
Sample Location: PROVIDENCE, RI

Date Collected: 10/15/10 07:59
Date Received: 10/18/10
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	0.164	0.020	–	0.618	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	0.071	0.020	–	0.308	0.087	–		1
p/m-Xylene	0.224	0.040	–	0.972	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	0.061	0.020	–	0.265	0.087	–		1
Isopropylbenzene	ND	0.500	–	ND	2.46	–		1
1,3,5-Trimethybenzene	0.035	0.020	–	0.172	0.098	–		1
1,2,4-Trimethylbenzene	0.083	0.020	–	0.408	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: L1016363
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016363-02
Client ID: CAFETERIA
Sample Location: PROVIDENCE, RI

Date Collected: 10/15/10 07:59
Date Received: 10/18/10
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	109		60-140
chlorobenzene-d5	104		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1016363
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID:	L1016363-03	Date Collected:	10/15/10 08:00
Client ID:	KITCHEN STORAGE	Date Received:	10/18/10
Sample Location:	PROVIDENCE, RI	Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	10/20/10 17:24		
Analyst:	AJ		

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.498	0.050	–	2.46	0.247	–		1
Chloromethane	0.523	0.500	–	1.08	1.03	–		1
Vinyl chloride	ND	0.020	–	ND	0.051	–		1
Chloroethane	ND	0.020	–	ND	0.053	–		1
Acetone	13.8	2.00	–	32.7	4.75	–		1
Trichlorofluoromethane	0.252	0.050	–	1.41	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	1.46	0.500	–	4.30	1.47	–		1
cis-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Chloroform	0.054	0.020	–	0.263	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	0.073	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	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: L1016363
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016363-03
Client ID: KITCHEN STORAGE
Sample Location: PROVIDENCE, RI
Date Collected: 10/15/10 08:00
Date Received: 10/18/10
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	0.192	0.020	--	0.723	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	0.058	0.020	--	0.252	0.087	--		1
p/m-Xylene	0.148	0.040	--	0.642	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	0.129	0.020	--	0.549	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-Trimethybenzene	0.026	0.020	--	0.128	0.098	--		1
1,2,4-Trimethylbenzene	0.065	0.020	--	0.319	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: L1016363
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID:	L1016363-03	Date Collected:	10/15/10 08:00
Client ID:	KITCHEN STORAGE	Date Received:	10/18/10
Sample Location:	PROVIDENCE, RI	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	100		60-140
bromochloromethane	105		60-140
chlorobenzene-d5	102		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1016363
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016363-04
Client ID: ELEVATOR HALLWAY
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/20/10 18:02
Analyst: AJ

Date Collected: 10/15/10 08:07
Date Received: 10/18/10
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	0.486	0.050	–	2.40	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	4.85	2.00	–	11.5	4.75	–		1
Trichlorofluoromethane	0.241	0.050	–	1.35	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	0.021	0.020	–	0.102	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	0.069	0.020	–	0.434	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: L1016363
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016363-04
Client ID: ELEVATOR HALLWAY
Sample Location: PROVIDENCE, RI
Date Collected: 10/15/10 08:07
Date Received: 10/18/10
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	0.190	0.020	--	0.715	0.075	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	0.020	0.020	--	0.136	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	0.035	0.020	--	0.152	0.087	--		1
p/m-Xylene	0.094	0.040	--	0.408	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	0.030	0.020	--	0.130	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	0.043	0.020	--	0.211	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

ALPHA ANALYTICAL

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1016363
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID:	L1016363-04	Date Collected:	10/15/10 08:07
Client ID:	ELEVATOR HALLWAY	Date Received:	10/18/10
Sample Location:	PROVIDENCE, RI	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	110		60-140
chlorobenzene-d5	106		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1016363
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID:	L1016363-05	Date Collected:	10/15/10 08:10
Client ID:	RM 145	Date Received:	10/18/10
Sample Location:	PROVIDENCE, RI	Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	10/20/10 18:41		
Analyst:	AJ		

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.496	0.050	–	2.45	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	2.33	2.00	–	5.53	4.75	–		1
Trichlorofluoromethane	0.235	0.050	–	1.32	0.281	–		1
Acrylonitrile	ND	0.500	–	ND	1.08	–		1
1,1-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Methylene chloride	1.68	1.00	–	5.84	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	0.022	0.020	–	0.107	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	0.072	0.020	–	0.453	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: L1016363
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016363-05
Client ID: RM 145
Sample Location: PROVIDENCE, RI

Date Collected: 10/15/10 08:10
Date Received: 10/18/10
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	0.150	0.020	--	0.565	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	0.046	0.020	--	0.200	0.087	--		1
p/m-Xylene	0.108	0.040	--	0.468	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-Trimethybenzene	0.020	0.020	--	0.098	0.098	--		1
1,2,4-Trimethylbenzene	0.065	0.020	--	0.319	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: L1016363
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID:	L1016363-05	Date Collected:	10/15/10 08:10
Client ID:	RM 145	Date Received:	10/18/10
Sample Location:	PROVIDENCE, RI	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	109		60-140
chlorobenzene-d5	106		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1016363
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016363-06
Client ID: RM 152
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/20/10 19:19
Analyst: AJ

Date Collected: 10/15/10 08:09
Date Received: 10/18/10
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	0.496	0.050	–	2.45	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	2.82	2.00	–	6.69	4.75	–		1
Trichlorofluoromethane	0.238	0.050	–	1.34	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	0.071	0.020	–	0.446	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: L1016363
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016363-06
Client ID: RM 152
Sample Location: PROVIDENCE, RI
Date Collected: 10/15/10 08:09
Date Received: 10/18/10
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	0.083	0.020	–	0.312	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: L1016363
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016363-06
Client ID: RM 152
Sample Location: PROVIDENCE, RI

Date Collected: 10/15/10 08:09
Date Received: 10/18/10
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	108		60-140
chlorobenzene-d5	104		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1016363
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016363-07
Client ID: RM 118
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/20/10 19:57
Analyst: AJ

Date Collected: 10/15/10 08:16
Date Received: 10/18/10
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	0.500	0.050	–	2.47	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	3.10	2.00	–	7.36	4.75	–		1
Trichlorofluoromethane	0.242	0.050	–	1.36	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	0.070	0.020	–	0.440	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: L1016363
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016363-07
Client ID: RM 118
Sample Location: PROVIDENCE, RI

Date Collected: 10/15/10 08:16
Date Received: 10/18/10
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	0.133	0.020	--	0.501	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	0.029	0.020	--	0.126	0.087	--		1
p/m-Xylene	0.069	0.040	--	0.299	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	0.023	0.020	--	0.098	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.032	0.020	--	0.139	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: L1016363
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016363-07
Client ID: RM 118
Sample Location: PROVIDENCE, RI
Date Collected: 10/15/10 08:16
Date Received: 10/18/10
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	107		60-140
chlorobenzene-d5	102		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1016363
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016363-08
Client ID: RM 110
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/20/10 20:35
Analyst: AJ

Date Collected: 10/15/10 08:17
Date Received: 10/18/10
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	0.487	0.050	–	2.41	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	2.53	2.00	–	6.01	4.75	–		1
Trichlorofluoromethane	0.232	0.050	–	1.30	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	0.065	0.020	–	0.408	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: L1016363
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016363-08
Client ID: RM 110
Sample Location: PROVIDENCE, RI
Date Collected: 10/15/10 08:17
Date Received: 10/18/10
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	0.095	0.020	--	0.358	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	0.040	0.040	--	0.174	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: L1016363
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016363-08
Client ID: RM 110
Sample Location: PROVIDENCE, RI

Date Collected: 10/15/10 08:17
Date Received: 10/18/10
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	111		60-140
bromochloromethane	110		60-140
chlorobenzene-d5	105		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1016363
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016363-09
Client ID: AMBIENT OUTDOOR
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/20/10 21:12
Analyst: AJ

Date Collected: 10/15/10 09:50
Date Received: 10/18/10
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	0.533	0.050	--	2.63	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	3.21	2.00	--	7.63	4.75	--		1
Trichlorofluoromethane	0.265	0.050	--	1.49	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	0.020	0.020	--	0.098	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: L1016363
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016363-09
Client ID: AMBIENT OUTDOOR
Sample Location: PROVIDENCE, RI

Date Collected: 10/15/10 09:50
Date Received: 10/18/10
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	0.166	0.020	–	0.625	0.075	–		1
Dibromochloromethane	ND	0.020	–	ND	0.170	–		1
1,2-Dibromoethane	ND	0.020	–	ND	0.154	–		1
Tetrachloroethene	0.021	0.020	–	0.142	0.136	–		1
1,1,1,2-Tetrachloroethane	ND	0.020	–	ND	0.137	–		1
Chlorobenzene	ND	0.020	–	ND	0.092	–		1
Ethylbenzene	0.028	0.020	–	0.121	0.087	–		1
p/m-Xylene	0.073	0.040	–	0.317	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	0.024	0.020	–	0.104	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: L1016363
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016363-09
Client ID: AMBIENT OUTDOOR
Sample Location: PROVIDENCE, RI

Date Collected: 10/15/10 09:50
Date Received: 10/18/10
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	92		60-140
bromochloromethane	102		60-140
chlorobenzene-d5	98		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1016363
Report Date: 10/25/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 10/20/10 14:39

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: WG438431-4								
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: L1016363
Report Date: 10/25/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 10/20/10 14:39

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: WG438431-4								
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: L1016363
Report Date: 10/25/10

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: WG438431-3								
Dichlorodifluoromethane	116		-		70-130	-		25
Chloromethane	92		-		70-130	-		25
Vinyl chloride	112		-		70-130	-		25
Chloroethane	109		-		70-130	-		25
Acetone	99		-		70-130	-		25
Trichlorofluoromethane	117		-		70-130	-		25
Acrylonitrile	91		-		70-130	-		25
1,1-Dichloroethene	111		-		70-130	-		25
Methylene chloride	97		-		70-130	-		25
trans-1,2-Dichloroethene	99		-		70-130	-		25
1,1-Dichloroethane	94		-		70-130	-		25
Methyl tert butyl ether	88		-		70-130	-		25
2-Butanone	97		-		70-130	-		25
cis-1,2-Dichloroethene	103		-		70-130	-		25
Chloroform	109		-		70-130	-		25
1,2-Dichloroethane	99		-		70-130	-		25
1,1,1-Trichloroethane	90		-		70-130	-		25
Benzene	86		-		70-130	-		25
Carbon tetrachloride	101		-		70-130	-		25
1,2-Dichloropropane	87		-		70-130	-		25
Bromodichloromethane	88		-		70-130	-		25

ALPHA ANALYTICAL

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1016363
Report Date: 10/25/10

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: WG438431-3								
Trichloroethene	99		-		70-130	-		25
cis-1,3-Dichloropropene	91		-		70-130	-		25
4-Methyl-2-pentanone	77		-		70-130	-		25
trans-1,3-Dichloropropene	78		-		70-130	-		25
1,1,2-Trichloroethane	96		-		70-130	-		25
Toluene	96		-		70-130	-		25
Dibromochloromethane	109		-		70-130	-		25
1,2-Dibromoethane	114		-		70-130	-		25
Tetrachloroethene	117		-		70-130	-		25
1,1,1,2-Tetrachloroethane	107		-		70-130	-		25
Chlorobenzene	117		-		70-130	-		25
Ethylbenzene	110		-		70-130	-		25
p/m-Xylene	111		-		70-130	-		25
Bromoform	116		-		70-130	-		25
Styrene	115		-		70-130	-		25
1,1,2,2-Tetrachloroethane	118		-		70-130	-		25
o-Xylene	112		-		70-130	-		25
Isopropylbenzene	111		-		70-130	-		25
1,3,5-Trimethylbenzene	114		-		70-130	-		25
1,2,4-Trimethylbenzene	117		-		70-130	-		25
1,3-Dichlorobenzene	123		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1016363
Report Date: 10/25/10

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: WG438431-3								
1,4-Dichlorobenzene	120		-		70-130	-		25
sec-Butylbenzene	108		-		70-130	-		25
p-Isopropyltoluene	104		-		70-130	-		25
1,2-Dichlorobenzene	124		-		70-130	-		25
n-Butylbenzene	112		-		70-130	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1016363
Report Date: 10/25/10

Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG438431-5 QC Sample: L1016363-01 Client ID: GYMNASIUM

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dichlorodifluoromethane	0.518	0.490	ppbV	6		25
Chloromethane	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Acetone	ND	ND	ppbV	NC		25
Trichlorofluoromethane	0.245	0.230	ppbV	6		25
Acrylonitrile	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	1.30	1.66	ppbV	24		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	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Chloroform	ND	0.020	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	0.081	0.066	ppbV	20		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1016363
Report Date: 10/25/10

Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG438431-5 QC Sample: L1016363-01 Client ID: GYMNASIUM

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
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	0.150	0.151	ppbV	1	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	ND	ND	ppbV	NC	25
1,1,1,2-Tetrachloroethane	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	0.095	0.096	ppbV	1	25
p/m-Xylene	0.308	0.308	ppbV	0	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	0.080	0.080	ppbV	0	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1016363
Report Date: 10/25/10

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: WG438431-5 QC Sample: L1016363-01 Client ID: GYMNASIUM					
Isopropylbenzene	ND	ND	ppbV	NC	25
1,3,5-Trimethybenzene	0.025	0.027	ppbV	8	25
1,2,4-Trimethylbenzene	0.067	0.068	ppbV	1	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	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

Serial_No:10251014:43

Project Name: ALVAREZ HIGH SCHOOL

Lab Number: L1016363

Project Number: 14687.01

Report Date: 10/25/10

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
L1016363-01	GYMNASIUM	0232	#16 AMB		-	-	159	164	3
L1016363-01	GYMNASIUM	1533	6.0L Can	I1015352	-28.8	-5.6	-	-	-
L1016363-02	CAFETERIA	0003	#90 SV		-	-	159	163	2
L1016363-02	CAFETERIA	705	6.0L Can	I1014609	-29.1	-6.1	-	-	-
L1016363-03	KITCHEN STORAGE	0329	#90 SV		-	-	159	165	4
L1016363-03	KITCHEN STORAGE	1699	6.0L Can	I1015352	-29.5	-7.0	-	-	-
L1016363-04	ELEVATOR HALLWAY	0342	#30 SV		-	-	158	168	6
L1016363-04	ELEVATOR HALLWAY	1607	6.0L Can	I1015352	-29.5	-7.0	-	-	-
L1016363-05	RM 145	0365	#90 SV		-	-	158	164	4
L1016363-05	RM 145	768	6.0L Can	I1015352	-28.4	-6.6	-	-	-
L1016363-06	RM 152	0371	#20 SV		-	-	159	184	15
L1016363-06	RM 152	694	6.0L Can	I1014476	-29.5	-7.6	-	-	-
L1016363-07	RM 118	0298	#90 SV		-	-	159	165	4
L1016363-07	RM 118	1668	6.0L Can	I1014476	-29.5	-7.8	-	-	-
L1016363-08	RM 110	0006	#90 SV		-	-	157	169	7
L1016363-08	RM 110	625	6.0L Can	I1015352	-29.5	-6.7	-	-	-
L1016363-09	AMBIENT OUTDOOR	0450	#90 SV		-	-	159	181	13

ALPHA ANALYTICAL

Project Name: ALVAREZ HIGH SCHOOL

Lab Number: L1016363

Project Number: 14687.01

Report Date: 10/25/10

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
L1016363-09	AMBIENT OUTDOOR	623	6.0L Can	I1014476	-29.5	-3.6	-	-	-

Air Volatiles Can Certification

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1014476
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1014476-01
Client ID: CAN 623 SHELF 47
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/18/10 16:12
Analyst: RY

Date Collected: 09/15/10 00:00
Date Received: 09/15/10
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: L1014476
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1014476-01
Client ID: CAN 623 SHELF 47
Sample Location:

Date Collected: 09/15/10 00:00
Date Received: 09/15/10
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

ALPHA ANALYTICAL

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1014476
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1014476-01
Client ID: CAN 623 SHELF 47
Sample Location:

Date Collected: 09/15/10 00:00
Date Received: 09/15/10
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								
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

ALPHA ANALYTICAL

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1014476
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1014476-01
Client ID: CAN 623 SHELF 47
Sample Location:

Date Collected: 09/15/10 00:00
Date Received: 09/15/10
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								
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

ALPHA ANALYTICAL

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1014476
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1014476-01
Client ID: CAN 623 SHELF 47
Sample Location:

Date Collected: 09/15/10 00:00
Date Received: 09/15/10
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								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	90		60-140

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

Lab Number: L1014476
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1014476-01
Client ID: CAN 623 SHELF 47
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/18/10 16:12
Analyst: AR

Date Collected: 09/15/10 00:00
Date Received: 09/15/10
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	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

ALPHA ANALYTICAL

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1014476
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1014476-01
Client ID: CAN 623 SHELF 47
Sample Location:

Date Collected: 09/15/10 00:00
Date Received: 09/15/10
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								
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: L1014476
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1014476-01
Client ID: CAN 623 SHELF 47
Sample Location:

Date Collected: 09/15/10 00:00
Date Received: 09/15/10
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:** L1014476

Project Number: CANISTER QC BAT **Report Date:** 10/25/10

Air Canister Certification Results

Lab ID: L1014476-01 Date Collected: 09/15/10 00:00

Client ID: CAN 623 SHELF 47 Date Received: 09/15/10

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	106		60-140
bromochloromethane	102		60-140
chlorobenzene-d5	99		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1014609
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1014609-01
Client ID: CAN 1638 SHELF 52
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/23/10 19:31
Analyst: RY

Date Collected: 09/17/10 00:00
Date Received: 09/17/10
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 **Lab Number:** L1014609

Project Number: CANISTER QC BAT **Report Date:** 10/25/10

Air Canister Certification Results

Lab ID: L1014609-01 Date Collected: 09/17/10 00:00

Client ID: CAN 1638 SHELF 52 Date Received: 09/17/10

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 (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
Project Number: CANISTER QC BAT

Lab Number: L1014609
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1014609-01
Client ID: CAN 1638 SHELF 52
Sample Location:

Date Collected: 09/17/10 00:00
Date Received: 09/17/10
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								
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:** L1014609

Project Number: CANISTER QC BAT **Report Date:** 10/25/10

Air Canister Certification Results

Lab ID: L1014609-01 Date Collected: 09/17/10 00:00

Client ID: CAN 1638 SHELF 52 Date Received: 09/17/10

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 (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:***	L1014609
Project Number:	CANISTER QC BAT	***Report Date:***	10/25/10

Air Canister Certification Results

Lab ID:	L1014609-01	Date Collected:	09/17/10 00:00
Client ID:	CAN 1638 SHELF 52	Date Received:	09/17/10
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	83		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	81		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1014609
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1014609-01
Client ID: CAN 1638 SHELF 52
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/23/10 19:31
Analyst: RY

Date Collected: 09/17/10 00:00
Date Received: 09/17/10
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	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: L1014609
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1014609-01
Client ID: CAN 1638 SHELF 52
Sample Location:
Date Collected: 09/17/10 00:00
Date Received: 09/17/10
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								
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
Lab Number: L1014609
Project Number: CANISTER QC BAT
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1014609-01
Client ID: CAN 1638 SHELF 52
Sample Location:

Date Collected: 09/17/10 00:00
Date Received: 09/17/10
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
Project Number: CANISTER QC BAT
Lab Number: L1014609
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1014609-01
Client ID: CAN 1638 SHELF 52
Sample Location:

Date Collected: 09/17/10 00:00
Date Received: 09/17/10
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	92		60-140
chlorobenzene-d5	85		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1015352
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1015352-01
Client ID: CAN 901 SHELF 40
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 10/01/10 17:48
Analyst: RY

Date Collected: 09/29/10 00:00
Date Received: 09/29/10
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	8.01	5.00	–	10.5	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
Methylene chloride	ND	1.00	–	ND	3.47	–		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1015352
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1015352-01
Client ID: CAN 901 SHELF 40
Sample Location:

Date Collected: 09/29/10 00:00
Date Received: 09/29/10
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								
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
Trichloroethene	ND	0.200	–	ND	1.07	–		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1015352
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1015352-01
Client ID: CAN 901 SHELF 40
Sample Location:

Date Collected: 09/29/10 00:00
Date Received: 09/29/10
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								
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
Bromobenzene	ND	0.200	–	ND	1.28	–		1

ALPHA ANALYTICAL

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

Lab Number: L1015352
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1015352-01
Client ID: CAN 901 SHELF 40
Sample Location:

Date Collected: 09/29/10 00:00
Date Received: 09/29/10
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								
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

ALPHA ANALYTICAL

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1015352

Project Number: CANISTER QC BAT **Report Date:** 10/25/10

Air Canister Certification Results

Lab ID: L1015352-01 Date Collected: 09/29/10 00:00

Client ID: CAN 901 SHELF 40 Date Received: 09/29/10

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 (Low Level) - Mansfield Lab

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	84		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	84		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1015352
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1015352-01
Client ID: CAN 901 SHELF 40
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/01/10 17:48
Analyst: RY

Date Collected: 09/29/10 00:00
Date Received: 09/29/10
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	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

ALPHA ANALYTICAL

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1015352

Project Number: CANISTER QC BAT **Report Date:** 10/25/10

Air Canister Certification Results

Lab ID: L1015352-01 Date Collected: 09/29/10 00:00

Client ID: CAN 901 SHELF 40 Date Received: 09/29/10

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: L1015352
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1015352-01
Client ID: CAN 901 SHELF 40
Sample Location:
Date Collected: 09/29/10 00:00
Date Received: 09/29/10
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
Project Number: CANISTER QC BAT
Lab Number: L1015352
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1015352-01
Client ID: CAN 901 SHELF 40
Sample Location:

Date Collected: 09/29/10 00:00
Date Received: 09/29/10
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	86		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	89		60-140

AIR Petro Can Certification

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1014476

Project Number: CANISTER QC BAT **Report Date:** 10/25/10

AIR CAN CERTIFICATION RESULTS

Lab ID:	L1014476-01	Date Collected:	09/15/10 00:00
Client ID:	CAN 623 SHELF 47	Date Received:	09/15/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	09/18/10 16:12		
Analyst:	AR		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	--	1
Methyl tert butyl ether	ND		ug/m3	2.0	--	1
Benzene	ND		ug/m3	2.0	--	1
Toluene	ND		ug/m3	2.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	12	--	1
Ethylbenzene	ND		ug/m3	2.0	--	1
p/m-Xylene	ND		ug/m3	4.0	--	1
o-Xylene	ND		ug/m3	2.0	--	1
Naphthalene	ND		ug/m3	2.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1014609

Project Number: CANISTER QC BAT **Report Date:** 10/25/10

AIR CAN CERTIFICATION RESULTS

Lab ID:	L1014609-01	Date Collected:	09/17/10 00:00
Client ID:	CAN 1638 SHELF 52	Date Received:	09/17/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	09/22/10 21:44		
Analyst:	RY		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	--	1
Methyl tert butyl ether	ND		ug/m3	2.0	--	1
Benzene	ND		ug/m3	2.0	--	1
Toluene	ND		ug/m3	2.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	12	--	1
Ethylbenzene	ND		ug/m3	2.0	--	1
p/m-Xylene	ND		ug/m3	4.0	--	1
o-Xylene	ND		ug/m3	2.0	--	1
Naphthalene	ND		ug/m3	2.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1015352

Project Number: CANISTER QC BAT **Report Date:** 10/25/10

AIR CAN CERTIFICATION RESULTS

Lab ID:	L1015352-01	Date Collected:	09/29/10 00:00
Client ID:	CAN 901 SHELF 40	Date Received:	09/29/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	10/02/10 16:48		
Analyst:	RY		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	--	1
Methyl tert butyl ether	ND		ug/m3	2.0	--	1
Benzene	ND		ug/m3	2.0	--	1
Toluene	ND		ug/m3	2.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	12	--	1
Ethylbenzene	ND		ug/m3	2.0	--	1
p/m-Xylene	ND		ug/m3	4.0	--	1
o-Xylene	ND		ug/m3	2.0	--	1
Naphthalene	ND		ug/m3	2.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1016363
Report Date: 10/25/10

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(*)
L1016363-01A	Canister - 6 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1016363-02A	Canister - 6 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1016363-03A	Canister - 6 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1016363-04A	Canister - 6 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1016363-05A	Canister - 6 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1016363-06A	Canister - 6 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1016363-07A	Canister - 6 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1016363-08A	Canister - 6 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1016363-09A	Canister - 6 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:** L1016363
Project Number: 14687.01 **Report Date:** 10/25/10

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:**	L1016363
Project Number:	14687.01	**Report Date:**	10/25/10

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:** L1016363
Project Number: 14687.01 **Report Date:** 10/25/10

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.

AIR ANALYSIS

PAGE 1 OF 1

Date Rec'd in Lab:

ALPHA Job #: L1016363

ALPHA ANALYTICAL — CHAIN OF CUSTODY

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

Client Information

Client: EA Engineering
Address: 2374 Post Rd
Warwick, RI
Phone: 401-736-3440
Fax: 401-736-3423
Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Alvarez HS
Project Location: Providence, RI
Project #: 14682.01
Project Manager: E. 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)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria
CT	Target Analytes	

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) PID Rdgs
16363-01	Gymnasium	10/15/10	0727	0757	-26	-6	AA	DT/DA	6L	1533	0232			X					0 ppb
-02	Cafeteria		0728	0759	-30+	-8				705	0003								0
-03	Kitchen Storage		0729	0800	-20	-5				1699	0329								0
-04	Elevator Hallway		0738	0807	30	-7				1607	0342								0
-05	Rm 145		0742	0810	-30+	-9				768	0365								12
-06	Rm 152		0743	0809	-28	-5				694	0371								15
-07	Rm 118		0748	0816	-30	-8				1668	0298								0
-08	Rm 110		0749	0817	-27	-5				625	157								12
-09	Ambient Outdoor		0920	0950	-30+	-7				623	159								0

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

Container Type

Relinquished By:	Date/Time	Received By:	Date/Time:
[signature]	10/18/10 1340	[signature]	10/18/10 1340

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

Serial_No:10251014:43

ALPHA ANALYTICAL

ANALYTICAL REPORT

Lab Number:	L1019815
Client:	EA Engineering, Science and Tech 2374 Post Road Suite 102 Warwick, RI 02886
ATTN:	Frank Postma
Phone:	(401) 736-3440
Project Name:	ALVAREZ HIGH SCHOOL
Project Number:	14687.01
Report Date:	12/27/10

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: L1019815
Report Date: 12/27/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1019815-01	CAFETERIA	PROVIDENCE, RI	11/30/10 12:35
L1019815-02	RM 145	PROVIDENCE, RI	11/30/10 12:40
L1019815-03	GYM	PROVIDENCE, RI	11/30/10 13:40

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1019815
Report Date: 12/27/10

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.

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: 12/27/10

ALPHA ANALYTICAL

AIR

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1019815
Report Date: 12/27/10

SAMPLE RESULTS

Lab ID: L1019815-01
Client ID: CAFETERIA
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/26/10 17:59
Analyst: AR

Date Collected: 11/30/10 12:35
Date Received: 12/13/10
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	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	5.58	2.00	–	13.2	4.75	–		1
Trichlorofluoromethane	0.270	0.050	–	1.52	0.281	–		1
Acrylonitrile	ND	0.500	–	ND	1.08	–		1
1,1-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Methylene chloride	1.03	1.00	–	3.57	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	0.048	0.020	–	0.234	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	0.161	0.100	–	0.514	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	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: L1019815
Report Date: 12/27/10

SAMPLE RESULTS

Lab ID: L1019815-01
Client ID: CAFETERIA
Sample Location: PROVIDENCE, RI

Date Collected: 11/30/10 12:35
Date Received: 12/13/10
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	0.340	0.050	--	1.28	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	0.068	0.020	--	0.461	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	0.050	0.020	--	0.217	0.087	--		1
p/m-Xylene	0.143	0.040	--	0.620	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	0.035	0.020	--	0.149	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.052	0.020	--	0.226	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	0.068	0.020	--	0.334	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	0.047	0.020	--	0.282	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: L1019815
Report Date: 12/27/10

SAMPLE RESULTS

Lab ID:	L1019815-01	Date Collected:	11/30/10 12:35
Client ID:	CAFETERIA	Date Received:	12/13/10
Sample Location:	PROVIDENCE, RI	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	102		60-140
bromochloromethane	101		60-140
chlorobenzene-d5	100		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1019815
Report Date: 12/27/10

SAMPLE RESULTS

Lab ID: L1019815-02
Client ID: RM 145
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/26/10 18:37
Analyst: AR

Date Collected: 11/30/10 12:40
Date Received: 12/13/10
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	0.484	0.050	–	2.39	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	2.72	2.00	–	6.46	4.75	–		1
Trichlorofluoromethane	0.238	0.050	–	1.34	0.281	–		1
Acrylonitrile	ND	0.500	–	ND	1.08	–		1
1,1-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Methylene chloride	1.66	1.00	–	5.77	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	0.129	0.100	–	0.412	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: L1019815
Report Date: 12/27/10

SAMPLE RESULTS

Lab ID: L1019815-02
Client ID: RM 145
Sample Location: PROVIDENCE, RI
Date Collected: 11/30/10 12:40
Date Received: 12/13/10
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	0.219	0.050	--	0.825	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	0.025	0.020	--	0.169	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	0.025	0.020	--	0.108	0.087	--		1
p/m-Xylene	0.053	0.040	--	0.230	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	0.021	0.020	--	0.091	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: L1019815
Report Date: 12/27/10

SAMPLE RESULTS

Lab ID: L1019815-02
Client ID: RM 145
Sample Location: PROVIDENCE, RI

Date Collected: 11/30/10 12:40
Date Received: 12/13/10
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	101		60-140
bromochloromethane	102		60-140
chlorobenzene-d5	99		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1019815
Report Date: 12/27/10

SAMPLE RESULTS

Lab ID:	L1019815-03	Date Collected:	11/30/10 13:40
Client ID:	GYM	Date Received:	12/13/10
Sample Location:	PROVIDENCE, RI	Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	12/26/10 19:15		
Analyst:	AR		

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.517	0.050	–	2.55	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	5.48	2.00	–	13.0	4.75	–		1
Trichlorofluoromethane	0.265	0.050	–	1.49	0.281	–		1
Acrylonitrile	ND	0.500	–	ND	1.08	–		1
1,1-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Methylene chloride	3.35	1.00	–	11.6	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	ND	0.500	–	ND	1.47	–		1
cis-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Chloroform	0.023	0.020	–	0.112	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	0.186	0.100	–	0.594	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: L1019815
Report Date: 12/27/10

SAMPLE RESULTS

Lab ID: L1019815-03
Client ID: GYM
Sample Location: PROVIDENCE, RI

Date Collected: 11/30/10 13:40
Date Received: 12/13/10
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	0.320	0.050	--	1.20	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	0.043	0.020	--	0.291	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	0.078	0.020	--	0.338	0.087	--		1
p/m-Xylene	0.231	0.040	--	1.00	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	0.075	0.020	--	0.325	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	0.036	0.020	--	0.177	0.098	--		1
1,2,4-Trimethylbenzene	0.114	0.020	--	0.560	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	0.053	0.020	--	0.318	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: L1019815
Report Date: 12/27/10

SAMPLE RESULTS

Lab ID:	L1019815-03	Date Collected:	11/30/10 13:40
Client ID:	GYM	Date Received:	12/13/10
Sample Location:	PROVIDENCE, RI	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	89		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	91		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1019815
Report Date: 12/27/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 12/26/10 16:06

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): 01-03 Batch: WG449338-4								
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: L1019815
Report Date: 12/27/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 12/26/10 16:06

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): 01-03 Batch: WG449338-4								
1,1,2-Trichloroethane	ND	0.020	–	ND	0.109	–		1
Toluene	ND	0.050	–	ND	0.188	–		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: L1019815
Report Date: 12/27/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-03 Batch: WG449338-3								
Dichlorodifluoromethane	107		-		70-130	-		25
Chloromethane	95		-		70-130	-		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	108		-		70-130	-		25
Vinyl chloride	102		-		70-130	-		25
1,3-Butadiene	102		-		70-130	-		25
Bromomethane	105		-		70-130	-		25
Chloroethane	100		-		70-130	-		25
Acetone	99		-		70-130	-		25
Trichlorofluoromethane	106		-		70-130	-		25
Acrylonitrile	94		-		70-130	-		25
1,1-Dichloroethene	105		-		70-130	-		25
Methylene chloride	98		-		70-130	-		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	110		-		70-130	-		25
Halothane	98		-		70-130	-		25
trans-1,2-Dichloroethene	98		-		70-130	-		25
1,1-Dichloroethane	100		-		70-130	-		25
Methyl tert butyl ether	95		-		70-130	-		25
2-Butanone	92		-		70-130	-		25
cis-1,2-Dichloroethene	108		-		70-130	-		25
Chloroform	109		-		70-130	-		25
1,2-Dichloroethane	105		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1019815
Report Date: 12/27/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-03 Batch: WG449338-3								
1,1,1-Trichloroethane	103		-		70-130	-		25
XYLENE (TOTAL)	110		-		70-130	-		25
Benzene	94		-		70-130	-		25
Carbon tetrachloride	107		-		70-130	-		25
1,2-Dichloropropane	98		-		70-130	-		25
Bromodichloromethane	99		-		70-130	-		25
1,4-Dioxane	95		-		70-130	-		25
Trichloroethene	102		-		70-130	-		25
cis-1,3-Dichloropropene	105		-		70-130	-		25
4-Methyl-2-pentanone	88		-		70-130	-		25
trans-1,3-Dichloropropene	92		-		70-130	-		25
1,1,2-Trichloroethane	103		-		70-130	-		25
Toluene	95		-		70-130	-		25
Dibromochloromethane	106		-		70-130	-		25
1,2-Dibromoethane	107		-		70-130	-		25
Tetrachloroethene	107		-		70-130	-		25
1,1,1,2-Tetrachloroethane	106		-		70-130	-		25
Chlorobenzene	108		-		70-130	-		25
Ethylbenzene	108		-		70-130	-		25
p/m-Xylene	110		-		70-130	-		25
Bromoform	109		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1019815
Report Date: 12/27/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-03 Batch: WG449338-3								
Styrene	107		-		70-130	-		25
1,1,2,2-Tetrachloroethane	103		-		70-130	-		25
o-Xylene	109		-		70-130	-		25
Isopropylbenzene	109		-		70-130	-		25
1,3,5-Trimethylbenzene	105		-		70-130	-		25
1,2,4-Trimethylbenzene	106		-		70-130	-		25
1,3-Dichlorobenzene	99		-		70-130	-		25
1,4-Dichlorobenzene	96		-		70-130	-		25
sec-Butylbenzene	105		-		70-130	-		25
p-Isopropyltoluene	98		-		70-130	-		25
1,2-Dichlorobenzene	100		-		70-130	-		25
n-Butylbenzene	105		-		70-130	-		25
1,2,4-Trichlorobenzene	99		-		70-130	-		25
Naphthalene	91		-		70-130	-		25
1,2,3-Trichlorobenzene	102		-		70-130	-		25
Hexachlorobutadiene	105		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1019815
Report Date: 12/27/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-03 Batch: WG449338-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101				70-130
Toluene-d8	107				70-130
Bromofluorobenzene	106				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1019815
Report Date: 12/27/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG449338-5 QC Sample: L1019815-03 Client ID: GYM						
Dichlorodifluoromethane	0.517	0.507	ppbV	2		25
Chloromethane	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Acetone	5.48	5.56	ppbV	1		25
Trichlorofluoromethane	0.265	0.263	ppbV	1		25
Acrylonitrile	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	3.35	3.30	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	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Chloroform	0.023	0.023	ppbV	0		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Benzene	0.186	0.199	ppbV	7		25
Carbon tetrachloride	0.089	0.092	ppbV	3		25

ALPHA ANALYTICAL

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1019815
Report Date: 12/27/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG449338-5 QC Sample: L1019815-03 Client ID: GYM					
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	0.320	0.328	ppbV	2	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	0.043	0.044	ppbV	2	25
1,1,1,2-Tetrachloroethane	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	0.078	0.080	ppbV	3	25
p/m-Xylene	0.231	0.244	ppbV	5	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	0.028	0.030	ppbV	7	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	0.075	0.079	ppbV	5	25

ALPHA ANALYTICAL

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1019815
Report Date: 12/27/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG449338-5 QC Sample: L1019815-03 Client ID: GYM					
Isopropylbenzene	ND	ND	ppbV	NC	25
1,3,5-Trimethybenzene	0.036	0.039	ppbV	8	25
1,2,4-Trimethylbenzene	0.114	0.127	ppbV	11	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	0.053	0.061	ppbV	14	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

ALPHA ANALYTICAL

Project Name: ALVAREZ HIGH SCHOOL

Lab Number: L1019815

Project Number: 14687.01

Report Date: 12/27/10

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
L1019815-01	CAFETERIA	0332	#90 SV		-	-	159	158	1
L1019815-01	CAFETERIA	975	6.0L Can	L1018128	-29.6	-4.6	-	-	-
L1019815-02	RM 145	0325	#90 SV		-	-	160	156	3
L1019815-02	RM 145	1634	6.0L Can	L1018128	-29 5	-4 4	-	-	-
L1019815-03	GYM	0321	#90 SV		-	-	155	151	3
L1019815-03	GYM	969	6.0L Can	L1018128	-28.8	-3.3	-	-	-

ALPHA ANALYTICAL

Air Volatiles Can Certification

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1018128
Report Date: 12/27/10

Air Canister Certification Results

Lab ID: L1018128-01
Client ID: CAN 615 SHELF 37
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/14/10 01:53
Analyst: RY

Date Collected: 11/11/10 00:00
Date Received: 11/11/10
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: L1018128
Report Date: 12/27/10

Air Canister Certification Results

Lab ID: L1018128-01
Client ID: CAN 615 SHELF 37
Sample Location:

Date Collected: 11/11/10 00:00
Date Received: 11/11/10
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

ALPHA ANALYTICAL

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1018128

Project Number: CANISTER QC BAT **Report Date:** 12/27/10

Air Canister Certification Results

Lab ID: L1018128-01 Date Collected: 11/11/10 00:00

Client ID: CAN 615 SHELF 37 Date Received: 11/11/10

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 (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: L1018128
Report Date: 12/27/10

Air Canister Certification Results

Lab ID: L1018128-01
Client ID: CAN 615 SHELF 37
Sample Location:

Date Collected: 11/11/10 00:00
Date Received: 11/11/10
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								
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

ALPHA ANALYTICAL

Project Name:	BATCH CANISTER CERTIFICATION	***Lab Number:***	L1018128
Project Number:	CANISTER QC BAT	***Report Date:***	12/27/10

Air Canister Certification Results

Lab ID:	L1018128-01	Date Collected:	11/11/10 00:00
Client ID:	CAN 615 SHELF 37	Date Received:	11/11/10
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	90		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	92		60-140

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

Lab Number: L1018128
Report Date: 12/27/10

Air Canister Certification Results

Lab ID: L1018128-01
Client ID: CAN 615 SHELF 37
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/14/10 01:53
Analyst: BS

Date Collected: 11/11/10 00:00
Date Received: 11/11/10
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	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: L1018128
Report Date: 12/27/10

Air Canister Certification Results

Lab ID: L1018128-01
Client ID: CAN 615 SHELF 37
Sample Location:

Date Collected: 11/11/10 00:00
Date Received: 11/11/10
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								
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

ALPHA ANALYTICAL

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

Lab Number: L1018128
Report Date: 12/27/10

Air Canister Certification Results

Lab ID: L1018128-01
Client ID: CAN 615 SHELF 37
Sample Location:

Date Collected: 11/11/10 00:00
Date Received: 11/11/10
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:***	L1018128
Project Number:	CANISTER QC BAT	***Report Date:***	12/27/10

Air Canister Certification Results

Lab ID:	L1018128-01	Date Collected:	11/11/10 00:00
Client ID:	CAN 615 SHELF 37	Date Received:	11/11/10
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	94		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	95		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1019815
Report Date: 12/27/10

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	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1019815-01A	Canister - 6 Liter	N/A	N/A		Y	Absent	TO15-SIM(30)
L1019815-02A	Canister - 6 Liter	N/A	N/A		Y	Absent	TO15-SIM(30)
L1019815-03A	Canister - 6 Liter	N/A	N/A		Y	Absent	TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name: ALVAREZ HIGH SCHOOL **Lab Number:** L1019815
Project Number: 14687.01 **Report Date:** 12/27/10

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
Project Number: 14687.01

Lab Number: L1019815
Report Date: 12/27/10

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:** L1019815
Project Number: 14687.01 **Report Date:** 12/27/10

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.

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 #: L1019815

Client Information

Client: EA Engineering
Address: 2374 Post Rd
Phone: 401-736-3440
Fax: 401-736-3423
Email: dandersen@eaestem
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Alvarez H.S
Project Location: Providence, RI
Project #: 14687.01
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)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

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) PID
L1019815 1	Cafeteria	11/30/10	12:05	12:35	-29.5	-1	AA	DA	6L	9575	0032			X					0.030 ppm
2	RM 145	↓	12:10	12:40	-30+	-1	AA	DA	6L	1634	0375			X					0.028 ppm
3	GYM	↓	13:10	13:40	-30+	-1	AA	DA	6L	969	0321			X					0.016 ppm

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

Container Type

Relinquished By:	Date/Time	Received By:	Date/Time:
12/13/10	9:50		12/13/10 0950

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.

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

Serial_No:12271014:13

Appendix C

Sub-Slab Air Analytical Summary and Lab Report

Summary of Sub-Slab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - October 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		2.280		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		2.180	
	29-May-08	NS		NS		NS		1.830		NS		NS		NS		1.820		1.880		1.860		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		2.880		NS	
	30-Sep-08	NS		NS		NS		2.500	U	NS		NS		NS		2.500	U	NS		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		25.000		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		3.780		NS		2.280		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		3.870		51.800	U	2.640		NS		2.790	
	15-Jan-10	2.500		NS		3.570		2.520		NS		2.810		NS		NS		2.280		2.250		NS	
	21-Apr-10	NS		0.568		NS		NS		2.200		NS		2.590		2.200		2.640		NS		2.430	
	18-Jul-10	3.380		NS		2.810		2.550		NS		2.980		NS		NS		3.150		3.290		NS	
	15-Oct-10	NS		3.130		NS		NS		2.870		NS		2.430		2.410		2.480		NS		2.430	
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		18.400		NS		2.440	U	NS		2.440	U
	22-Jul-09	18.900		NS		497.000	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	509.000	U	2.440	U	NS		2.440	U
	15-Jan-10	2.440	U	NS		2.780		2.440	U	NS		2.440		NS		NS		2.440	U	2.440		NS	
	21-Apr-10	NS		3.250		NS		NS		12.200	U	NS		12.200	U	12.200	U	2.440	U	NS		2.440	U
	18-Jul-10	1.320		NS		62.800		1.480		NS		7.780	U	NS		NS		1.030	U	1.030	U	NS	
	15-Oct-10	NS		1.030	U	NS		NS		1.030	U	NS		1.030	U	1.030	U	1.030	U	NS		1.030	U
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		0.051	U	NS		0.051	U	0.051	U	NS	
	30-Sep-08	NS		NS		NS		0.100	U	NS		NS		NS		0.100	U	NS		0.100		0.100	U
	27-Oct-08	0.100	U	NS		NS		NS		0.100	U	NS		NS		NS		0.100	U	NS		0.100	U
	25-Nov-08	NS		0.100	U	NS		NS		NS		0.100	U	NS		NS		0.100	U	0.100	U	NS	
	18-Dec-08	NS		NS		0.100	U	NS		NS		NS		0.100	U	NS		NS		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	0.051	U	NS	
	26-Mar-09	NS		0.255	U	NS		NS		NS		0.511	U	NS		NS		NS		0.051	U	0.051	U
	29-Apr-09	NS		NS		0.051		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		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		0.256	U	NS	U	0.256	U	0.255	U	0.051	U	NS		0.051	U
	18-Jul-10	0.051	U	NS		1.860		0.051	U	NS		0.386	U	NS		NS		0.051	U	0.051	U	NS	
	15-Oct-10	NS		0.051	U	NS		NS		0.051	U	NS		0.051	U	0.051	U	0.051	U	NS		0.051	U
Chloroethane	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		0.053	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		0.159		NS		0.053	U	NS		0.053	U
	29-May-08	NS		NS		NS		0.110		NS		NS		NS		0.100		0.070		0.050	U	NS	
	27-Jun-08	0.080	U	NS		NS		NS		0.132		NS		NS		NS		NS		0.053	U	0.053	U
	31-Jul-08	NS		0.053	U	NS		NS		NS		NS		NS		NS		0.053	U	NS		0.053	U
	28-Aug-08	NS		NS		0.053	U	NS		NS		NS		0.153		NS		0.053	U	0.075		NS	
	30-Sep-08	NS		NS		NS		1.300	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		1.800	
	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		NS		1.300	U	1.300	U
	21-Jan-09	NS		NS		NS		1.300	U	NS		NS		NS		1.300	U	1.300	U	1.300	U	NS	
	25-Feb-09	1.300	U	NS		NS		NS		1.300	U	NS		NS		NS		1.300	U	1.300	U	NS	
	26-Mar-08	NS		0.264	U	NS		NS		NS		0.527	U	NS		NS		NS		0.121		0.053	
	29-Apr-08	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	0.061		NS	
	9-Oct-09	NS		0.053	U	NS		NS		0.058		NS		0.409		11.000	U	0.053	U	NS		0.053	U
	15-Jan-10	0.093	U	NS		0.074		0.086		NS		0.055		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		0.118	
	18-Jul-10	0.100		NS		2.590		0.188		NS		0.398	U	NS		NS		0.053	U	0.087		NS	
	15-Oct-10	NS		0.053	U	NS		NS		0.082		NS		0.071		0.053	U	0.053	U	NS		0.053	U

Date Modified 1/7/2011

Summary of Sub-Slab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - October 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		5.620		11.400		NS	
	27-Mar-08	NS		28.700		NS		NS		NS		NS		513.000		NS		NS		217.000		12.400	
	25-Apr-08	NS		NS		188.000		NS		NS		NS		NS		NS		54.000		NS		33.800	
	29-May-08	NS		NS		NS		40.900		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	
	28-Aug-08	NS		NS		1130.000		NS		NS		NS		30.900		NS		46.000		47.800		NS	
	30-Sep-08	NS		NS		NS		32.800		NS		NS		NS		44.100		NS		9.400		12.800	
	27-Oct-08	18.800		NS		NS		NS		15.000		NS		NS		NS		17.900		NS		33.100	
	25-Nov-08	NS		148.000		NS		NS		NS		183.000		NS		NS		13.000		24.700		NS	
	18-Dec-08	NS		NS		856.000		NS		NS		NS		10.400		NS		NS		37.200		22.000	
	21-Jan-09	NS		NS		NS		19.100		NS		NS		NS		8.100		2.400	U	NS		4.800	
	25-Feb-09	26.800		NS		NS		NS		80.900		NS		NS		NS		9.500		8.300		NS	
	26-Mar-09	NS		102.000		NS		NS		NS		47.500	U	NS		NS		NS		50.800		64.800	
	29-Apr-09	NS		NS		1980.000		NS		NS		NS		23.300		NS		5.150		NS		22.100	
	22-Jul-09	58.500		NS		58.5		148.000		NS		67.800		NS		NS		88.000		88.100		NS	
	9-Oct-09	NS		25.700		NS		NS		48.700		NS		9.200		11100.000		6.510		NS		16.800	
	15-Jan-10	33.800		NS		80.800		22.800		NS		26.300		NS		NS		12.500		11.200		NS	
	21-Apr-10	NS		21.800		NS		NS		208.000		NS		263.000		2870.000		72.800		NS		73.400	
	16-Jul-10	654.000		NS		4800.000		202.000		NS		11400.000		NS		NS		8.340		21.100		NS	
	15-Oct-10	NS		13.300		NS		NS		28.000		NS		10.200		18.300		7.030		NS		21.200	
Trichlorofluoromethane	8-Feb-08	1.220		NS		NS		NS		1.220		NS		NS		NS		1.080		15.900		NS	
	27-Mar-08	NS		1.270		NS		NS		NS		1.160		NS		NS		NS		12.000		9.020	
	25-Apr-08	NS		NS		1.180		NS		NS		NS		5.200		NS		1.080		NS		9.610	
	29-May-08	NS		NS		NS		33.900		NS		NS		NS		0.980		1.050		10.800		NS	
	27-Jun-08	1.290		NS		NS		NS		75.200		NS		NS		NS		NS		8.850		8.890	
	31-Jul-08	NS		1.010		NS		NS		NS		NS		NS		NS		0.958		NS		5.100	
	28-Aug-08	NS		NS		2.530		NS		NS		NS		18.000		NS		1.790		15.800		NS	
	30-Sep-08	NS		NS		NS		53.800		NS		NS		NS		2.800	U	NS		14.900		10.400	
	27-Oct-08	2.800	U	NS		NS		NS		44.400		NS		NS		NS		6.100		NS		2.800	U
	25-Nov-08	NS		10.000		NS		NS		NS		12.200		NS		NS		2.800	U	34.000		NS	
	18-Dec-08	NS		NS		2.800	U	NS		NS		NS		4.900		NS		NS		4.800		7.100	
	21-Jan-09	NS		NS		NS		26.900		NS		NS		NS		7.200		2.800	U	NS		10.400	
	25-Feb-09	2.800	U	NS		NS		NS		14.800		NS		NS		NS		2.800	U	7.100		NS	
	26-Mar-09	NS		1.430		NS		NS		NS		2.810	U	NS		NS		NS		19.800		10.300	
	29-Apr-09	NS		NS		1.450		NS		NS		NS		4.230		NS		1.270		NS		3.170	
	22-Jul-09	1.490		NS		1.460		19.900		NS		3.420		NS		NS		1.280		8.480		NS	
	9-Oct-09	NS		0.158		NS		NS		20.000		NS		11.000		58.800	U	1.85		NS		9.320	
	15-Jan-10	1.390		NS		2.100		18.800		NS		1.780		NS		NS		1.340		15.400		NS	
	21-Apr-10	NS		0.498		NS		NS		19.100		NS		4.830		1.400	U	4.950		NS		5.470	
	16-Jul-10	2.800		NS		1.340		18.400		NS		2.120	U	NS		NS		2.230		19.800		NS	
	15-Oct-10	NS		9.830		NS		NS		72.200		NS		13.700		5.850		9.850		NS		10.000	
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		NS	
	29-May-08	NS		NS		NS		1.080	U	NS		NS		NS		1.080	U	1.080	U	1.080	U	1.080	U
	27-Jun-08	1.080	U	NS		NS		NS		1.080	U	NS		NS		NS		NS		1.080	U	1.080	U
	31-Jul-08	NS		1.080	U	NS		NS		NS		NS		NS		NS		1.080	U	NS		NS	
	28-Aug-08	NS		NS		1.080	U	NS		NS		NS		1.080	U	NS		1.080	U	1.080	U	1.080	U
	30-Sep-08	NS		NS		NS		2.200	U	NS		NS		NS		2.200	U	NS		2.200		2.200	U
	27-Oct-08	2.200	U	NS		NS		2.200	U	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		2.200	U	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		2.200	U	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		1.080	U	NS		1.080	U
	29-Apr-09	NS		NS		1.080	U	NS		NS		NS		1.080	U	NS		1.080	U	1.080	U	NS	
	22-Jul-09	5.420	U	NS		5.420	U	10.800	U	NS		5.420	U	NS		NS		1.080	U	NS		1.080	U
	9-Oct-09	NS		0.051	U	NS		NS		1.080	U	NS		1.080	U	226.000	U	1.080	U	1.080	U	NS	
	15-Jan-10	1.080	U	NS		1.080	U	1.080	U	NS		1.080	U	NS		NS		1.080	U	NS		1.080	U
	21-Apr-10	NS		1.080	U	NS		NS		5.420	U	NS		5.420	U	5.420	U	1.080	U	1.080	U	NS	
	16-Jul-10	1.080	U	NS		1.080	U	1.080	U	NS		8.190	U	NS		NS		1.080	U	NS		1.080	U
	15-Oct-10	NS		0.188	U	NS		NS		1.080	U	NS		1.080	U	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		0.078	U	NS		NS		NS		0.078	U	NS		NS		NS		0.078	U	0.078	U
	25-Apr-08	NS		NS		0.078	U	NS		NS		NS		0.079	U	NS		0.078	U	NS		0.078	U
	29-May-08	NS		NS		NS		0.080	U	NS		NS		NS		0.080	U	0.080	U	NS		NS	
	27-Jun-08	0.123	U	NS		NS		NS		0.078	U	NS		NS		NS		NS		0.078	U	0.078	U
	31-Jul-08	NS		0.078	U	NS		NS		NS		NS		NS		NS		0.078	U	NS		0.078	U
	28-Aug-08	NS		NS		0.078	U	NS		NS		NS		0.078	U	NS		0.078	U	0.078	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	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		NS		7.000	U
	21-Jan-09	NS		NS		NS		2.000	U	NS		NS		NS		2.000	U	2.000	U	2.000	U	2.000	U
	25-Feb-09	2.000	U	NS		NS		NS		2.000	U	NS		NS		NS		NS		2.000	U	NS	
	26-Mar-09	NS		0.398	U	NS		NS		NS		0.792	U	NS		NS		NS		0.078	U	0.078	U
	29-Apr-09	NS		NS		0.078	U	NS		NS		NS		0.079	U	NS		0.078	U	NS		0.078	U
	22-Jul-09	0.398	U	NS		18.200	U	0.792	U	NS		0.398	U	NS		NS		0.079	U	0.079	U	NS	
	9-Oct-09	NS		0.078	U	NS		NS		0.078	U	NS		0.079	U	18.500	U	0.078	U	NS		0.078	U
	15-Jan-10	0.137	U	NS		0.079	U	0.079	U	NS		0.079	U	NS		NS		0.078	U	0.078	U	NS	
	21-Apr-10	NS		0.079	U	NS		NS		0.398	U	NS		0.398	U	0.398	U	0.079	U	NS		0.079	U
	16-Jul-10	0.079	U	NS		0.206		0.079	U	NS		0.398	U	NS		NS		0.079	U	0.078	U	NS	
	15-Oct-10	NS		0.078	U	NS		NS		0.078	U	NS		0.079	U	0.078	U	0.078	U	NS		0.078	U

Date Modified 1/7/2011

Summary of Sub-Slab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - October 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
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		2.100		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		1.740	U	2.810		1.740	U	NS	
	27-Jun-08	4.330	U	NS		NS		NS		3.880		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		1.740	U	NS		1.740	U	1.740	U	NS	
	30-Sep-08	NS		NS		NS		1.700	U	NS		NS		NS		1.700	U	NS		1.700	U	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		NS		1.700	U	1.700	U
	21-Jan-09	NS		NS		NS		1.700	U	NS		NS		NS		1.700	U	1.700	U	NS		1.700	U
	25-Feb-09	1.700	U	NS		NS		NS		1.700	U	NS		NS		NS		NS		1.700	U	1.700	U
	26-Mar-09	NS		16.100		NS		NS		NS		17.400	U	NS		NS		NS		1.740	U	NS	
	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	36.800	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	162.000	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		0.868	U	NS		8.680	U	8.680	U	1.740		NS		1.740	
	16-Jul-10	24.000		NS		21.500		19.500		NS		26.200	U	NS		NS		27.1		26.500		NS	
	15-Oct-10	NS		3.470	U	NS		NS		3.470	U	NS		3.470	U	3.470	U	3.470	U	NS		3.470	U
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		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	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		2.000	U	2.000	U	NS		2.000	U
	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		0.396	U	NS		NS		NS		0.792	U	NS		NS		NS		NS		0.079	U
	29-Apr-09	NS		NS		0.079	U	NS		NS		NS		0.079	U	NS		0.079	U	NS		NS	
	22-Jul-09	0.396	U	NS		0.396	U	0.792	U	NS		0.396	U	NS		NS		0.079	U	0.079	U	0.079	U
	9-Oct-09	NS		0.079	U	NS		NS		0.079		NS		0.079	U	16.500	U	0.079	U	NS		NS	
	15-Jan-10	0.079		NS		0.079		0.079		NS		0.079	U	NS		NS		0.079	U	0.079	U	0.079	U
	21-Apr-10	NS		0.079	U	NS		NS		0.396	U	NS		3.960	U	0.396	U	0.079	U	NS		NS	
	16-Jul-10	0.079	U	NS		0.079	U	0.079	U	NS		0.590	U	NS		NS		0.079	U	0.079	U	0.079	U
	15-Oct-10	NS		0.079	U	NS		NS		0.079	U	NS		0.079	U	0.079	U	0.079	U	NS		0.079	U
1,1-Dichloroethane	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		NS	
	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	0.126	U	NS		NS		NS		0.081	U	NS		NS		NS		NS		0.081	U	0.081	U
	31-Jul-08	NS		0.081	U	NS		NS		NS		NS		NS		NS		0.081	U	NS		0.081	U
	28-Aug-08	NS		NS		0.081	U	NS		NS		NS		0.081	U	NS		0.081	U	0.081	U	NS	
	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	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		2.000	U	2.000	U	NS		2.000	U
	25-Feb-09	2.000	U	NS		NS		NS		2.000	U	NS		NS		NS		NS		0.081	U	0.081	U
	26-Mar-09	NS		0.404	U	NS		NS		NS		0.808	U	NS		NS		NS		NS		0.081	U
	29-Apr-09	NS		NS		0.160		NS		NS		NS		0.081	U	NS		0.121		NS		NS	
	22-Jul-09	0.404	U	NS		16.500	U	0.801	U	NS		0.404	U	NS		NS		0.081	U	0.081	U	NS	
	9-Oct-09	NS		0.081	U	NS		NS		0.081	U	NS		0.081	U	16.900	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		2.490		0.081	U	NS		0.811	U	NS		NS		0.081	U	0.081	U	NS	
	15-Oct-10	NS		0.081	U	NS		NS		0.081	U	NS		0.081	U	0.081	U	081	U	NS		0.081	U
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		0.070	U	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	NS		NS	
	18-Dec-08	NS		NS		1.800	U	NS		NS		NS		1.800	U	NS		NS		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	5.800		NS		NS		NS		1.800	U	NS		NS		NS		NS		0.072	U	0.072	U
	26-Mar-09	NS		0.360	U	NS		NS		NS		0.720	U	NS		NS		0.072	U	NS		0.072	U
	29-Apr-09	NS		NS		0.072	U	NS		NS		NS		0.072	U	NS		NS		0.072	U	NS	
	22-Jul-09	0.360	U	NS		0.360	U	0.720	U	NS		0.360	U	NS		NS		0.072	U	0.072	U	0.083	
	9-Oct-09	NS		0.072	U	NS		NS		0.072	U	NS		0.072	U	15.000	U	0.086		NS		NS	
	15-Jan-10	0.079		NS		0.072	U	0.072	U	NS		0.072	U	NS		NS		0.072	U	0.072	U	0.072	U
	21-Apr-10	NS		0.072	U	NS		NS		0.360	U	NS		3.600	U	0.360	U	0.072	U	NS		NS	
	16-Jul-10	0.072	U	NS		0.072	U	0.072	U	NS		0.544	U	NS		NS		0.072	U	0.072	U	0.072	U
	15-Oct-10	NS		0.072	U	NS		NS		0.072	U	NS		0.072	U	0.072	U	0.072	U	NS		0.072	U

Date Modified 1/7/2011

Summary of Sub-Slab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - October 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
2-Butanone	8-Feb-08	128.000		NS		NS		NS		1.470	U	NS		NS		NS		3.080		10.800		NS	
	27-Mar-08	NS		228.000		NS		NS		NS		NS		NS		NS		NS		11.900		3.900	
	25-Apr-08	NS		NS		477.000		NS		NS		NS		1680.000		NS		2.240		NS		1.470	U
	29-May-08	NS		NS		NS		527.000		NS		NS		NS		581.000		2.270		3.040		NS	
	27-Jun-08	1080.000		NS		NS		NS		586.000		NS		NS		NS		NS		6.920		3.640	
	31-Jul-08	NS		1350.000		NS		NS		NS				NS		NS		12.000		NS		2.580	
	28-Aug-08	NS		NS		8360.000		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		602.000		NS		NS		NS		259.000		NS		NS		1.800		2.400		NS	
	18-Dec-08	NS		NS		5630.000		NS		NS		NS		8.300		NS		NS		2.600		3.300	
	21-Jan-09	NS		NS		NS		208.000		NS		NS		NS		24.000		1.900	U	NS		1.500	U
	25-Feb-09	30.000		NS		NS		NS		198.000		NS		NS		NS		1.500	U	1.500	U	NS	
	26-Mar-09	NS		928.000		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		21.800				2.800		NS	
	9-Oct-09	NS		288.000		NS		NS		1.470	U	NS		19.100		22700.000		2.750		NS		12.800	
	15-Jan-10	29.800		NS		826.000		84.100		NS		38.400		NS		NS		2.840		1.800		NS	
	21-Apr-10	NS		8.440		NS		NS		7.370	U	NS		34.800		1540.000		16.800		NS		14.500	
	16-Jul-10	5320.000		NS		21000.000		441.000		NS		10400.000		NS		NS		1.540		2.800		NS	
	15-Oct-10	NS		197.000		NS		NS		44.900		NS		2.880		16.200		1.470	U	NS		1.920	
cis-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		NS		NS		NS		0.080	U	0.080	U	0.080	U	NS	
	27-Jun-08	0.123	U	NS		NS		NS		0.078	U	NS		NS		NS		NS		0.079	U	0.079	U
	31-Jul-08	NS		0.078	U	NS		NS		NS		NS		NS		NS		0.079	U	NS		NS	
	28-Aug-08	NS		NS		0.078	U	NS		NS		NS		0.079	U	NS		0.078	U	0.079	U	NS	
	30-Sep-08	NS		NS		NS		5.900	U	NS		NS		NS		5.900	U	NS		5.900	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		2.000	U	2.000	U	NS		2.000	U
	25-Feb-09	2.000	U	NS		NS		NS		2.000	U	NS		NS		NS		NS		2.000	U	NS	
	26-Mar-09	NS		0.398	U	NS		NS		NS		0.792	U	NS		NS		0.079	U	0.079	U	0.079	U
	29-Apr-09	NS		NS		0.079	U	NS		NS		NS		0.079	U	NS		NS		NS		0.079	U
	22-Jul-09	0.398	U	NS		595.000		0.792	U	NS		0.398	U	NS		0.079	U	0.079	U	0.079	U	NS	
	9-Oct-09	NS		0.079	U	NS		NS		0.079	U	NS		0.079	U	18.500	U	NS		0.079	U	0.079	U
	15-Jan-10	0.079	U	NS		0.079	U	0.079	U	NS		0.078	U	NS		NS		0.079	U	0.079	U	NS	
	21-Apr-10	NS		0.078	U	NS		NS		0.398	U	NS		0.398	U	0.398	U	0.079	U	NS		0.079	U
	16-Jul-10	0.079	U	NS		0.079	U	0.079	U	NS		0.398	U	NS		NS		0.079	U	0.079	U	NS	
	15-Oct-10	NS		0.079	U	NS		NS		0.079	U	NS		0.078	U	0.078	U	0.079	U	NS		0.079	U
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		0.847	
	25-Apr-08	NS		NS		0.231		NS		NS		NS		0.203		NS		0.134		NS		0.265	
	29-May-08	NS		NS		NS		0.140		NS		NS		NS		0.100	U	0.110		0.140		NS	
	27-Jun-08	0.283		NS		NS		NS		0.623		NS		NS		NS		NS		0.305		0.395	
	31-Jul-08	NS		0.145		NS		NS		NS		NB		NS		NS		0.130		NS		0.124	
	28-Aug-08	NS		NS		0.098	U	NS		NS		NS		1.200		NS		0.331		0.398		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		0.240	U	0.240	U	NS		0.240	U
	25-Feb-09	0.240	U	NS		NS		NS		0.240	U	NS		NS		NS		0.240	U	0.240	U	NS	
	26-Mar-08	NS		0.488	U	NS		NS		NS		1.290		NS		NS		NS		0.285		0.200	
	29-Apr-08	NS		NB		0.086	U	NS		NS		NS		0.138		NS		0.086	U	NS		1.340	
	22-Jul-08	0.488	U	NB		19.900	U	0.874	U	NB		0.488	U	NS		NS		0.429		0.220		NS	
	9-Oct-09	NS		0.205		NS		NS		0.293		NS		0.268		20.400	U	0.317		NS		0.312	
	15-Jan-10	0.178		NS		7.220		0.148		NB		0.180		NS		NS		0.086	U	0.185		NS	
	21-Apr-10	NS		0.086	U	NS		NS		0.488	U	NS		0.486	U	0.486	U	0.220		NS		0.200	
	16-Jul-10	0.381		NS		0.086	U	0.215		NS		0.737	U	NS		NS		0.205	U	0.348		NS	
	15-Oct-10	NS		0.171		NS		NS		0.748		NS		0.654		0.117		0.102		NS		0.188	
1,2-Dichloroethane	8-Feb-08	0.080	U	NS		NS		NB		0.080	U	NS		NB		NS		0.080		0.080	U	NS	
	27-Mar-08	NS		0.081	U	NS		NS		NS		0.143		NS		NS		NS		0.081	U	0.100	
	25-Apr-08	NS		NS		0.081	U	NS		NS		NS		0.081	U	NS		0.081	U	NS		0.088	
	29-May-08	NS		NS		NS		0.080		NS		NS		NS		0.110		0.080	U	0.080	U	NS	
	27-Jun-08	0.128	U	NS		NS		NS		0.153		NB		NS		NB		NB		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		0.171		NS		NS		NS		NS		NS		0.081	U	0.081	U	NS	
	27-Oct-08	NS		NS		NS		0.080	U	NS		NS		NS		0.080	U	NS		0.080	U	0.080	U
	27-Oct-08	0.080	U	NS		NS		NS		0.080	U	NS		NS		NS		0.080	U	NS		0.085	
	25-Nov-08	NS		0.080	U	NS		NS		NB		0.080	U	NS		NS		0.080	U	0.080	U	NS	
	18-Dec-08	NS		NS		0.080	U	NS		NS		NS		0.080	U	NS		NS		NS		0.080	U
	21-Jan-09	NS		NS		NS		0.080	U	NS		NS		NS		0.080	U	0.080	U	0.080	U	NS	
	25-Feb-09	0.080	U	NS		NS		NS		0.080	U	NS		NS		NS		NS		0.096		0.133	
	26-Mar-08	NS		0.404	U	NB		NS		NS		0.808	U	NS		NS		0.081	U	NS		0.088	
	29-Apr-09	NS		NS		0.318		NS		NS		NS		0.081	U	NS		0.081	U	0.081	U	NS	
	22-Jul-08	0.404	U	NB		18.500	U	0.808	U	NS		0.404	U	NS		NS		0.081	U	NS		0.081	U
	9-Oct-09	NS		0.081	U	NS		NS		0.081	U	NS		0.081	U	16.900	U	0.081	U	0.081	U	NS	
	15-Jan-10	0.081	U	NS		0.081	U	0.081	U	NS		0.081	U	NS		NS		0.081	U	NS		0.081	U
	21-Apr-10	NS		0.081	U	NS		NS		0.404	U	NS		0.404	U	0.404	U	0.081	U	0.081	U	NS	
	16-Jul-10	0.101		NB		1.440		0.081	U	NS		0.811	U	NS		NS		0.081	U	NS		0.081	U
	15-Oct-10	NS		0.081	U	NS		NS		0.081	U	NS		0.081	U	0.081	U	0.081	U	NS		0.081	U

Date Modified 1/7/2011

Summary of Sub-Slab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - October 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
1,1,1-Trichloroethane*	8-Feb-08	0.110	U	NS		NS		NS		0.110	U	NS		NS		NS		0.110	U	0.560		NS	
	27-Mar-08	NS		0.109	U	NS		NS		NS		0.109	U	NS		NS		NS		0.522		0.288	
	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		0.110	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	
	18-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		1.580		NS		NS		NS		1.080	U	NS		NS		NS		0.862		0.215	
	29-Apr-09	NS		NS		0.174		NS		NS		NS		0.147		NS		0.156		NS		0.181	
	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	
	9-Oct-09	NS		0.109	U	NS		NS		0.158		NS		0.191		22.800	U	0.109	U	NS		0.138	
	15-Jan-10	0.109	U	NS		0.109	U	1.090	U	NS		0.109	U	NS		NS		0.109	U	0.882		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
	18-Jul-10	0.109	U	NS		0.108	U	0.109	U	NS		0.824	U	NS		NS		0.109	U	0.582		NS	
	15-Oct-10	NS		0.272		NS		NS		0.548		NS		0.109	U	0.109	U	0.109	U	NS		0.109	U
Benzene	8-Feb-08	0.920		NS		NS		NS		0.880		NS		NS		NS		0.540		0.850		NS	
	27-Mar-08	NS		0.540		NS		NS		NS		0.462		NS		NS		NS		0.788		0.835	
	25-Apr-08	NS		NS		0.564		NS		NS		NS		0.745		NS		0.428		NS		0.538	
	29-May-08	NS		NS		NS		0.730		NS		NS		NS		1.030		1.120		0.810		NS	
	27-Jun-08	0.629		NS		NS		NS		0.468		NS		NS		NS		NS		0.469		0.588	
	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		0.815		0.882		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		1.800	U	NS		NS		NS		1.800	U	NS		1.800	U
	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		NS		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	U	NS		NS		NS		1.800	U	NS		NS		NS		1.800	U	1.800	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		0.603		NS		NS		NS		0.246		NS		0.223	U	NS		0.367	
	22-Jul-09	1.120	U	NS		58.000		2.230	U	NS		1.450		NS		NS		4.270		0.829		NS	
	9-Oct-09	NS		1.150		NS		NS		0.974		NS		0.431		48.600	U	0.818		NS		0.824	
	15-Jan-10	0.783		NS		0.867		0.980		NS		1.260		NS		NS		0.964		0.964		NS	
	21-Apr-10	NS		0.373		NS		NS		0.160	U	NS		1.600	U	1.610		0.635		NS		1.290	
	18-Jul-10	0.332		NS		1.530		0.988		NS		2.410	U	NS		NS		0.319	U	0.319	U	NS	
	15-Oct-10	NS		0.319	U	NS		NS		0.319	U	NS		0.319	U	0.319	U	NS		0.319	U	0.319	U
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		0.578		0.574	
	25-Apr-08	NS		NS		0.417		NS		NS		NS		0.446		NS		0.459		NS		0.448	
	29-May-08	NS		NS		NS		0.490		NS		NS		NS		0.490		0.470		0.480		NS	
	27-Jun-08	0.478		NS		NS		NS		0.506		NS		NS		NS		NS		0.533		0.553	
	31-Jul-08	NS		0.576		NS		NS		NS		NS		NS		NS		0.546		NS		0.495	
	28-Aug-08	NS		NS		0.515		NS		NS		NS		0.549		NS		0.587		0.583		NS	
	30-Sep-08	NS		NS		NS		0.511		NS		NS		NS		0.577		NS		0.451		0.489	
	27-Oct-08	0.490		NS		NS		NS		0.360		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	
	18-Dec-08	NS		NS		0.230		NS		NS		NS		0.280		NS		NS		0.480		0.480	
	21-Jan-09	NS		NS		NS		0.360		NS		NS		NS		0.470		0.270		NS		0.870	
	25-Feb-09	0.390		NS		NS		NS		0.380		NS		NS		NS		0.370		0.380		NS	
	26-Mar-09	NS		0.829	U	NS		NS		NS		1.280	U	NS		NS		NS		0.801		0.585	
	29-Apr-09	NS		NS		0.484		NS		NS		NS		0.526		NS		0.522		NS		0.954	
	22-Jul-09	0.829	U	NS		25.600	U	1.280	U	NS		0.829	U	NS		NS		0.515		0.903		NS	
	9-Oct-09	NS		0.881		NS		NS		0.888		NS		0.465		28.200	U	0.710		NS		0.891	
	15-Jan-10	0.427		NS		0.847		0.988		NS		0.541		NS		NS		0.541		0.928		NS	
	21-Apr-10	NS		0.129		NS		NS		0.829	U	NS		0.829	U	0.829	U	0.810		NS		0.903	
	18-Jul-10	0.458		NS		0.478		0.515		NS		0.950	U	NS		NS		0.559		0.508		NS	
	15-Oct-10	NS		0.509		NS		NS		0.434		NS		0.383		0.402		0.431		NS		0.440	
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		0.082	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		0.090	U	NS		NS		NS		0.090	U	0.090	U	0.090	U	NS	
	27-Jun-08	0.144	U	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		0.082	U	NS		0.082	U	0.082	U	NS	
	30-Sep-08	NS		NS		NS		0.090	U	NS		NS		NS		0.090	U	NS		0.090	U	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	
	18-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		0.824	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	0.462	U	NS		18.800	U	0.924	U	NS		0.462	U	NS		NS		0.082	U	0.082	U	NS	
	9-Oct-09	NS		0.082	U	NS		NS		0.082	U	NS		0.082	U	18.300	U	0.082	U	NS		0.082	U
	15-Jan-10	0.082	U	NS		0.082	U	0.082	U	NS		0.082	U	NS		NS		0.082	U	0.082	U	NS	
	21-Apr-10	NS		0.082	U	NS		NS		0.462	U	NS		0.462	U	0.462	U	0.082	U	NS		0.082	U
	18-Jul-10	0.082	U	NS		0.082	U	0.082	U	NS		0.488	U	NS		NS		0.082	U	0.082	U	NS	
	15-Oct-10	NS		0.082	U	NS		NS		0.082	U	NS		0.082	U	0.082	U	0.082	U	NS		0.082	U

Summary of Sub-Slab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - October 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
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	0.209	U	NS		NS		NS		0.134	U	NS		NS		NS		NS		0.134	U	0.134	U
	31-Jul-08	NS		0.134	U	NS		NS		NS		NS		NS		NS		NS		0.134	U	NS	
	28-Aug-08	NS		NS		0.134	U	NS		NS		NS		0.134	U	NS		0.134	U	0.134	U	0.134	U
	30-Sep-08	NS		NS		NS		0.520		NS		NS		NS		NS		0.130	U	NS		0.130	U
	27-Oct-08	0.130	U	NS		NS		NS		1.070		NS		NS		NS		0.130	U	0.130	U	0.130	U
	25-Nov-08	NS		0.130	U	NS		NS		NS		0.130	U	NS		NS		NS		NS		0.130	U
	18-Dec-08	NS		NS		0.130	U	NS		NS		NS		0.130	U	NS		0.130	U	0.130	U	NS	
	21-Jan-09	NS		NS		NS		0.130	U	NS		NS		NS		NS		NS		0.130	U	0.130	U
	25-Feb-09	0.130	U	NS		NS		NS		0.130	U	NS		NS		NS		NS		NS		0.134	U
	26-Mar-09	NS		0.670	U	NS		NS		NS		1.340	U	NS		NS		0.134	U	NS		0.134	U
	29-Apr-09	NS		NS		0.134	U	NS		NS		NS		0.134	U	NS		0.134	U	NS		0.134	U
	22-Jul-09	0.670	U	NS		27.300	U	1.340	U	NS		0.670	U	NS		NS		0.134	U	0.134	U	NS	
	8-Oct-09	NS		0.134	U	NS		NS		0.134	U	NS		0.134	U	28.000	U	0.134	U	NS		0.134	U
	15-Jan-10	0.134	U	NS		0.134	U	0.134	U	NS		0.134	U	NS		NS		0.134	U	0.134	U	NS	
	21-Apr-10	NS		0.134	U	NS		NS		0.670	U	NS		0.670	U	0.670	U	0.134	U	NS		0.134	U
	18-Jul-10	0.134	U	NS		0.134	U	0.134	U	NS		1.010	U	NS		NS		0.134	U	0.134	U	NS	
	15-Oct-10	NS		0.134	U	NS		NS		0.134	U	NS		0.134	U	0.134	U	0.134	U	NS		0.134	U
Trichloroethene*	8-Feb-08	0.120		NS		NS		NS		0.110	U	NS		NS		NS		0.200		19.600		NS	
	27-Mar-08	NS		0.107	U	NS		NS		NS		0.152		NS		NS		NS		13.400		5.340	
	25-Apr-08	NS		NS		0.199		NS		NS		NS		1.350		NS		0.858		NS		5.790	
	29-May-08	NS		NS		NS		26.500		NS		NS		NS		NS		0.150		0.370		NS	
	27-Jun-08	0.408		NS		NS		NS		258.000		NS		NS		NS		NS		13.800		4.560	
	31-Jul-08	NS		1.240		NS		NS		NS		NS		NS		NS		NS		0.128		9.290	
	28-Aug-08	NS		NS		0.558		NS		NS		NS		3.560		NS		0.432		18.400		NS	
	30-Sep-08	NS		NS		NS		58.200		NS		NS		NS		0.800	U	NS		22.700		1.950	
	27-Oct-08	0.800	U	NS		NS		NS		117.000		NS		NS		NS		2.990		NS		0.800	U
	25-Nov-08	NS		2.920		NS		NS		NS		1.880		NS		NS		0.540	U	39.800		NS	
	18-Dec-08	NS		NS		0.540	U	NS		NS		NS		0.540	U	NS		NS		4.560		2.460	
	21-Jan-09	NS		NS		NS		19.600		NS		NS		NS		0.540	U	0.540	U	NS		4.980	
	25-Feb-09	0.440		NS		NS		NS		69.500		NS		NS		NS		0.580		10.700		NS	
	26-Mar-09	NS		9.200		NS		NS		NS		3.880		NS		NS		NS		29.100		5.490	
	29-Apr-09	NS		NS		0.220		NS		NS		NS		1.200		NS		0.392		NS		2.980	
	22-Jul-09	0.537	U	NS		0.537	U	12.700		NS		3.180		NS		NS		0.354		10.300		NS	
	8-Oct-09	NS		0.081	U	NS		NS		26.000		NS		1.240		22.400	U	0.182		NS		3.280	
	15-Jan-10	0.581		NS		0.242		17.700		NS		0.172		NS		NS		0.107	U	18.500		NS	
	21-Apr-10	NS		0.107	U	NS		NS		34.000		NS		0.940		0.537	U	0.881		NS		2.010	
	18-Jul-10	0.333		NS		0.333		8.140		NS		0.811	U	NS		NS		0.107		27.800		NS	
	15-Oct-10	NS		2.290		NS		NS		129.000		NS		1.920		0.177		0.317		NS		1.100	
cis-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		0.091	U	0.091	U	NS		NS	
	28-Aug-08	NS		NS		0.091	U	NS		NS		NS		0.091	U	NS		0.091	U	0.091	U	NS	
	27-Oct-08	NS		NS		NS		0.180	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		NS		0.180	U	NS		0.180	U
	25-Feb-09	0.180	U	NS		NS		NS		0.180	U	NS		0.907	U	NS		NS		0.610	U	0.081	U
	26-Mar-09	NS		0.453	U	NS		NS		NS		NS		0.081	U	NS		0.081	U	NS		0.081	U
	29-Apr-09	NS		NS		0.081	U	NS		NS		0.453	U	NS		NS		0.081	U	0.081	U	NS	
	22-Jul-09	0.453	U	NS		18.500	U	0.907	U	NS		0.081	U	NS		0.081	U	18.500	U	0.081	U	NS	
	8-Oct-09	NS		0.081	U	NS		NS		NS		0.081	U	NS		NS		NS		0.081	U	0.081	U
	15-Jan-10	0.081	U	NS		0.081	U	0.081	U	NS		0.453	U	0.453	U	0.453	U	0.081	U	NS		NS	
	21-Apr-10	NS		0.081	U	NS		NS		0.453	U	NS		NS		NS		0.081	U	0.081	U	0.081	U
	18-Jul-10	0.081	U	NS		0.081	U	0.081	U	NS		0.085	U	NS		0.081	U	0.081	U	NS		0.081	U
	15-Oct-10	NS		0.081	U	NS		NS		0.081	U	NS		0.081	U	0.081	U	0.081	U	NS		0.081	U
4-Methyl-2-pentanone	8-Feb-08	2.050	U	NS		NS		NS		2.050	U	NS		NS		NS		2.050	U	8.700		NS	
	27-Mar-08	NS		2.050	U	NS		NS		NS		NS		NS		NS		NS		15.200		2.050	U
	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		2.050	U	2.050	U	2.050	U	NS	
	27-Jun-08	3.180	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		2.050	U	2.050	U	2.050	U	NS	
	28-Aug-08	NS		NS		2.050	U	NS		NS		NS		2.050	U	NS		2.000	U	2.000	U	2.000	U
	30-Sep-08	NS		NS		NS		2.000	U	NS		NS		NS		NS		NS		NS		2.000	U
	27-Oct-08	2.000	U	NS		NS		NS		2.000	U	2.000	U	NS		NS		2.000	U	2.000	U	NS	
	25-Nov-08	NS		3.500		NS		NS		NS		NS		2.000	U	NS		NS		2.000	U	2.000	U
	18-Dec-08	NS		NS		2.000	U	NS		NS		NS		NS		2.000	U	2.000	U	NS		NS	
	21-Jan-09	NS		NS		NS		2.000	U	NS		NS		NS		NS		NS		2.000	U	2.000	U
	25-Feb-09	2.000	U	NS		NS		NS		2.000	U	NS		20.500	U	NS		NS		2.050	U	2.050	U
	26-Mar-09	NS		10.200	U	NS		NS		NS		NS		2.050	U	NS		2.050	U	NS		2.050	U
	29-Apr-09	NS		NS		2.050	U	NS		NS		10.200	U	NS		NS		2.050	U	2.050	U	NS	
	22-Jul-09	10.200	U	NS		10.200	U	20.500	U	NS		NS		2.050	U	427.000	U	2.050	U	NS		2.050	U
	8-Oct-09	NS		2.050	U	NS		NS		2.050	U	2.050	U	NS		NS		2.050	U	2.050	U	NS	
	15-Jan-10	2.050	U	NS		2.050	U	2.050	U	NS		NS		10.200	U	10.200	U	2.050	U	NS		2.050	U
	21-Apr-10	NS		2.050	U	NS		NS		10.200	U	15.400	U	NS		NS		2.050	U	2.050	U	NS	
	18-Jul-10	2.050	U	NS		2.050	U	2.050	U	NS		NS		2.050	U	2.050	U	2.050	U	NS		2.050	U
	15-Oct-10	NS		2.050	U	NS		NS		2.050	U	NS		2.050	U	2.050	U	2.050	U	NS		2.050	U

Date Modified 1/7/2011

Summary of Sub-Slab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - October 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	0.080	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		0.080		0.080	U	0.080	U	NS	
	27-Jun-08	0.141	U	NS		NS		NS		0.081	U	NS		NS		NS		NS		0.081	U	0.081	U
	31-Jul-08	NS		0.081	U	NS		NS		NS		NS		NS		NS		0.081	U	NS		0.081	U
	28-Aug-08	NS		NS		0.081	U	NS		NS		NS		0.081	U	NS		0.081	U	0.081	U	NS	
	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		0.081	U	0.081	U
	29-Apr-09	NS		NS		0.081	U	NS		NS		NS		0.081	U	NS		0.081	U	NS		0.081	U
	22-Jul-09	0.453	U	NS		0.453	U	0.907	U	NS		0.453	U	NS		NS		0.081	U	0.081	U	NS	
	9-Oct-09	NS		0.079	U	NS		NS		0.081	U	NS		0.081	U	16.900	U	0.081	U	NS		0.081	U
	15-Jan-10	0.081		NS		0.081	U	0.081		NS		0.081	U	NS		NS		0.081		0.081	U	NS	
	21-Apr-10	NS		0.081	U	NS		NS		0.453	U	NS		0.453	U	0.453	U	0.081	U	NS		0.081	U
	16-Jul-10	0.081	U	NS		0.081	U	0.081	U	NS		0.905	U	NS		NS		0.081	U	0.081	U	NS	
	15-Oct-10	NS		0.081	U	NS		NS		0.081	U	NS		0.081	U	0.081	U	0.081	U	NS		0.081	U
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		0.109	U	NS		0.109	U	NS		NS	
	30-Sep-08	NS		NS		NS		0.110	U	NS		NS		NS		0.110	U	NS		0.110	U	0.110	U
	27-Oct-08	0.110	U	NS		NS		NS		0.110	U	NS		NS		NS		0.110	U	NS		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		0.110	U	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		NS		0.109	U	0.109	U
	29-Apr-09	NS		NS		0.109	U	NS		NS		NS		0.109	U	NS		0.109	U	NS		0.109	U
	22-Jul-09	0.545	U	NS		22.200	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
	16-Jul-10	0.109	U	NS		0.109	U	0.109	U	NS		0.824	U	NS		NS		1.090	U	0.109	U	NS	
	15-Oct-10	NS		0.109		NS		NS		0.109	U	NS		0.109	U	0.109	U	0.109	U	NS		0.109	U
Toluene	8-Feb-08	1.830		NS		NS		NS		1.800		NS		NS		NS		2.720		455.000		NS	
	27-Mar-08	NS		2.240		NS		NS		NS		1.450		NS		NS		NS		11.300		18.100	
	25-Apr-08	NS		NS		1.380		NS		NS		NS		1.340		NS		11.200		NS		21.800	
	29-May-08	NS		NS		NS		7.740		NS		NS		NS		11.600		21.000		13.000		NS	
	27-Jun-08	14.700		NS		NS		NS		2.330		NS		NS		NS		NS		15.600		22.200	
	31-Jul-08	NS		4.150		NS		NS		NS		NS		NS		NS		10.200		NS		8.110	
	28-Aug-08	NS		NS		8.480		NS		NS		NS		3.440		NS		10.000		11.200		NS	
	30-Sep-08	NS		NS		NS		1.900	U	NS		NS		NS		8.100		NS		7.500		8.800	
	27-Oct-08	58.300		NS		NS		NS		3.200		NS		NS		NS		8.600		NS		8.200	
	25-Nov-08	NS		7.800		NS		NS		NS		7.800		NS		NS		29.900		18.800		NS	
	18-Dec-08	NS		NS		2.000		NS		NS		NS		1.900	U	NS		NS		4.800		4.900	
	21-Jan-09	NS		NS		NS		1.900	U	NS		NS		NS		1.900	U	1.900	U	NS		1.900	U
	25-Feb-09	7.000		NS		NS		NS		1.900	U	NS		NS		NS		1.900	U	13.800		NS	
	26-Mar-09	NS		3.530		NS		NS		NS		3.920		NS		NS		NS		7.230		9.750	
	29-Apr-09	NS		NS		1.980		NS		NS		NS		0.831		NS		0.149		NS		4.56	
	22-Jul-09	38.700		NS		38.700		2.220		NS		4.710		NS		NS		80.100		5.320		NS	
	9-Oct-09	NS		3.530		NS		NS		3.080		NS		1.070		23.800		3.120		NS		3.870	
	15-Jan-10	12.800		NS		4.170		4.330		NS		5.810		NS		NS		4.810		4.800		NS	
	21-Apr-10	NS		0.800		NS		NS		2.970		NS		3.790		5.200		2.840		NS		5.060	
	16-Jul-10	22.200		NS		17.900		5.860		NS		5.540		NS		NS		5.770		5.890		NS	
	15-Oct-10	NS		1.670		NS		NS		2.100		NS		1.720		3.370		2.230		NS		3.260	
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		0.086	U	NS		0.086	U	0.086	U	NS	
	30-Sep-08	NS		NS		NS		4.200	U	NS		NS		NS		4.200	U	NS		4.200	U	4.200	U
	27-Oct-08	4.200	U	NS		NS		NS		4.200	U	NS		NS		NS		4.200	U	NS		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		NS		4.200	U	4.200	U
	26-Mar-09	NS		0.480	U	NS		NS		NS		0.960		NS		NS		0.086	U	NS		0.086	U
	29-Apr-09	NS		NS		0.086	U	NS		NS		NS		0.086	U	NS		0.086	U	0.086	U	NS	
	22-Jul-09	0.480	U	NS		19.600	U	0.960	U	NS		0.480	U	NS		NS		0.086	U	NS		0.086	U
	9-Oct-09	NS		0.086	U	NS		NS		NS	U	NS		0.086	U	20.000	U	0.086	U	0.086	U	NS	
	15-Jan-10	0.086	U	NS		0.086	U	0.086	U	NS		0.086	U	NS		NS		0.086	U	NS		0.086	U
	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
	16-Jul-10	0.170	U	NS		0.170	U	0.170	U	NS		1.260	U	NS		NS		0.170	U	0.170	U	NS	
	15-Oct-10	NS		0.170	U	NS		NS		0.170	U	NS		0.170	U	0.170	U	0.170	U	NS		0.170	U

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Summary of Sub-Slab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - October 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		0.150		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		NS		NS		0.154	U
	26-Aug-08	NS		NS		0.154	U	NS		NS		NS		0.154	U	NS		0.154	U	0.154	U	NS	
	30-Sep-08	NS		NS		NS		0.150	U	NS		NS		NS		0.150	U	NS		0.150	U	0.150	U
	27-Oct-08	0.150	U	NS		NS		NS		0.150	U	NS		NS		NS		0.150	U	NS		0.150	U
	25-Nov-08	NS		0.150	U	NS		NS		NS		0.150	U	NS		0.150	U	NS		0.150	U	NS	
	18-Dec-08	NS		NS		0.150	U	NS		NS		NS		NS		0.150	U	0.150	U	NS		0.150	U
	21-Jan-09	NS		NS		NS		0.150	U	NS		NS		NS		NS		0.150	U	0.150	U	NS	
	25-Feb-09	0.150	U	NS		NS		NS		0.150	U	NS		NS		NS		NS		0.154	U	0.154	U
	26-Mar-09	NS		0.788	U	NS		NS		NS		1.540	U	NS		NS		0.154	U	NS		0.154	U
	29-Apr-09	NS		NS		0.154	U	NS		NS		NS		0.154	U	NS		0.154	U	0.154	U	NS	
	22-Jul-09	0.788	U	NS		31.300	U	1.540	U	NS		0.788	U	NS		NS		12.000	U	NS		0.154	U
	8-Oct-09	NS		0.154	U	NS		NS		0.154	U	NS		0.154	U	NS		0.154	U	0.154	U	NS	
	15-Jan-10	0.154	U	NS		0.154	U	0.154	U	NS		0.154	U	NS		0.788	U	NS		NS		0.154	U
	21-Apr-10	NS		0.154	U	NS		NS		0.788	U	NS		0.788	U	0.788	U	0.154	U	0.154	U	NS	
	16-Jul-10	0.154	U	NS		0.154	U	0.154	U	NS		1.160	U	NS		NS		0.154	U	NS		0.154	U
	15-Oct-10	NS		0.154	U	NS		NS		0.154	U	NS		0.154	UB	0.154	U	0.154	U	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		0.875		NS		NS		NS		6.980		5.230	
	25-Apr-08	NS		NS		0.322		NS		NS		NS		0.990		NS		0.830		NS		0.887	
	29-May-08	NS		NS		NS		1.980		NS		NS		NS		0.240		0.300		3.210		NS	
	27-Jun-08	1.320		NS		NS		NS		28.600		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	
	26-Aug-08	NS		NS		1.550		NS		NS		NS		1.520		NS		NS		6.280		NS	
	30-Sep-08	NS		NS		NS		3.400		NS		NS		NS		3.400	U	NS		4.100		3.400	U
	27-Oct-08	4.200	U	NS		NS		NS		10.000		NS		NS		NS		4.200	U	NS		4.200	U
	25-Nov-08	NS		21.300		NS		NS		NS		4.800		NS		NS		3.400	U	8.900		NS	
	18-Dec-08	NS		NS		3.400	U	NS		NS		NS		3.400	U	NS		NS		3.400	U	3.400	U
	21-Jan-09	NS		NS		NS		3.400	U	NS		NS		NS		3.400	U	3.400	U	NS		3.400	U
	25-Feb-09	3.400	U	NS		NS		NS		8.500		NS		NS		NS		3.400	U	3.700		NS	
	26-Mar-09	NS		1.280		NS		NS		NS		1.380	U	NS		NS		NS		7.110		2.080	
	29-Apr-09	NS		NS		0.271		NS		NS		NS		0.305		NS		0.237		NS		0.891	
	22-Jul-09	1.830		NS		1.830		2.100		NS		3.080		NS		NS		11.800		5.230		NS	
	8-Oct-09	NS		0.558		NS		NS		2.070		NS		0.678		28.300	U	1.170		NS		1.460	
	15-Jan-10	1.310		NS		0.644		1.350		NS		0.881		NS		NS		0.447		0.501		NS	
	21-Apr-10	NS		7.200		NS		NS		31.400		NS		55.500		36.400		82.100		NS		38.100	
	16-Jul-10	12.400		NS		12.700		10.900		NS		10.000		NS		NS		15.400		19.200		NS	
	15-Oct-10	NS		21.900		NS		NS		37.600		NS		21.300		21.800		22.100		NS		31.800	
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		0.137	U	NS		NS		NS		0.137	U	0.137	U
	25-Apr-08	NS		NS		0.137	U	NS		NS		NS		0.137	U	NS		0.137	U	NS		0.137	U
	29-May-08	NS		NS		NS		0.140	U	NS		NS		NS		0.140	U	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
	26-Aug-08	NS		NS		0.137	U	NS		NS		NS		0.137	U	NS		0.137	U	0.137	U	NS	
	30-Sep-08	NS		NS		NS		0.140	U	NS		NS		NS		0.140	U	NS		0.140	U	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		0.140	U	NS		0.140	U	NS	
	18-Dec-08	NS		NS		0.140	U	NS		NS		NS		NS		NS		0.140	U	0.140	U	0.140	U
	21-Jan-09	NS		NS		NS		0.190		NS		NS		NS		NS		NS		0.140	U	NS	
	25-Feb-09	0.140	U	NS		NS		NS		0.140	U	NS		NS		NS		0.137	U	0.137	U	0.137	U
	26-Mar-09	NS		0.688	U	NS		NS		NS		1.370	U	NS		NS		NS		NS		0.137	U
	29-Apr-09	NS		NS		0.137	U	NS		NS		NS		0.688	U	NS		0.137	U	0.137	U	NS	
	22-Jul-09	0.688	U	NS		28.000	U	1.370	U	NS		NS		NS		0.137	U	26.800	U	0.137	U	NS	
	8-Oct-09	NS		0.137	U	NS		NS		0.137	U	NS		0.137	U	NS		NS		0.137	U	0.137	U
	15-Jan-10	0.109	U	NS		0.137	U	1.370	U	NS		0.137	U	NS		0.688	U	0.688	U	0.137	U	NS	
	21-Apr-10	NS		0.137	U	NS		NS		0.688	U	NS		1.040	U	NS		NS		0.137	U	0.137	U
	16-Jul-10	0.137	U	NS		0.137	U	0.137	U	NS		0.137	U	NS		0.137	U	0.137	U	0.137	U	NS	
	15-Oct-10	NS		0.137	U	NS		NS		0.137	U	NS		NS		NS		NS		NS		0.137	U
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		0.092	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		0.080	U	NS		NS		NS		0.080	U	0.080	U	0.080	U	NS	
	27-Jun-08	0.207		NS		NS		NS		0.092	U	NS		NS		NS		NS		0.092	U	0.092	U
	31-Jul-08	NS		0.092	U	NS		NS		NS		NS		NS		NS		0.092	U	NS		0.092	U
	26-Aug-08	NS		NS		0.092	U	NS		NS		NS		0.092	U	NS		0.092	U	0.092	U	NS	
	30-Sep-08	NS		NS		NS		2.300	U	NS		NS		NS		2.300	U	NS		2.300	U	2.300	U
	27-Oct-08	2.300	U	NS		NS		NS		2.300	U	NS		NS		NS		2.300	U	NS		2.300	U
	25-Nov-08	NS		2.300	U	NS		NS		NS		2.300	U	NS		2.300	U	NS		2.300	U	NS	
	18-Dec-08	NS		NS		2.300	U	NS		NS		NS		2.300	U	NS		2.300	U	2.300	U	2.300	U
	21-Jan-09	NS		NS		NS		2.300	U	NS		NS		NS		2.300	U	NS		2.300	U	NS	
	25-Feb-09	2.300	U	NS		NS		NS		2.300	U	NS		NS		NS		2.300	U	2.300	U	2.300	U
	26-Mar-08	NS		0.460	U	NS		NS		NS		0.920	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	0.460	U	NS		18.800	U	0.920	U	NS		0.460	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	18.200	U	0.092	U	0.092	U	0.092	U
	15-Jan-10	0.092	U	NS		0.092	U	0.092	U	NS		0.092		NS		NS		0.092	U	NS		NS	
	21-Apr-10	NS		0.092	U	NS		NS		0.460	U	NS		0.460	U	0.460	U	0.092	U	0.092	U	0.092	U
	16-Jul-10	0.092	U	NS		0.092	U	0.212		NS		0.885	U	NS		NS		0.092	U	NS		0.101	
	15-Oct-10	NS		0.092	U	NS		NS		0.129		NS		0.108		0.101		0.092	U	NS			

Date Modified 1/7/2011

Summary of Sub-Slab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - October 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
Ethylbenzene	8-Feb-08	0.210		NS		NS		NS		0.230		NS		NS		NS		0.530		4.690		NS	
	27-Mar-08	NS		0.297		NS		NS		NS		0.157		NS		NS		NS		0.645		0.372	
	25-Apr-08	NS		NS		0.291		NS		NS		NS		0.320		NS				NS		0.585	
	29-May-08	NS		NS		NS		1.490		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		0.899	
	31-Jul-08	NS		0.820		NS		NS		NS		NS		NS		NS		0.758		NS		0.577	
	26-Aug-08	NS		NS		0.830		NS		NS		NS		0.482		NS		0.711		0.898		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		2.200		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		2.200	U	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		0.518		NS		NS		NS		0.898	U	NS		NS		NS		0.845		1.180	
	29-Apr-09	NS		NS		0.180		NS		NS		NS		0.181		NS		0.304		NS		0.325	
	22-Jul-09	11.700		NS		11.700		0.888	U	NS		1.150		NS		NS		38.200		1.040		NS	
	9-Oct-09	NS		0.584		NS		NS		0.580		NS		0.291		18.100	U	0.542		NS		0.542	
	15-Jan-10	8.950		NS		0.588		0.542		NS		0.859		NS		NS		0.712		0.720		NS	
	21-Apr-10	NS		0.304		NS		NS		1.340		NS		1.800		1.780		2.120		NS		1.580	
	16-Jul-10	8.230		NS		2.400		1.800		NS		1.440		NS		NS		1.510		1.420		NS	
	15-Oct-10	NS		0.534		NS		NS		0.825		NS		0.531		0.573		1.070		NS		0.833	
p/m-Xylene	8-Feb-08	0.550		NS		NS		NS		0.830		NS		NS		NS		1.040		18.100		NS	
	27-Mar-08	NS		0.883		NS		NS		NS		0.388		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		7.580		10.100		1.340		NS	
	27-Jun-08	12.600		NS		NS		NS		1.500		NS		NS		NS		NS		1.810		2.330	
	31-Jul-08	NS		2.400		NS		NS		NS		NS		NS		NS		2.080		NS		1.590	
	26-Aug-08	NS		NS		2.330		NS		NS		NS		1.440		NS		2.130		1.940		NS	
	30-Sep-08	NS		NS		NS		4.300	U	NS		NS		NS		4.300	U	NS		4.300	U	4.300	U
	27-Oct-08	41.600		NS		NS		NS		4.300	U	NS		NS		NS		4.300	U	NS		4.300	U
	25-Nov-08	NS		4.700		NS		NS		NS		4.300	U	NS		NS		8.500		8.900		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		4.300	U	4.300	U	NS		4.300	U
	25-Feb-09	37.800		NS		NS		NS		4.300	U	NS		NS		NS		8.000		9.700		NS	
	26-Mar-09	NS		1.350		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		0.933		NS		1.080	
	22-Jul-09	25.800		NS		25.600		1.740	U	NS		3.880		NS		NS		165.000		3.520		NS	
	9-Oct-09	NS		1.620		NS		NS		1.630		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		2.890		NS	
	21-Apr-10	NS		0.703		NS		NS		3.280		NS		4.580		4.340		6.220		NS		4.770	
	16-Jul-10	21.800		NS		7.010		6.390		NS		4.820		NS		NS		4.990		4.910		NS	
	15-Oct-10	NS		1.810		NS		NS		2.180		NS		1.700		1.880		3.400		NS		2.880	
Bromoform	8-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		0.210	U	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		0.206	U	NS		NS		NS		NS		NS		NS		0.208	U	NS		0.208	U
	26-Aug-08	NS		NS		0.206	U	NS		NS		NS		0.208	U	NS		0.208	U	0.208	U	NS	
	30-Sep-08	NS		NS		NS		0.410	U	NS		NS		NS		0.410	U	NS		0.410	U	0.410	U
	27-Oct-08	0.410	U	NS		NS		NS		0.410	U	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		0.410	U	0.410	U	NS	
	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		0.410	U	0.410	U	NS		0.410	U
	25-Feb-09	0.410	U	NS		NS		NS		0.140	U	NS		NS		NS		0.410	U	0.410	U	NS	
	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	43.100	U	0.208	U	NS		0.208	U
	15-Jan-10	0.208	U	NS		0.208	U	0.208	U	NS		0.208		NS		NS		0.208	U	0.208	U	NS	
	21-Apr-10	NS		0.208	U	NS		NS		1.070	U	NS	U	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		NS	U	NS		0.208	U	0.208	U	NS	
	15-Oct-10	NS		0.208	U	NS		NS		0.208	U	NS	U	0.208	U	0.208	U	0.208	U	NS		0.208	U
Styrene	8-Feb-08	0.080	U	NS		NS		NS		0.080	U	NS		NS		NS		0.300		3.190		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		0.558		NS		0.351	
	29-May-08	NS		NS		NS		0.170		NS		NS		NS		0.380		0.300		0.270		NS	
	27-Jun-08	0.732		NS		NS		NS		0.354		NS		NS		NS		NS		0.588		0.590	
	31-Jul-08	NS		0.278		NS		NS		NS		NS		NS		NS		0.256		NS		0.170	
	26-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	NS		2.100	U
	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		NS		0.292		0.781	
	26-Mar-08	NS		0.851	U	NS		NS		NS		1.700	U	NS		NS		0.086		NS		0.243	
	29-Apr-09	NS		NS		0.174		NS		NS		NS		0.085	U	NS		0.600		0.149		NS	
	22-Jul-09	0.426	U	NS		0.426	U	0.851	U	NS		0.426	U	NS		NS		0.153		NS		0.204	
	9-Oct-08	NS		0.085	U	NS		NS		0.088		NS		0.085	U	17.800	U	0.126		0.221		NS	
	15-Jan-10	0.108		NS		0.118		0.088		NS		0.088		NS		NS		0.126		NS		0.578	
	21-Apr-10	NS		0.085	U	NS		NS		0.426	U	NS		0.428	U	0.426	U	0.481		NS		NS	
	16-Jul-10	0.570		NS		0.811		0.850		NS		0.843	U	NS		NS		0.340		0.864		1.520	
	15-Oct-10	NS		0.680		NS		NS		1.120		NS		0.770		0.818		0.877		NS			

Date Modified 1/7/2011

Summary of Sub-Slab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - October 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
1,1,2,2-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		NS		0.137	U	0.137	U
	25-Apr-08	NS		NS		0.137	U	NS		NS		NS		0.137	U	NS		0.137	U	NS		0.137	U
	29-May-08	NS		NS		NS		0.140	U	NS		NS		NS		0.140	U	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		0.137	U	NS		0.137	U	0.137	U	NS	
	30-Sep-08	NS		NS		NS		0.140	U	NS		NS		NS		0.140	U	NS		0.140	U	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		0.140	U	0.140	U	0.140	U	NS	
	18-Dec-08	NS		NS		0.140	U	NS		NS		NS		0.140	U	NS		NS		0.140	U	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		0.686	U	NS		NS		NS		1.370	U	NS		NS		0.137	U	NS		0.137	U
	29-Apr-09	NS		NS		0.137	U	NS		NS		NS		0.137	U	NS		0.137	U	0.137	U	NS	
	22-Jul-09	0.686	U	NS		28.000	U	0.137	U	NS		0.686	U	NS		26.600	U	0.137	U	NS		0.137	U
	8-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	0.139	U	NS		0.137	U	0.137	U	NS		0.139	U	NS		0.686	U	0.137	U	NS		0.137	U
	21-Apr-10	NS		0.137	U	NS		NS		0.686	U	NS		0.686	U	NS		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	NS		0.137	U
	15-Oct-10	NS		0.137	U	NS		NS		0.137	U	NS		0.137	U	0.137	U	0.137	U	NS			
o-Xylene	8-Feb-08	0.200		NS		NS		NS		0.230		NS		NS		NS		0.460		7.730		NS	
	27-Mar-08	NS		0.273		NS		NS		0.142		NS		NS		NS		NS		0.644		0.478	
	25-Apr-08	NS		NS		0.370		NS		NS		NS		0.406		NS		0.795		NS		0.820	
	29-May-08	NS		NS		NS		1.480		NS		NS		NS		2.260		2.840		1.020		NS	
	27-Jun-08	4.120		NS		NS		NS		0.530		NS		NS		NS		NS		0.872		0.784	
	31-Jul-08	NS		0.835		NS		NS		NS		NS		NS		NS		0.748		NS		0.564	
	28-Aug-08	NS		NS		0.804		NS		NS		NS		0.511		NS		0.797		0.725		NS	
	30-Sep-08	NS		NS		NS		2.200	U	NS		NS		NS		2.200	U	NS		2.200	U	2.200	U
	27-Oct-08	9.800		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		5.100	M	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		2.200	U	2.200	U	NS		2.200	U
	25-Feb-09	8.900		NS		NS		NS		2.200	U	NS		NS		NS		2.200		3.200		NS	
	26-Mar-09	NS		0.466		NS		NS		NS		0.686	U	NS		NS		NS		0.922		1.280	
	29-Apr-09	NS		NS		0.174		NS		NS		NS		0.208		NS		0.348		NS		0.499	
	22-Jul-09	5.340		NS		5.340		0.868	U	NS		1.390		NS		NS		72.700		1.270		NS	
	8-Oct-09	NS		0.542		NS		NS		0.598		NS		0.343		18.100	U	0.629		NS		0.818	
	15-Jan-10	4.510		NS		0.490		0.490		NS		0.580		NS		NS		0.833		0.848		NS	
	21-Apr-10	NS		0.258		NS		NS		1.170		NS		1.580		1.410		1.240		NS		1.140	
	16-Jul-10	5.070		NS		2.840		2.830		NS		2.100		NS		NS		1.880		2.050		NS	
	15-Oct-10	NS		0.872		NS		NS		0.837		NS		0.858		0.729		1.220		NS		1.140	
Isopropylbenzene	8-Feb-08	2.460	U	NS		NS		NS		2.460	U	NS		NS		NS		2.460	U	2.460	U	NS	
	27-Mar-08	NS		2.460	U	NS		NS		NS		NS		NS		NS		NS		2.460	U	2.460	U
	25-Apr-08	NS		NS		2.460	U	NS		NS		NS		2.460	U	NS		2.460	U	NS		2.460	U
	29-May-08	NS		NS		NS		2.460	U	NS		NS		NS		2.460	U	2.460	U	2.460	U	NS	
	27-Jun-08	3.830	U	NS		NS		NS		2.460	U	NS		NS		NS		NS		2.460	U	2.460	U
	31-Jul-08	NS		2.460	U	NS		NS		NS		NS		NS		NS		2.460	U	NS		2.460	U
	28-Aug-08	NS		NS		2.460	U	NS		NS		NS		2.460	U	2.460	U	2.460	U	2.460	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		5.800	U	4.900	U	NS	
	18-Dec-08	NS		NS		4.900	U	NS		NS		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	NS		4.900	U	NS	
	25-Feb-09	4.900	U	NS		NS		NS		4.900	U	NS		NS		NS		4.900	U	NS		2.460	U
	26-Mar-09	NS		13.300	U	NS		NS		NS		24.600	U	NS		NS		NS		2.460	U	NS	
	29-Apr-09	NS		NS		2.460	U	NS		NS		NB		2.460	U	NS		2.460	U	3.780		2.460	U
	22-Jul-09	12.300	U	NS		12.300	U	24.600	U	NS		12.300	U	NS		NB		513.000	U	2.460	U	NS	
	8-Oct-09	NS		2.740	U	NS		NS		2.460	U	NS		2.460	U	NS		NS		2.460	U	2.460	U
	15-Jan-10	2.460	U	NS		2.460	U	2.460	U	NS		2.460	U	NS		12.300	U	12.300	U	2.460	U	NS	
	21-Apr-10	NS		2.460	U	NS		NS		12.300	U	NS		12.300	U	NS		NS		2.460	U	2.460	U
	16-Jul-10	2.460	U	NS		2.680		2.460	U	NS		18.500	U	NS		2.460	U	2.460	U	2.460	U	NS	
	15-Oct-10	NS		2.460	U	NS		NS		2.460	U	NS		2.460	U	NS		2.460	U	NS		2.460	U
1,3,5-Trimethylbenzene	8-Feb-08	0.100	U	NS		NS		NS		0.100	U	NS		NS		NS		0.470		0.660		NS	
	27-Mar-08	NS		0.140		NS		NS		NS		0.089	U	NS		NS		NS		0.349		0.275	
	25-Apr-08	NS		NS		1.800		NS		NS		NS		0.229		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		0.290	
	31-Jul-08	NS		0.713		NS		NS		NS		NS		NS		NS		0.278		NS		0.224	
	28-Aug-08	NS		NS		0.497		NS		NS		NS		0.215		NS		0.248		0.233		NS	
	30-Sep-08	NS		NS		NS		2.500	U	NS		NS		NS		2.500	U	NS		2.500		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		2.500	U	2.500	U	NS	
	18-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	NS	
	25-Feb-09	9.100		NS		NS		NS		2.500	U	NS		NS		NS		NS		0.337		0.475	
	26-Mar-09	NS		0.491	U	NS		NS		NS		0.982	U	NS		NS		0.211		NS		0.241	
	29-Apr-09	NS		NS		0.147		NS		NS		NS		0.128		NS		22.700		0.279		NS	
	22-Jul-09	3.000		NS		29.000	U	0.982	U	NS		0.491	U	NS		NS		NS		NS		0.228	
	8-Oct-09	NS		0.218		NS		NS		0.241		NS		0.157		20.500	U	0.388		0.290		NS	
	15-Jan-10	2.150		NS		0.115		0.088	U	NS		0.108		NS		NS		NS		0.334		0.208	
	21-Apr-10	NS		0.086	U	NS		NS		0.491	U	NS		0.491	U	0.491	U	0.177		NS		NS	
	16-Jul-10	2.780		NS		1.880		1.810		NS		1.870		NS		NS		1.080		1.250		0.540	
	15-Oct-10	NS		0.418		NS		NS		0.383		NS		0.273		0.324		0.545		NS			

Date Modified 1/7/2011

Summary of Sub-Slab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - October 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		0.210		NS		NS		NS		0.680		1.930		NS	
	27-Mar-08	NS		0.904		NS		NS		NS		0.152		NS		NS		NS		0.958		0.861	
	25-Apr-08	NS		NS		1.720		NS		NS		NS		0.644		NS		0.517		NS		0.338	
	29-May-08	NS		NS		NS		0.800		NS		NS		NS		1.000		1.280		0.480		NS	
	27-Jun-08	7.480		NS		NS		NS		1.150		NS		NS		NS		NS		0.836		0.736	
	31-Jul-08	NS		1.880		NS		NS		NS		NS		NS		NS		0.885		NS		0.885	
	28-Aug-08	NS		NS		0.836		NS		NS		NS		NS		NS		0.689		0.653		NS	
	30-Sep-08	NS		NS		NS		2.500	U	NS		NS		NS		2.500	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		2.800		NS	
	26-Mar-09	NS		0.491	U	NS		NS		NS		0.682	U	NS		NS		NS		1.080		1.590	
	29-Apr-09	NS		NS		0.295		NS		NS		NS		0.578		NS		0.767		NS		0.801	
	22-Jul-09	3.490		NS		20.000	U	0.882	U	NS		0.737		NS		NS		98.400		0.680		NS	
	8-Oct-09	NS		0.707		NS		NS		0.761		NS		0.848		20.500	U	1.380		NS		0.584	
	15-Jan-10	2.870		NS		0.354		0.290		NS		0.314		NS		NS		1.060		1.170		NS	
	21-Apr-10	NS		0.211		NS		NS		0.933		NS		1.420		1.150		0.653		NS		0.702	
	18-Jul-10	8.300		NS		6.230		8.090		NS		8.270		NS		NS		4.280		5.050		NS	
	15-Oct-10	NS		1.280		NS		NS		1.810		NS		1.100		1.380		1.880		NS		2.350	
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		1.470		0.820		0.220		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		0.198		NS		0.120	U
	28-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		3.000	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		3.000	U
	25-Nov-08	NS		3.000	U	NS		NS		NS		5.000	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		NS		3.000	U	3.000	U
	21-Jan-09	NS		NS		NS		3.000	U	NS		NS		NS		3.000	U	3.000	U	NS		3.000	U
	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		0.601	U	NS		NS		NS		1.200	U	NS		NS		NS		0.120	U	0.120	U
	29-Apr-09	NS		NS		0.120	U	NS		NS		NS		0.120	U	NS		0.120	U	NS		0.120	U
	22-Jul-09	0.601	U	NS		24.500	U	1.200	U	NS		0.601	U	NS		NS		0.120	U	0.380		NS	
	8-Oct-09	NS		0.120	U	NS		NS		0.120	U	NS		0.120	U	25.100	U	0.120	U	NS		0.170	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
	18-Jul-10	0.595		NS		0.689		1.980		NS		0.807	U	NS		NS		0.132		0.182		NS	
	15-Oct-10	NS		0.120	U	NS		NS		0.120	U	NS		0.120	U	0.120	U	0.120	U	NS		0.120	U
1,4-Dichlorobenzene	8-Feb-08	1.560		NS		NS		NS		0.260		NS		NS		NS		8.500		7.910		NS	
	27-Mar-08	NS		4.330		NS		NS		NS		8.480		NS		NS		NS		6.280		15.100	
	25-Apr-08	NS		NS		0.347		NS		NS		NS		32.300		NS		17.800		NS		18.300	
	29-May-08	NS		NS		NS		5.500		NS		NS		NS		10.000		8.410		4.180		NS	
	27-Jun-08	47.300		NS		NS		NS		38.100		NS		NS		NS		NS		40.600		57.900	
	31-Jul-08	NS		2.460		NS		NS		NS		NS		NS		NS		1.840		NS		2.040	
	28-Aug-08	NS		NS		234.000		NS		NS		NS		314.000		NS		229.000		208.000		NS	
	30-Sep-08	NS		NS		NS		7.200		NS		NS		NS		3.000	U	NS		8.800		5.800	
	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		3.000	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		33.000	
	29-Apr-09	NS		NS		1.200		NS		NS		NS		1.910		NS		4.120		NS		4.290	
	22-Jul-09	0.601	U	NS		24.500	U	1.200	U	NS		0.601	U	NS		NS		0.348		0.613		NS	
	8-Oct-09	NS		5.310		NS		NS		3.440		NS		2.790		25.100	U	8.850		NS		5.820	
	15-Jan-10	0.120		NS		1.060		0.715		NS		0.623		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		2.840	
	18-Jul-10	1.780		NS		2.300		2.880		NS		1.380		NS		NS		1.630		5.050		NS	
	15-Oct-10	NS		0.885		NS		NS		1.750		NS		1.370		1.460		1.800		NS		2.470	
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
	28-Aug-08	NS		NS		2.740	U	NS		NS		NS		2.740	U	NS		2.740	U	2.740	U	NS	
	27-Oct-08	NS		NS		NS		5.500	U	NS		NS		NS		5.500	U	NS		5.500	U	5.500	U
	27-Oct-08	5.500	U	NS		NS		NS		5.500	U	NS		NS		NS		5.500	U	NS		5.500	U
	25-Nov-08	NS		5.500	U	NS		NS		NS		5.500	U	NS		NS		5.500	U	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		NS		2.740	U	2.740	U
	26-Mar-08	NS		13.700	U	NS		NS		NS		27.400	U	NS		NS		2.740	U	NS		2.740	U
	29-Apr-09	NS		NS		2.740	U	NS		NS		NS		2.740	U	NS		2.740	U	2.740	U	NS	
	22-Jul-09	13.700	U	NS		13.700	U	27.400	U	NS		13.700	U	NS		NS		2.740	U	NS		2.740	U
	8-Oct-09	NS		2.740	U	NS		NS		2.740		NS		3.740	U	573.000	U	2.740	U	2.740	U	NS	
	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	2.740	U
	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
	18-Jul-10	2.740	U	NS		2.74	U	2.740	U	NS		20.700	U	2.740	U	NS		2.740	U	2.740	U	NS	
	15-Oct-10	NS		2.740	U	NS		NS		2.740	U	NS		2.740		2.740	U	2.740	U	NS		2.740	U

Date Modified 1/7/2011

Summary of Sub-Slab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - October 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
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		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		NS	
	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		5.500	U	NS		5.500	U	5.500	U
	27-Oct-08	12.500		NS		NS		NS		5.500	U	NS		NS		NS		18.500		NS		5.500	U
	25-Nov-08	NS		5.500	U	NS		NS		NS		5.500	U	NS		NS		5.500	U	NS		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		NS		NS		NS		NS		NS		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	
	9-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	2.720	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	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	
	15-Oct-10	NS		2.740	U	NS		NS		2.740	U	NS		2.740	U	2.740	U	2.740	U	NS		2.740	U
1,2-Dichlorobenzene	8-Feb-08	0.120	U	NS		NS		NS		0.120	U	NS		NS		NS		0.120	U	0.550		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		0.120	U	0.120	U	0.120	U	NS	
	27-Jun-08	0.187	U	NS		NS		NS		0.120	U	NS		NS		NS		NS		0.120	U	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		0.120	U	NS		0.120	U	0.120	U	NS	
	30-Sep-08	NS		NS		NS		3.000	U	NS		NS		NS		3.000	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		3.000	U
	25-Nov-08	NS		3.000	U	NS		NS		NS		3.000	U	NS		NS		NS		3.000	U	NS	
	18-Dec-08	NS		NS		3.000	U	NS		NS		NS		3.000	U	NS		3.000	U	3.000	U	3.000	U
	21-Jan-09	NS		NS		NS		3.000	U	NS		NS		NS		NS		NS		3.000	U	NS	
	25-Feb-09	3.000	U	NS		NS		NS		3.000	U	NS		1.200	U	NS		NS		0.120	U	0.120	U
	26-Mar-09	NS		0.601	U	NS		NS		NS		NS		0.120	U	NS		0.120	U	NS		0.120	U
	29-Apr-09	NS		NS		0.120	U	NS		NS		0.601	U	NS		NS		0.120	U	0.120	U	NS	
	22-Jul-09	0.601	U	NS		24.000	U	1.200	U	0.120	U	NS		0.120	U	25.100	U	0.120	U	NS		0.120	U
	9-Oct-09	NS		0.120	U	NS		NS		NS		0.120	U	NS		NS		0.120	U	0.120	U	NS	
	15-Jan-10	0.120	U	NS		0.120	U	0.120	U	0.601	U	NS		0.601	U	0.601	U	0.120	U	NS		0.120	U
	21-Apr-10	NS		0.120	U	NS		NS		NS		0.907	U	NS		NS		0.120	U	1.200	U	NS	
	16-Jul-10	0.120	U	NS		0.120	U	0.120	U	NS		NS		0.120	U	0.120	U	0.120	U	NS		0.120	U
	15-Oct-10	NS		0.120	U	NS		NS		0.120	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		5.500	U	NS		5.500	U	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		5.500	U	11.500		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		NS		2.740	U	2.740	U
	26-Mar-09	NS		13.700	U	NS		NS		NS		27.400	U	NS		NS		2.740	U	NS		2.740	U
	29-Apr-09	NS		NS		2.740	U	NS		NS		NS		2.740	U	NS		2.740	U	2.740	U	NS	
	22-Jul-09	13.700	U	NS		13.700	U	27.400	U	NS		13.700	U	NS		NS		2.740	U	NS		2.740	U
	9-Oct-09	NS		1.080	U	NS		NS		2.740	U	NS		2.740	U	573.000	U	2.740	U	2.740	U	NS	
	15-Jan-10	2.740	U	NS		2.740	U	2.740	U	NS		2.740	U	NS		NS		2.740	U	NS		2.740	U
	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	NS		2.740	U
	15-Oct-10	NS		2.740	U	NS		NS		2.740	U	NS		2.740	U	2.740	U	2.740	U	NS		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
* = Site Specific Compound of Concern per ATSDR Health Consultation December 4, 2008

Date Modified 1/7/2011

ALPHA ANALYTICAL

ANALYTICAL REPORT

Lab Number:	L1016362
Client:	EA Engineering, Science and Tech 2374 Post Road Suite 102 Warwick, RI 02886
ATTN:	Frank Postma
Phone:	(401) 736-3440
Project Name:	ALVAREZ HIGH SCHOOL
Project Number:	14687.01
Report Date:	10/25/10

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: L1016362
Report Date: 10/25/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1016362-01	IMP-1	PROVIDENCE, RI	10/15/10 09:18
L1016362-02	IMP-3	PROVIDENCE, RI	10/15/10 09:23
L1016362-03	MP-2	PROVIDENCE, RI	10/15/10 09:43
L1016362-04	MP-5	PROVIDENCE, RI	10/15/10 10:40
L1016362-05	MP-7	PROVIDENCE, RI	10/15/10 10:33
L1016362-06	MP-8	PROVIDENCE, RI	10/15/10 10:26

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1016362
Report Date: 10/25/10

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.

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: 10/25/10

ALPHA ANALYTICAL

AIR

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1016362
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016362-01
Client ID: IMP-1
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/20/10 21:50
Analyst: AJ

Date Collected: 10/15/10 09:18
Date Received: 10/18/10
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	ND	0.020	--	ND	0.053	--		1
Acetone	2.96	2.00	--	7.03	4.75	--		1
Trichlorofluoromethane	1.75	0.050	--	9.85	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	0.021	0.020	--	0.102	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	0.067	0.020	--	0.421	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	0.059	0.020	--	0.317	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: L1016362
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016362-01
Client ID: IMP-1
Sample Location: PROVIDENCE, RI

Date Collected: 10/15/10 09:18
Date Received: 10/18/10
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	0.593	0.020	–	2.23	0.075	–		1
Dibromochloromethane	ND	0.020	–	ND	0.170	–		1
1,2-Dibromoethane	ND	0.020	–	ND	0.154	–		1
Tetrachloroethene	3.27	0.020	–	22.1	0.136	–		1
1,1,1,2-Tetrachloroethane	ND	0.020	–	ND	0.137	–		1
Chlorobenzene	ND	0.020	–	ND	0.092	–		1
Ethylbenzene	0.246	0.020	–	1.07	0.087	–		1
p/m-Xylene	0.785	0.040	–	3.40	0.174	–		1
Bromoform	ND	0.020	–	ND	0.206	–		1
Styrene	0.206	0.020	–	0.877	0.085	–		1
1,1,2,2-Tetrachloroethane	ND	0.020	–	ND	0.137	–		1
o-Xylene	0.282	0.020	–	1.22	0.087	–		1
Isopropylbenzene	ND	0.500	–	ND	2.46	–		1
1,3,5-Trimethybenzene	0.111	0.020	–	0.545	0.098	–		1
1,2,4-Trimethylbenzene	0.378	0.020	–	1.86	0.098	–		1
1,3-Dichlorobenzene	ND	0.020	–	ND	0.120	–		1
1,4-Dichlorobenzene	0.299	0.020	–	1.80	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: L1016362
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016362-01
Client ID: IMP-1
Sample Location: PROVIDENCE, RI
Date Collected: 10/15/10 09:18
Date Received: 10/18/10
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	107		60-140
chlorobenzene-d5	102		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1016362
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016362-02
Client ID: IMP-3
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/20/10 22:28
Analyst: AJ

Date Collected: 10/15/10 09:23
Date Received: 10/18/10
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	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	8.96	2.00	–	21.2	4.75	–		1
Trichlorofluoromethane	1.79	0.050	–	10.0	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	0.651	0.500	–	1.92	1.47	–		1
cis-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Chloroform	0.034	0.020	–	0.166	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	0.070	0.020	–	0.440	0.126	–		1
1,2-Dichloropropane	ND	0.020	–	ND	0.092	–		1
Bromodichloromethane	ND	0.020	–	ND	0.134	–		1
Trichloroethene	0.243	0.020	–	1.30	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: L1016362
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016362-02
Client ID: IMP-3
Sample Location: PROVIDENCE, RI
Date Collected: 10/15/10 09:23
Date Received: 10/18/10
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	0.867	0.020	–	3.26	0.075	–		1
Dibromochloromethane	ND	0.020	–	ND	0.170	–		1
1,2-Dibromoethane	ND	0.020	–	ND	0.154	–		1
Tetrachloroethene	4.67	0.020	–	31.6	0.136	–		1
1,1,1,2-Tetrachloroethane	ND	0.020	–	ND	0.137	–		1
Chlorobenzene	0.022	0.020	–	0.101	0.092	–		1
Ethylbenzene	0.192	0.020	–	0.833	0.087	–		1
p/m-Xylene	0.664	0.040	–	2.88	0.174	–		1
Bromoform	ND	0.020	–	ND	0.206	–		1
Styrene	0.358	0.020	–	1.52	0.085	–		1
1,1,2,2-Tetrachloroethane	ND	0.020	–	ND	0.137	–		1
o-Xylene	0.264	0.020	–	1.14	0.087	–		1
Isopropylbenzene	ND	0.500	–	ND	2.46	–		1
1,3,5-Trimethybenzene	0.110	0.020	–	0.540	0.098	–		1
1,2,4-Trimethylbenzene	0.478	0.020	–	2.35	0.098	–		1
1,3-Dichlorobenzene	ND	0.020	–	ND	0.120	–		1
1,4-Dichlorobenzene	0.411	0.020	–	2.47	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: L1016362
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016362-02
Client ID: IMP-3
Sample Location: PROVIDENCE, RI

Date Collected: 10/15/10 09:23
Date Received: 10/18/10
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	107		60-140
chlorobenzene-d5	105		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1016362
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016362-03
Client ID: MP-2
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/20/10 23:06
Analyst: AJ

Date Collected: 10/15/10 09:43
Date Received: 10/18/10
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	0.633	0.050	–	3.13	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	4.77	2.00	–	11.3	4.75	–		1
Trichlorofluoromethane	1.72	0.050	–	9.63	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	39.8	0.500	–	117	1.47	–		1
cis-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Chloroform	0.035	0.020	–	0.171	0.098	–		1
1,2-Dichloroethane	ND	0.020	–	ND	0.081	–		1
1,1,1-Trichloroethane	0.050	0.020	–	0.272	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	0.420	0.020	–	2.26	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: L1016362
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016362-03
Client ID: MP-2
Sample Location: PROVIDENCE, RI

Date Collected: 10/15/10 09:43
Date Received: 10/18/10
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	0.444	0.020	--	1.67	0.075	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	3.24	0.020	--	21.9	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	0.123	0.020	--	0.534	0.087	--		1
p/m-Xylene	0.417	0.040	--	1.81	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	0.164	0.020	--	0.698	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.155	0.020	--	0.672	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	0.085	0.020	--	0.418	0.098	--		1
1,2,4-Trimethylbenzene	0.262	0.020	--	1.29	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	0.114	0.020	--	0.685	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: L1016362
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID:	L1016362-03	Date Collected:	10/15/10 09:43
Client ID:	MP-2	Date Received:	10/18/10
Sample Location:	PROVIDENCE, RI	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	88		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	94		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1016362
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID:	L1016362-04	Date Collected:	10/15/10 10:40
Client ID:	MP-5	Date Received:	10/18/10
Sample Location:	PROVIDENCE, RI	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	10/20/10 23:45		
Analyst:	AJ		

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.540	0.050	–	2.67	0.247	–		1
Chloromethane	ND	0.500	–	ND	1.03	–		1
Vinyl chloride	ND	0.020	–	ND	0.051	–		1
Chloroethane	0.031	0.020	–	0.082	0.053	–		1
Acetone	11.0	2.00	–	26.0	4.75	–		1
Trichlorofluoromethane	12.9	0.050	–	72.2	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	15.2	0.500	–	44.9	1.47	–		1
cis-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Chloroform	0.075	0.020	–	0.366	0.098	–		1
1,2-Dichloroethane	ND	0.020	–	ND	0.081	–		1
1,1,1-Trichloroethane	0.064	0.020	–	0.349	0.109	–		1
Benzene	ND	0.100	–	ND	0.319	–		1
Carbon tetrachloride	0.069	0.020	–	0.434	0.126	–		1
1,2-Dichloropropane	ND	0.020	–	ND	0.092	–		1
Bromodichloromethane	ND	0.020	–	ND	0.134	–		1
Trichloroethene	24.1	0.020	–	129	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: L1016362
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016362-04
Client ID: MP-5
Sample Location: PROVIDENCE, RI

Date Collected: 10/15/10 10:40
Date Received: 10/18/10
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	0.557	0.020	--	2.10	0.075	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	5.55	0.020	--	37.6	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	0.028	0.020	--	0.129	0.092	--		1
Ethylbenzene	0.144	0.020	--	0.625	0.087	--		1
p/m-Xylene	0.502	0.040	--	2.18	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	0.264	0.020	--	1.12	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.193	0.020	--	0.837	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	0.078	0.020	--	0.383	0.098	--		1
1,2,4-Trimethylbenzene	0.328	0.020	--	1.61	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	0.292	0.020	--	1.75	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: L1016362
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016362-04
Client ID: MP-5
Sample Location: PROVIDENCE, RI

Date Collected: 10/15/10 10:40
Date Received: 10/18/10
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	98		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	98		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1016362
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016362-05
Client ID: MP-7
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/21/10 00:23
Analyst: AJ

Date Collected: 10/15/10 10:33
Date Received: 10/18/10
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	0.491	0.050	–	2.43	0.247	–		1
Chloromethane	ND	0.500	–	ND	1.03	–		1
Vinyl chloride	ND	0.020	–	ND	0.051	–		1
Chloroethane	0.027	0.020	–	0.071	0.053	–		1
Acetone	4.30	2.00	–	10.2	4.75	–		1
Trichlorofluoromethane	2.44	0.050	–	13.7	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-Bulanone	0.968	0.500	–	2.85	1.47	–		1
cis-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Chloroform	0.134	0.020	–	0.654	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	0.061	0.020	–	0.383	0.126	–		1
1,2-Dichloropropane	ND	0.020	–	ND	0.092	–		1
Bromodichloromethane	ND	0.020	–	ND	0.134	–		1
Trichloroethene	0.357	0.020	–	1.92	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: L1016362
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016362-05
Client ID: MP-7
Sample Location: PROVIDENCE, RI

Date Collected: 10/15/10 10:33
Date Received: 10/18/10
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	0.458	0.020	–	1.72	0.075	–		1
Dibromochloromethane	ND	0.020	–	ND	0.170	–		1
1,2-Dibromoethane	ND	0.020	–	ND	0.154	–		1
Tetrachloroethene	3.14	0.020	–	21.3	0.136	–		1
1,1,1,2-Tetrachloroethane	ND	0.020	–	ND	0.137	–		1
Chlorobenzene	0.023	0.020	–	0.106	0.092	–		1
Ethylbenzene	0.120	0.020	–	0.521	0.087	–		1
p/m-Xylene	0.393	0.040	–	1.70	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	0.152	0.020	–	0.659	0.087	–		1
Isopropylbenzene	ND	0.500	–	ND	2.46	–		1
1,3,5-Trimethybenzene	0.056	0.020	–	0.275	0.098	–		1
1,2,4-Trimethylbenzene	0.223	0.020	–	1.10	0.098	–		1
1,3-Dichlorobenzene	ND	0.020	–	ND	0.120	–		1
1,4-Dichlorobenzene	0.228	0.020	–	1.37	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: L1016362
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016362-05
Client ID: MP-7
Sample Location: PROVIDENCE, RI

Date Collected: 10/15/10 10:33
Date Received: 10/18/10
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	110		60-140
bromochloromethane	108		60-140
chlorobenzene-d5	105		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1016362
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016362-06
Client ID: MP-8
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/21/10 01:02
Analyst: AJ

Date Collected: 10/15/10 10:26
Date Received: 10/18/10
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	0.488	0.050	–	2.41	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	7.71	2.00	–	18.3	4.75	–		1
Trichlorofluoromethane	1.01	0.050	–	5.65	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	6.20	0.500	–	18.2	1.47	–		1
cis-1,2-Dichloroethene	ND	0.020	–	ND	0.079	–		1
Chloroform	0.024	0.020	–	0.117	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	0.064	0.020	–	0.402	0.126	–		1
1,2-Dichloropropane	ND	0.020	–	ND	0.092	–		1
Bromodichloromethane	ND	0.020	–	ND	0.134	–		1
Trichloroethene	0.033	0.020	–	0.177	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: L1016362
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016362-06
Client ID: MP-8
Sample Location: PROVIDENCE, RI
Date Collected: 10/15/10 10:26
Date Received: 10/18/10
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	0.896	0.020	--	3.37	0.075	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	3.22	0.020	--	21.8	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	0.022	0.020	--	0.101	0.092	--		1
Ethylbenzene	0.132	0.020	--	0.573	0.087	--		1
p/m-Xylene	0.433	0.040	--	1.88	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	0.216	0.020	--	0.919	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.168	0.020	--	0.729	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethylbenzene	0.066	0.020	--	0.324	0.098	--		1
1,2,4-Trimethylbenzene	0.280	0.020	--	1.38	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	0.247	0.020	--	1.48	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: L1016362
Report Date: 10/25/10

SAMPLE RESULTS

Lab ID: L1016362-06
Client ID: MP-8
Sample Location: PROVIDENCE, RI

Date Collected: 10/15/10 10:26
Date Received: 10/18/10
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	111		60-140
bromochloromethane	108		60-140
chlorobenzene-d5	106		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1016362
Report Date: 10/25/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 10/20/10 14:39

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): 01-06 Batch: WG438431-4								
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: L1016362
Report Date: 10/25/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 10/20/10 14:39

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): 01-06 Batch: WG438431-4								
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: L1016362
Report Date: 10/25/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-06 Batch: WG438431-3								
Dichlorodifluoromethane	116		-		70-130	-		25
Chloromethane	92		-		70-130	-		25
Vinyl chloride	112		-		70-130	-		25
Chloroethane	109		-		70-130	-		25
Acetone	99		-		70-130	-		25
Trichlorofluoromethane	117		-		70-130	-		25
Acrylonitrile	91		-		70-130	-		25
1,1-Dichloroethene	111		-		70-130	-		25
Methylene chloride	97		-		70-130	-		25
trans-1,2-Dichloroethene	99		-		70-130	-		25
1,1-Dichloroethane	94		-		70-130	-		25
Methyl tert butyl ether	88		-		70-130	-		25
2-Butanone	97		-		70-130	-		25
cis-1,2-Dichloroethene	103		-		70-130	-		25
Chloroform	109		-		70-130	-		25
1,2-Dichloroethane	99		-		70-130	-		25
1,1,1-Trichloroethane	90		-		70-130	-		25
Benzene	86		-		70-130	-		25
Carbon tetrachloride	101		-		70-130	-		25
1,2-Dichloropropane	87		-		70-130	-		25
Bromodichloromethane	88		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1016362
Report Date: 10/25/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-06 Batch: WG438431-3								
Trichloroethene	99		-		70-130	-		25
cis-1,3-Dichloropropene	91		-		70-130	-		25
4-Methyl-2-pentanone	77		-		70-130	-		25
trans-1,3-Dichloropropene	78		-		70-130	-		25
1,1,2-Trichloroethane	96		-		70-130	-		25
Toluene	96		-		70-130	-		25
Dibromochloromethane	109		-		70-130	-		25
1,2-Dibromoethane	114		-		70-130	-		25
Tetrachloroethene	117		-		70-130	-		25
1,1,1,2-Tetrachloroethane	107		-		70-130	-		25
Chlorobenzene	117		-		70-130	-		25
Ethylbenzene	110		-		70-130	-		25
p/m-Xylene	111		-		70-130	-		25
Bromoform	116		-		70-130	-		25
Styrene	115		-		70-130	-		25
1,1,2,2-Tetrachloroethane	118		-		70-130	-		25
o-Xylene	112		-		70-130	-		25
Isopropylbenzene	111		-		70-130	-		25
1,3,5-Trimethylbenzene	114		-		70-130	-		25
1,2,4-Trimethylbenzene	117		-		70-130	-		25
1,3-Dichlorobenzene	123		-		70-130	-		25

ALPHA ANALYTICAL

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL

Project Number: 14687.01

Lab Number: L1016362

Report Date: 10/25/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-06 Batch: WG438431-3								
1,4-Dichlorobenzene	120		-		70-130	-		25
sec-Butylbenzene	108		-		70-130	-		25
p-Isopropyltoluene	104		-		70-130	-		25
1,2-Dichlorobenzene	124		-		70-130	-		25
n-Butylbenzene	112		-		70-130	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1016362
Report Date: 10/25/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG438431-5 QC Sample: L1016363-01 Client ID: DUP Sample						
Dichlorodifluoromethane	0.518	0.490	ppbV	6		25
Chloromethane	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Acetone	ND	ND	ppbV	NC		25
Trichlorofluoromethane	0.245	0.230	ppbV	6		25
Acrylonitrile	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	1.30	1.66	ppbV	24		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	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Chloroform	ND	0.020	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	0.081	0.066	ppbV	20		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1016362
Report Date: 10/25/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG438431-5 QC Sample: L1016363-01 Client ID: DUP Sample					
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	0.150	0.151	ppbV	1	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	ND	ND	ppbV	NC	25
1,1,1,2-Tetrachloroethane	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	0.095	0.096	ppbV	1	25
p/m-Xylene	0.308	0.308	ppbV	0	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	0.080	0.080	ppbV	0	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1016362
Report Date: 10/25/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG438431-5 QC Sample: L1016363-01 Client ID: DUP Sample					
Isopropylbenzene	ND	ND	ppbV	NC	25
1,3,5-Trimethybenzene	0.025	0.027	ppbV	8	25
1,2,4-Trimethylbenzene	0.067	0.068	ppbV	1	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	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

Serial_No:10251016:11

Project Name: ALVAREZ HIGH SCHOOL

Lab Number: L1016362

Project Number: 14687.01

Report Date: 10/25/10

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
L1016362-01	IMP-1	0331	#90 SV		-	-	68	200	99
L1016362-01	IMP-1	198	2 7L Can	I1015774	-29.3	-0 2	-	-	-
L1016362-02	IMP-3	0023	#90 SV		-	-	72	72	0
L1016362-02	IMP-3	155	2 7L Can	L1014888	-29 5	-0 7	-	-	-
L1016362-03	MP-2	0180	#90 SV		-	-	71	74	4
L1016362-03	MP-2	213	2 7L Can	L1015694	-29 7	-1.4	-	-	-
L1016362-04	MP-5	0052	#90 SV		-	-	72	74	3
L1016362-04	MP-5	193	2 7L Can	I1015774	-29 5	-10.6	-	-	-
L1016362-05	MP-7	0165	#90 AMB		-	-	70	200	96
L1016362-05	MP-7	556	2 7L Can	L1014872	-29.6	-4 2	-	-	-
L1016362-06	MP-8	0314	#90 SV		-	-	71	75	5
L1016362-06	MP-8	259	2.7L Can	I1015694	-29.5	-0 9	-	-	-

Air Volatiles Can Certification

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1014872
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1014872-01
Client ID: CAN 238 SHELF 3
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/25/10 20:09
Analyst: RY

Date Collected: 09/23/10 00:00
Date Received: 09/23/10
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: L1014872
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1014872-01
Client ID: CAN 238 SHELF 3
Sample Location:

Date Collected: 09/23/10 00:00
Date Received: 09/23/10
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:** L1014872

Project Number: CANISTER QC BAT **Report Date:** 10/25/10

Air Canister Certification Results

Lab ID: L1014872-01 Date Collected: 09/23/10 00:00

Client ID: CAN 238 SHELF 3 Date Received: 09/23/10

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 (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: L1014872
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1014872-01
Client ID: CAN 238 SHELF 3
Sample Location:

Date Collected: 09/23/10 00:00
Date Received: 09/23/10
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								
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
Project Number: CANISTER QC BAT
Lab Number: L1014872
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1014872-01
Client ID: CAN 238 SHELF 3
Sample Location:

Date Collected: 09/23/10 00:00
Date Received: 09/23/10
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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	94		60-140

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

Lab Number: L1014872
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1014872-01
Client ID: CAN 238 SHELF 3
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/25/10 17:46
Analyst: AJ

Date Collected: 09/23/10 00:00
Date Received: 09/23/10
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	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:** L1014872

Project Number: CANISTER QC BAT **Report Date:** 10/25/10

Air Canister Certification Results

Lab ID: L1014872-01 Date Collected: 09/23/10 00:00

Client ID: CAN 238 SHELF 3 Date Received: 09/23/10

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: L1014872
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1014872-01
Client ID: CAN 238 SHELF 3
Sample Location:

Date Collected: 09/23/10 00:00
Date Received: 09/23/10
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:** L1014872

Project Number: CANISTER QC BAT **Report Date:** 10/25/10

Air Canister Certification Results

Lab ID: L1014872-01 Date Collected: 09/23/10 00:00

Client ID: CAN 238 SHELF 3 Date Received: 09/23/10

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	76		60-140
bromochloromethane	82		60-140
chlorobenzene-d5	79		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1014888
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1014888-01
Client ID: CAN 155 SHELF 10
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/25/10 19:03
Analyst: RY

Date Collected: 09/24/10 00:00
Date Received: 09/24/10
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
Methylene chloride	ND	1.00	–	ND	3.47	–		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1014888

Project Number: CANISTER QC BAT **Report Date:** 10/25/10

Air Canister Certification Results

Lab ID: L1014888-01 Date Collected: 09/24/10 00:00

Client ID: CAN 155 SHELF 10 Date Received: 09/24/10

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 (Low Level) - Mansfield Lab								
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
Trichloroethene	ND	0.200	--	ND	1.07	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1014888
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1014888-01
Client ID: CAN 155 SHELF 10
Sample Location:

Date Collected: 09/24/10 00:00
Date Received: 09/24/10
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								
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
Bromobenzene	ND	0.200	--	ND	1.28	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1014888

Project Number: CANISTER QC BAT **Report Date:** 10/25/10

Air Canister Certification Results

Lab ID: L1014888-01 Date Collected: 09/24/10 00:00

Client ID: CAN 155 SHELF 10 Date Received: 09/24/10

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 (Low Level) - Mansfield Lab								
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
Project Number: CANISTER QC BAT

Lab Number: L1014888
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1014888-01
Client ID: CAN 155 SHELF 10
Sample Location:

Date Collected: 09/24/10 00:00
Date Received: 09/24/10
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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	75		60-140
Bromochloromethane	78		60-140
chlorobenzene-d5	78		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1014888
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1014888-01
Client ID: CAN 155 SHELF 10
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/25/10 19:03
Analyst: AJ

Date Collected: 09/24/10 00:00
Date Received: 09/24/10
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	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: L1014888
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1014888-01
Client ID: CAN 155 SHELF 10
Sample Location:

Date Collected: 09/24/10 00:00
Date Received: 09/24/10
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								
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 **Lab Number:** L1014888

Project Number: CANISTER QC BAT **Report Date:** 10/25/10

Air Canister Certification Results

Lab ID: L1014888-01 Date Collected: 09/24/10 00:00

Client ID: CAN 155 SHELF 10 Date Received: 09/24/10

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								
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
Project Number: CANISTER QC BAT
Lab Number: L1014888
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1014888-01
Client ID: CAN 155 SHELF 10
Sample Location:

Date Collected: 09/24/10 00:00
Date Received: 09/24/10
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	74		60-140
bromochloromethane	79		60-140
chlorobenzene-d5	79		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1015694
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1015694-01
Client ID: CAN 259 SHELF 2
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 10/07/10 16:00
Analyst: RY

Date Collected: 10/05/10 00:00
Date Received: 10/05/10
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

ALPHA ANALYTICAL

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

Lab Number: L1015694
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1015694-01
Client ID: CAN 259 SHELF 2
Sample Location:

Date Collected: 10/05/10 00:00
Date Received: 10/05/10
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:** L1015694

Project Number: CANISTER QC BAT **Report Date:** 10/25/10

Air Canister Certification Results

Lab ID: L1015694-01 Date Collected: 10/05/10 00:00

Client ID: CAN 259 SHELF 2 Date Received: 10/05/10

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 (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: L1015694
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1015694-01
Client ID: CAN 259 SHELF 2
Sample Location:

Date Collected: 10/05/10 00:00
Date Received: 10/05/10
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								
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

ALPHA ANALYTICAL

Project Name:	BATCH CANISTER CERTIFICATION	***Lab Number:***	L1015694
Project Number:	CANISTER QC BAT	***Report Date:***	10/25/10

Air Canister Certification Results

Lab ID:	L1015694-01	Date Collected:	10/05/10 00:00
Client ID:	CAN 259 SHELF 2	Date Received:	10/05/10
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	100		60-140
chlorobenzene-d5	88		60-140

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

Lab Number: L1015694
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1015694-01
Client ID: CAN 259 SHELF 2
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/08/10 21:05
Analyst: RY

Date Collected: 10/05/10 00:00
Date Received: 10/05/10
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	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

ALPHA ANALYTICAL

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1015694
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1015694-01
Client ID: CAN 259 SHELF 2
Sample Location:

Date Collected: 10/05/10 00:00
Date Received: 10/05/10
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								
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: L1015694
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1015694-01
Client ID: CAN 259 SHELF 2
Sample Location:

Date Collected: 10/05/10 00:00
Date Received: 10/05/10
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
Project Number: CANISTER QC BAT
Lab Number: L1015694
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1015694-01
Client ID: CAN 259 SHELF 2
Sample Location:

Date Collected: 10/05/10 00:00
Date Received: 10/05/10
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	83		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	82		60-140

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

Lab Number: L1015774
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1015774-01
Client ID: CAN 116 SHELF 8
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 10/09/10 16:35
Analyst: AJ

Date Collected: 10/05/10 00:00
Date Received: 10/05/10
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

ALPHA ANALYTICAL

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1015774

Project Number: CANISTER QC BAT **Report Date:** 10/25/10

Air Canister Certification Results

Lab ID: L1015774-01 Date Collected: 10/05/10 00:00

Client ID: CAN 116 SHELF 8 Date Received: 10/05/10

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 (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

ALPHA ANALYTICAL

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1015774
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1015774-01
Client ID: CAN 116 SHELF 8
Sample Location:

Date Collected: 10/05/10 00:00
Date Received: 10/05/10
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								
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: L1015774
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1015774-01
Client ID: CAN 116 SHELF 8
Sample Location:

Date Collected: 10/05/10 00:00
Date Received: 10/05/10
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								
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
Project Number: CANISTER QC BAT
Lab Number: L1015774
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1015774-01
Client ID: CAN 116 SHELF 8
Sample Location:

Date Collected: 10/05/10 00:00
Date Received: 10/05/10
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								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	103		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	99		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1015774
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1015774-01
Client ID: CAN 116 SHELF 8
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/08/10 21:42
Analyst: RY

Date Collected: 10/05/10 00:00
Date Received: 10/05/10
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	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: L1015774
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1015774-01
Client ID: CAN 116 SHELF 8
Sample Location:

Date Collected: 10/05/10 00:00
Date Received: 10/05/10
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								
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: L1015774
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1015774-01
Client ID: CAN 116 SHELF 8
Sample Location:

Date Collected: 10/05/10 00:00
Date Received: 10/05/10
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
Project Number: CANISTER QC BAT

Lab Number: L1015774
Report Date: 10/25/10

Air Canister Certification Results

Lab ID: L1015774-01
Client ID: CAN 116 SHELF 8
Sample Location:

Date Collected: 10/05/10 00:00
Date Received: 10/05/10
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	76		60-140
bromochloromethane	85		60-140
chlorobenzene-d5	80		60-140

AIR Petro Can Certification

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1014872

Project Number: CANISTER QC BAT **Report Date:** 10/25/10

AIR CAN CERTIFICATION RESULTS

Lab ID:	L1014872-01	Date Collected:	09/23/10 00:00
Client ID:	CAN 238 SHELF 3	Date Received:	09/23/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	09/25/10 17:46		
Analyst:	RY		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	--	1
Methyl tert butyl ether	ND		ug/m3	2.0	--	1
Benzene	ND		ug/m3	2.0	--	1
Toluene	ND		ug/m3	2.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	12	--	1
Ethylbenzene	ND		ug/m3	2.0	--	1
p/m-Xylene	ND		ug/m3	4.0	--	1
o-Xylene	ND		ug/m3	2.0	--	1
Naphthalene	ND		ug/m3	2.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1014888

Project Number: CANISTER QC BAT **Report Date:** 10/25/10

AIR CAN CERTIFICATION RESULTS

Lab ID:	L1014888-01	Date Collected:	09/24/10 00:00
Client ID:	CAN 155 SHELF 10	Date Received:	09/24/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	09/25/10 19:03		
Analyst:	RY		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons In Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	--	1
Methyl tert butyl ether	ND		ug/m3	2.0	--	1
Benzene	ND		ug/m3	2.0	--	1
Toluene	ND		ug/m3	2.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	12	--	1
Ethylbenzene	ND		ug/m3	2.0	--	1
p/m-Xylene	ND		ug/m3	4.0	--	1
o-Xylene	ND		ug/m3	2.0	--	1
Naphthalene	ND		ug/m3	2.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1

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

Lab Number: L1015694
Report Date: 10/25/10

AIR CAN CERTIFICATION RESULTS

Lab ID:	L1015694-01	Date Collected:	10/05/10 00:00
Client ID:	CAN 259 SHELF 2	Date Received:	10/05/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	10/08/10 21:05		
Analyst:	RY		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	--	1
Methyl tert butyl ether	ND		ug/m3	2.0	--	1
Benzene	ND		ug/m3	2.0	--	1
Toluene	ND		ug/m3	2.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	12	--	1
Ethylbenzene	ND		ug/m3	2.0	--	1
p/m-Xylene	ND		ug/m3	4.0	--	1
o-Xylene	ND		ug/m3	2.0	--	1
Naphthalene	ND		ug/m3	2.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1015774

Project Number: CANISTER QC BAT **Report Date:** 10/25/10

AIR CAN CERTIFICATION RESULTS

Lab ID:	L1015774-01	Date Collected:	10/05/10 00:00
Client ID:	CAN 116 SHELF 8	Date Received:	10/05/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	10/08/10 21:42		
Analyst:	RY		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	--	1
Methyl tert butyl ether	ND		ug/m3	2.0	--	1
Benzene	ND		ug/m3	2.0	--	1
Toluene	ND		ug/m3	2.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	12	--	1
Ethylbenzene	ND		ug/m3	2.0	--	1
p/m-Xylene	ND		ug/m3	4.0	--	1
o-Xylene	ND		ug/m3	2.0	--	1
Naphthalene	ND		ug/m3	2.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1016362
Report Date: 10/25/10

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(*)
L1016362-01A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1016362-02A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1016362-03A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1016362-04A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1016362-05A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1016362-06A	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:** L1016362

Project Number: 14687.01 **Report Date:** 10/25/10

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
Project Number: 14687.01

Lab Number: L1016362
Report Date: 10/25/10

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.

Project Name: ALVAREZ HIGH SCHOOL **Lab Number:** L1016362
Project Number: 14687.01 **Report Date:** 10/25/10

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.

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 #: L1014362

Client Information

Client: EA Engineering
Address: 2374 Post Rd, Warwick, RI 02886
Phone: 401-736-3440
Fax: 401-736-3423
Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Alvarez HS
Project Location: Providence, RI
Project #: 14687.01
Project Manager: F. 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)

Billing Information

☐ Same as Client Info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria
CT	Target Analytes	

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)
L1014362-01	Imp-1	10/15/10	0846	0918	-29	-2	SV	PT/DA	2.7L	198	331			X					196 ppb
-02	Imp-3		0853	0923	-30	-2			2.7L	155	0023								256 ppb
-03	Mp-2		0913	0943	-30	-5				213	0180								188 ppb
-04	Mp-5		1012	1040	-30	-16				193	052								55 ppb
-05	Mp-7		1005	1033	-30	-9				556	165								87 ppb
-06	Mp-8		0957	1026	-28	-5				259	0314								75 ppb

PID Rdgs

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

Container Type

Relinquished By:	Date/Time	Received By:	Date/Time:
[signature]	10/18/10 1340	[signature]	10/18/10 1340
[signature]	10/18/10 1600	Michelle A Rose	10/18/10 1600

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.

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

Serial_No:10251016:11

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/m³)	Hourly Emission (lbs/hour)	Daily Emission (lbs/day)	Yearly Emission (lbs/year)	Concentration (ug/m³)	Hourly Emission (lbs/hour)	Daily Emission (lbs/day)	Yearly Emission (lbs/year)	Concentration (ug/m³)	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	6.20E-08	1.49E-06	5.43E-04	0.137 U	3.74E-08	8.97E-07	3.27E-04	0.137 U	5.56E-08	1.33E-06	4.87E-04	1.55E-07	3.72E-06	1.36E-03
1,1,1-Trichloroethane	2.870	1.30E-06	3.12E-05	1.14E-02	1.54	4.20E-07	1.01E-05	3.68E-03	0.949	3.85E-07	9.24E-06	3.37E-03	2.10E-06	5.04E-05	1.84E-02
1,1,2,2-Tetrachloroethane	0.137 U	6.20E-08	1.49E-06	5.43E-04	0.137 U	3.74E-08	8.97E-07	3.27E-04	0.137 U	5.56E-08	1.33E-06	4.87E-04	1.55E-07	3.72E-06	1.36E-03
1,1,2-Trichloroethane	0.109 U	4.93E-08	1.18E-06	4.32E-04	0.109 U	2.97E-08	7.13E-07	2.60E-04	0.109 U	4.42E-08	1.06E-06	3.87E-04	1.23E-07	2.96E-06	1.08E-03
1,1-Dichloroethane	0.109	4.93E-08	1.18E-06	4.32E-04	0.081 U	2.21E-08	5.30E-07	1.93E-04	0.081 U	3.28E-08	7.88E-07	2.88E-04	1.01E-07	2.43E-06	8.86E-04
1,1-Dichloroethene	0.079 U	3.58E-08	8.58E-07	3.13E-04	0.079 U	2.15E-08	5.17E-07	1.89E-04	0.079 U	3.20E-08	7.69E-07	2.81E-04	8.93E-08	2.14E-06	7.83E-04
1,2,4-Trimethylbenzene	2.660	1.20E-06	2.89E-05	1.05E-02	2.63	7.17E-07	1.72E-05	6.28E-03	1.96	7.95E-07	1.91E-05	6.98E-03	2.72E-06	6.52E-05	2.38E-02
1,2-Dibromoethane	0.154 U	6.97E-08	1.67E-06	6.11E-04	0.154 U	4.20E-08	1.01E-06	3.68E-04	0.154 U	6.25E-08	1.50E-06	5.47E-04	1.74E-07	4.18E-06	1.53E-03
1,2-Dichlorobenzene	0.120 U	5.43E-08	1.30E-06	4.76E-04	0.120 U	3.27E-08	7.85E-07	2.87E-04	0.120 U	4.87E-08	1.17E-06	4.26E-04	1.36E-07	3.26E-06	1.19E-03
1,2-Dichloroethane	0.109	4.93E-08	1.18E-06	4.32E-04	0.081 U	2.21E-08	5.30E-07	1.93E-04	0.081 U	3.28E-08	7.88E-07	2.88E-04	1.01E-07	2.43E-06	8.86E-04
1,2-Dichloropropane	0.092 U	4.16E-08	1.00E-06	3.65E-04	0.092 U	2.51E-08	6.02E-07	2.20E-04	0.092 U	3.73E-08	8.95E-07	3.27E-04	1.14E-07	2.74E-06	1.00E-03
1,3,5-Trimethylbenzene	0.727	3.29E-07	7.90E-06	2.88E-03	0.673	1.84E-07	4.40E-06	1.61E-03	0.555	2.25E-07	5.40E-06	1.97E-03	7.38E-07	1.77E-05	6.46E-03
1,3-Dichlorobenzene	0.120 U	5.43E-08	1.30E-06	4.76E-04	0.120 U	3.27E-08	7.85E-07	2.87E-04	0.120 U	4.87E-08	1.17E-06	4.26E-04	1.36E-07	3.26E-06	1.19E-03
1,4-Dichlorobenzene	1.190	5.34E-07	1.28E-05	4.68E-03	1.32	3.60E-07	8.64E-06	3.15E-03	0.721	2.92E-07	7.02E-06	2.56E-03	1.10E-06	2.65E-05	9.68E-03
2-Butanone	10.000	4.53E-06	1.09E-04	3.97E-02	4.99 U	1.36E-06	3.27E-05	1.19E-02	1.71	6.94E-07	1.66E-05	6.06E-03	6.58E-06	1.58E-04	5.77E-02
4-Methyl-2-pentanone	2.050 U	9.28E-07	2.23E-05	8.13E-03	2.05 U	5.59E-07	1.34E-05	4.89E-03	2.05 U	8.31E-07	2.00E-05	7.28E-03	2.32E-06	5.56E-05	2.03E-02
Acetone	62.000	2.81E-05	6.74E-04	2.46E-01	41.6	1.13E-05	2.72E-04	9.94E-02	15.1	6.12E-06	1.47E-04	5.37E-02	4.85E-05	1.16E-03	4.23E-01
Acrylonitrile	1.080 U	4.89E-07	1.17E-05	4.28E-03	1.08 U	2.94E-07	7.07E-06	2.58E-03	1.08 U	4.38E-07	1.05E-05	3.84E-03	1.22E-06	2.91E-05	1.07E-02
Benzene	0.370	1.67E-07	4.02E-06	1.47E-03	0.319	8.70E-08	2.09E-06	7.62E-04	0.319	1.29E-07	3.11E-06	1.13E-03	3.84E-07	9.21E-06	3.36E-03
Bromodichloromethane	0.134 U	6.07E-08	1.46E-06	5.31E-04	0.134 U	3.65E-08	8.77E-07	3.20E-04	0.134 U	5.44E-08	1.30E-06	4.76E-04	1.52E-07	3.64E-06	1.33E-03
Bromoform	0.206 U	9.33E-08	2.24E-06	8.17E-04	0.206 U	5.62E-08	1.35E-06	4.92E-04	0.206 U	8.36E-08	2.01E-06	7.32E-04	2.33E-07	5.59E-06	2.04E-03
Carbon tetrachloride	0.592	2.70E-07	6.49E-06	2.37E-03	0.459	1.25E-07	3.00E-06	1.10E-03	0.471	1.91E-07	4.58E-06	1.67E-03	5.86E-07	1.41E-05	5.14E-03
Chlorobenzene	0.092 U	4.16E-08	1.00E-06	3.65E-04	0.092 U	2.51E-08	6.02E-07	2.20E-04	0.092 U	3.73E-08	8.95E-07	3.27E-04	1.14E-07	2.74E-06	1.00E-03
Chloroethane	0.066	2.99E-08	7.17E-07	2.62E-04	0.15	4.09E-08	9.82E-07	3.58E-04	0.053 U	2.15E-08	5.16E-07	1.88E-04	9.22E-08	2.21E-06	8.08E-04
Chloroform	0.385	1.74E-07	4.18E-06	1.53E-03	0.454	1.24E-07	2.97E-06	1.08E-03	0.532	2.16E-07	5.18E-06	1.89E-03	5.14E-07	1.23E-05	4.50E-03
Chloromethane	1.310	5.93E-07	1.42E-05	5.20E-03	1.03 U	2.81E-07	6.74E-06	2.46E-03	1.03 U	4.18E-07	1.00E-05	3.66E-03	1.29E-06	3.10E-05	1.13E-02
cis-1,2-Dichloroethene	0.131	5.93E-08	1.42E-06	5.20E-04	0.079 U	2.15E-08	5.17E-07	1.89E-04	0.079 U	3.37E-08	8.08E-07	2.95E-04	1.15E-07	2.75E-06	1.00E-03
cis-1,3-Dichloropropene	0.091 U	4.12E-08	9.89E-07	3.61E-04	0.091 U	2.48E-08	5.96E-07	2.17E-04	0.091 U	3.69E-08	8.86E-07	3.23E-04	1.13E-07	2.71E-06	9.89E-04
Dibromochloromethane	0.170 U	7.70E-08	1.85E-06	6.74E-04	0.17 U	4.64E-08	1.11E-06	4.06E-04	0.17 U	6.90E-08	1.65E-06	6.04E-04	1.92E-07	4.61E-06	1.68E-03
Dichlorodifluoromethane	1.840	1.74E-06	4.17E-05	1.52E-02	2.46	6.71E-07	1.61E-05	5.88E-03	2.25	9.13E-07	2.19E-05	7.99E-03	3.32E-06	7.97E-05	2.91E-02
Ethylbenzene	0.547	2.48E-07	5.94E-06	2.17E-03	0.425	1.16E-07	2.78E-06	1.02E-03	1.04	4.22E-07	1.01E-05	3.70E-03	7.85E-07	1.88E-05	6.88E-03
Isopropylbenzene	2.460 U	1.11E-06	2.67E-05	9.76E-03	2.46 U	6.71E-07	1.61E-05	5.88E-03	2.46 U	9.98E-07	2.39E-05	8.74E-03	2.78E-06	6.68E-05	2.44E-02
Methyl tert butyl ether	0.072 U	3.26E-08	7.82E-07	2.86E-04	0.072 U	1.96E-08	4.71E-07	1.72E-04	0.072 U	2.92E-08	7.01E-07	2.56E-04	8.14E-08	1.95E-06	7.11E-04
Methylene chloride	18.300	8.28E-06	1.99E-04	7.26E-02	16.9 U	4.61E-06	1.11E-04	4.04E-02	17.7 U	7.18E-06	1.72E-04	6.29E-02	2.01E-05	4.82E-04	1.76E-01
n-Butylbenzene	2.740 U	1.24E-06	2.98E-05	1.09E-02	2.74 U	7.47E-07	1.79E-05	6.54E-03	2.74 U	1.11E-06	2.67E-05	9.74E-03	3.10E-06	7.44E-05	2.71E-02
o-Xylene	0.698	3.16E-07	7.58E-06	2.77E-03	0.586	1.60E-07	3.83E-06	1.40E-03	0.482	1.95E-07	4.69E-06	1.71E-03	6.71E-07	1.61E-05	5.88E-03
n-Propylbenzene	2.740 U	1.24E-06	2.98E-05	1.09E-02	2.74 U	7.47E-07	1.79E-05	6.54E-03	2.74 U	1.11E-06	2.67E-05	9.74E-03	3.10E-06	7.44E-05	2.71E-02
p-Xylene	1.640	7.42E-07	1.78E-05	6.50E-03	1.5	4.09E-07	9.82E-06	3.58E-03	2.11	8.56E-07	2.05E-05	7.50E-03	2.01E-06	4.82E-05	1.76E-02
sec-Butylbenzene	2.740 U	1.24E-06	2.98E-05	1.09E-02	2.74 U	7.47E-07	1.79E-05	6.54E-03	2.74 U	1.11E-06	2.67E-05	9.74E-03	3.10E-06	7.44E-05	2.71E-02
Styrene	0.332	1.50E-07	3.61E-06	1.32E-03	0.289	7.88E-08	1.89E-06	6.90E-04	0.099	3.97E-08	9.54E-07	3.48E-04	2.69E-07	6.45E-06	2.36E-03
Tetrachloroethene	14.800	1.58E-05	3.78E-04	1.38E-01	16.5	4.50E-06	1.08E-04	3.94E-02	30.2	3.25E-05	7.80E-04	2.85E-01	5.28E-05	1.27E-03	4.62E-01
Toluene	1.810	8.19E-07	1.97E-05	7.18E-03	1.13	3.08E-07	7.39E-06	2.70E-03	1.42	5.76E-07	1.38E-05	5.05E-03	1.70E-06	4.09E-05	1.49E-02
trans-1,2-Dichloroethene	0.079 U	3.58E-08	8.58E-07	3.13E-04	0.079 U	2.15E-08	5.17E-07	1.89E-04	0.079 U	3.20E-08	7.69E-07	2.81E-04	8.93E-08	2.14E-06	7.83E-04
trans-1,3-Dichloropropene	0.091 U	4.12E-08	9.89E-07	3.61E-04	0.091 U	2.48E-08	5.96E-07	2.17E-04	0.091 U	3.69E-08	8.86E-07	3.23E-04	1.03E-07	2.47E-06	9.02E-04
Trichloroethene	112.000	5.07E-05	1.22E-03	4.44E-01	90.6	2.47E-05	5.93E-04	2.16E-01	32	1.30E-05	3.12E-04	1.14E-01	8.83E-05	2.12E-03	7.74E-01
Trichlorofluoromethane	78.400	3.55E-05	8.52E-04	3.11E-01	131	3.57E-05	8.57E-04	3.13E-01	14.3	5.80E-06	1.39E-04	5.08E-02	7.70E-05	1.85E-03	6.75E-01
Vinyl chloride	0.051 U	2.31E-08	5.54E-07	2.02E-04	0.051 U	1.39E-08	3.34E-07	1.22E-04	0.051 U	2.07E-08	4.96E-07	1.81E-04	5.77E-08	1.38E-06	5.03E-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	2.86E-00
RIDEM Air Pollution Control Permit Applicability Thresholds (lbs) *		**10**	**100**	**20,000 (Individual VOCs) 50,000 (Total VOCs)**	**Not Applicable**	**10**	**100**	**20,000 (Individual VOCs) 50,000 (Total VOCs)**	**Not Applicable**	**10**	**100**	**20,000 (Individual VOCs) 50,000 (Total VOCs)**	**10**	**100**	**20,000 (Individual VOCs) 50,000 (Total VOCs)**

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

Hourly Emissions (lbs/hour) = VOC concentration (ug/m³) x measured flow rate (cfm) x 0.02832 m³/ft³ x 60 min/hour x 0.001 mg/ug x 0.001 g/mg x 0.0022 lb/g

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

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

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

Appendix E

Laboratory Reporting Limits Correspondence

November 9, 2010

Frank Postma
EA Engineering, Science & Technology
2374 Post Road
Warwick, RI 02886

RE: Methylene Chloride reported for L1010918 & L1016363

Frank;

Per your discussion with Joe Foley (sales representative, Alpha Analytical), you had questioned detections of methylene chloride in the laboratory reports recently issued by Alpha, job# L1010918 and L1016363. Methylene Chloride is indeed used in the facility in the organic preparation lab to perform extractions for semivolatile analyses, and we have put a number of controls in place to eliminate any contamination of air samples due to the use of this compound in the facility.

- The laboratory areas in which canisters are cleaned, prepared for shipment, and analyzed is kept under positive pressure to control air from the prep lab infiltrating the canister preparation room and air analysis laboratory.

- The opening of canisters is minimized, and only done in the rooms under positive pressure to avoid potential impacts of laboratory air.

With these controls in place, however, we have observed an increase in detection of methylene chloride in samples over the past few months. The standard laboratory quality control analyses, i.e. method blanks, have not detected this compound at significant levels, and therefore we have no reason, other than intuition, to question the methylene chloride results. In addition, we will be making a significant investment (i.e. $250K) in HVAC controls by the end of this year in order to further reduce any potential for methylene chloride contamination.

If it is of any assistance, Alpha has agreed to provide analytical services at no additional cost for any re-sampling needed to confirm the presence of this compound. If you have any questions, or would like to discuss this matter further, please feel free to contact myself or Joe Foley.

Regards,

Andy Rezendes
Product Line Manager-Air Testing
Alpha Analytical, Inc.
508-844-4181 direct line