



Airport Professional Park
2374 Post Road, Suite 102
Warwick, Rhode Island 02886
Telephone: 401-736-3440
Fax: 401-736-3423
www.eaest.com

EA Engineering, Science, and Technology, Inc.

11 October 2012

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

*RE: Quarterly O&M Status Report No. 20
Alvarez High School, 333 Adelaide Avenue, Providence, Rhode Island
Case No. 2005-029
EA Project No. 14687.01.0002*

Dear Mr. Martella:

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

This O&M Report summarizes recently-completed Site activities related to compliance subslab vapor and indoor air sampling for the period from June through August 2012.

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
Director, Prov. Redevelopment Agency
J. Padwa, 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. 20

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

EA Project No. 14687.01.0002
October 2012

TABLE OF CONTENTS

	<u>Page</u>
1. INTRODUCTION AND BACKGROUND	1
2. SUMMARY OF SSD SYSTEM AND INDOOR METHANE MONITORING SYSTEM PERFORMANCE	2
2.1 SSD System	2
2.2 Indoor Methane Monitoring System	2
2.3 Ambient Outdoor and Indoor Air Sampling	3
2.4 Subslab Vapor Sampling and Evaluation of Potential VOC Rebound Effect	4
2.5 Summary of Rooftop VOC Emissions	4
2.6 Conclusions	5
3. FUTURE ACTIVITIES AND NEXT QUARTERLY SUMMARY REPORT	6

FIGURES

FIGURE 1:	SITE LOCATION MAP
FIGURE 2:	INDOOR AIR SAMPLING AND METHANE MONITORING SYSTEM DIAGRAM
FIGURE 3:	AS-BUILT SUBSLAB MONITORING AND SAMPLING PLAN

APPENDICES

APPENDIX A:	O&M FIELD FORMS
APPENDIX B:	INDOOR AND AMBIENT OUTDOOR AIR ANALYTICAL SUMMARY AND LAB REPORTS
APPENDIX C:	SUBSLAB VAPOR ANALYTICAL SUMMARY AND LAB REPORT
APPENDIX D:	ROOFTOP EMISSION ANALYTICAL SUMMARY
APPENDIX E:	LABORATORY REPORTING LIMITS CORRESPONDENCE

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. 20 for the Parcel B area of the former Gorham Manufacturing site in Providence, Rhode Island, formerly referred to as Adelaide Avenue High School and now referred to as Alvarez High School 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 OA will collectively be referred to as the Amended OA.

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

This report summarizes the O&M, monitoring, and sampling activities completed at the Site for the 3-month period from June through August 2012 (Quarterly Reporting Period No. 20) and also includes an overall evaluation of volatile organic compound (VOC) concentrations within soil gas as they pertain to a potential rebound effect at the Site. Please refer to Quarterly O&M Status Reports No. 1 through No. 19 for information regarding monitoring and sampling at the Site during the previous quarters. The RACR and previously-submitted monthly correspondence contain details regarding the results of the monitoring and sampling program for the period between March and August 2007.

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

2.1 SSD SYSTEM

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

- Monthly subslab vacuum monitoring at 11 monitoring locations, as illustrated on the As-Built Subslab Monitoring and Sampling Plan provided as Figure 3.
- Monthly inspections and monitoring of 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 locations were between -0.01 and -0.42 in. of water column. These measurements confirm that continuous negative pressure has been maintained 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 provided as Figure 2) during this reporting period. In addition, the methane monitoring system was inspected and filters were 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.

On 20 July 2012, 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 October 2012.

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 20 July 2012. The outdoor ambient sample was collected from the north side of the school (upwind) to ensure that system emission was not captured in the sample. Sampling locations are shown on the Indoor Air Sampling and Methane Monitoring System Diagram provided as Figure 2. The indoor air sampling results were compared to the State of Connecticut's Draft Proposed Indoor Residential Targeted Air Concentrations (CT RTACs) in accordance with the Amended OA. The laboratory method reporting limits (MRLs) for several VOCs reported via TO-15 analysis, even though analyzed via the SIM procedure, were greater than the respective CT RTACs. 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 MRL verification letter from Con-Test Analytical Laboratory is provided in Appendix E. A data summary table and copies of the laboratory data reports associated with this sampling event are provided in Appendix B.

Chloroform was detected in the Cafeteria and in Room 152 at concentrations (0.520 and $0.580 \mu\text{g}/\text{m}^3$, respectively) exceeding the CT RTAC ($0.5 \mu\text{g}/\text{m}^3$). This compound is not a contaminant of concern at the site. This compound can be created through a reaction when chlorine bleach reacts with other compounds in common cleaning materials. Further investigation into these detections is not warranted as this is not a contaminant of concern at the site and the concentrations were only slightly above the indoor air standard. Chloroform was detected at subslab sampling point IMP-2 at a concentration of $0.580 \mu\text{g}/\text{m}^3$. This concentration is consistent with the detected indoor air concentrations indicating the lack of dilution between the soil gas and indoor air. Therefore, the source of these detections is likely laboratory contamination.

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 and $0.77 \mu\text{g}/\text{m}^3$ (the CT RTAC is $0.5 \mu\text{g}/\text{m}^3$). Similarly, during this reporting period the ambient outdoor and indoor air concentrations of carbon tetrachloride ranged between 0.49 and $0.61 \mu\text{g}/\text{m}^3$. Discussions and guidance provided by the Rhode Island Department of Health, RIDEM Office of Waste Management, and RIDEM Office of Air Resources 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.

All other compounds analyzed were below the applicable CT RTACs for all samples collected on 20 July 2012.

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 20 July 2012 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.

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

2.5 SUMMARY OF ROOFTOP VOC EMISSIONS

The Amended OA requires that rooftop VOC sampling be completed on an annual basis. The latest rooftop VOC sampling event was completed during this quarter on 20 July 2012 and 31 August 2012 and is summarized in Appendix D. No exceedances of the RIDEM Air Pollution Control Permit Applicability Thresholds for hourly, daily, or yearly emissions were detected. The 2013 annual rooftop effluent VOC sampling event is scheduled for July 2013 to accommodate the quarterly sampling schedule.

Previous rooftop effluent sampling rounds conducted in March 2007 (immediately after SSD system startup), June 2007, June 2008, September 2009, July 2010, and July 2011 indicated compliance with all Air Pollution Control Permit Applicability Thresholds. In general, the VOC concentrations in the rooftop effluent associated with the July 2012 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 D.

2.6 CONCLUSIONS

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

- The consistent negative pressure maintained below the floor slab indicates that soil vapor intrusion into the Alvarez High School is not occurring.
- Subslab vapor rebound is not occurring at the school, based on analytical data from this sampling event.

- 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.
- Chloroform was detected in the Cafeteria and in Room 152 at concentrations (0.520 and 0.580 $\mu\text{g}/\text{m}^3$, respectively) exceeding the CT RTAC (0.5 $\mu\text{g}/\text{m}^3$). This compound is not a contaminant of concern at the site. This compound can be created through a reaction when chlorine bleach reacts with other compounds in common cleaning materials. Further investigation into these detections is not warranted as this is not a contaminant of concern at the site and the concentrations were only slightly above the indoor air standard. Chloroform was detected at subslab sampling point IMP-2 at a concentration of 0.580 $\mu\text{g}/\text{m}^3$. This concentration is consistent with the detected indoor air concentrations indicating the lack of dilution between the soil gas and indoor air. Therefore, the source of these detections is likely laboratory contamination.
- 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 and 0.77 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.

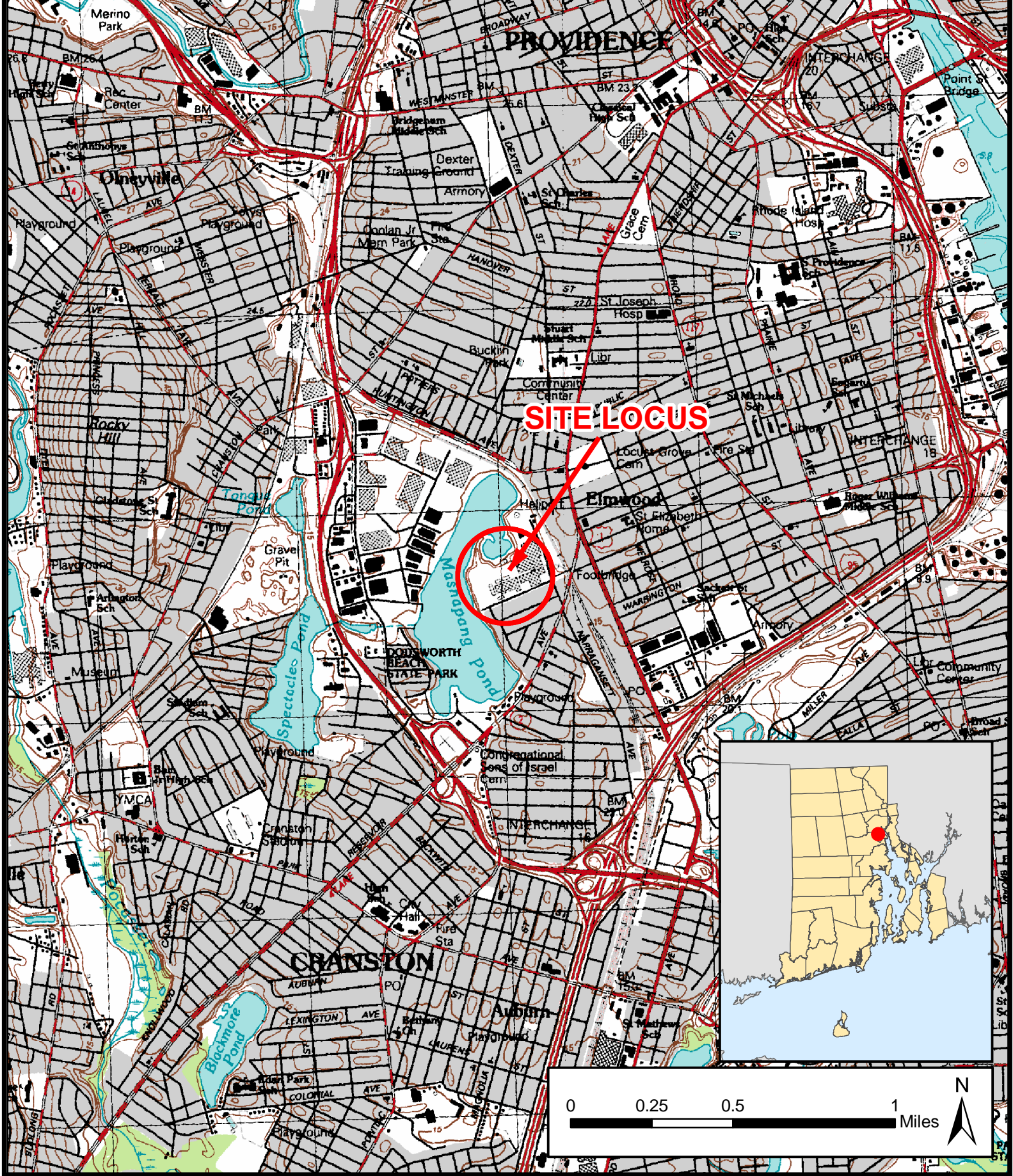
3. FUTURE ACTIVITIES AND NEXT QUARTERLY SUMMARY REPORT

The following activities will be completed in accordance with the Amended OA during the next quarterly status reporting period ending 30 November 2012:

- 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; and
- Collection of air samples from eight indoor locations, one ambient location, and six subslab monitoring points in October 2012.

These activities will be summarized in the next status report (Quarterly Status Report No. 21), expected to be submitted by the end of December 2012.

FIGURES



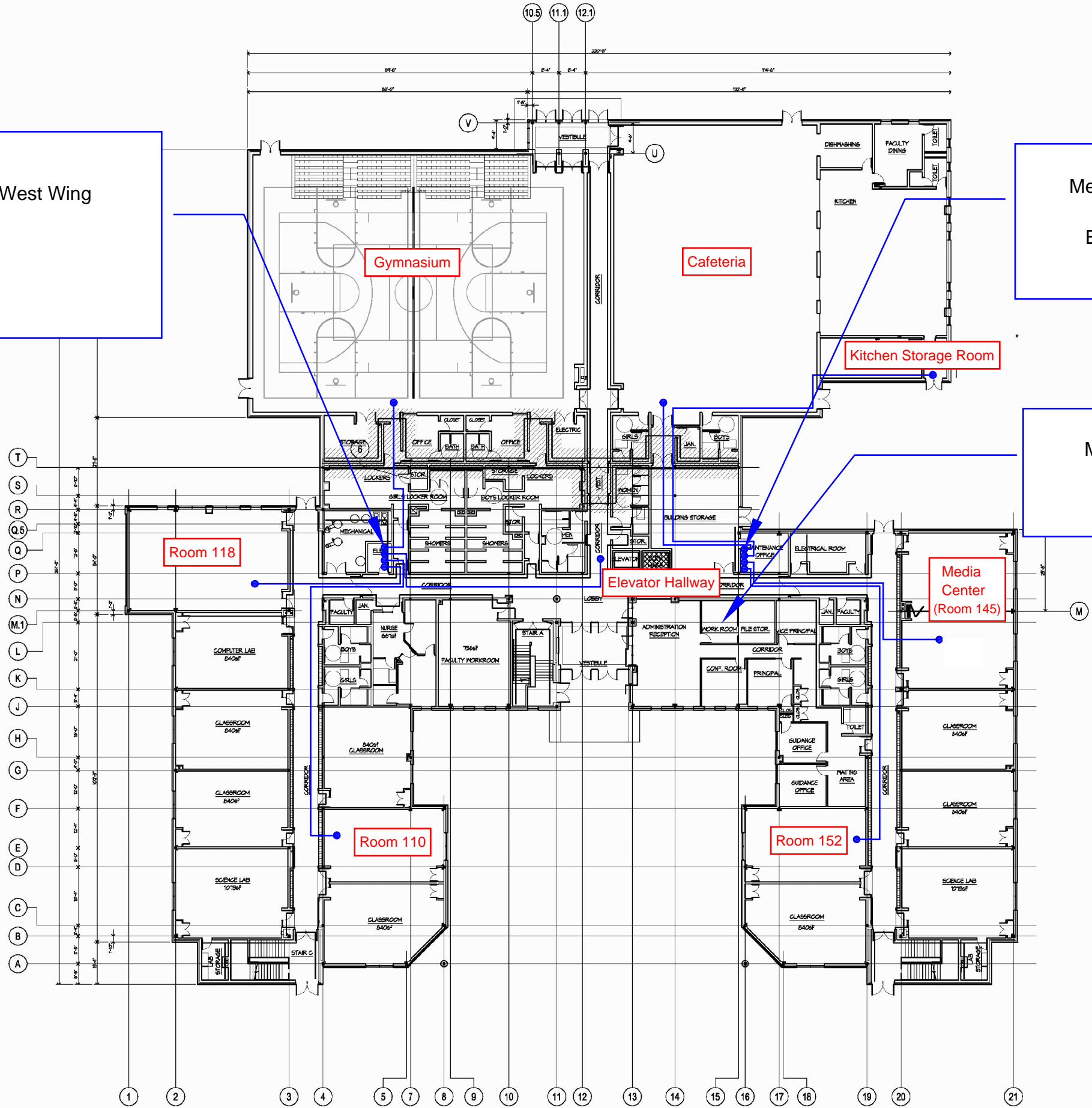
ALVAREZ HIGH SCHOOL
 333 ADELAIDE AVENUE
 PROVIDENCE, RHODE ISLAND

FIGURE 1
 SITE LOCUS

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

Methane Sensor Location in West Wing
Electrical Room Area

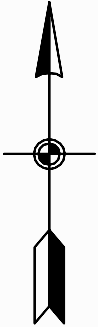
Methane Sensor Location in East Wing
Electrical Room/Maintenance Office Area.



Methane System Controller Location
Administration Work Room

NOTE: NOT TO SCALE

PROJECT NORTH



DESIGNED BY PMG	DRAWN BY PMG	DATE 4-3-07	PROJECT NO. 61965.01	FILE NAME Gorham Layout
CHECKED BY PMG	PROJECT MGR. PMG	SCALE NTS	DRAWING NO. -	FIGURE N/A

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

QUARTERLY STATUS REPORT
FIGURE 2

LEGEND :

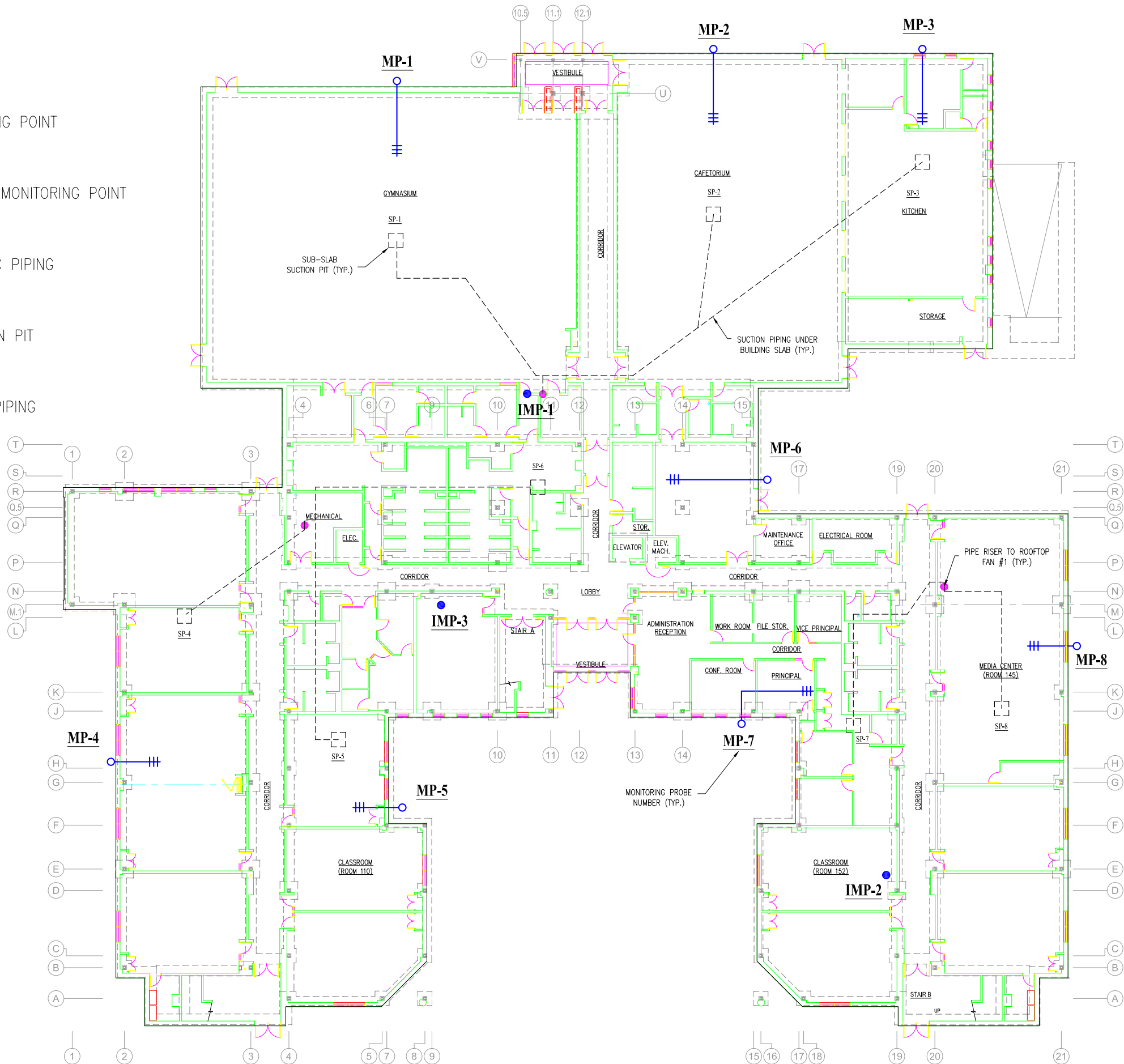
MP-1 SUB-SLAB MONITORING POINT

IMP-1 INTERIOR SUB-SLAB MONITORING POINT

—||— SLOTTED 1 INCH PVC PIPING

SP-1
□ SSD SYSTEM SUCTION PIT

----- SOLID 4 INCH PVC PIPING



DESIGNED BY PMG	DRAWN BY DMA	DATE AUG 27 2007	PROJECT NO. 14687.01	FILE NAME FIG 3
CHECKED BY PMG	PROJECT MGR. PMG	SCALE NTS	DRAWING NO. N/A	FIGURE 3

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

QUARTERLY STATUS REPORT
FIGURE 3

APPENDIX A

O&M Field Forms

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

Date of O&M: 8/31/2012

Performed by: P. Theroux

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

Date of last Methane Sensor Filter Replacement: 7/20/12

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

General Status of SSD System: online and operational

General Status of Methane Monitoring System: online and operational

Eng. Cap/Fence Inspection Performed/Notes: Observed in good condition. Remedial activities on adjacent property to the west appears to be starting soon.

Monitoring/ Sampling Location	Sub-slab or gauge vacuum	Air Velocity (fpm)	VOC Monitoring	Methane Monitoring			Air/Vapor Sample Collection						Comments/Notes (Ambient weather conditions, status of HVAC, possible monitoring/sampling interferences, etc continue on separate sheet if needed)
			PID (ppb)	Indoor Sensor (ppm)	(% Gas)	(% LEL)*	Summa Can ID	Controller ID	Start Time	Start Vac (inches Hg)	End Time	End Vac (inches Hg)	
Gymnasium	NA	NA	0	0	0	0	--	--	--	--	--	--	
Cafeteria	NA	NA	0	0	0	0	--	--	--	--	--	--	
Kitchen Storage Room	NA	NA	0	0	0	0	--	--	--	--	--	--	
Elevator Hallway	NA	NA	0	0	0	0	--	--	--	--	--	--	
Room 145	NA	NA	8	0	0	0	--	--	--	--	--	--	
Room 152	NA	NA	0	0	0	0	--	--	--	--	--	--	
Room 118	NA	NA	0	0	0	0	--	--	--	--	--	--	
Room 110	NA	NA	0	0	0	0	--	--	--	--	--	--	
MP-1	-0.03	NA	1015	NA	0	0	--	--	--	--	--	--	
MP-2	-0.14	NA	1644	NA	0	0	--	--	--	--	--	--	
MP-3	-0.10	NA	1465	NA	0	0	--	--	--	--	--	--	
MP-4	-0.06	NA	55.2 ppm	NA	0	0	--	--	--	--	--	--	
MP-5	-0.10	NA	1803	NA	0	0	--	--	--	--	--	--	
MP-6	-0.10	NA	3032	NA	0	0	--	--	--	--	--	--	
MP-7	-0.04	NA	2262	NA	0	0	--	--	--	--	--	--	
MP-8	-0.11	NA	12.0 ppm	NA	0	0	--	--	--	--	--	--	
IMP-1	-0.03	NA	3213	NA	0	0	--	--	--	--	--	--	
IMP-2	-0.02	NA	8767	NA	0	0	--	--	--	--	--	--	
IMP-3	-0.01	NA	1873	NA	0	0	--	--	--	--	--	--	
Roof-Top Fan 1	-2.1	3014	895	NA	0	0	--	--	--	--	--	--	
Roof-Top Fan 2	-2.0	2177	1472	NA	0	0	--	--	--	--	--	--	
Roof-Top Fan 3	-2.3	2188	3190	NA	0	0	1147	5007	0840	-27	grab	-9	
Ambient Outdoor Air	NA	NA	0	NA	0	0	--	--	--	--	--	--	

NA: not applicable.

NM: not monitored on this date.

NS : not sampled on this date.

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

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

Date of O&M: 7/20/2012

Performed by: P. Theroux

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

Date of last Methane Sensor Filter Replacement: 4/13/2012 - 7/20/12

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

General Status of SSD System: online and operational

General Status of Methane Monitoring System: online and operational

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

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	1670	4210	0857	-30	0926	-5	
Cafeteria	NA	NA	0	0	0	0	1509	4194	0858	-30	0927	-5	
Kitchen Storage Room	NA	NA	0	--	--	--	1057	4211	0859	-30	0928	0	
Elevator Hallway	NA	NA	0	0	0	0	1020	4206	0902	-30	0930	-5	
Room 145	NA	NA	0	0	0	0	1130	4202	0909	-30+	0939	-4	
Room 152	NA	NA	0	0	0	0	1785	4201	0915	-30+	0943	-5	floor recently cleaned/waxed
Room 118	NA	NA	0	0	0	0	1192	4203	0912	-30	0940	-4	
Room 110	NA	NA	0	0	0	0	1055	4204	0913	-30+	0941	-4	
MP-1	-0.10	NA	239	NA	0	0	1465	4205	1124	-30	1154	-3	
MP-2	-0.10	NA	472	NA	0	0	--	--	--	--	--	--	
MP-3	-0.09	NA	0	NA	0	0	1881	4197	1134	-30	1202	-6	
MP-4	-0.08	NA	46.9 ppm	NA	0	0	1846	4195	1158	-30	1228	-3	
MP-5	-0.14	NA	352	NA	0	0	--	--	--	--	--	--	
MP-6	-0.09	NA	1107	NA	0	0	1061	4208	1141	-29	1211	-1	
MP-7	-0.42	NA	508	NA	0	0	--	--	--	--	--	--	
MP-8	-0.15	NA	198	NA	0	0	--	--	--	--	--	--	
IMP-1	-0.04	NA	515	NA	0	0	1123	4196	1000	-30	1029	-4	
IMP-2	-0.03	NA	390	NA	0	0	1078	4198	1006	-30	1032	-6	
IMP-3	-0.01	NA	461	NA	0	0	--	--	--	--	--	--	
Roof-Top Fan 1	-2.0	2743	179	NA	--	--	1114	5009	1059	-24	--	-8	grab sample
Roof-Top Fan 2	-2.0	2095	201	NA	--	--	1237	5007	1054	-26	--	-8	grab sample
Roof-Top Fan 3	--	--	--	NA	--	--	--	--	--	--	--	--	unable to access due to additional lock
Ambient Outdoor Air	NA	NA	0	NA	0	0	--	--	--	--	--	--	

NA: not applicable.

NM: not monitored on this date.

NS : not sampled on this date.

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

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

Date of O&M: 6/28/2012

Performed by: P. Theroux

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

Date of last Methane Sensor Filter Replacement: 4/13/12

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

General Status of SSD System: online and operational

General Status of Methane Monitoring System: online and operational

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

Monitoring/ Sampling Location	Sub-slab or gauge vacuum	Air Velocity (fpm)	VOC Monitoring	Methane Monitoring			Air/Vapor Sample Collection						Comments/Notes (Ambient weather conditions, status of HVAC, possible monitoring/sampling interferences, etc continue on separate sheet if needed)
			PID (ppb)	Indoor Sensor (ppm)	(% Gas)	(% LEL)*	Summa Can ID	Controller ID	Start Time	Start Vac (inches Hg)	End Time	End Vac (inches Hg)	
Gymnasium	NA	NA	0	0	0	0	--	--	--	--	--	--	
Cafeteria	NA	NA	0	0	0	0	--	--	--	--	--	--	
Kitchen Storage Room	NA	NA	--	--	--	--	--	--	--	--	--	--	unable to access kitchen area
Elevator Hallway	NA	NA	0	0	0	0	--	--	--	--	--	--	
Room 145	NA	NA	8	0	0	0	--	--	--	--	--	--	
Room 152	NA	NA	0	0	0	0	--	--	--	--	--	--	
Room 118	NA	NA	0	0	0	0	--	--	--	--	--	--	
Room 110	NA	NA	0	0	0	0	--	--	--	--	--	--	
MP-1	0.06	NA	597	NA	0	0	--	--	--	--	--	--	
MP-2	0.11	NA	899	NA	0	0	--	--	--	--	--	--	
MP-3	0.09	NA	1268	NA	0	0	--	--	--	--	--	--	
MP-4	0.13	NA	62.7 ppm	NA	0	0	--	--	--	--	--	--	
MP-5	0.14	NA	93.7	NA	0	0	--	--	--	--	--	--	
MP-6	0.09	NA	1288	NA	0	0	--	--	--	--	--	--	
MP-7	0.17	NA	1703	NA	0	0	--	--	--	--	--	--	
MP-8	0.14	NA	1082	NA	0	0	--	--	--	--	--	--	
IMP-1	0.05	NA	1476	NA	0	0	--	--	--	--	--	--	
IMP-2	0.01	NA	3440	NA	0	0	--	--	--	--	--	--	
IMP-3	0.01	NA	955	NA	0	0	--	--	--	--	--	--	
Roof-Top Fan 1	--	--	--	NA	--	--	--	--	--	--	--	--	unable to access second floor due to refinishing floors
Roof-Top Fan 2	--	--	--	NA	--	--	--	--	--	--	--	--	unable to access second floor due to refinishing floors
Roof-Top Fan 3	--	--	--	NA	--	--	--	--	--	--	--	--	unable to access kitchen area
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

Table 1: Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2012

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/Interim RIDEM-Approved Action Level	Kitchen Storage Rm		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Cntr (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor					
				Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		
Tetrahydroethene*	8-Feb-08		0.140		0.140		0.140		0.150		0.140		0.140		0.140		0.140		0.140						0.350			
	27-Mar-08 ²		12.500		6.680		13.300		16.100		26.000		7.730		23.300		4.310		4.310						0.153			
	25-Apr-08		0.180		0.254		0.179		0.282		0.231		0.276		0.228		0.298		0.298						0.136	U		
	Toluene	29-May-08		0.930		0.790		1.630		1.330		0.870		1.060		1.020		0.670		0.670						0.320		
		27-Jun-08		3.870		3.060		3.200		3.850		4.110		3.840		4.520		3.020		3.020						2.410		
		31-Jul-08		2.760		2.020		2.690		1.990		2.720		2.200		1.680		1.440		1.440						1.850		
		1,1,1-Trichloroethane*	8-Feb-08		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U					0.110	U
			27-Mar-08		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U					0.109	U
			25-Apr-08		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U					0.109	U

**Table 1: Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2012**

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/Interim RIDEM-Approved Action Level	Kitchen Storage Rm	Cafeteria		Gymnasium		Elevator Hallway		Room 118	Room 110	Media Cntr (Rm 145)	Room 152	Room 149	Room 234	Ambient Outdoor			
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	
1,2,4-Trimethylbenzene	8-Feb-08		0.900		0.970		2.520		1.890		0.210		0.210		0.310		0.210		
	27-Mar-08		1.330		1.590		3.390		3.240		0.920		0.828		0.989		0.098	U	
	25-Apr-08		0.998		1.760		11.700		1.640		0.909		0.839		0.911		0.098	U	
	29-May-08		0.300		0.470		8.320		6.680		0.270		0.690		0.110		0.100	U	
	27-Jun-08		1.560		0.443		2.120		3.040		0.634		0.722		0.206		0.175		
	31-Jul-08		1.650		1.360		1.380		2.080		0.959		0.207		0.142		0.157		
	28-Aug-08		0.438		1.430		3.690		5.340		0.642		0.455		0.464		0.354		
	30-Sep-08		2.500	U	2.500	U	2.500	U	2.000		6.800		2.500	U	9.300		2.500	U	
	27-Oct-08		2.500	U	2.500	U	2.500	U	3.500		2.500		2.500	U	2.500		2.500	U	
	25-Nov-08		2.500	U	2.500	U	2.500	U	2.500		2.500	U	2.500	U	2.500		2.500	U	
	18-Dec-08		2.500	U	2.500	U	2.500	U	2.500		2.500	U	2.500	U	2.500		2.500	U	
	21-Jan-09		2.500	U	2.500	U	2.500	U	2.500		2.500	U	2.500	U	2.500		2.500	U	
	25-Feb-09		2.500	U	2.500	U	3.900		NS		2.500	U	2.500	U	2.500		2.500	U	
	26-Mar-09		0.942		0.859		1.500		1.300		0.526		0.563		0.737		0.564		
	29-Apr-09		1.520		0.368		1.340		1.200		0.192		0.108		0.098		0.142		
	22-Jul-09		1.010		0.216		1.140		0.339		0.594		0.889		0.673		0.894		
	9-Oct-09	9.3	1.240		1.080		1.250		1.460		0.712		0.796		0.717		0.069		
	15-Jan-09		0.609		0.550		0.452		0.521		0.206		0.216		0.196		0.196		
	21-Apr-10		0.393		0.845		4.590		0.643		0.570		0.545		0.476		0.098	U	
	16-Jul-10		0.354		0.216		0.388		0.344		0.250		0.138		0.187		0.108		
	15-Oct-10		0.319		0.408		0.329		0.211		0.098	U	0.319	U	0.098		0.098	U	
	30-Nov-10		NS		0.334		0.560		NS		NS		NS		NS		NS		
	26-Jan-11		1.010		1.120		1.100		1.200		0.780		0.917		1.030		0.994		
	26-Jan-11**		NS		1.900		2.100		NS		NS		2.000		NS		NS		
	27-Apr-11		0.138		0.280		2.080		0.255		0.147		0.113		0.113		0.128		
	26-Jul-11		0.575		2.160		1.120		0.285		0.236		0.157		0.177		0.123		
	28-Oct-11		0.340		0.220		0.300		0.290		0.230		0.310		0.330		0.098	U	
	23-Jan-12		0.660		0.580		0.580		0.710		0.380		1.000		0.650		0.470		
	13-Apr-12		0.400		0.410		0.760		0.480		0.340		0.340		0.360		0.240		
	2-Jul-12 resample		NS		NS		NS		NS		NS		NS		NS		0.150	U	
	20-Jun-12		0.560		1.200		0.910		0.680		0.600		0.470		0.610		0.310		
	1,3,5-Trimethylbenzene	8-Feb-08		0.460		0.450		1.300		0.980		0.100	U	0.100	U	0.100		0.100	U
		27-Mar-08		0.535		0.652		1.620		1.530		0.292		0.438		0.256		0.334	
		25-Apr-08		0.367		0.816		7.170		0.802		0.342		0.293		0.375		0.098	U
		29-May-08		0.170		0.220		4.710		4.050		0.140		0.640		0.470		0.100	U
		27-Jun-08		0.942		0.232		1.100		1.580		0.385		0.102		0.387		0.098	U
31-Jul-08			1.040		0.782		0.671		1.360		0.570		1.190		0.098	U	0.098	U	
28-Aug-08			0.170		0.732		1.950		2.990		0.270		0.181		0.155		0.100		
30-Sep-08			2.500	U	2.500	U	2.500	U	2.500		2.500	U	2.500	U	9.300		2.500	U	
27-Oct-08			2.500	U	2.500	U	2.500	U	2.500		2.500	U	2.500	U	2.500		2.500	U	
25-Nov-08			2.500	U	2.500	U	2.500	U	2.500		2.500	U	2.500	U	2.500		2.500	U	
18-Dec-08			2.500	U	2.500	U	2.500	U	2.500		2.500	U	2.500	U	2.500		2.500	U	
21-Jan-09			2.500	U	2.500	U	2.500	U	2.500		2.500	U	2.500	U	2.500		2.500	U	
25-Feb-09			2.500	U	2.500	U	2.500	U	NS		2.500	U	2.500	U	2.500		2.500	U	
26-Mar-09			0.330		0.315		0.678		0.540		0.194		0.185		0.246		0.198		
29-Apr-09			0.098	U	0.192		0.678		0.629		0.098		0.098	U	0.098		0.098	U	
22-Jul-09			0.378		0.098		0.427		0.138		0.246		0.270		0.295		0.241		
9-Oct-09		9.3	0.550		0.452		0.476		0.599		0.255		0.265		0.221		0.226		
15-Jan-10			0.265		0.260		0.192		0.206		0.098	U	0.098	U	0.098		0.098	U	
21-Apr-10			0.118		0.368		2.100		2.600		0.206		0.187		0.162		0.098	U	
16-Jul-10			0.113		0.098	U	0.138		0.118		0.098	U	0.147		0.098		0.098	U	
15-Oct-10			0.128		0.172		0.123		0.098		0.098	U	0.098	U	0.098		0.098	U	
30-Nov-10			NS		0.133		0.177		NS		NS		0.098	U	NS		NS		
26-Jan-11			0.293		0.326		0.360		0.410		0.260		0.267		0.292		0.302		
26-Jan-11**			NS		0.590		0.700		NS		NS		0.630		NS		NS		
27-Apr-11			0.098	U	0.128		0.820		0.113		0.098	U	0.098	U	0.098		0.098	U	
26-Jul-11			0.206		0.737		0.393		0.108		0.098	U	0.098	U	0.098		0.098	U	
28-Oct-11			0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150	U	0.150		0.098	U	
23-Jan-12			0.220		0.170	U	0.200		0.230		0.170	U	0.220		0.180		0.170	U	
13-Apr-12			0.150	U	0.150	U	0.270		0.170		0.150	U	0.150	U	0.150		0.270		
2-Jul-12 resample			NS		NS		NS		NS		NS		NS		NS		0.150	U	
20-Jun-12			0.180		0.450		0.340		0.250		0.220		0.150		0.200		0.110		
Vinyl chloride*		8-Feb-08		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050		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		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		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		0.050	U
		27-Jun-08		0.050	U	0.050	U	0.050	U	0.051	U	0.050	U	0.051	U	0.050		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		0.051	U	
	28-Aug-08		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051		0.051	U	
	30-Sep-08		0.100	U	0.100	U	0.130	U	0.100	U	0.100	U	0.100	U	0.100		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		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		0.100	U	
	18-Dec-08		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100		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		0.100	U	
	25-Feb-09		0.100	U	0.100	U	0.100	U	NS		0.100	U	0.100	U	0.100		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		0.051	U	
	29-Apr-09		0.051	U	0.051														

**Table 1: Summary of Indoor and Ambient Outdoor Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2012**

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/Interim RIDEM-Approved Action Level	Kitchen Storage Rm		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Cntr (Rm 145)		Room 152		Room 149		Room 234		Ambient Outdoor		
			Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual	Qual
p/m-Xylene	8-Feb-08		0.710		0.660		2.110		1.460		0.550		0.450		0.390		0.420							0.580	
	27-Mar-08		2.460		2.080		3.510		2.960		2.620		2.890		1.810		1.910							0.269	
	25-Apr-08		2.220		1.870		8.240		2.170		1.960		2.080		2.150		1.850							0.205	
	29-May-08		0.350		0.290		5.110		2.260		0.290		0.410		0.340		0.250							0.170	U
	27-Jun-08		1.060		1.080		3.280		3.000		1.250		0.994		2.160		0.926							0.795	
	31-Jul-08		1.360		1.160		3.330		1.140		1.140		1.370		0.656		0.488							0.656	
	28-Aug-08		2.130		3.220		8.690		8.200		1.910		2.190		2.280		1.960							2.240	
	30-Sep-08		4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	22.000							4.300	U
	27-Oct-08		4.300	U	4.300	U	4.300	U	5.000	U	4.300	U	4.300	U	4.300	U	4.300	U						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		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		2.850		4.530		4.340		1.580		1.990		2.340		1.870							2.310	
	29-Apr-09		0.456		0.733		0.534		1.950		0.477		0.308		0.312		0.347							0.442	
	22-Jul-09	220.0	0.920		0.577		2.680		0.824		1.560		2.070		2.510		1.720							3.510	
	9-Oct-09		2.610		2.240		3.360		3.190		2.200		2.090		1.960		1.910							2.290	
	15-Jan-10		1.080		0.915		1.040		0.946		0.724		0.603		0.672		0.607							0.672	
	21-Apr-10		1.200		2.000		4.380		1.610		1.800		1.670		1.430		1.350							0.174	U
	16-Jul-10		0.868		0.568		1.290		1.120		1.290		0.729		1.890		0.694							0.330	
	15-Oct-10		0.642		0.972		1.340		0.408		0.299		0.174		0.468		0.174				U			0.317	
	30-Nov-10		NS		0.620		1.000		NS		NS		NS		0.230		NS							NS	
	26-Jan-11		2.810		2.600		2.910		3.320		2.590		2.790		2.540		3.450							3.480	
	26-Jan-11**		NS		4.300		5.100		NS		NS		NS		4.900		NS							NS	
	27-Apr-11		0.295		0.412		2.030		0.642		3.020		0.260		0.412		0.191							0.256	
	26-Jul-11		1.240		3.650		2.630		3.670		0.799		0.816		0.864		0.486							0.404	
	28-Oct-11		2.400		1.100		1.400		0.750		1.300		1.700		1.900		1.500							0.480	
	23-Jan-12		1.600		1.300		1.300		1.500		1.300		1.400		1.400		1.500							1.500	
	13-Apr-12		0.810		0.690		0.810		0.660		0.670		0.740		0.640		0.520							0.350	U
	2-Jul-12 resample		NS		NS		NS		NS		NS		NS		NS		NS							0.260	U
	20-Jun-12		1.200		1.300		1.200		1.400		1.300		1.200		1.400		1.400							0.770	
o-Xylene	8-Feb-08		0.280		0.270		0.870		0.610		0.210		0.170		0.150		0.160							0.200	
	27-Mar-08		0.762		0.718		1.340		1.120		0.920		1.060		0.640		0.668							0.087	U
	25-Apr-08		0.824		0.724		3.480		0.821		0.750		0.770		0.786		0.680							0.087	U
	29-May-08		0.130		0.120		2.080		1.000		0.110		0.180		0.150		0.090							0.090	U
	27-Jun-08		0.463		0.393		1.030		1.030		0.485		0.358		0.833		0.339							0.332	
	31-Jul-08		0.476		0.375		0.822		0.371		0.420		0.583		0.240		0.207							0.246	
	28-Aug-08		0.779		1.020		2.210		2.160		0.683		0.787		0.812		0.702							0.832	
	30-Sep-08		2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.600							2.200	U
	27-Oct-08		2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200							2.200	U
	25-Nov-08		2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200							2.200	U
	18-Dec-08		2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200							2.200	U
	21-Jan-09		2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200							2.200	U
	25-Feb-09		2.200	U	2.200	U	2.600		NS		2.200	U	2.200	U	2.200	U	2.200							2.200	U
	26-Mar-09		1.080		0.798		1.090		1.020		0.551		0.718		0.824		0.651							0.826	
	29-Apr-09		0.143		0.186		0.085		0.442		0.165		0.100		0.104		0.108							0.156	
	22-Jul-09		0.347		0.195		0.690		0.247		0.555		0.742		0.911		0.590							1.240	
	9-Oct-09		0.850		0.724		0.954		0.920		0.764		0.764		0.720		0.698							0.759	
	15-Jan-10		0.404		0.321		0.356		0.338		0.273		0.230		0.256		0.230							0.273	
	21-Apr-10		0.425		0.686		1.260		0.577		0.629		0.603		0.564		0.482							0.087	U
	16-Jul-10		0.273		0.186		0.312		0.304		0.503		0.200		0.703		0.230							0.126	
	15-Oct-10		0.186		0.265		0.347		0.130		0.139	U	0.087		2.000		0.087				U			0.104	
	30-Nov-10		NS		0.226		0.325		NS		NS		NS		0.091		NS							NS	
	26-Jan-11		1.000		0.981		1.020		1.150		0.948		1.030		0.922		1.270							1.280	
26-Jan-11**		NS		1.600		1.900		NS		NS		NS		1.900		NS							NS		
27-Apr-11		0.133		0.134		0.616		0.208		0.824		0.091		0.152		0.080							0.095		
26-Jul-11		0.439		1.520		0.643		2.210		0.295		0.395		0.308		0.165							0.139		
28-Oct-11		0.810		0.360		0.440		0.260		0.450		0.550		0.660		0.470							0.180		
23-Jan-12		0.630		0.520		0.530		0.620		0.530		0.580		0.580		0.600							0.590		
13-Apr-12		0.320		0.270		0.320		0.270		0.280		0.300		0.270		0.220							0.200		
2-Jul-12 resample		NS	</																						

August 1, 2012

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

Project Location: Alvarez High School, Providence, RI
Client Job Number:
Project Number: 14687.01
Laboratory Work Order Number: 12G0738

Enclosed are results of analyses for samples received by the laboratory on July 23, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lisa A. Worthington
Project Manager

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

REPORT DATE: 8/1/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 14687.01

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12G0738

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

PROJECT LOCATION: Alvarez High School, Providence, RI

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Gymnasium	12G0738-01	Ambient Air		EPA TO-15	
Cafeteria	12G0738-02	Ambient Air		EPA TO-15	
Kitchen Storage	12G0738-03	Ambient Air		EPA TO-15	
Elevator Hallway	12G0738-04	Ambient Air		EPA TO-15	
Rm 145	12G0738-05	Ambient Air		EPA TO-15	
Rm 152	12G0738-06	Ambient Air		EPA TO-15	
Rm 118	12G0738-07	Ambient Air		EPA TO-15	
Rm 110	12G0738-08	Ambient Air		EPA TO-15	
Ambient	12G0738-09	Ambient Air		EPA TO-15	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

EPA TO-15

Qualifications:

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

Analyte & Samples(s) Qualified:

Acrylonitrile
B056099-BS1

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Acrylonitrile
B056099-BS1

EPA TO-15

Initial and continuing calibrations met all required performance standards for RCP compounds that are Title III Clean Air Act Amendment compounds listed in table 1 of the TO-15 method unless otherwise specified in this narrative.

Laboratory control sample recoveries and sample replicate RPDs were all within limits specified by the method for RCP compounds that are Title III Clean Air Act Amendment compounds listed in table 1 of the TO-15 method unless otherwise specified in this narrative. Recovery limits of 50-150% are used for propene, acetone, ethanol, isopropanol, ethyl acetate, tetrahydrofuran, cyclohexane, heptane, 2-hexanone, 4-ethyltoluene, n-butylbenzene, sec-butylbenzene, 4-isopropyltoluene, and 1,1,1,2-tetrachloroethane.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Michael A. Erickson
Laboratory Director

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: Gymnasium
Sample ID: 12G0738-01
 Sample Matrix: Ambient Air
 Sampled: 7/20/2012 09:26

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1670
 Canister Size: 6 liter
 Flow Controller ID: 4210
 Sample Type: 30 min

Work Order: 12G0738
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -5
 Receipt Vacuum(in Hg): -4.5
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	7.2	0.80		17	1.9	0.4	7/25/12 17:21	WSD	
Acrylonitrile	ND	0.12		ND	0.25	0.4	7/25/12 17:21	WSD	
Benzene	0.13	0.020		0.41	0.064	0.4	7/25/12 17:21	WSD	
Bromodichloromethane	ND	0.020		ND	0.13	0.4	7/25/12 17:21	WSD	
Bromoform	ND	0.020		ND	0.21	0.4	7/25/12 17:21	WSD	
2-Butanone (MEK)	1.1	0.80		3.3	2.4	0.4	7/25/12 17:21	WSD	
n-Butylbenzene	ND	0.058		ND	0.32	0.4	7/25/12 17:21	WSD	
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	7/25/12 17:21	WSD	
Carbon Tetrachloride	0.083	0.020		0.52	0.13	0.4	7/25/12 17:21	WSD	
Chlorobenzene	ND	0.020		ND	0.092	0.4	7/25/12 17:21	WSD	
Chloroethane	ND	0.020		ND	0.053	0.4	7/25/12 17:21	WSD	
Chloroform	0.028	0.020		0.14	0.098	0.4	7/25/12 17:21	WSD	
Chloromethane	ND	0.020		ND	0.041	0.4	7/25/12 17:21	WSD	
Dibromochloromethane	ND	0.020		ND	0.17	0.4	7/25/12 17:21	WSD	
1,2-Dibromoethane (EDB)	ND	0.020		ND	0.15	0.4	7/25/12 17:21	WSD	
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	7/25/12 17:21	WSD	
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	7/25/12 17:21	WSD	
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	7/25/12 17:21	WSD	
Dichlorodifluoromethane (Freon 12)	0.50	0.020		2.5	0.099	0.4	7/25/12 17:21	WSD	
1,1-Dichloroethane	ND	0.020		ND	0.081	0.4	7/25/12 17:21	WSD	
1,2-Dichloroethane	ND	0.020		ND	0.081	0.4	7/25/12 17:21	WSD	
1,1-Dichloroethylene	ND	0.020		ND	0.079	0.4	7/25/12 17:21	WSD	
cis-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	7/25/12 17:21	WSD	
trans-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	7/25/12 17:21	WSD	
1,2-Dichloropropane	ND	0.020		ND	0.092	0.4	7/25/12 17:21	WSD	
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	7/25/12 17:21	WSD	
cis-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	7/25/12 17:21	WSD	
trans-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	7/25/12 17:21	WSD	
Ethylbenzene	0.11	0.020		0.49	0.087	0.4	7/25/12 17:21	WSD	
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	7/25/12 17:21	WSD	
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	7/25/12 17:21	WSD	
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	7/25/12 17:21	WSD	
Methylene Chloride	0.25	0.20		0.88	0.69	0.4	7/25/12 17:21	WSD	
4-Methyl-2-pentanone (MIBK)	0.11	0.020		0.46	0.082	0.4	7/25/12 17:21	WSD	
Styrene	0.056	0.020		0.24	0.085	0.4	7/25/12 17:21	WSD	
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	7/25/12 17:21	WSD	
1,1,2,2-Tetrachloroethane	ND	0.020		ND	0.14	0.4	7/25/12 17:21	WSD	

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: Gymnasium
Sample ID: 12G0738-01
 Sample Matrix: Ambient Air
 Sampled: 7/20/2012 09:26

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1670
 Canister Size: 6 liter
 Flow Controller ID: 4210
 Sample Type: 30 min

Work Order: 12G0738
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -5
 Receipt Vacuum(in Hg): -4.5
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	0.045	0.020		0.31	0.14	0.4	7/25/12 17:21		WSD
Toluene	0.48	0.020		1.8	0.075	0.4	7/25/12 17:21		WSD
1,1,1-Trichloroethane	ND	0.020		ND	0.11	0.4	7/25/12 17:21		WSD
1,1,2-Trichloroethane	ND	0.020		ND	0.11	0.4	7/25/12 17:21		WSD
Trichloroethylene	ND	0.020		ND	0.11	0.4	7/25/12 17:21		WSD
Trichlorofluoromethane (Freon 11)	0.22	0.020		1.3	0.11	0.4	7/25/12 17:21		WSD
1,2,4-Trimethylbenzene	0.19	0.020		0.91	0.098	0.4	7/25/12 17:21		WSD
1,3,5-Trimethylbenzene	0.070	0.020		0.34	0.098	0.4	7/25/12 17:21		WSD
Vinyl Chloride	ND	0.020		ND	0.051	0.4	7/25/12 17:21		WSD
m&p-Xylene	0.29	0.040		1.2	0.17	0.4	7/25/12 17:21		WSD
o-Xylene	0.098	0.020		0.43	0.087	0.4	7/25/12 17:21		WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	106	70-130	7/25/12 17:21
4-Bromofluorobenzene (2)	91.3	70-130	7/25/12 17:21

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: Cafeteria
Sample ID: 12G0738-02
 Sample Matrix: Ambient Air
 Sampled: 7/20/2012 09:27

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1509
 Canister Size: 6 liter
 Flow Controller ID: 4194
 Sample Type: 30 min

Work Order: 12G0738
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -5
 Receipt Vacuum(in Hg): -3.5
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time Analyzed	Analyst
	Results	RL		Results	RL			
Acetone	9.2	0.80		22	1.9	0.4	7/25/12 18:09	WSD
Acrylonitrile	ND	0.12		ND	0.25	0.4	7/25/12 18:09	WSD
Benzene	0.17	0.020		0.54	0.064	0.4	7/25/12 18:09	WSD
Bromodichloromethane	ND	0.020		ND	0.13	0.4	7/25/12 18:09	WSD
Bromoform	ND	0.020		ND	0.21	0.4	7/25/12 18:09	WSD
2-Butanone (MEK)	ND	0.80		ND	2.4	0.4	7/25/12 18:09	WSD
n-Butylbenzene	ND	0.058		ND	0.32	0.4	7/25/12 18:09	WSD
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	7/25/12 18:09	WSD
Carbon Tetrachloride	0.097	0.020		0.61	0.13	0.4	7/25/12 18:09	WSD
Chlorobenzene	ND	0.020		ND	0.092	0.4	7/25/12 18:09	WSD
Chloroethane	0.055	0.020		0.15	0.053	0.4	7/25/12 18:09	WSD
Chloroform	0.11	0.020		0.52	0.098	0.4	7/25/12 18:09	WSD
Chloromethane	ND	0.020		ND	0.041	0.4	7/25/12 18:09	WSD
Dibromochloromethane	ND	0.020		ND	0.17	0.4	7/25/12 18:09	WSD
1,2-Dibromoethane (EDB)	ND	0.020		ND	0.15	0.4	7/25/12 18:09	WSD
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	7/25/12 18:09	WSD
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	7/25/12 18:09	WSD
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	7/25/12 18:09	WSD
Dichlorodifluoromethane (Freon 12)	0.52	0.020		2.6	0.099	0.4	7/25/12 18:09	WSD
1,1-Dichloroethane	ND	0.020		ND	0.081	0.4	7/25/12 18:09	WSD
1,2-Dichloroethane	ND	0.020		ND	0.081	0.4	7/25/12 18:09	WSD
1,1-Dichloroethylene	ND	0.020		ND	0.079	0.4	7/25/12 18:09	WSD
cis-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	7/25/12 18:09	WSD
trans-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	7/25/12 18:09	WSD
1,2-Dichloropropane	ND	0.020		ND	0.092	0.4	7/25/12 18:09	WSD
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	7/25/12 18:09	WSD
cis-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	7/25/12 18:09	WSD
trans-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	7/25/12 18:09	WSD
Ethylbenzene	0.12	0.020		0.50	0.087	0.4	7/25/12 18:09	WSD
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	7/25/12 18:09	WSD
p-Isopropyltoluene (p-Cymene)	0.36	0.046		2.0	0.25	0.4	7/25/12 18:09	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	7/25/12 18:09	WSD
Methylene Chloride	0.45	0.20		1.6	0.69	0.4	7/25/12 18:09	WSD
4-Methyl-2-pentanone (MIBK)	ND	0.020		ND	0.082	0.4	7/25/12 18:09	WSD
Styrene	0.070	0.020		0.30	0.085	0.4	7/25/12 18:09	WSD
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	7/25/12 18:09	WSD
1,1,2,2-Tetrachloroethane	ND	0.020		ND	0.14	0.4	7/25/12 18:09	WSD

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: Cafeteria
Sample ID: 12G0738-02
 Sample Matrix: Ambient Air
 Sampled: 7/20/2012 09:27

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1509
 Canister Size: 6 liter
 Flow Controller ID: 4194
 Sample Type: 30 min

Work Order: 12G0738
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -5
 Receipt Vacuum(in Hg): -3.5
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	0.12	0.020		0.80	0.14	0.4	7/25/12 18:09		WSD
Toluene	0.67	0.020		2.5	0.075	0.4	7/25/12 18:09		WSD
1,1,1-Trichloroethane	ND	0.020		ND	0.11	0.4	7/25/12 18:09		WSD
1,1,2-Trichloroethane	ND	0.020		ND	0.11	0.4	7/25/12 18:09		WSD
Trichloroethylene	ND	0.020		ND	0.11	0.4	7/25/12 18:09		WSD
Trichlorofluoromethane (Freon 11)	0.24	0.020		1.4	0.11	0.4	7/25/12 18:09		WSD
1,2,4-Trimethylbenzene	0.25	0.020		1.2	0.098	0.4	7/25/12 18:09		WSD
1,3,5-Trimethylbenzene	0.092	0.020		0.45	0.098	0.4	7/25/12 18:09		WSD
Vinyl Chloride	ND	0.020		ND	0.051	0.4	7/25/12 18:09		WSD
m&p-Xylene	0.31	0.040		1.3	0.17	0.4	7/25/12 18:09		WSD
o-Xylene	0.13	0.020		0.56	0.087	0.4	7/25/12 18:09		WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	115	70-130	7/25/12 18:09
4-Bromofluorobenzene (2)	97.4	70-130	7/25/12 18:09

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: Kitchen Storage
Sample ID: 12G0738-03
 Sample Matrix: Ambient Air
 Sampled: 7/20/2012 09:28

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1057
 Canister Size: 6 liter
 Flow Controller ID: 4211
 Sample Type: 30 min

Work Order: 12G0738
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): 0
 Receipt Vacuum(in Hg): -1.5
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analized		
Acetone	8.2	0.80		19	1.9	0.4	7/25/12 18:56	WSD	
Acrylonitrile	ND	0.12		ND	0.25	0.4	7/25/12 18:56	WSD	
Benzene	0.15	0.020		0.49	0.064	0.4	7/25/12 18:56	WSD	
Bromodichloromethane	ND	0.020		ND	0.13	0.4	7/25/12 18:56	WSD	
Bromoform	ND	0.020		ND	0.21	0.4	7/25/12 18:56	WSD	
2-Butanone (MEK)	0.89	0.80		2.6	2.4	0.4	7/25/12 18:56	WSD	
n-Butylbenzene	ND	0.058		ND	0.32	0.4	7/25/12 18:56	WSD	
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	7/25/12 18:56	WSD	
Carbon Tetrachloride	0.089	0.020		0.56	0.13	0.4	7/25/12 18:56	WSD	
Chlorobenzene	ND	0.020		ND	0.092	0.4	7/25/12 18:56	WSD	
Chloroethane	0.027	0.020		0.072	0.053	0.4	7/25/12 18:56	WSD	
Chloroform	0.042	0.020		0.21	0.098	0.4	7/25/12 18:56	WSD	
Chloromethane	0.84	0.020		1.7	0.041	0.4	7/25/12 18:56	WSD	
Dibromochloromethane	ND	0.020		ND	0.17	0.4	7/25/12 18:56	WSD	
1,2-Dibromoethane (EDB)	ND	0.020		ND	0.15	0.4	7/25/12 18:56	WSD	
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	7/25/12 18:56	WSD	
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	7/25/12 18:56	WSD	
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	7/25/12 18:56	WSD	
Dichlorodifluoromethane (Freon 12)	0.50	0.020		2.5	0.099	0.4	7/25/12 18:56	WSD	
1,1-Dichloroethane	ND	0.020		ND	0.081	0.4	7/25/12 18:56	WSD	
1,2-Dichloroethane	ND	0.020		ND	0.081	0.4	7/25/12 18:56	WSD	
1,1-Dichloroethylene	ND	0.020		ND	0.079	0.4	7/25/12 18:56	WSD	
cis-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	7/25/12 18:56	WSD	
trans-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	7/25/12 18:56	WSD	
1,2-Dichloropropane	ND	0.020		ND	0.092	0.4	7/25/12 18:56	WSD	
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	7/25/12 18:56	WSD	
cis-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	7/25/12 18:56	WSD	
trans-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	7/25/12 18:56	WSD	
Ethylbenzene	0.11	0.020		0.49	0.087	0.4	7/25/12 18:56	WSD	
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	7/25/12 18:56	WSD	
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	7/25/12 18:56	WSD	
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	7/25/12 18:56	WSD	
Methylene Chloride	0.26	0.20		0.92	0.69	0.4	7/25/12 18:56	WSD	
4-Methyl-2-pentanone (MIBK)	0.057	0.020		0.23	0.082	0.4	7/25/12 18:56	WSD	
Styrene	0.17	0.020		0.72	0.085	0.4	7/25/12 18:56	WSD	
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	7/25/12 18:56	WSD	
1,1,2,2-Tetrachloroethane	ND	0.020		ND	0.14	0.4	7/25/12 18:56	WSD	

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: Kitchen Storage
Sample ID: 12G0738-03
 Sample Matrix: Ambient Air
 Sampled: 7/20/2012 09:28

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1057
 Canister Size: 6 liter
 Flow Controller ID: 4211
 Sample Type: 30 min

Work Order: 12G0738
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): 0
 Receipt Vacuum(in Hg): -1.5
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	0.058	0.020		0.39	0.14	0.4	7/25/12 18:56		WSD
Toluene	0.59	0.020		2.2	0.075	0.4	7/25/12 18:56		WSD
1,1,1-Trichloroethane	ND	0.020		ND	0.11	0.4	7/25/12 18:56		WSD
1,1,2-Trichloroethane	ND	0.020		ND	0.11	0.4	7/25/12 18:56		WSD
Trichloroethylene	ND	0.020		ND	0.11	0.4	7/25/12 18:56		WSD
Trichlorofluoromethane (Freon 11)	0.22	0.020		1.2	0.11	0.4	7/25/12 18:56		WSD
1,2,4-Trimethylbenzene	0.11	0.020		0.56	0.098	0.4	7/25/12 18:56		WSD
1,3,5-Trimethylbenzene	0.036	0.020		0.18	0.098	0.4	7/25/12 18:56		WSD
Vinyl Chloride	ND	0.020		ND	0.051	0.4	7/25/12 18:56		WSD
m&p-Xylene	0.28	0.040		1.2	0.17	0.4	7/25/12 18:56		WSD
o-Xylene	0.11	0.020		0.47	0.087	0.4	7/25/12 18:56		WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	119	70-130	7/25/12 18:56
4-Bromofluorobenzene (2)	101	70-130	7/25/12 18:56

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: Elevator Hallway
Sample ID: 12G0738-04
 Sample Matrix: Ambient Air
 Sampled: 7/20/2012 09:30

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1020
 Canister Size: 6 liter
 Flow Controller ID: 4206
 Sample Type: 30 min

Work Order: 12G0738
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -5
 Receipt Vacuum(in Hg): -5.2
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time Analyzed	Analyst
	Results	RL		Results	RL			
Acetone	9.0	0.80		21	1.9	0.4	7/25/12 19:45	WSD
Acrylonitrile	ND	0.12		ND	0.25	0.4	7/25/12 19:45	WSD
Benzene	0.16	0.020		0.51	0.064	0.4	7/25/12 19:45	WSD
Bromodichloromethane	ND	0.020		ND	0.13	0.4	7/25/12 19:45	WSD
Bromoform	ND	0.020		ND	0.21	0.4	7/25/12 19:45	WSD
2-Butanone (MEK)	0.91	0.80		2.7	2.4	0.4	7/25/12 19:45	WSD
n-Butylbenzene	ND	0.058		ND	0.32	0.4	7/25/12 19:45	WSD
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	7/25/12 19:45	WSD
Carbon Tetrachloride	0.084	0.020		0.53	0.13	0.4	7/25/12 19:45	WSD
Chlorobenzene	ND	0.020		ND	0.092	0.4	7/25/12 19:45	WSD
Chloroethane	ND	0.020		ND	0.053	0.4	7/25/12 19:45	WSD
Chloroform	0.046	0.020		0.22	0.098	0.4	7/25/12 19:45	WSD
Chloromethane	ND	0.020		ND	0.041	0.4	7/25/12 19:45	WSD
Dibromochloromethane	ND	0.020		ND	0.17	0.4	7/25/12 19:45	WSD
1,2-Dibromoethane (EDB)	ND	0.020		ND	0.15	0.4	7/25/12 19:45	WSD
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	7/25/12 19:45	WSD
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	7/25/12 19:45	WSD
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	7/25/12 19:45	WSD
Dichlorodifluoromethane (Freon 12)	0.49	0.020		2.4	0.099	0.4	7/25/12 19:45	WSD
1,1-Dichloroethane	ND	0.020		ND	0.081	0.4	7/25/12 19:45	WSD
1,2-Dichloroethane	ND	0.020		ND	0.081	0.4	7/25/12 19:45	WSD
1,1-Dichloroethylene	ND	0.020		ND	0.079	0.4	7/25/12 19:45	WSD
cis-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	7/25/12 19:45	WSD
trans-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	7/25/12 19:45	WSD
1,2-Dichloropropane	ND	0.020		ND	0.092	0.4	7/25/12 19:45	WSD
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	7/25/12 19:45	WSD
cis-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	7/25/12 19:45	WSD
trans-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	7/25/12 19:45	WSD
Ethylbenzene	0.13	0.020		0.56	0.087	0.4	7/25/12 19:45	WSD
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	7/25/12 19:45	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	7/25/12 19:45	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	7/25/12 19:45	WSD
Methylene Chloride	0.37	0.20		1.3	0.69	0.4	7/25/12 19:45	WSD
4-Methyl-2-pentanone (MIBK)	0.062	0.020		0.25	0.082	0.4	7/25/12 19:45	WSD
Styrene	0.29	0.020		1.2	0.085	0.4	7/25/12 19:45	WSD
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	7/25/12 19:45	WSD
1,1,2,2-Tetrachloroethane	ND	0.020		ND	0.14	0.4	7/25/12 19:45	WSD

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: Elevator Hallway
Sample ID: 12G0738-04
 Sample Matrix: Ambient Air
 Sampled: 7/20/2012 09:30

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1020
 Canister Size: 6 liter
 Flow Controller ID: 4206
 Sample Type: 30 min

Work Order: 12G0738
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -5
 Receipt Vacuum(in Hg): -5.2
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time Analyzed	Analyst
	Results	RL		Results	RL			
Tetrachloroethylene	0.054	0.020		0.37	0.14	0.4	7/25/12 19:45	WSD
Toluene	0.61	0.020		2.3	0.075	0.4	7/25/12 19:45	WSD
1,1,1-Trichloroethane	ND	0.020		ND	0.11	0.4	7/25/12 19:45	WSD
1,1,2-Trichloroethane	ND	0.020		ND	0.11	0.4	7/25/12 19:45	WSD
Trichloroethylene	ND	0.020		ND	0.11	0.4	7/25/12 19:45	WSD
Trichlorofluoromethane (Freon 11)	0.22	0.020		1.2	0.11	0.4	7/25/12 19:45	WSD
1,2,4-Trimethylbenzene	0.14	0.020		0.68	0.098	0.4	7/25/12 19:45	WSD
1,3,5-Trimethylbenzene	0.051	0.020		0.25	0.098	0.4	7/25/12 19:45	WSD
Vinyl Chloride	ND	0.020		ND	0.051	0.4	7/25/12 19:45	WSD
m&p-Xylene	0.31	0.040		1.4	0.17	0.4	7/25/12 19:45	WSD
o-Xylene	0.13	0.020		0.58	0.087	0.4	7/25/12 19:45	WSD

Surrogates	% Recovery	% REC Limits	Date/Time Analyzed
4-Bromofluorobenzene (1)	112	70-130	7/25/12 19:45
4-Bromofluorobenzene (2)	97.4	70-130	7/25/12 19:45

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: Rm 145
Sample ID: 12G0738-05
 Sample Matrix: Ambient Air
 Sampled: 7/20/2012 09:29

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1130
 Canister Size: 6 liter
 Flow Controller ID: 4202
 Sample Type: 30 min

Work Order: 12G0738
 Initial Vacuum(in Hg): +30
 Final Vacuum(in Hg): -4
 Receipt Vacuum(in Hg): -3.7
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time Analyzed	Analyst
	Results	RL		Results	RL			
Acetone	6.2	0.80		15	1.9	0.4	7/25/12 20:33	WSD
Acrylonitrile	ND	0.12		ND	0.25	0.4	7/25/12 20:33	WSD
Benzene	0.14	0.020		0.46	0.064	0.4	7/25/12 20:33	WSD
Bromodichloromethane	ND	0.020		ND	0.13	0.4	7/25/12 20:33	WSD
Bromoform	ND	0.020		ND	0.21	0.4	7/25/12 20:33	WSD
2-Butanone (MEK)	ND	0.80		ND	2.4	0.4	7/25/12 20:33	WSD
n-Butylbenzene	ND	0.058		ND	0.32	0.4	7/25/12 20:33	WSD
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	7/25/12 20:33	WSD
Carbon Tetrachloride	0.087	0.020		0.55	0.13	0.4	7/25/12 20:33	WSD
Chlorobenzene	ND	0.020		ND	0.092	0.4	7/25/12 20:33	WSD
Chloroethane	ND	0.020		ND	0.053	0.4	7/25/12 20:33	WSD
Chloroform	0.029	0.020		0.14	0.098	0.4	7/25/12 20:33	WSD
Chloromethane	0.70	0.020		1.5	0.041	0.4	7/25/12 20:33	WSD
Dibromochloromethane	ND	0.020		ND	0.17	0.4	7/25/12 20:33	WSD
1,2-Dibromoethane (EDB)	ND	0.020		ND	0.15	0.4	7/25/12 20:33	WSD
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	7/25/12 20:33	WSD
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	7/25/12 20:33	WSD
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	7/25/12 20:33	WSD
Dichlorodifluoromethane (Freon 12)	0.50	0.020		2.5	0.099	0.4	7/25/12 20:33	WSD
1,1-Dichloroethane	ND	0.020		ND	0.081	0.4	7/25/12 20:33	WSD
1,2-Dichloroethane	ND	0.020		ND	0.081	0.4	7/25/12 20:33	WSD
1,1-Dichloroethylene	ND	0.020		ND	0.079	0.4	7/25/12 20:33	WSD
cis-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	7/25/12 20:33	WSD
trans-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	7/25/12 20:33	WSD
1,2-Dichloropropane	ND	0.020		ND	0.092	0.4	7/25/12 20:33	WSD
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	7/25/12 20:33	WSD
cis-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	7/25/12 20:33	WSD
trans-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	7/25/12 20:33	WSD
Ethylbenzene	0.12	0.020		0.53	0.087	0.4	7/25/12 20:33	WSD
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	7/25/12 20:33	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	7/25/12 20:33	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	7/25/12 20:33	WSD
Methylene Chloride	0.30	0.20		1.1	0.69	0.4	7/25/12 20:33	WSD
4-Methyl-2-pentanone (MIBK)	0.046	0.020		0.19	0.082	0.4	7/25/12 20:33	WSD
Styrene	ND	0.020		ND	0.085	0.4	7/25/12 20:33	WSD
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	7/25/12 20:33	WSD
1,1,2,2-Tetrachloroethane	ND	0.020		ND	0.14	0.4	7/25/12 20:33	WSD

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: Rm 145
Sample ID: 12G0738-05
 Sample Matrix: Ambient Air
 Sampled: 7/20/2012 09:29

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1130
 Canister Size: 6 liter
 Flow Controller ID: 4202
 Sample Type: 30 min

Work Order: 12G0738
 Initial Vacuum(in Hg): +30
 Final Vacuum(in Hg): -4
 Receipt Vacuum(in Hg): -3.7
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time Analyzed	Analyst
	Results	RL		Results	RL			
Tetrachloroethylene	0.061	0.020		0.41	0.14	0.4	7/25/12 20:33	WSD
Toluene	0.59	0.020		2.2	0.075	0.4	7/25/12 20:33	WSD
1,1,1-Trichloroethane	ND	0.020		ND	0.11	0.4	7/25/12 20:33	WSD
1,1,2-Trichloroethane	ND	0.020		ND	0.11	0.4	7/25/12 20:33	WSD
Trichloroethylene	ND	0.020		ND	0.11	0.4	7/25/12 20:33	WSD
Trichlorofluoromethane (Freon 11)	0.24	0.020		1.4	0.11	0.4	7/25/12 20:33	WSD
1,2,4-Trimethylbenzene	0.11	0.020		0.56	0.098	0.4	7/25/12 20:33	WSD
1,3,5-Trimethylbenzene	0.028	0.020		0.14	0.098	0.4	7/25/12 20:33	WSD
Vinyl Chloride	ND	0.020		ND	0.051	0.4	7/25/12 20:33	WSD
m&p-Xylene	0.32	0.040		1.4	0.17	0.4	7/25/12 20:33	WSD
o-Xylene	0.12	0.020		0.53	0.087	0.4	7/25/12 20:33	WSD

Surrogates	% Recovery	% REC Limits	Date/Time Analyzed
4-Bromofluorobenzene (1)	118	70-130	7/25/12 20:33
4-Bromofluorobenzene (2)	103	70-130	7/25/12 20:33

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: Rm 152
Sample ID: 12G0738-06
 Sample Matrix: Ambient Air
 Sampled: 7/20/2012 09:43

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1785
 Canister Size: 6 liter
 Flow Controller ID: 4201
 Sample Type: 30 min

Work Order: 12G0738
 Initial Vacuum(in Hg): +30
 Final Vacuum(in Hg): -5
 Receipt Vacuum(in Hg): -4.9
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time Analyzed	Analyst
	Results	RL		Results	RL			
Acetone	9.3	0.80		22	1.9	0.4	7/25/12 21:22	WSD
Acrylonitrile	ND	0.12		ND	0.25	0.4	7/25/12 21:22	WSD
Benzene	0.17	0.020		0.54	0.064	0.4	7/25/12 21:22	WSD
Bromodichloromethane	ND	0.020		ND	0.13	0.4	7/25/12 21:22	WSD
Bromoform	ND	0.020		ND	0.21	0.4	7/25/12 21:22	WSD
2-Butanone (MEK)	ND	0.80		ND	2.4	0.4	7/25/12 21:22	WSD
n-Butylbenzene	ND	0.058		ND	0.32	0.4	7/25/12 21:22	WSD
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	7/25/12 21:22	WSD
Carbon Tetrachloride	0.091	0.020		0.57	0.13	0.4	7/25/12 21:22	WSD
Chlorobenzene	ND	0.020		ND	0.092	0.4	7/25/12 21:22	WSD
Chloroethane	ND	0.020		ND	0.053	0.4	7/25/12 21:22	WSD
Chloroform	0.12	0.020		0.58	0.098	0.4	7/25/12 21:22	WSD
Chloromethane	ND	0.020		ND	0.041	0.4	7/25/12 21:22	WSD
Dibromochloromethane	ND	0.020		ND	0.17	0.4	7/25/12 21:22	WSD
1,2-Dibromoethane (EDB)	ND	0.020		ND	0.15	0.4	7/25/12 21:22	WSD
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	7/25/12 21:22	WSD
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	7/25/12 21:22	WSD
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	7/25/12 21:22	WSD
Dichlorodifluoromethane (Freon 12)	0.51	0.020		2.5	0.099	0.4	7/25/12 21:22	WSD
1,1-Dichloroethane	ND	0.020		ND	0.081	0.4	7/25/12 21:22	WSD
1,2-Dichloroethane	ND	0.020		ND	0.081	0.4	7/25/12 21:22	WSD
1,1-Dichloroethylene	ND	0.020		ND	0.079	0.4	7/25/12 21:22	WSD
cis-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	7/25/12 21:22	WSD
trans-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	7/25/12 21:22	WSD
1,2-Dichloropropane	ND	0.020		ND	0.092	0.4	7/25/12 21:22	WSD
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	7/25/12 21:22	WSD
cis-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	7/25/12 21:22	WSD
trans-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	7/25/12 21:22	WSD
Ethylbenzene	0.12	0.020		0.53	0.087	0.4	7/25/12 21:22	WSD
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	7/25/12 21:22	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	7/25/12 21:22	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	7/25/12 21:22	WSD
Methylene Chloride	0.42	0.20		1.4	0.69	0.4	7/25/12 21:22	WSD
4-Methyl-2-pentanone (MIBK)	0.078	0.020		0.32	0.082	0.4	7/25/12 21:22	WSD
Styrene	0.047	0.020		0.20	0.085	0.4	7/25/12 21:22	WSD
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	7/25/12 21:22	WSD
1,1,2,2-Tetrachloroethane	ND	0.020		ND	0.14	0.4	7/25/12 21:22	WSD

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: Rm 152
Sample ID: 12G0738-06
 Sample Matrix: Ambient Air
 Sampled: 7/20/2012 09:43

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1785
 Canister Size: 6 liter
 Flow Controller ID: 4201
 Sample Type: 30 min

Work Order: 12G0738
 Initial Vacuum(in Hg): +30
 Final Vacuum(in Hg): -5
 Receipt Vacuum(in Hg): -4.9
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time Analyzed	Analyst
	Results	RL		Results	RL			
Tetrachloroethylene	0.066	0.020		0.44	0.14	0.4	7/25/12 21:22	WSD
Toluene	0.63	0.020		2.4	0.075	0.4	7/25/12 21:22	WSD
1,1,1-Trichloroethane	ND	0.020		ND	0.11	0.4	7/25/12 21:22	WSD
1,1,2-Trichloroethane	ND	0.020		ND	0.11	0.4	7/25/12 21:22	WSD
Trichloroethylene	ND	0.020		ND	0.11	0.4	7/25/12 21:22	WSD
Trichlorofluoromethane (Freon 11)	0.25	0.020		1.4	0.11	0.4	7/25/12 21:22	WSD
1,2,4-Trimethylbenzene	0.12	0.020		0.61	0.098	0.4	7/25/12 21:22	WSD
1,3,5-Trimethylbenzene	0.041	0.020		0.20	0.098	0.4	7/25/12 21:22	WSD
Vinyl Chloride	ND	0.020		ND	0.051	0.4	7/25/12 21:22	WSD
m&p-Xylene	0.31	0.040		1.4	0.17	0.4	7/25/12 21:22	WSD
o-Xylene	0.12	0.020		0.51	0.087	0.4	7/25/12 21:22	WSD

Surrogates	% Recovery	% REC Limits	Date/Time Analyzed
4-Bromofluorobenzene (1)	123	70-130	7/25/12 21:22
4-Bromofluorobenzene (2)	108	70-130	7/25/12 21:22

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: Rm 118
Sample ID: 12G0738-07
 Sample Matrix: Ambient Air
 Sampled: 7/20/2012 09:40

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1192
 Canister Size: 6 liter
 Flow Controller ID: 4203
 Sample Type: 30 min

Work Order: 12G0738
 Initial Vacuum(in Hg): +30
 Final Vacuum(in Hg): -4
 Receipt Vacuum(in Hg): -4.3
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time Analyzed	Analyst
	Results	RL		Results	RL			
Acetone	8.5	0.80		20	1.9	0.4	7/25/12 22:10	WSD
Acrylonitrile	ND	0.12		ND	0.25	0.4	7/25/12 22:10	WSD
Benzene	0.16	0.020		0.52	0.064	0.4	7/25/12 22:10	WSD
Bromodichloromethane	ND	0.020		ND	0.13	0.4	7/25/12 22:10	WSD
Bromoform	ND	0.020		ND	0.21	0.4	7/25/12 22:10	WSD
2-Butanone (MEK)	0.96	0.80		2.8	2.4	0.4	7/25/12 22:10	WSD
n-Butylbenzene	ND	0.058		ND	0.32	0.4	7/25/12 22:10	WSD
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	7/25/12 22:10	WSD
Carbon Tetrachloride	0.094	0.020		0.59	0.13	0.4	7/25/12 22:10	WSD
Chlorobenzene	ND	0.020		ND	0.092	0.4	7/25/12 22:10	WSD
Chloroethane	ND	0.020		ND	0.053	0.4	7/25/12 22:10	WSD
Chloroform	0.038	0.020		0.18	0.098	0.4	7/25/12 22:10	WSD
Chloromethane	ND	0.020		ND	0.041	0.4	7/25/12 22:10	WSD
Dibromochloromethane	ND	0.020		ND	0.17	0.4	7/25/12 22:10	WSD
1,2-Dibromoethane (EDB)	ND	0.020		ND	0.15	0.4	7/25/12 22:10	WSD
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	7/25/12 22:10	WSD
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	7/25/12 22:10	WSD
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	7/25/12 22:10	WSD
Dichlorodifluoromethane (Freon 12)	0.54	0.020		2.7	0.099	0.4	7/25/12 22:10	WSD
1,1-Dichloroethane	ND	0.020		ND	0.081	0.4	7/25/12 22:10	WSD
1,2-Dichloroethane	ND	0.020		ND	0.081	0.4	7/25/12 22:10	WSD
1,1-Dichloroethylene	ND	0.020		ND	0.079	0.4	7/25/12 22:10	WSD
cis-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	7/25/12 22:10	WSD
trans-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	7/25/12 22:10	WSD
1,2-Dichloropropane	ND	0.020		ND	0.092	0.4	7/25/12 22:10	WSD
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	7/25/12 22:10	WSD
cis-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	7/25/12 22:10	WSD
trans-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	7/25/12 22:10	WSD
Ethylbenzene	0.13	0.020		0.55	0.087	0.4	7/25/12 22:10	WSD
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	7/25/12 22:10	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	7/25/12 22:10	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	7/25/12 22:10	WSD
Methylene Chloride	0.35	0.20		1.2	0.69	0.4	7/25/12 22:10	WSD
4-Methyl-2-pentanone (MIBK)	0.079	0.020		0.32	0.082	0.4	7/25/12 22:10	WSD
Styrene	0.10	0.020		0.43	0.085	0.4	7/25/12 22:10	WSD
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	7/25/12 22:10	WSD
1,1,2,2-Tetrachloroethane	ND	0.020		ND	0.14	0.4	7/25/12 22:10	WSD

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: Rm 118
Sample ID: 12G0738-07
 Sample Matrix: Ambient Air
 Sampled: 7/20/2012 09:40

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1192
 Canister Size: 6 liter
 Flow Controller ID: 4203
 Sample Type: 30 min

Work Order: 12G0738
 Initial Vacuum(in Hg): +30
 Final Vacuum(in Hg): -4
 Receipt Vacuum(in Hg): -4.3
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time Analyzed	Analyst
	Results	RL		Results	RL			
Tetrachloroethylene	0.057	0.020		0.39	0.14	0.4	7/25/12 22:10	WSD
Toluene	0.60	0.020		2.3	0.075	0.4	7/25/12 22:10	WSD
1,1,1-Trichloroethane	ND	0.020		ND	0.11	0.4	7/25/12 22:10	WSD
1,1,2-Trichloroethane	ND	0.020		ND	0.11	0.4	7/25/12 22:10	WSD
Trichloroethylene	0.022	0.020		0.12	0.11	0.4	7/25/12 22:10	WSD
Trichlorofluoromethane (Freon 11)	0.27	0.020		1.5	0.11	0.4	7/25/12 22:10	WSD
1,2,4-Trimethylbenzene	0.12	0.020		0.60	0.098	0.4	7/25/12 22:10	WSD
1,3,5-Trimethylbenzene	0.045	0.020		0.22	0.098	0.4	7/25/12 22:10	WSD
Vinyl Chloride	ND	0.020		ND	0.051	0.4	7/25/12 22:10	WSD
m&p-Xylene	0.30	0.040		1.3	0.17	0.4	7/25/12 22:10	WSD
o-Xylene	0.11	0.020		0.49	0.087	0.4	7/25/12 22:10	WSD

Surrogates	% Recovery	% REC Limits	Date/Time Analyzed
4-Bromofluorobenzene (1)	117	70-130	7/25/12 22:10
4-Bromofluorobenzene (2)	101	70-130	7/25/12 22:10

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: Rm 110
Sample ID: 12G0738-08
 Sample Matrix: Ambient Air
 Sampled: 7/20/2012 09:41

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1055
 Canister Size: 6 liter
 Flow Controller ID: 4204
 Sample Type: 30 min

Work Order: 12G0738
 Initial Vacuum(in Hg): +30
 Final Vacuum(in Hg): -4
 Receipt Vacuum(in Hg): -4.3
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time Analyzed	Analyst
	Results	RL		Results	RL			
Acetone	6.3	0.80		15	1.9	0.4	7/25/12 22:58	WSD
Acrylonitrile	ND	0.12		ND	0.25	0.4	7/25/12 22:58	WSD
Benzene	0.14	0.020		0.44	0.064	0.4	7/25/12 22:58	WSD
Bromodichloromethane	ND	0.020		ND	0.13	0.4	7/25/12 22:58	WSD
Bromoform	ND	0.020		ND	0.21	0.4	7/25/12 22:58	WSD
2-Butanone (MEK)	ND	0.80		ND	2.4	0.4	7/25/12 22:58	WSD
n-Butylbenzene	ND	0.058		ND	0.32	0.4	7/25/12 22:58	WSD
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	7/25/12 22:58	WSD
Carbon Tetrachloride	0.080	0.020		0.50	0.13	0.4	7/25/12 22:58	WSD
Chlorobenzene	ND	0.020		ND	0.092	0.4	7/25/12 22:58	WSD
Chloroethane	ND	0.020		ND	0.053	0.4	7/25/12 22:58	WSD
Chloroform	0.028	0.020		0.14	0.098	0.4	7/25/12 22:58	WSD
Chloromethane	ND	0.020		ND	0.041	0.4	7/25/12 22:58	WSD
Dibromochloromethane	ND	0.020		ND	0.17	0.4	7/25/12 22:58	WSD
1,2-Dibromoethane (EDB)	ND	0.020		ND	0.15	0.4	7/25/12 22:58	WSD
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	7/25/12 22:58	WSD
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	7/25/12 22:58	WSD
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	7/25/12 22:58	WSD
Dichlorodifluoromethane (Freon 12)	0.47	0.020		2.3	0.099	0.4	7/25/12 22:58	WSD
1,1-Dichloroethane	ND	0.020		ND	0.081	0.4	7/25/12 22:58	WSD
1,2-Dichloroethane	ND	0.020		ND	0.081	0.4	7/25/12 22:58	WSD
1,1-Dichloroethylene	ND	0.020		ND	0.079	0.4	7/25/12 22:58	WSD
cis-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	7/25/12 22:58	WSD
trans-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	7/25/12 22:58	WSD
1,2-Dichloropropane	ND	0.020		ND	0.092	0.4	7/25/12 22:58	WSD
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	7/25/12 22:58	WSD
cis-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	7/25/12 22:58	WSD
trans-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	7/25/12 22:58	WSD
Ethylbenzene	0.11	0.020		0.46	0.087	0.4	7/25/12 22:58	WSD
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	7/25/12 22:58	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	7/25/12 22:58	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	7/25/12 22:58	WSD
Methylene Chloride	0.41	0.20		1.4	0.69	0.4	7/25/12 22:58	WSD
4-Methyl-2-pentanone (MIBK)	0.065	0.020		0.27	0.082	0.4	7/25/12 22:58	WSD
Styrene	0.036	0.020		0.15	0.085	0.4	7/25/12 22:58	WSD
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	7/25/12 22:58	WSD
1,1,2,2-Tetrachloroethane	ND	0.020		ND	0.14	0.4	7/25/12 22:58	WSD

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: Rm 110
Sample ID: 12G0738-08
 Sample Matrix: Ambient Air
 Sampled: 7/20/2012 09:41

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1055
 Canister Size: 6 liter
 Flow Controller ID: 4204
 Sample Type: 30 min

Work Order: 12G0738
 Initial Vacuum(in Hg): +30
 Final Vacuum(in Hg): -4
 Receipt Vacuum(in Hg): -4.3
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time Analyzed	Analyst
	Results	RL		Results	RL			
Tetrachloroethylene	0.058	0.020		0.40	0.14	0.4	7/25/12 22:58	WSD
Toluene	0.52	0.020		2.0	0.075	0.4	7/25/12 22:58	WSD
1,1,1-Trichloroethane	ND	0.020		ND	0.11	0.4	7/25/12 22:58	WSD
1,1,2-Trichloroethane	ND	0.020		ND	0.11	0.4	7/25/12 22:58	WSD
Trichloroethylene	ND	0.020		ND	0.11	0.4	7/25/12 22:58	WSD
Trichlorofluoromethane (Freon 11)	0.20	0.020		1.1	0.11	0.4	7/25/12 22:58	WSD
1,2,4-Trimethylbenzene	0.095	0.020		0.47	0.098	0.4	7/25/12 22:58	WSD
1,3,5-Trimethylbenzene	0.031	0.020		0.15	0.098	0.4	7/25/12 22:58	WSD
Vinyl Chloride	ND	0.020		ND	0.051	0.4	7/25/12 22:58	WSD
m&p-Xylene	0.28	0.040		1.2	0.17	0.4	7/25/12 22:58	WSD
o-Xylene	0.11	0.020		0.46	0.087	0.4	7/25/12 22:58	WSD

Surrogates	% Recovery	% REC Limits	Date/Time Analyzed
4-Bromofluorobenzene (1)	107	70-130	7/25/12 22:58
4-Bromofluorobenzene (2)	92.8	70-130	7/25/12 22:58

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: Ambient
Sample ID: 12G0738-09
 Sample Matrix: Ambient Air
 Sampled: 7/20/2012 12:01

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1469
 Canister Size: 6 liter
 Flow Controller ID: 4207
 Sample Type: 30 min

Work Order: 12G0738
 Initial Vacuum(in Hg): +30
 Final Vacuum(in Hg): -3
 Receipt Vacuum(in Hg): -2.9
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time Analyzed	Analyst
	Results	RL		Results	RL			
Acetone	4.7	0.80		11	1.9	0.4	7/25/12 23:45	WSD
Acrylonitrile	ND	0.12		ND	0.25	0.4	7/25/12 23:45	WSD
Benzene	0.23	0.020		0.74	0.064	0.4	7/25/12 23:45	WSD
Bromodichloromethane	ND	0.020		ND	0.13	0.4	7/25/12 23:45	WSD
Bromoform	ND	0.020		ND	0.21	0.4	7/25/12 23:45	WSD
2-Butanone (MEK)	ND	0.80		ND	2.4	0.4	7/25/12 23:45	WSD
n-Butylbenzene	ND	0.058		ND	0.32	0.4	7/25/12 23:45	WSD
sec-Butylbenzene	ND	0.046		ND	0.25	0.4	7/25/12 23:45	WSD
Carbon Tetrachloride	0.078	0.020		0.49	0.13	0.4	7/25/12 23:45	WSD
Chlorobenzene	ND	0.020		ND	0.092	0.4	7/25/12 23:45	WSD
Chloroethane	ND	0.020		ND	0.053	0.4	7/25/12 23:45	WSD
Chloroform	0.023	0.020		0.11	0.098	0.4	7/25/12 23:45	WSD
Chloromethane	0.61	0.020		1.3	0.041	0.4	7/25/12 23:45	WSD
Dibromochloromethane	ND	0.020		ND	0.17	0.4	7/25/12 23:45	WSD
1,2-Dibromoethane (EDB)	ND	0.020		ND	0.15	0.4	7/25/12 23:45	WSD
1,2-Dichlorobenzene	ND	0.020		ND	0.12	0.4	7/25/12 23:45	WSD
1,3-Dichlorobenzene	ND	0.020		ND	0.12	0.4	7/25/12 23:45	WSD
1,4-Dichlorobenzene	ND	0.020		ND	0.12	0.4	7/25/12 23:45	WSD
Dichlorodifluoromethane (Freon 12)	0.47	0.020		2.3	0.099	0.4	7/25/12 23:45	WSD
1,1-Dichloroethane	ND	0.020		ND	0.081	0.4	7/25/12 23:45	WSD
1,2-Dichloroethane	ND	0.020		ND	0.081	0.4	7/25/12 23:45	WSD
1,1-Dichloroethylene	ND	0.020		ND	0.079	0.4	7/25/12 23:45	WSD
cis-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	7/25/12 23:45	WSD
trans-1,2-Dichloroethylene	ND	0.020		ND	0.079	0.4	7/25/12 23:45	WSD
1,2-Dichloropropane	ND	0.020		ND	0.092	0.4	7/25/12 23:45	WSD
1,3-Dichloropropane	ND	0.054		ND	0.25	0.4	7/25/12 23:45	WSD
cis-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	7/25/12 23:45	WSD
trans-1,3-Dichloropropene	ND	0.020		ND	0.091	0.4	7/25/12 23:45	WSD
Ethylbenzene	0.11	0.020		0.47	0.087	0.4	7/25/12 23:45	WSD
Isopropylbenzene (Cumene)	ND	0.051		ND	0.25	0.4	7/25/12 23:45	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.046		ND	0.25	0.4	7/25/12 23:45	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.020		ND	0.072	0.4	7/25/12 23:45	WSD
Methylene Chloride	0.48	0.20		1.7	0.69	0.4	7/25/12 23:45	WSD
4-Methyl-2-pentanone (MIBK)	0.029	0.020		0.12	0.082	0.4	7/25/12 23:45	WSD
Styrene	0.047	0.020		0.20	0.085	0.4	7/25/12 23:45	WSD
1,1,1,2-Tetrachloroethane	ND	0.036		ND	0.25	0.4	7/25/12 23:45	WSD
1,1,2,2-Tetrachloroethane	ND	0.020		ND	0.14	0.4	7/25/12 23:45	WSD

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: Ambient
Sample ID: 12G0738-09
 Sample Matrix: Ambient Air
 Sampled: 7/20/2012 12:01

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1469
 Canister Size: 6 liter
 Flow Controller ID: 4207
 Sample Type: 30 min

Work Order: 12G0738
 Initial Vacuum(in Hg): +30
 Final Vacuum(in Hg): -3
 Receipt Vacuum(in Hg): -2.9
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time Analyzed	Analyst
	Results	RL		Results	RL			
Tetrachloroethylene	0.035	0.020		0.24	0.14	0.4	7/25/12 23:45	WSD
Toluene	0.70	0.020		2.6	0.075	0.4	7/25/12 23:45	WSD
1,1,1-Trichloroethane	ND	0.020		ND	0.11	0.4	7/25/12 23:45	WSD
1,1,2-Trichloroethane	ND	0.020		ND	0.11	0.4	7/25/12 23:45	WSD
Trichloroethylene	ND	0.020		ND	0.11	0.4	7/25/12 23:45	WSD
Trichlorofluoromethane (Freon 11)	0.20	0.020		1.1	0.11	0.4	7/25/12 23:45	WSD
1,2,4-Trimethylbenzene	0.064	0.020		0.31	0.098	0.4	7/25/12 23:45	WSD
1,3,5-Trimethylbenzene	0.022	0.020		0.11	0.098	0.4	7/25/12 23:45	WSD
Vinyl Chloride	ND	0.020		ND	0.051	0.4	7/25/12 23:45	WSD
m&p-Xylene	0.18	0.040		0.77	0.17	0.4	7/25/12 23:45	WSD
o-Xylene	0.065	0.020		0.28	0.087	0.4	7/25/12 23:45	WSD

Surrogates	% Recovery	% REC Limits	Date/Time Analyzed
4-Bromofluorobenzene (1)	107	70-130	7/25/12 23:45
4-Bromofluorobenzene (2)	93.7	70-130	7/25/12 23:45

Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
12G0738-01 [Gymnasium]	B056099	1	1	N/A	1000	400	1000	07/25/12
12G0738-02 [Cafeteria]	B056099	1	1	N/A	1000	400	1000	07/25/12
12G0738-03 [Kitchen Storage]	B056099	1	1	N/A	1000	400	1000	07/25/12
12G0738-04 [Elevator Hallway]	B056099	1	1	N/A	1000	400	1000	07/25/12
12G0738-05 [Rm 145]	B056099	1	1	N/A	1000	400	1000	07/25/12
12G0738-06 [Rm 152]	B056099	1	1	N/A	1000	400	1000	07/25/12
12G0738-07 [Rm 118]	B056099	1	1	N/A	1000	400	1000	07/25/12
12G0738-08 [Rm 110]	B056099	1	1	N/A	1000	400	1000	07/25/12
12G0738-09 [Ambient]	B056099	1	1	N/A	1000	400	1000	07/25/12

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

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

Batch B056099 - TO-15 Prep

Blank (B056099-BLK1)

Prepared & Analyzed: 07/25/12

Acetone	ND	1.0
Acrylonitrile	ND	0.14
Benzene	ND	0.025
Bromodichloromethane	ND	0.025
Bromoform	ND	0.025
2-Butanone (MEK)	ND	1.0
n-Butylbenzene	ND	0.072
sec-Butylbenzene	ND	0.057
Carbon Tetrachloride	ND	0.025
Chlorobenzene	ND	0.025
Chloroethane	ND	0.025
Chloroform	ND	0.025
Chloromethane	ND	0.025
Dibromochloromethane	ND	0.025
1,2-Dibromoethane (EDB)	ND	0.025
1,2-Dichlorobenzene	ND	0.025
1,3-Dichlorobenzene	ND	0.025
1,4-Dichlorobenzene	ND	0.025
Dichlorodifluoromethane (Freon 12)	ND	0.025
1,1-Dichloroethane	ND	0.025
1,2-Dichloroethane	ND	0.025
1,1-Dichloroethylene	ND	0.025
cis-1,2-Dichloroethylene	ND	0.025
trans-1,2-Dichloroethylene	ND	0.025
1,2-Dichloropropane	ND	0.025
1,3-Dichloropropane	ND	0.068
cis-1,3-Dichloropropene	ND	0.025
trans-1,3-Dichloropropene	ND	0.025
Ethylbenzene	ND	0.025
Isopropylbenzene (Cumene)	ND	0.064
p-Isopropyltoluene (p-Cymene)	ND	0.057
Methyl tert-Butyl Ether (MTBE)	ND	0.025
Methylene Chloride	ND	0.25
4-Methyl-2-pentanone (MIBK)	ND	0.025
Styrene	ND	0.025
1,1,1,2-Tetrachloroethane	ND	0.046
1,1,2,2-Tetrachloroethane	ND	0.025
Tetrachloroethylene	ND	0.025
Toluene	ND	0.025
1,1,1-Trichloroethane	ND	0.025
1,1,2-Trichloroethane	ND	0.025
Trichloroethylene	ND	0.025
Trichlorofluoromethane (Freon 11)	ND	0.025
1,2,4-Trimethylbenzene	ND	0.025
1,3,5-Trimethylbenzene	ND	0.025
Vinyl Chloride	ND	0.025

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

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

Batch B056099 - TO-15 Prep

Blank (B056099-BLK1)

Prepared & Analyzed: 07/25/12

m&p-Xylene	ND	0.050									
o-Xylene	ND	0.025									
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	8.82				8.00		110	70-130			
<i>Surrogate: 4-Bromofluorobenzene (2)</i>	7.78				8.00		97.2	70-130			

LCS (B056099-BS1)

Prepared & Analyzed: 07/25/12

Acetone	6.18				5.00		124	50-150			
Acrylonitrile	3.85				2.88		134 *	70-130			L-01, V-06
Benzene	4.38				5.00		87.6	70-130			
Bromodichloromethane	5.27				5.00		105	70-130			
Bromoform	6.02				5.00		120	70-130			
2-Butanone (MEK)	4.86				5.00		97.1	70-130			
n-Butylbenzene	0.989				1.14		86.8	50-150			
sec-Butylbenzene	0.888				1.14		77.9	50-150			
Carbon Tetrachloride	5.54				5.00		111	70-130			
Chlorobenzene	4.37				5.00		87.3	70-130			
Chloroethane	5.53				5.00		111	70-130			
Chloroform	4.25				5.00		85.0	70-130			
Chloromethane	5.62				5.00		112	70-130			
Dibromochloromethane	5.27				5.00		105	70-130			
1,2-Dibromoethane (EDB)	4.79				5.00		95.7	70-130			
1,2-Dichlorobenzene	4.66				5.00		93.3	70-130			
1,3-Dichlorobenzene	4.77				5.00		95.5	70-130			
1,4-Dichlorobenzene	4.73				5.00		94.6	70-130			
Dichlorodifluoromethane (Freon 12)	4.84				5.00		96.9	70-130			
1,1-Dichloroethane	4.34				5.00		86.9	70-130			
1,2-Dichloroethane	4.85				5.00		97.0	70-130			
1,1-Dichloroethylene	4.41				5.00		88.2	70-130			
cis-1,2-Dichloroethylene	4.43				5.00		88.6	70-130			
trans-1,2-Dichloroethylene	4.21				5.00		84.3	70-130			
1,2-Dichloropropane	4.90				5.00		98.0	70-130			
1,3-Dichloropropane	1.01				1.35		75.0	70-130			
cis-1,3-Dichloropropene	5.37				5.00		107	70-130			
trans-1,3-Dichloropropene	5.26				5.00		105	70-130			
Ethylbenzene	4.88				5.00		97.5	70-130			
Isopropylbenzene (Cumene)	0.963				1.27		75.8	70-130			
p-Isopropyltoluene (p-Cymene)	0.892				1.14		78.2	50-150			
Methyl tert-Butyl Ether (MTBE)	4.47				5.00		89.4	70-130			
Methylene Chloride	4.80				5.00		96.1	70-130			
4-Methyl-2-pentanone (MIBK)	5.26				5.00		105	70-130			
Styrene	4.87				5.00		97.5	70-130			
1,1,1,2-Tetrachloroethane	0.644				0.910		70.8	50-150			
1,1,2,2-Tetrachloroethane	4.81				5.00		96.2	70-130			
Tetrachloroethylene	4.65				5.00		93.1	70-130			
Toluene	4.66				5.00		93.2	70-130			
1,1,1-Trichloroethane	5.16				5.00		103	70-130			
1,1,2-Trichloroethane	4.65				5.00		93.0	70-130			

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

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

Batch B056099 - TO-15 Prep

LCS (B056099-BS1)

Prepared & Analyzed: 07/25/12

Trichloroethylene	4.66				5.00		93.3	70-130		
Trichlorofluoromethane (Freon 11)	4.80				5.00		95.9	70-130		
1,2,4-Trimethylbenzene	5.06				5.00		101	70-130		
1,3,5-Trimethylbenzene	5.06				5.00		101	70-130		
Vinyl Chloride	5.17				5.00		103	70-130		
m&p-Xylene	10.3				10.0		103	70-130		
o-Xylene	5.12				5.00		102	70-130		
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	<i>8.64</i>				<i>8.00</i>		<i>108</i>	<i>70-130</i>		
<i>Surrogate: 4-Bromofluorobenzene (2)</i>	<i>7.57</i>				<i>8.00</i>		<i>94.6</i>	<i>70-130</i>		

FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
 - † Wide recovery limits established for difficult compound.
 - ‡ Wide RPD limits established for difficult compound.
 - # Data exceeded client recommended or regulatory level
- Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
- L-01 Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
 - V-06 Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

CERTIFICATIONS

Certified Analyses included in this Report

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

CERTIFICATIONS

Certified Analyses included in this Report

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

EPA TO-15 in Air

o-Xylene AIHA,FL,NJ,NY

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2013
CT	Connecticut Department of Public Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2013
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2013
RI	Rhode Island Department of Health	LAO00112	12/30/2012
NC	North Carolina Div. of Water Quality	652	12/31/2012
NJ	New Jersey DEP	MA007 NELAP	06/30/2013
FL	Florida Department of Health	E871027 NELAP	06/30/2013
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2013
WA	State of Washington Department of Ecology	C2065	02/23/2013
ME	State of Maine	2011028	06/9/2013
VA	Commonwealth of Virginia	1381	12/14/2012



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

Company Name: EA Engineering
 Address: 2374 Post Road
 Suite 102
 Paul Theroux

Project Location: Alverex High School, Providence, RI
 Sampled By: P.T. and M.T.

Proposal Provided? (For Billing purposes)
 Yes No

Client PO # _____

Telephone: (401) 736-3440
 Project # 14687.01

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT

Fax #: (401) 736-3423
 Email: pheroux@east.com

Format: EXCEL PDF GIS KEY OTHER

AIR SAMPLE CHAIN OF CUSTODY RECORD

1240738

39 SPRUCE ST
 EAST LONGMEADOW, MA 01028

Page of
 DOC# 284
 Rev. July 2010

Field ID	Sample Description	Media	Lab #	Date Time	Date Stop	Total Minutes Sampled	Flow Rate M ² /Min. or L / Min.	Volume Liters or M ³	Matrix Code	ANALYSIS REQUESTED		Summa Canister ID	Flow Controller ID
										Hg	Other		
Gymnasium		S	01	7/20/12 0857	7/20/12 0926				AMB	✓		1670	4210
Cafeteria		S	02	7/20/12 0858	7/20/12 0927				AMB	✓		1509	4194
Kitchen Storage		S	03	7/20/12 0859	7/20/12 0928				AMB	✓		1057	4211
Elevator Hallway		S	04	7/20/12 0902	7/20/12 0930				AMB	✓		1020	4206
Rm 145		S	05	7/20/12 0909	7/20/12 0929				AMB	✓		1130	4202
Rm 152		S	06	7/20/12 0915	7/20/12 0943				AMB	✓		1785	4201
Rm 118		S	07	7/20/12 0912	7/20/12 0940				AMB	✓		1192	4203
Rm 110		S	08	7/20/12 0913	7/20/12 0941				AMB	✓		1055	4204

Laboratory Comments:

CLIENT COMMENTS:

Received by (signature) *[Signature]* Date/Time: 7/23/12 1:58

Received by (signature) *[Signature]* Date/Time: 7/23/12 10:30

Received by (signature) *[Signature]* Date/Time: 7/23/12 18:39

Received by (signature) *[Signature]* Date/Time: 7/23/12 18:30

Turnaround: 7-Day 10-Day Other _____

RUSH: *24-Hr *48-Hr *72-Hr *4-Day

Approval Required: *Approval Required

Regulations: _____

Data Enhancement/RCP? Y N

Enhanced Data Package Y N

Required Detection Limits: per contract

Other: _____

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

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

TO-15 SIM per contract

Summa canisters will be retained for a minimum of 14 days after sampling date prior to cleaning.

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.



Phone: 413-525-2332
Fax: 413-525-6405

Email: info@contestlabs.com
www.contestlabs.com

1260798

RECORD

39 SPRUCE ST
EAST LONGMEADOW, MA 01028

Page ____ of ____
DOC#284

Rev. July 2010

Company Name: EA Engineering
Address: 2374 Post Road
Suite 102

Telephone: (401) 736-3440
Project # 14687.01
Client PO #

Attention: Paul Theroux

Project Location: Avarex High School, Providence, RI

Sampled By: P.T. and M.T.

Proposal Provided? (For Billing purposes)

Proposal date

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
Fax #: (401) 736-3423
Email: pheroux@eaest.com
Format: EXCEL PDF GIS KEY OTHER

Field ID	Sample Description	Media	Lab #
Ambient		S	09

Date	Time	Date	Time	Total	Flow Rate	Volume	Matrix
Start	Stop	Start	Stop	Minutes	M ² /Min. or L / Min.	M ³	Code*
7/20/12	1130	7/20/12	1201				AMB

ANALYSIS REQUESTED	Hg	Media Codes:
TO-15 SIM per contract	30+3	29
		1469
		4207

Laboratory Comments:

CLIENT COMMENTS:

Retrieved by: (signature)

Date/Time: 7/23/12 1:52

Turnaround **
 7-Day
 10-Day
 Other

Special Requirements

*Matrix Code:

**Media Codes:

Received by: (signature)

Date/Time: 7/23/12 10:50

*24-Hr *48-Hr
 *72-Hr *4-Day

Regulations: _____
Data Enhancement/RCP? Y N
Enhanced Data Package Y N
(Surcharge Applies)
Required Detection Limits: per contract
Other: _____

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

S= summa can
T= tedlar bag
P= PUF
T= tube
F= filter
C= cassette
O= Other

Retrieved by: (signature)

Date/Time: 7/23/12 18:30

*24-Hr *48-Hr
 *72-Hr *4-Day

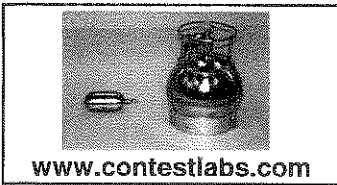
Regulations: _____
Data Enhancement/RCP? Y N
Enhanced Data Package Y N
(Surcharge Applies)
Required Detection Limits: per contract
Other: _____

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

S= summa can
T= tedlar bag
P= PUF
T= tube
F= filter
C= cassette
O= Other

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AHA, NELAC & WBE/DBE Certified



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

AIR Only Receipt Checklist

CLIENT NAME: EA Engineering RECEIVED BY: SD DATE: 7/23/12

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

6) Location where samples are stored: Air Lab

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

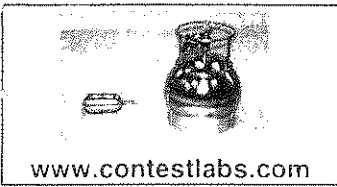
Containers received at Con-Test		
	# of Containers	Types (Size, Duration)
Summa Cans	1	6 Liter
Tedlar Bags		
Tubes		
Regulators	1	30 min 6 Liter
Restrictors		
Tubing		
Other		

~~Unused~~ Summas:
1469

~~Unused~~ Regulators:
4207

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

Laboratory Comments:



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

AIR Only Receipt Checklist

CLIENT NAME: EA Engineering RECEIVED BY: SD DATE: 7/23/12

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

Who was notified _____ Date _____ Time _____

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

Air Media received at Con-Test			
		# of Containers	Types (Size, Duration)
Air Sampling Media	Summa Cans	8	6 Liter
	Tedlar Bags		
	Tubes		
Flow Controllers	Regulators	8	30 min 6 Liter
	Restrictors		
Extras	Tubing		
	Other		

Unused Summas:
 1070 1057 1130 1192
 1509 1020 1785 1055

Unused Regulators:
 4210 4211 4202 4203
 4194 4206 4201 4204

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

Laboratory Comments:

APPENDIX C

Subslab Vapor Analytical Summary and Lab Report

**Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2012**

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
		Acetone Section <p>Acetone</p> <p>8-Feb-08 17.200 NS NS NS NS 4.750 U NS NS NS NS NS NS NS 5.620 NS 11.400 NS NS NS 27-Mar-08 NS 28.700 NS NS NS NS NS NS NS NS NS NS NS NS NS 217.000 NS 12.400 NS 25-Apr-08 NS NS 188.000 NS NS NS NS NS NS NS NS NS NS NS NS NS 34.000 NS 33.900 NS 29-May-08 NS NS NS 40.900 NS NS NS NS NS NS NS NS NS NS NS NS NS 9.820 NS 16.400 NS 27-Jun-08 107.000 NS NS NS NS 145.000 NS NS NS NS NS NS NS NS NS NS 20.400 NS 9.730 NS 31-Jul-08 NS NS 101.000 NS NS NS NS NS NS NS NS NS NS NS NS NS NS 14.400 NS 18.100 NS 28-Aug-08 NS NS NS 1130.000 NS NS NS NS NS NS NS NS NS NS NS NS NS NS 46.000 NS 30-Sep-08 NS NS NS NS 32.800 NS NS NS NS NS NS NS NS NS NS NS NS NS NS 9.400 NS 27-Oct-08 19.600 NS NS NS NS 15.000 NS NS NS NS NS NS NS NS NS NS NS 17.900 NS 25-Nov-08 NS NS 148.000 NS NS NS NS 183.000 NS NS NS NS NS NS NS NS NS NS 13.000 NS 18-Dec-08 NS NS NS 856.000 NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 37.200 NS 21-Jan-09 NS NS NS NS 19.100 NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 2.400 U 25-Feb-09 28.600 NS NS NS NS 60.900 NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 9.500 NS 26-Mar-09 NS NS 102.000 NS NS NS NS 47.500 U NS NS NS NS NS NS NS NS NS NS 50.600 NS 29-Apr-09 NS NS 1980.000 NS NS NS NS NS NS NS NS 23.300 NS NS NS NS NS NS NS NS NS 22-Jul-09 58.500 NS 58.5 148.000 NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 96.000 NS 9-Oct-09 NS 25.700 NS NS 49.700 NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 6.510 NS 15-Jan-10 33.600 NS 90.900 22.800 NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 12.500 NS 21-Apr-10 NS NS 21.900 NS NS NS NS 206.000 NS NS NS NS 263.000 NS NS NS NS NS NS NS NS 16-Jul-10 654.000 NS 4800.000 202.000 NS NS NS NS 11400.000 NS NS NS NS NS NS NS NS NS NS 8.340 NS 15-Oct-10 NS NS 11.300 NS NS NS NS 26.000 NS NS NS NS 10.200 NS NS NS NS NS NS NS NS NS 26-Jan-11 114.000 26.800 NS NS 54.400 NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 25.300 NS 28-Feb-11 NS NS 80.800 NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 27-Apr-11 NS NS 106.000 NS NS NS NS 255.000 NS NS NS NS 220.000 NS NS NS NS NS NS NS NS NS 26-Jul-11 76.200 NS U 120.000 154.000 E NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 23.800 NS 28-Oct-11 NS NS 48.000 NS NS NS NS 48.000 U NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 51.000 U 23-Jan-12 37.000 NS NS 36.000 19.000 NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 38.000 NS 13-Apr-12 NS NS 32.000 NS NS NS NS 70.000 NS NS NS NS 32.000 NS NS NS NS NS NS NS NS NS 2-Jul-12 (resample) NS 48.000 U 23-Jun-12 21.000 NS NS NS 30.000 370.000 NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 21.000 NS</p> Acrylonitrile Section <p>Acrylonitrile</p> <p>8-Feb-08 1.080 U NS NS NS NS 1.080 U NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 1.080 U 27-Mar-08 NS NS 1.080 U NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 1.080 U 25-Apr-08 NS NS NS 1.080 NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 1.080 U 29-May-08 NS NS NS 1.080 NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 1.080 U 27-Jun-08 1.690 U NS NS NS NS 1.080 U NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 1.080 U 31-Jul-08 NS NS 1.080 U NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 1.080 U 28-Aug-08 NS NS NS 1.080 U NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 1.080 U 30-Sep-08 NS NS NS 2.200 U NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 2.200 U 27-Oct-08 2.200 U NS NS NS NS 2.200 U NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 2.200 U 25-Nov-08 NS NS 2.200 U NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 2.200 U 18-Dec-08 NS NS NS 2.200 U NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 2.200 U 21-Jan-09 NS NS NS 2.200 U NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 2.200 U 25-Feb-09 2.200 U NS NS NS NS 2.200 U NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 2.200 U 26-Mar-09 NS NS 5.420 U NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 1.080 U 29-Apr-09 NS NS 1.080 U NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 1.080 U 22-Jul-09 5.420 U NS NS 5.420 U 10.800 U NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 1.080 U 9-Oct-09 NS NS 0.051 U NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 1.080 U 15-Jan-10 1.080 U NS NS 1.080 U 1.080 U NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 1.080 U 21-Apr-10 NS NS 1.080 U NS NS NS NS 5.420 U NS NS NS NS 5.420 U NS NS NS NS NS NS NS NS NS 16-Jul-10 1.080 U NS NS 1.080 U 1.080 U NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 1.080 U 15-Oct-10 NS NS 0.108 U NS NS NS NS 1.080 U NS NS NS NS 1.080 U NS NS NS NS NS NS NS NS NS 26-Jan-11 10.800 U NS NS NS NS 1.080 U NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 5.420 U 28-Feb-11 NS NS NS 10.800 U NS 27-Apr-11 NS NS 1.080 U NS NS NS NS 1.080 U NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 1.080 U 26-Jul-11 3.620 U NS NS 3.620 U 1.080 U NS NS NS NS 5.420 U NS NS NS NS 1.080 U NS NS NS NS 5.420 U 28-Oct-11 NS NS 6.200 U NS NS 6.200 U NS NS NS NS 6.200 U NS NS NS NS 6.200 U NS NS NS NS 6.200 U 23-Jan-12 1.200 U NS NS 1.200 U 1.200 U NS NS NS NS 1.200 U NS NS NS NS NS NS NS NS NS NS 1.200 U 13-Apr-12 NS NS 1.200 U NS NS NS NS 1.200 U NS NS NS NS 1.200 U NS NS NS NS NS NS NS NS NS 2-Jul-12 (resample) NS 6.200 U 23-Jun-12 1.200 U NS NS 1.200 U 1.200 U NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 1.200 U</p> Benzene Section <p>Benzene</p> <p>8-Feb-08 0.920 NS NS NS NS 0.980 NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 0.540 NS 27-Mar-08 NS NS 0.540 NS NS NS NS 0.462 NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 0.788 NS 25-Apr-08 NS NS NS 0.584 NS NS NS NS 0.745 NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 0.428 NS 29-May-08 NS NS NS NS 0.730 NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 1.030 NS 27-Jun-08 0.626 NS NS NS NS 0.468 NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 0.358 NS 31-Jul-08 NS NS 0.418 NS 0.358 NS 28-Aug-08 NS NS NS 1.020 NS 0.815 NS 30-Sep-08 NS NS NS 1.600 U NS 1.600 U 27-Oct-08 1.600 U NS NS NS NS 1.600 U NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 25-Nov-08 NS NS 1.600 U NS NS NS NS 1.600 U NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 1.600 U 18-Dec-08 NS NS NS 1.600 U NS 1.600 U 21-Jan-09 NS NS NS 1.600 U NS 1.600 U 25-Feb-09 1.600 U NS NS NS NS 1.600 U NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 26-Mar-09 NS NS 2.100 NS NS NS NS 2.230 U NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 0.945 NS 29-Apr-09 NS NS NS 0.603 NS 0.223 U 22-Jul-09 1.120 U NS NS 56.000 2.230 U NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 9-Oct-09 NS NS 1.150 NS NS NS NS 0.974 NS NS NS NS 46.600 U NS NS NS NS NS NS NS NS NS 15-Jan-10 0.763 NS NS 0.887 NS 0.980 NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 0.964 NS 21-Apr-10 NS NS 0.373 NS NS NS NS 0.160 U NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 0.635 NS 16-Jul-10 0.332 NS NS 1.530 NS 0.689 NS NS NS NS 2.410 U NS NS NS NS NS NS NS NS NS NS NS 0.319 U 15-Oct-10 NS NS 0.319 U NS NS NS NS 0.319 U NS NS NS NS 0.319 U NS NS NS NS NS NS NS NS NS 26-Jan-11 3.190 U NS 2.490 NS NS 2.460 NS NS NS NS 1.600 U NS NS NS NS 1.850 NS NS NS NS 1.900 NS 28-Feb-11 NS NS NS 3.190 U NS 27-Apr-11 NS NS 0.319 U NS NS NS NS 0.319 U NS NS NS NS 0.319 U NS NS NS NS NS NS NS NS NS NS 0.319 U 26-Jul-11 1.060 U NS 1.060 NS NS 0.434 NS NS NS NS 1.600 U NS NS NS NS 0.319 U NS NS NS NS 1.600 U 28-Oct-11 NS NS 1.600 U NS NS NS NS 1.600 U NS NS NS NS 1.600 U NS NS NS NS NS NS NS NS NS NS 1.600 U 23-Jan-12 0.840 NS NS 1.200 NS 0.980 NS NS NS NS 0.810 NS NS NS NS NS NS NS NS NS NS NS 1.400 NS 13-Apr-12 NS NS 0.320 U NS NS NS NS 0.320 U NS NS NS NS 0.320 U NS NS NS NS NS NS NS NS NS NS 0.320 U 2-Jul-12 (resample) NS 1.600 U 23-Jun-12 0.450 NS NS NS 0.610 0.880 NS NS NS NS NS NS NS NS NS NS NS NS NS NS NS 0.420 NS</p>																					

**Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2012**

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
Bromodichloromethane	8-Feb-08	0.130	U	NS		NS		NS		0.130	U	NS		NS		NS		0.130	U	0.130	U	NS	U
	27-Mar-08	NS		0.134	U	NS		NS		0.134	U	NS		NS		NS		0.134	U	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	NS		0.130	U	NS	U
	27-Jun-08	0.209	U	NS		NS		NS		0.134	U	NS		NS		NS		NS		0.134	U	0.134	U
	31-Jul-08	NS		0.134	U	NS		NS		NS		NS		NS		NS		0.134	U	NS		0.134	U
	28-Aug-08	NS		NS		0.134	U	NS		NS		NS		0.134	U	NS		0.134	U	0.134	U	NS	U
	30-Sep-08	NS		NS		NS		0.520		NS		NS		NS		0.130	U	NS		0.230		0.130	U
	27-Oct-08	0.130	U	NS		NS		NS		1.070		NS		NS		NS		0.130	U	NS		0.130	U
	25-Nov-08	NS		0.130	U	NS		NS		NS		0.130	U	NS		NS		0.130	U	3.000		0.130	U
	18-Dec-08	NS		NS		0.130	U	NS		NS		0.130	U	NS		NS		NS		0.130	U	0.130	U
	21-Jan-09	NS		NS		NS		0.130	U	NS		NS		NS		0.130	U	NS		NS		0.130	U
	25-Feb-09	0.130	U	NS		NS		NS		0.130	U	NS		NS		NS		0.130	U	0.130	U	NS	U
	26-Mar-09	NS		0.670	U	NS		NS		NS		1.340	U	NS		NS		NS		0.134	U	0.134	U
	29-Apr-09	NS		NS		0.134	U	NS		NS		NS		0.134	U	NS		0.134	U	NS		0.134	U
	22-Jul-09	0.670	U	NS		27.300	U	1.340	U	NS		0.670	U	NS		NS		0.134	U	0.134	U	NS	U
	9-Oct-09	NS		0.134	U	NS		NS		0.134	U	NS		0.134	U	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	U
	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
	16-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	U
	15-Oct-10	NS		0.134	U	NS		NS		0.134	U	NS		0.134	U	NS		0.134	U	NS		0.134	U
	26-Jan-11	1.340	U	0.134	U	NS		0.134	U	NS		0.670	U	NS		0.670	U	0.670	U	0.670	U	NS	U
	28-Feb-11	NS		NS		1.340	U	NS		NS		NS		NS		NS		NS		NS		NS	U
	27-Apr-11	NS		0.134	U	NS		NS		0.134	U	NS		0.134	U	0.134	U	0.134	U	NS		0.134	U
26-Jul-11	0.447	U	NS		0.447	U	0.134	U	NS		0.670	U	NS		NS		0.134	U	0.670	U	NS	U	
28-Oct-11	NS		3.400	U	NS		NS		3.400	U	NS		3.400	U	3.400	U	3.400	U	NS		3.400	U	
23-Jan-12	0.670	U	NS		0.670	U	0.670	U	NS		0.670	U	NS		NS		0.670	U	0.670	U	NS	U	
13-Apr-12	NS		0.340	U	NS		NS		0.340	U	NS		0.340	U	0.340	U	0.340	U	NS		0.340	U	
2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		1.700		NS	U	
23-Jun-12	0.670	U	NS		0.670	U	0.670	U	NS		0.670	U	NS		NS		0.670	U	0.670	U	NS	U	
Bromoform	8-Feb-08	0.210	U	NS		NS		NS		0.210	U	NS		NS		NS		0.210	U	0.210	U	NS	U
	27-Mar-08	NS		0.206	U	NS		NS		NS		0.206	U	NS		NS		NS		0.206	U	0.206	U
	25-Apr-08	NS		NS		0.206	U	NS		NS		NS		0.206	U	NS		0.206	U	NS		0.206	U
	29-May-08	NS		NS		NS		0.210	U	NS		NS		NS		0.210	U	NS		0.210	U	NS	U
	27-Jun-08	0.322	U	NS		NS		NS		0.206	U	NS		NS		NS		0.206	U	0.206	U	0.206	U
	31-Jul-08	NS		0.206	U	NS		NS		NS		NS		NS		NS		0.206	U	NS		0.206	U
	28-Aug-08	NS		NS		0.206	U	NS		NS		NS		0.206	U	NS		0.206	U	NS		NS	U
	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	U
	18-Dec-08	NS		NS		0.410	U	NS		NS		NS		0.410	U	NS		NS		0.410	U	0.410	U
	21-Jan-09	NS		NS		NS		0.410	U	NS		NS		NS		0.410	U	NS		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	U
	26-Mar-09	NS		1.030	U	NS		NS		NS		2.060	U	NS		NS		NS		0.206	U	0.206	U
	29-Apr-09	NS		NS		0.206	U	NS		NS		NS		0.206	U	NS		NS		NS		0.206	U
	22-Jul-09	1.030	U	NS		42.000	U	2.060	U	NS		1.030	U	NS		NS		0.206	U	0.206	U	NS	U
	9-Oct-09	NS		0.206	U	NS		NS		0.206	U	NS		0.206	U	43.100	U	0.206	U	NS		0.206	U
	15-Jan-10	0.206	U	NS		0.206	U	0.206	U	NS		0.206	U	NS		NS		0.206	U	0.206	U	NS	U
	21-Apr-10	NS		0.206	U	NS		NS		1.030	U	NS		1.030	U	1.030	U	NS		NS		0.206	U
	16-Jul-10	0.206	U	NS		0.206	U	0.206	U	NS		1.560	U	NS		NS		0.206	U	0.206	U	NS	U
	15-Oct-10	NS		0.206	U	NS		NS		0.206	U	NS		0.206	U	0.206	U	0.206	U	NS		0.206	U
	26-Jan-11	2.060	U	0.206	U	NS		0.206	U	NS		1.030	U	NS		1.030	U	1.030	U	1.030	U	NS	U
	28-Feb-11	NS		NS		2.060	U	NS		NS		NS		NS		NS		NS		NS		NS	U
	27-Apr-11	NS		0.206	U	NS		NS		0.206	U	NS		0.206	U	0.206	U	0.206	U	NS		0.206	U
26-Jul-11	0.690	U	NS		0.690	U	0.207	U	NS		1.030	U	NS		NS		0.207	U	1.030	U	NS	U	
28-Oct-11	NS		5.200	U	NS		NS		5.200	U	NS		5.200	U	5.200	U	5.200	U	NS		5.200	U	
23-Jan-12	1.000	U	NS		1.000	U	1.000	U	NS		1.000	U	NS		NS		1.000	U	1.000	U	NS	U	
13-Apr-12	NS		1.000	U	NS		NS		1.000	U	NS		1.000	U	1.000	U	NS		NS		1.000	U	
2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		5.200		NS	U	
23-Jun-12	1.000	U	NS		1.000	U	1.000	U	NS		1.000	U	NS		NS		1.000	U	1.000	U	NS	U	
2-Butanone	8-Feb-08	126.000		NS		NS		NS		1.470	U	NS		NS		NS		3.080		10.600		NS	
	27-Mar-08	NS		226.000		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		591.000		2.270		3.040		NS	
	27-Jun-08	1080.000		NS		NS		NS		596.000		NS		NS		NS		NS		6.920		3.640	
	31-Jul-08	NS		1350.000		NS		NS		NS		NS		NS		NS		12.000		NS		2.560	
	28-Aug-08	NS		NS		8380.000		NS		NS		NS		102.000		NS		5.290		9.180		NS	
	30-Sep-08	NS		NS		NS		101.000		NS		NS		NS		194.000		NS		2.000		1.500	U
	27-Oct-08	53.500		NS		NS		NS		30.500		NS		NS		NS		2.400		NS		5.700	
	25-Nov-08	NS		802.000		NS		NS		NS		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		209.000		NS		NS		NS		24.000		1.500	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		926.000		NS		NS		NS		29.100		NS		NS		NS		2.660		3.020	
	29-Apr-09	NS		NS		12400.000		NS		NS		NS		38.100		NS		1.470	U	NS		3.060	
	22-Jul-09	433.000		NS		433.000		410.000		NS		151.000		NS		NS		21.600		2.800		NS	
	9-Oct-09	NS		289.000		NS	</																

Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2012

Volatile Organic Compounds via TO-15	Sample Date	MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3	
		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual	
n-Butylbenzene	8-Feb-08	2.740	U	NS		NS		NS		2.740	U	NS		NS		NS		2.740	U	2.740	U	NS	U
	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	NS		2.740	U
	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		NS		2.740	U	NS	U
	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	5.500	U	NS	U
	18-Dec-08	NS		NS		5.500	U	NS		NS		NS		5.500	U	NS		NS		NS		5.500	U
	21-Jan-09	NS		NS		NS		5.500	U	NS		NS		NS		5.500	U	NS		NS		5.500	U
	25-Feb-09	5.500	U	NS		NS		NS		5.500	U	NS		NS		NS		5.500	U	5.500	U	NS	U
	26-Mar-09	NS		13.700	U	NS		NS		NS		NS		27.400	U	NS		NS		NS		2.740	U
	29-Apr-09	NS		NS		2.740	U	NS		NS		NS		NS		2.740	U	NS		NS		NS	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	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	NS		2.740	U
	15-Jan-10	2.740	U	NS		2.740	U	2.740	U	NS		2.740	U	NS		NS		2.740	U	2.740	U	NS	U
	21-Apr-10	NS		2.740	U	NS		NS		13.700	U	NS		13.700	U	NS		13.700	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	U
	15-Oct-10	NS		2.740	U	NS		NS		2.740	U	NS		2.740	U	NS		2.740	U	NS		2.740	U
	26-Jan-11	27.400	U	2.740	U	NS		2.740	U	NS		NS		13.700	U	NS		13.700	U	13.700	U	NS	U
	28-Feb-11	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U
	27-Apr-11	NS		2.745	U	NS		NS		2.740	U	NS		2.740	U	NS		2.740	U	NS		2.740	U
	26-Jul-11	9.170	U	NS		9.170	U	2.740	U	NS		13.700	U	NS		NS		2.740	U	13.700	U	NS	U
	28-Oct-11	NS		7.900	U	NS		NS		7.900	U	NS		7.900	U	7.900	U	7.900	U	NS		7.900	U
23-Jan-12	1.600	U	NS		1.600	U	NS		1.600	U	NS		NS		NS		1.600	U	1.600	U	NS	U	
13-Apr-12	NS		1.600	U	NS		NS		NS		NS		NS		NS		NS		NS		NS	U	
2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		7.900	U	
23-Jun-12	1.600	U	NS		1.600	U	NS		NS		NS		NS		NS		NS		1.600	U	NS	U	
sec-Butylbenzene	8-Feb-08	2.740	U	NS		NS		NS		2.740	U	NS		NS		NS		2.740	U	2.740	U	NS	U
	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	NS		NS	U
	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	NS		NS	U
	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	U
	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	NS		NS		5.500	U
	25-Feb-09	5.500	U	NS		NS		NS		5.500	U	NS		NS		NS		5.500	U	5.500	U	NS	U
	26-Mar-09	NS		13.700	U	NS		NS		NS		27.400	U	NS		NS		NS		NS		2.740	U
	29-Apr-09	NS		NS		2.740	U	NS		NS		NS		2.740	U	NS		NS		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	U
	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	2.740	U	NS		2.740	U	2.740	U	NS		2.740	U	NS		NS		2.740	U	2.740	U	NS	U
	21-Apr-10	NS		2.740	U	NS		NS		13.700	U	NS		13.700	U	NS		13.700	U	NS		2.740	U
	16-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	U
	15-Oct-10	NS		2.740	U	NS		NS		2.740	U	NS		2.740	U	NS		2.740	U	NS		2.740	U
	26-Jan-11	27.400	U	2.740	U	NS		2.740	U	NS		13.700	U	NS		13.700	U	13.700	U	13.700	U	NS	U
	28-Feb-11	NS		NS		27.400	U	NS		NS		NS		NS		NS		NS		NS		NS	U
	27-Apr-11	NS		2.740	U	NS		NS		2.740	U	NS		2.740	U	NS		2.740	U	NS		2.470	U
	26-Jul-11	9.170	U	NS		9.170	U	2.740	U	NS		13.700	U	NS		NS		2.740	U	13.700	U	NS	U
	28-Oct-11	NS		6.300	U	NS		NS		6.300	U	NS		6.300	U	6.300	U	6.300	U	NS		6.300	U
23-Jan-12	1.300	U	NS		1.300	U	NS		1.300	U	NS		NS		NS		1.300	U	1.300	U	NS	U	
13-Apr-12	NS		1.300	U	NS		NS		NS		NS		NS		NS		NS		NS		1.300	U	
2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		6.300	U	
23-Jun-12	1.300	U	NS		1.300	U	NS		1.300	U	NS		NS		NS		NS		1.300	U	NS	U	
Carbon tetrachloride	8-Feb-08	0.440		NS		NS		NS		0.460		NS		NS		NS		0.530		0.450		NS	
	27-Mar-08	NS		0.539		NS		NS		NS		0.477		NS		NS		NS		0.576		0.574	
	25-Apr-08	NS		NS		0.417		NS		NS		NS		0.448		NS		0.459		NS		0.448	
	29-May-08	NS		NS		NS		0.460		NS		NS		NS		0.460		0.470		0.460		NS	
	27-Jun-08	0.478		NS		NS		NS		0.506		NS		NS		NS		NS		0.533		0.553	
	31-Jul-08	NS		0.576		NS		NS		NS		NS		NS		NS		0.548		NS		0.495	
	28-Aug-08	NS		NS		0.515		NS		NS		NS		0.549		NS		0.567		0.563		NS	
	30-Sep-08	NS		NS		NS		0.511		NS		NS		NS		0.577		NS		0.451		0.469	
	27-Oct-08	0.480		NS		NS		NS		0.360		NS		NS		NS		0.410		NS		0.560	
	25-Nov-08	NS		0.500		NS		NS		NS		0.420		NS		NS		0.300		0.440		NS	
	18-Dec-08	NS		NS		0.230		NS		NS		NS		0.280		NS		NS		0.480		0.460	
	21-Jan-09	NS		NS		NS		0.360		NS		NS		NS		0.470		NS		NS		0.670	
	25-Feb-09	0.390		NS		NS		NS		0.360		NS		NS		NS		0.370		0.360		NS	
	26-Mar-09	NS		0.629	U	NS		NS		NS		1.260	U	NS		NS		NS		0.601		0.565	
	29-Apr-09	NS		NS		0.484		NS		NS		NS		0.528		NS		0.522		NS		0.654	
	22-Jul-09	0.629	U	NS		25.600	U	1.260	U	NS		0.629	U	NS		NS		0.515		0.503		NS	
	9-Oct-09	NS		0.691		NS		NS		0.666		NS		0.465		26.200	U	0.710		NS		0.691	
	15-Jan-10	0.427		NS		0.647		0.509		NS		NS		0.541		NS		NS		0.541		NS	
	21-Apr-10	NS		0.126		NS		NS		0.629		NS	U	NS		0.629	U	0.610		NS			

**Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2012**

Volatile Organic Compounds via TO-15	Sample Date	MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3		
		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		
Chlorobenzene	8-Feb-08	0.090	U	NS		NS		NS		0.090	U	NS		NS		NS		0.090	U	0.090	U	NS	U	
	27-Mar-08	NS		0.052	U	NS		NS		NS		0.092	U	NS		NS		NS		0.092	U	0.092	U	
	25-Apr-08	NS		NS		0.092	U	NS		NS		NS		0.092	U	NS		0.092	U	NS		0.092	U	
	29-May-08	NS		NS		NS		0.090	U	NS		NS		NS		0.090	U	NS		0.090	U	NS	U	
	27-Jun-08	0.207		NS		NS		NS		0.092	U	NS		NS		NS		NS		0.092	U	0.092	U	
	31-Jul-08	NS		0.092	U	NS		NS		NS		NS		NS		NS		0.092	U	NS		0.092	U	
	28-Aug-08	NS		NS		0.092	U	NS		NS		NS		0.092	U	NS		0.092	U	0.092	U	NS	U	
	30-Sep-08	NS		NS		NS		2.300	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		NS		2.300	U	2.300	U	2.300	U	
	18-Dec-08	NS		NS		2.300	U	NS		NS		NS		2.300	U	NS		NS		2.300	U	2.300	U	
	21-Jan-09	NS		NS		NS		2.300	U	NS		NS		NS		2.300	U	2.300	U	NS		2.300	U	
	25-Feb-09	2.300	U	NS		NS		NS		2.300	U	NS		NS		NS		2.300	U	2.300	U	NS	U	
	26-Mar-09	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		NS		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	U	
	9-Oct-09	NS		0.092	U	NS		NS		0.092	U	NS		0.092	U	19.200	U	0.092	U	NS		0.092	U	
	15-Jan-10	0.092	U	NS		0.092	U	0.092	U	0.092	U	NS		0.092	U	NS		0.092	U	0.092	U	NS	U	
	21-Apr-10	NS		0.092	U	NS		NS		0.460	U	NS		0.460	U	0.460	U	0.092	U	NS		NS	0.092	U
	16-Jul-10	0.092	U	NS		0.092	U	0.212	U	NS		0.695	U	NS		NS		0.092	U	0.092	U	NS	U	
	15-Oct-10	NS		0.092	U	NS		NS		0.129	U	NS		0.106	U	0.101	U	0.092	U	NS		NS	0.101	U
	26-Jan-11	0.920	U	0.092	U	NS		0.092	U	NS		0.460	U	NS		0.460	U	0.460	U	0.460	U	NS	U	
	28-Feb-11	NS		NS		0.920	U	NS		NS		NS		NS		NS		NS		NS		NS	U	
	27-Apr-11	NS		0.092	U	NS		NS		0.092	U	NS		0.092	U	0.092	U	0.092	U	NS		NS	0.092	U
	26-Jul-11	0.307	U	NS		0.307	U	0.092	U	NS		0.460	U	NS		NS		0.092	U	0.460	U	NS	U	
	28-Oct-11	NS		2.300	U	NS		NS		2.300	U	NS		2.300	U	2.300	U	2.300	U	NS		2.300	U	
23-Jan-12	0.460	U	NS		0.460	U	0.460	U	0.460	U	NS		0.460	U	NS		0.460	U	12.000		NS	U		
13-Apr-12	NS		0.460	U	NS		NS		NS		0.460	U	NS		0.460	U	0.460	U	NS		NS	0.460	U	
2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		2.300		NS	U		
23-Jun-12	0.460	U	NS		0.460	U	0.460	U	NS		0.460	U	NS		NS		NS		0.460	U	NS	U		
Chloroethane	8-Feb-08	0.050	U	NS		NS		NS		0.050	U	NS		NS		NS		0.050	U	0.050	U	NS	U	
	27-Mar-08	NS		0.053	U	NS		NS		NS		0.053	U	NS		NS		NS		0.053	U	0.053	U	
	25-Apr-08	NS		NS		0.053	U	NS		NS		0.139		NS		NS		0.053	U	NS		0.053	U	
	29-May-08	NS		NS		NS		0.110		NS		NS		NS		0.100		0.070		NS		NS	U	
	27-Jun-08	0.082	U	NS		NS		NS		0.132		NS		NS		NS		NS		0.053	U	0.053	U	
	31-Jul-08	NS		0.053	U	NS		NS		NS		NS		NS		NS		0.053	U	NS		0.053	U	
	28-Aug-08	NS		NS		0.053	U	NS		NS		0.153		NS		0.053	U	0.075		NS		NS	U	
	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		1.600	U	
	25-Nov-08	NS		1.300	U	NS		NS		NS		1.300	U	NS		NS		1.300	U	1.300	U	NS	U	
	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	NS		NS		1.300	U	
	25-Feb-09	1.300	U	NS		NS		NS		1.300	U	NS		NS		NS		1.300	U	1.300	U	NS	U	
	26-Mar-09	NS		0.264	U	NS		NS		NS		0.527	U	NS		NS		NS		NS		0.121		
	29-Apr-09	NS		NS		0.137		NS		NS		NS		0.063		NS		NS		0.053	U	NS	0.063	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	U	
	9-Oct-09	NS		0.053	U	NS		NS		0.058		NS		0.406		11.000	U	0.053	U	NS		0.053	U	
	15-Jan-10	0.053	U	NS		0.074		0.066		NS		0.053		NS		NS		0.053	U	0.053	U	NS	U	
	21-Apr-10	NS		0.074		NS		0.264		NS		0.303		0.303		0.303		0.053	U	NS		NS	0.116	U
	16-Jul-10	0.100		NS		2.550		0.166		NS		0.398	U	NS		NS		0.053	U	0.087		NS	U	
	15-Oct-10	NS		0.053	U	NS		NS		0.082		NS		0.071		0.053	U	0.053	U	NS		NS	0.053	U
	26-Jan-11	0.527	U	0.053	U	NS		0.077		NS		0.264	U	NS		0.264	U	0.264	U	0.264	U	NS	U	
	28-Feb-11	NS		NS		.527	U	NS		NS		NS		NS		NS		NS		NS		NS	U	
	27-Apr-11	NS		0.053	U	NS		NS		0.079		NS		0.082		0.053	U	0.053	U	NS		NS	0.053	U
	26-Jul-11	0.176	U	NS		0.176	U	0.116	U	NS		0.264	U	NS		NS		0.053	U	0.264	U	NS	U	
	28-Oct-11	NS		1.300	U	NS		NS		1.300	U	NS		NS		1.300	U	1.300	U	NS		NS	1.300	U
23-Jan-12	0.260	U	NS		0.260	U	0.260	U	0.260	U	NS		0.260	U	NS		0.260	U	0.260	U	NS	U		
13-Apr-12	NS		0.260	U	NS		NS		NS		0.260	U	NS		0.260	U	0.260	U	NS		NS	0.260	U	
2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		1.300		NS	U		
23-Jun-12	0.260	U	NS		0.260	U	0.260	U	NS		0.260	U	NS		NS		NS		0.260	U	NS	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	0.263		NS		NS		NS		0.623		NS		NS		NS		NS		0.305		0.395		
	31-Jul-08	NS		0.145		NS		NS		NS		NS		NS		NS		0.130		NS		0.124		
	28-Aug-08	NS		NS		0.098	U	NS		NS		NS		1.200		NS		0.331						

**Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2012**

Volatile Organic Compounds via TO-15	Sample Date	MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3	
		MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual
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		2.670		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		1,000	U	NS		1,000	U	NS		NS		1,000	U	NS		1,000	U	1,000	U
	27-Oct-08	1.000	U	NS		NS		NS		NS		1,000	U	NS		NS		1.100		NS		3.500	U
	25-Nov-08	NS		1.000	U	NS		NS		NS		1,000	U	NS		NS		1.000	U	1,000	U	1,000	U
	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		NS		24.400	U	NS		NS		4.580		2.440	U
	29-Apr-09	NS		NS		22.400		NS		NS		NS		19.400		NS		NS		2.440	U	NS	
	22-Jul-09	18.500		NS		497.000	U	32.000		NS		41.900		NS		NS		NS		2.440	U	6.290	
	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
	16-Jul-10	1.320		NS		62.800		1.480		NS		7.790	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
	26-Jan-11	10.300	U	1.030	U	NS		1.030	U	NS		5.160	U	NS		5.160	U	5.160	U	5.160	U	NS	
	28-Feb-11	NS		NS		10.300	U	NS		NS		NS		NS		NS		NS		NS		NS	
27-Apr-11	NS		1.230		NS		NS		1.030	U	NS		1.030	U	1.180		NS		NS		NS		
26-Jul-11	3.450	U	NS		3.450	U	1.030	U	NS		5.160	U	NS		NS		1.030	U	5.160	U	NS		
28-Oct-11	NS		1.000	U	NS		NS		1,000	U	NS		1,000	U	1,000	U	1,000	U	NS		1,200	U	
23-Jan-12	0.210	U	NS		0.210	U	0.210	U	0.210	U	0.210	U	NS		NS		1.200	U	0.210	U	NS		
13-Apr-12	NS		0.210	U	NS		NS		NS	U	NS		NS	U	NS	U	1.200	U	NS		0.970	U	
2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		1.100		NS		
23-Jun-12	0.210	U	NS		0.210	U	0.210	U	NS		2.100		NS		NS		0.210	U	NS		NS		
Dibromochloromethane	8-Feb-08	0.100	U	NS		NS		NS		0.100	U	NS		NS		NS		0.100	U	0.100	U	NS	
	27-Mar-08	NS		0.096	U	NS		NS		NS		0.096	U	NS		NS		NS		0.096	U	0.096	U
	25-Apr-08	NS		NS		0.096	U	NS		NS		NS		0.096	U	NS		0.096	U	NS		0.096	U
	29-May-08	NS		NS		NS		0.100	U	NS		NS		NS		0.100	U	0.100	U	0.100	U	NS	
	27-Jun-08	0.150	U	NS		NS		NS		0.096	U	NS		NS		NS		NS		0.096	U	0.096	U
	31-Jul-08	NS		0.096	U	NS		NS		NS		NS		NS		NS		0.096	U	NS		0.096	U
	28-Aug-08	NS		NS		0.096	U	NS		NS		NS		0.096	U	NS		0.096	U	NS		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		4.200	U	NS		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	NS		NS		4.200	U
	25-Feb-09	4.200	U	NS		NS		NS		4.200	U	NS		NS		NS		4.200	U	4.200	U	NS	
	26-Mar-09	NS		0.480	U	NS		NS		NS		0.960		NS		NS		NS		0.096	U	0.096	U
	29-Apr-09	NS		NS		0.096	U	NS		NS		NS		NS		NS		NS		0.096	U	NS	
	22-Jul-09	0.480	U	NS		19.600	U	0.960	U	NS		0.480	U	NS		NS		0.096	U	0.096	U	NS	
	9-Oct-09	NS		0.096	U	NS		NS		NS	U	NS		NS		20.000	U	0.096	U	NS		0.096	U
	15-Jan-10	0.096	U	NS		0.096	U	0.096	U	NS		0.096	U	NS		NS		0.096	U	0.096	U	NS	
	21-Apr-10	NS		0.096	U	NS		NS		0.480	U	NS		0.480	U	NS		0.096	U	NS		0.096	U
	16-Jul-10	0.170	U	NS		0.170	U	0.170	U	NS		1.280	U	NS		NS		0.170	U	0.170	U	NS	
	15-Oct-10	NS		0.170	U	NS		NS		0.170	U	NS		0.170	U	NS		0.170	U	NS		0.170	U
	26-Jan-11	1.700	U	0.170	U	NS		0.170	U	NS		0.851	U	NS		0.851	U	0.851	U	0.851	U	NS	
	28-Feb-11	NS		NS		1.700	U	NS		NS		NS		NS		NS		NS		NS		NS	
27-Apr-11	NS		0.170	U	NS		NS		0.170	U	NS		0.170	U	0.170	U	0.170	U	NS		0.170	U	
26-Jul-11	0.568	U	NS		0.568	U	0.170	U	NS		0.852	U	NS		NS		0.170	U	0.852	U	NS		
28-Oct-11	NS		4.300	U	NS		NS		4.300	U	NS		4.300	U	4.300	U	4.300	U	NS		4.300	U	
23-Jan-12	0.850	U	NS		0.850	U	0.850	U	NS		0.850	U	NS		NS		0.850	U	0.850	U	NS		
13-Apr-12	NS		0.850	U	NS		NS		NS	U	NS		NS	U	NS	U	0.850	U	NS		0.850	U	
2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		2.100		NS		
23-Jun-12	0.850	U	NS		0.850	U	0.850	U	NS		0.850	U	NS		NS		0.850	U	NS		NS		
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		NS		NS		0.154	U	NS		0.154	U
	29-May-08	NS		NS		NS		0.150	U	NS		NS		NS		0.150	U	0.150	U	NS		NS	
	27-Jun-08	0.239	U	NS		NS		NS		0.154	U	NS		NS		NS		NS		0.154	U	0.154	U
	31-Jul-08	NS		0.154	U	NS		NS		NS		NS		NS		NS		0.154	U	NS		0.154	U
	28-Aug-08	NS		NS		0.154	U	NS		NS		NS		0.154	U	NS		0.154	U	NS		NS	
	30-Sep-08	NS		NS																			

**Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2012**

Volatile Organic Compounds via TO-15	Sample Date	MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual
1,2-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		0.120	U	NS		NS		NS		0.120	U	0.120		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		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		NS	
	30-Sep-08	NS		NS		NS		3,000	U	NS		NS		NS		3,000	U	NS		3,000		3,000	U
	27-Oct-08	3,000	U	NS		NS		NS		3,000	U	NS		NS		NS		3,000	U	NS		3,000	U
	25-Nov-08	NS		3,000	U	NS		NS		NS		3,000	U	NS		NS		3,000	U	3,000		3,000	U
	18-Dec-08	NS		NS		3,000	U	NS		NS		NS		3,000	U	NS		NS		3,000		3,000	U
	21-Jan-09	NS		NS		NS		3,000	U	NS		NS		NS		3,000	U	3,000		NS		3,000	U
	25-Feb-09	3,000	U	NS		NS		NS		3,000	U	NS		NS		NS		3,000	U	3,000		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		NS		0.120	U	NS	
	22-Jul-09	0.601	U	NS		24,000	U	1,200	U	NS		0.601	U	NS		NS		0.120	U	0.120		NS	
	9-Oct-09	NS		0.120	U	NS		NS		0.120	U	NS		0.120	U	25,100	U	0.120	U	NS		0.120	U
	15-Jan-10	0.120	U	NS		0.120	U	0.120	U	NS		0.120	U	NS		NS		0.120	U	0.120		NS	
	21-Apr-10	NS		0.120	U	NS		NS		0.601	U	NS		0.601	U	0.601	U	0.120	U	NS		0.120	U
	16-Jul-10	0.120	U	NS		0.120	U	0.120	U	NS		0.907	U	NS		NS		0.120	U	1,200		NS	
	15-Oct-10	NS		0.120	U	NS		NS		0.120	U	NS		NS		0.120	U	0.120	U	NS		0.120	U
	26-Jan-11	1,200	U	0.120	U	NS		0.120	U	NS		0.601	U	NS		0.601	U	0.601	U	0.601		NS	
	28-Feb-11	NS		NS		1,200	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.120	U	NS		NS		0.120	U	NS		NS		0.120	U	NS		NS		0.120	U
	26-Jul-11	0.401	U	NS		0.401	U	0.120	U	NS		0.601	U	NS		NS		0.120	U	0.601		NS	
28-Oct-11	NS		3,000	U	NS		NS		3,000	U	NS		3,000	U	3,000	U	3,000		NS		3,000	U	
23-Jan-12	0.600	U	NS		0.600	U	0.100	U	NS		0.600	U	NS		NS		0.600	U	7,500		NS		
13-Apr-12	NS		0.600	U	NS		NS		0.600	U	NS		0.600	U	0.600	U	0.600	U	NS		0.600	U	
2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		3,000	U	
23-Jun-12	0.600	U	NS		0.600	U	0.600	U	NS		0.600	U	NS		NS		0.600	U	0.600		NS		
1,3-Dichlorobenzene	8-Feb-08	0.120	U	NS		NS		NS		0.120	U	NS		NS		NS		0.120	U	0.120		NS	
	27-Mar-08	NS		0.120	U	NS		0.600		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		3,470		0.620		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		0.136		NS		0.120	U
	28-Aug-08	NS		NS		0.120	U	NS		NS		NS		0.120	U	NS		0.120	U	0.120		NS	
	30-Sep-08	NS		NS		NS		3,000	U	NS		NS		NS		3,000	U	NS		3,000		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		3,000	U	NS		NS		NS		3,000	U	3,000		NS	
	18-Dec-08	NS		NS		3,000	U	NS		NS		NS		3,000	U	NS		NS		3,000		3,000	U
	21-Jan-09	NS		NS		NS		3,000	U	NS		NS		NS		3,000	U	NS		NS		3,000	U
	25-Feb-09	3,000	U	NS		NS		NS		3,000	U	NS		NS		NS		3,000	U	3,000		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		NS		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	0.360		NS	
	9-Oct-09	NS		0.120	U	NS		NS		0.120	U	NS		0.120	U	25,100	U	0.120	U	NS		0.120	U
	15-Jan-10	0.120	U	NS		0.120	U	0.120	U	NS		0.120	U	NS		NS		0.120	U	0.120		NS	
	21-Apr-10	NS		0.120	U	NS		NS		0.601	U	NS		0.601	U	0.601	U	0.120	U	NS		0.120	U
	16-Jul-10	0.595	U	NS		0.685		1,990		NS		0.907	U	NS		NS		0.132		0.162		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
	26-Jan-11	1,200	U	0.120	U	NS		0.120	U	NS		0.601	U	NS		0.601	U	0.601	U	0.601		NS	
	28-Feb-11	NS		NS		1,200	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.120	U	NS		NS		NS		0.420	U	NS		0.156		0.120	U	NS		0.120	U
	26-Jul-11	0.401	U	NS		0.401	U	0.120	U	NS		0.601	U	NS		NS		0.120	U	0.601		NS	
28-Oct-11	NS		3,000	U	NS		NS		3,000	U	NS		3,000	U	3,000	U	3,000		NS		3,000	U	
23-Jan-12	1,600	U	NS		1,800		2,300		NS		1,600	U	NS		NS		1,900		2,700		NS		
13-Apr-12	NS		0.600	U	NS		NS		0.600	U	NS		0.600	U	2,000	U	NS		NS		0.600	U	
2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		3,000	U	
23-Jun-12	0.600	U	NS		0.600	U	0.600	U	NS		0.600	U	NS		NS		0.600	U	0.600		NS		
1,4-Dichlorobenzene	8-Feb-08	1,560		NS		NS		NS		0.260		NS		NS		NS		9,500		7,910		NS	
	27-Mar-08	NS		4,330		NS		NS		NS		8,480		NS		NS		NS		6,280		15,100	
	25-Apr-08	NS		NS		0.347		NS		NS		NS		32,300		NS		17,900		NS		16,300	
	29-May-08	NS		NS		NS		5,500		NS		NS		NS		10,000		9,410		4,180		NS	
	27-Jun-08	47,300		NS		NS		NS		NS		38,100		NS		NS		NS		40,800		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		214,000		NS		229,000		208,000		NS	
	30-Sep-08	NS		NS		NS		7,200		NS		NS		NS		3,000	U	NS		6,800		5,600	
	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		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		NS		3,000	U	NS		NS		3,000	U	3,000		NS	
	26-Mar-09	NS		5,430		NS		*		NS		4,870		NS		NS		NS		20,600		33,000	
	29-Apr-09	NS		NS		1,200		NS		NS		NS		1,910		NS		4,120		NS		4,250	
	22-Jul-09	0.601	U	NS		24,500	U	1,200	U	NS		0.601	U	NS		NS		0.348		0.613		NS	
	9-Oct-09	NS		3,310		NS		NS		NS		3,440		NS		25,100	U	6,950		NS		3,620	
	15-Jan-10	0.120	U	NS		1,060		0,715		NS	</												

Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2012

Volatile Organic Compounds via TO-15	Sample Date	MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3	
		Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual
Dichlorodifluoromethane	8-Feb-08	2.000		NS		NS		NS		2.030		NS		NS		NS		1.920		2.000		NS	
	27-Mar-08	NS		2.290		NS		NS		2.150		NS		NS		NS		NS		2.720		NS	4.140
	25-Apr-08	NS		NS		2.010		NS		NS		NS		2.110		NS		2.040		NS		2.160	
	29-May-08	NS		NS		NS		1.630		NS		NS		NS		1.620		NS		1.660		NS	
	27-Jun-08	2.030		NS		NS		NS		2.520		NS		NS		NS		NS		2.270		NS	2.480
	31-Jul-08	NS		1.900		NS		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		2.460		NS	2.410
	29-Apr-09	NS		NS		2.410		NS		NS		NS		3.780		NS		2.260		NS		NS	2.400
	22-Jul-09	2.420		NS		2.420		2.720		NS		2.500		NS		NS		2.370		2.480		NS	
	9-Oct-09	NS		2.730		NS		NS		2.770		NS		3.670		51.600	U	2.640		NS		2.790	
	15-Jan-10	2.500		NS		3.570		2.520		NS		2.610		NS		NS		2.290		2.250		NS	
	21-Apr-10	NS		0.568		NS		NS		2.200		NS		2.590		2.200		2.640		NS		2.430	
	16-Jul-10	3.360		NS		2.610		2.550		NS		2.980		NS		NS		3.150		3.290		NS	
	15-Oct-10	NS		3.130		NS		NS		2.670		NS		2.430		2.410		2.460		NS		2.430	
	26-Jan-11	2.470	U	2.200		NS		2.640		NS		1.980		NS		2.570		3.310		3.240		NS	
	28-Feb-11	NS		NS		2.470	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		2.180		NS		NS		2.270		NS		2.260		2.500		2.320		NS		NS	2.310
	26-Jul-11	2.410		NS		2.290		2.280		NS		2.080		NS		NS		2.440		2.300		NS	
	28-Oct-11	NS		2.700		NS		NS		2.700		NS		2.700		2.700		2.900		NS		3.100	
23-Jan-12	2.500		NS		2.600		2.600		NS		2.700		NS		NS		2.600		2.600		NS		
13-Apr-12	NS		2.500		NS		NS		2.900		NS		2.400		3.200		2.500		NS		2.800		
2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		2.800		NS		
23-Jun-12	2.600		NS		2.300		2.500		NS		2.300		NS		NS		2.300		NS		2.300		
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		0.081	U
	29-May-08	NS		NS		NS		0.080	U	NS		NS		NS		0.080	U	NS		0.080	U	NS	
	27-Jun-08	0.126	U	NS		NS		NS		0.081	U	NS		NS		NS		NS		0.081	U	NS	
	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	NS		NS	
	27-Oct-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	NS		NS		2.000	U
	25-Feb-09	2.000	U	NS		NS		NS		2.000	U	NS		NS		NS		2.000	U	2.000	U	NS	
	26-Mar-09	NS		0.404	U	NS		NS		NS		0.809	U	NS		NS		NS		0.081	U	0.081	U
	29-Apr-09	NS		NS		0.190		NS		NS		NS		0.081	U	NS		NS		0.121		NS	0.081
	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		2.480		0.081	U	NS		0.611	U	NS		NS		0.081	U	0.081	U	NS	
	15-Oct-10	NS		0.081	U	NS		NS		0.081	U	NS		0.081	U	0.081	U	0.081	U	NS		0.081	U
	26-Jan-11	0.809	U	0.081	U	NS		0.081	U	NS		7.370	U	NS		0.404	U	0.404	U	0.404	U	NS	
	28-Feb-11	NS		NS		0.809	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.081	U	NS		NS		0.081	U	NS		0.081	U	0.081	U	0.081	U	NS		0.081	U
	26-Jul-11	0.270	U	NS		0.270	U	0.081	U	NS		0.405	U	NS		NS		0.081	U	0.405	U	NS	
	28-Oct-11	NS		2.000	U	NS		NS		2.000	U	NS		2.000	U	2.000	U	2.000	U	NS		2.000	U
23-Jan-12	0.400	U	NS		0.400	U	0.400	U	NS		0.400	U	NS		NS		0.400	U	0.400	U	NS		
13-Apr-12	NS		0.200	U	NS		NS		0.200	U	NS		0.200	U	0.200	U	0.200	U	NS		0.200	U	
2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		1.000	U	NS		
23-Jun-12	0.400	U	NS		0.400	U	0.400	U	NS		0.400	U	NS		NS		0.400	U	0.400	U	NS		
1,2-Dichloroethane	8-Feb-08	0.080	U	NS		NS		NS		0.080	U	NS		NS		NS		0.090		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		NS		NS		0.089	
	29-May-08	NS		NS		NS		0.080		NS		NS		NS		0.110		0.080	U	NS		NS	
	27-Jun-08	0.126	U	NS		NS		NS		0.153		NS		NS		NS		NS		0.110		0.081	U
	31-Jul-08	NS		0.081	U	NS		NS		NS		NS		NS		NS		0.081	U	NS		0.081	U
	28-Aug-08	NS		NS		0.171		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		0.095	
	25-Nov-08	NS		0.080	U	NS		NS		NS		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		0.080	U	0.080	U
	21-Jan-09	NS		NS		NS		0.080	U	NS		NS		NS		0.080	U	NS		NS		0.080	U
	25-Feb-09	0.080	U	NS		NS		NS		0.080	U	NS		NS		NS		0.080	U	0.080	U	NS	
	26-Mar-09	NS		0.404	U	NS		NS		NS		0.809	U	NS		NS		NS		0.098		0.133	
	29-Apr-09	NS		NS		0.319		NS		NS		NS		0.081	U	NS		NS		NS		0.089	
	22-Jul-09	0.404	U	NS		16.500	U	0.809	U	NS		0.404	U	NS		NS		0.081	U	0.081	U	NS	
	9-Oct-09	NS		0.081	U	NS		NS		0.081	U	NS		0.081	U	16.900	U	0.081	U	NS		0.081	U
	15-Jan-10	0.081	U	NS		0.081	U	0.081	U	NS		0.081	U	NS		NS		0.081	U	0.081	U</		

Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2012

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-Dichloroethene	8-Feb-08	0.080	U	NS		NS		NS		0.080	U	NS		NS		NS		0.080	U	0.080	U
	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	U	0.079	U
	29-May-08	NS		NS		NS		0.080	U	NS		NS		NS		0.080	U	0.080	U	NS	U	NS	U
	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	U	0.079	U
	28-Aug-08	NS		NS		0.079	U	NS		NS		NS		0.079	U	NS		0.079	U	0.079	U	NS	U
	30-Sep-08	NS		NS		NS		2.000	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	U	2.000	U
	25-Nov-08	NS		2.000	U	NS		NS		NS		2.000	U	NS		NS		2.000	U	2.000	U	2.000	U
	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	U	2.000	U
	25-Feb-09	2.000	U	NS		NS		NS		2.000	U	NS		NS		NS		2.000	U	2.000	U	NS	U
	26-Mar-09	NS		0.396	U	NS		NS		NS		0.792	U	NS		NS		NS		0.079	U	0.079	U
	29-Apr-09	NS		NS		0.079	U	NS		NS		NS		0.079	U	NS		NS		NS	U	0.079	U
	22-Jul-09	0.396	U	NS		16.200	U	0.792	U	NS		0.396	U	NS		NS		0.079	U	0.079	U	NS	U
	9-Oct-09	NS		0.079	U	NS		NS		0.079	U	NS		0.079	U	16.500	U	0.079	U	NS	U	0.079	U
	15-Jan-10	0.137	U	NS		0.079	U	0.079	U	NS		0.079	U	NS		NS		0.079	U	0.079	U	NS	U
	21-Apr-10	NS		0.079	U	NS		NS		0.396	U	NS		0.396	U	0.396	U	0.079	U	NS	U	0.079	U
	16-Jul-10	0.079	U	NS		0.206	U	0.079	U	NS		0.598	U	NS		NS		0.079	U	0.079	U	NS	U
	15-Oct-10	NS		0.079	U	NS		NS		0.079	U	NS		0.079	U	NS		0.079	U	NS	U	0.079	U
	26-Jan-11	0.792	U	0.079	U	NS		0.079	U	NS		0.396	U	NS		3.960	U	0.396	U	0.396	U	NS	U
	28-Feb-11	NS		NS		0.792	U	NS		NS		NS		NS		NS		NS		NS	U	NS	U
	27-Apr-11	NS		0.079	U	NS		NS		0.079	U	NS		0.079	U	0.079	U	0.079	U	NS	U	0.079	U
	26-Jul-11	0.264	U	NS		0.264	U	0.079	U	NS		0.396	U	NS		NS		0.079	U	0.396	U	NS	U
	28-Oct-11	NS		2.000	U	NS		NS		2.000	U	NS		2.000	U	2.000	U	2.000	U	NS	U	2.000	U
	23-Jan-12	0.400	U	NS		0.400	U	0.400	U	NS		0.400	U	NS		NS		0.400	U	0.400	U	NS	U
	13-Apr-12	NS		0.200	U	NS		NS		0.200	U	NS		0.200	U	0.200	U	0.200	U	NS	U	0.200	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U	NS	U
	23-Jun-12	0.400	U	NS		0.400	U	0.400	U	NS		0.400	U	NS		NS		0.400	U	0.400	U	NS	U
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	U
	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	U	0.079	U
	29-May-08	NS		NS		NS		0.080	U	NS		NS		NS		0.080	U	0.080	U	NS	U	NS	U
	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	U	0.079	U
	28-Aug-08	NS		NS		0.079	U	NS		NS		NS		0.079	U	NS		0.079	U	0.079	U	NS	U
	30-Sep-08	NS		NS		NS		5.900	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	U	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	U
	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	U	2.000	U
	25-Feb-09	2.000	U	NS		NS		NS		2.000	U	NS		NS		NS		2.000	U	2.000	U	NS	U
	26-Mar-09	NS		0.396	U	NS		NS		NS		0.792	U	NS		NS		NS		0.079	U	0.079	U
	29-Apr-09	NS		NS		0.079	U	NS		NS		NS		0.079	U	NS		NS		NS	U	0.079	U
	22-Jul-09	0.396	U	NS		595.000	U	0.792	U	NS		0.396	U	NS		NS		0.079	U	0.079	U	NS	U
	9-Oct-09	NS		0.079	U	NS		NS		0.079	U	NS		0.079	U	16.500	U	0.079	U	NS	U	0.079	U
	15-Jan-10	0.079	U	NS		0.079	U	0.079	U	NS		0.079	U	NS		NS		0.079	U	0.079	U	NS	U
	21-Apr-10	NS		0.079	U	NS		NS		0.396	U	NS		0.396	U	0.396	U	0.079	U	NS	U	0.079	U
	16-Jul-10	0.079	U	NS		0.079	U	0.079	U	NS		0.598	U	NS		NS		0.079	U	0.079	U	NS	U
	15-Oct-10	NS		0.079	U	NS		NS		0.079	U	NS		0.079	U	NS		0.079	U	NS	U	0.079	U
	26-Jan-11	0.792	U	0.079	U	NS		0.079	U	NS		0.396	U	NS		0.396	U	0.396	U	0.396	U	NS	U
	28-Feb-11	NS		NS		0.792	U	NS		NS		NS		NS		NS		NS		NS	U	NS	U
	27-Apr-11	NS		0.079	U	NS		NS		0.079	U	NS		0.079	U	0.079	U	0.079	U	NS	U	0.079	U
	26-Jul-11	0.264	U	NS		0.264	U	0.079	U	NS		0.396	U	NS		NS		0.079	U	0.396	U	NS	U
	28-Oct-11	NS		2.000	U	NS		NS		2.000	U	NS		2.000	U	2.000	U	2.000	U	NS	U	2.000	U
	23-Jan-12	0.400	U	NS		0.400	U	0.400	U	NS		0.400	U	NS		NS		0.400	U	0.530	U	NS	U
	13-Apr-12	NS		0.200	U	NS		NS		0.200	U	NS		0.200	U	0.200	U	0.200	U	NS	U	0.200	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	U	NS	U
	23-Jun-12	0.400	U	NS		0.400	U	0.400	U	NS		0.400	U	NS		NS		0.400	U	0.400	U	NS	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	U
	27-Mar-08	NS		0.079	U	NS		NS		NS		0.079	U	NS		NS		NS		0.079	U	0.079	U
	25-Apr-08	NS		NS		0.079	U	NS		NS		NS		0.079	U	NS		NS		NS	U	0.079	U
	29-May-08	NS		NS		NS		0.080	U	NS		NS		NS		0.080	U	0.080	U	NS	U	NS	U
	27-Jun-08	0.123	U	NS		NS		NS		0.079	U	NS		NS		NS		NS		0.079	U	0.079	U
	3																						

**Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2012**

Volatile Organic Compounds via TO-15	Sample Date	MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual
1,2-Dichloropropane	8-Feb-08	0.090	U	NS		NS		NS		0.090	U	NS		NS		NS		0.090	U	0.090	U	NS	U
	27-Mar-08	NS		0.092	U	NS		NS		NS		0.092	U	NS		NS		NS		0.092	U	0.092	U
	25-Apr-08	NS		NS		0.092	U	NS		NS		NS		0.092	U	NS		0.092	U	NS		0.092	U
	29-May-08	NS		NS		NS		0.090	U	NS		NS		NS		0.090	U	NS		0.090	U	NS	U
	27-Jun-08	0.144	U	NS		NS		NS		0.092	U	NS		NS		NS		NS		0.092	U	0.092	U
	31-Jul-08	NS		0.092	U	NS		NS		NS		NS		NS		NS		0.092	U	NS		0.092	U
	28-Aug-08	NS		NS		0.092	U	NS		NS		NS		0.092	U	NS		0.092	U	0.092	U	NS	U
	30-Sep-08	NS		NS		NS		0.090	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	0.090	U
	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	NS		0.090	U	NS	U
	25-Feb-09	0.090	U	NS		NS		NS		0.090	U	NS		NS		NS		0.090	U	NS		0.090	U
	26-Mar-09	NS		0.462	U	NS		NS		NS		0.924	U	NS		NS		NS		0.092	U	0.092	U
	29-Apr-09	NS		NS		0.092	U	NS		NS		NS		0.092	U	NS		NS		NS		0.092	U
	22-Jul-09	0.462	U	NS		18.800	U	0.924	U	NS		0.462	U	NS		NS		0.092	U	0.092	U	NS	U
	9-Oct-09	NS		0.092	U	NS		NS		0.092	U	NS		0.092	U	19.300	U	0.092	U	NS		0.092	U
	15-Jan-10	0.092	U	NS		0.092	U	0.092	U	NS		0.092	U	NS		NS		0.092	U	0.092	U	NS	U
	21-Apr-10	NS		0.092	U	NS		NS		0.462	U	NS		0.462	U	0.462	U	0.092	U	NS		0.092	U
	16-Jul-10	0.092	U	NS		0.092	U	0.092	U	NS		0.698	U	NS		NS		0.092	U	0.092	U	NS	U
	15-Oct-10	NS		0.092	U	NS		NS		0.092	U	NS		NS		0.092	U	0.092	U	NS		0.092	U
	26-Jan-11	0.924	U	0.092	U	NS		0.092	U	NS		0.462	U	NS		0.462	U	0.462	U	0.462	U	NS	U
	28-Feb-11	NS		NS		0.924	U	NS		NS		NS		NS		NS		NS		NS		NS	U
	27-Apr-11	NS		0.092	U	NS		NS		0.092	U	NS		0.092	U	0.092	U	0.092	U	NS		0.092	U
	26-Jul-11	0.308	U	NS		0.308	U	0.092	U	NS		0.462	U	NS		NS		0.092	U	0.462	U	NS	U
	28-Oct-11	NS		2.300	U	NS		NS		2.300	U	NS		2.300	U	2.300	U	2.300	U	NS		2.300	U
	23-Jan-12	0.230	U	NS		0.230	U	0.230	U	NS		0.230	U	NS		NS		0.230	U	0.230	U	NS	U
13-Apr-12	NS		0.460	U	NS		NS		0.460	U	NS		0.460	U	0.460	U	0.460	U	NS		0.460	U	
2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		1.200	U	NS	U	
23-Jun-12	0.460	U	NS		0.460	U	0.460	U	NS		0.460	U	NS		NS		0.460	U	NS		0.460	U	
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	U
	27-Mar-08	NS		0.091	U	NS		NS		NS		0.091	U	NS		NS		NS		0.091	U	0.091	U
	25-Apr-08	NS		NS		0.091	U	NS		NS		NS		0.091	U	NS		0.091	U	NS		0.091	U
	29-May-08	NS		NS		NS		0.090	U	NS		NS		NS		0.090	U	NS		0.090	U	NS	U
	27-Jun-08	0.141	U	NS		NS		NS		0.091	U	NS		NS		NS		NS		0.091	U	0.091	U
	31-Jul-08	NS		0.091	U	NS		NS		NS		NS		NS		NS		0.091	U	NS		0.091	U
	28-Aug-08	NS		NS		0.091	U	NS		NS		NS		0.091	U	NS		0.091	U	0.091	U	NS	U
	27-Oct-08	NS		NS		NS		0.180	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		0.180	U	NS		NS		NS		0.180	U	0.180	U	NS	U
	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	NS		0.180	U	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	U
	26-Mar-09	NS		0.453	U	NS		NS		NS		0.907	U	NS		NS		NS		0.091	U	0.091	U
	29-Apr-09	NS		NS		0.091	U	NS		NS		NS		0.091	U	NS		NS		NS		0.091	U
	22-Jul-09	0.453	U	NS		18.500	U	0.907	U	NS		0.453	U	NS		NS		0.091	U	0.091	U	NS	U
	9-Oct-09	NS		0.091	U	NS		NS		0.091	U	NS		NS		18.900	U	0.091	U	NS		0.091	U
	15-Jan-10	0.091	U	NS		0.091	U	0.091	U	NS		0.091	U	NS		NS		0.091	U	0.091	U	NS	U
	21-Apr-10	NS		0.091	U	NS		NS		0.453	U	NS		0.453	U	0.453	U	0.091	U	NS		0.091	U
	16-Jul-10	0.091	U	NS		0.091	U	0.091	U	NS		0.685	U	NS		NS		0.091	U	0.091	U	NS	U
	15-Oct-10	NS		0.091	U	NS		NS		0.091	U	NS		NS		0.091	U	0.091	U	NS		0.091	U
	26-Jan-11	0.907	U	0.091	U	NS		0.091	U	NS		0.453	U	NS		0.453	U	0.453	U	0.453	U	NS	U
	28-Feb-11	NS		NS		0.907	U	NS		NS		NS		NS		NS		NS		NS		NS	U
	27-Apr-11	NS		0.091	U	NS		NS		0.091	U	NS		0.091	U	0.091	U	0.091	U	NS		0.091	U
	26-Jul-11	0.303	U	NS		0.303	U	0.091	U	NS		0.454	U	NS		NS		0.091	U	0.454	U	NS	U
	28-Oct-11	NS		2.300	U	NS		NS		2.300	U	NS		2.300	U	2.300	U	2.300	U	NS		2.300	U
	23-Jan-12	0.450	U	NS		0.450	U	0.450	U	NS		0.450	U	NS		NS		0.450	U	0.450	U	NS	U
13-Apr-12	NS		0.200	U	NS		NS		0.230	U	NS		0.230	U	0.230	U	0.230	U	NS		0.230	U	
2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		1.100	U	NS	U	
23-Jun-12	0.450	U	NS		0.450	U	0.450	U	NS		0.450	U	NS		NS		0.450	U	NS		0.450	U	
trans-1,3-Dichloropropene	8-Feb-08	0.090	U	NS		NS		NS		0.090	U	NS		NS		NS		0.090	U	0.090	U	NS	U
	27-Mar-08	NS		0.091	U	NS		NS		NS		0.091	U	NS		NS		NS		0.091	U	0.091	U
	25-Apr-08	NS		NS		0.091	U	NS		NS		NS		0.091	U	NS		NS		0.091	U	0.091	U
	29-May-08	NS		NS		NS		0.090	U	NS		NS		NS		0.090	U	NS		0.090	U	NS	U
	27-Jun-08	0.141	U	NS		NS		NS		0.091	U	NS		NS		NS		NS		0.091	U	0.091	U
	31-Jul-08	NS		0.091	U	NS		NS		NS		NS		NS		NS		0.091	U	NS		0.091	U
	28-Aug-08	NS		NS		0.091	U	NS															

Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2012

Volatile Organic Compounds via TO-15	Sample Date	MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual
Methyl tert butyl ether (MTBE)	8-Feb-08	0.070	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		0.165		NS	
	25-Apr-08	NS		NS		0.072	U	NS		NS		NS		0.072	U	NS		0.072	U	NS		0.079	
	29-May-08	NS		NS		NS		0.070	U	NS		NS		NS		0.070	U	NS		0.070	U	NS	
	27-Jun-08	0.436		NS		NS		NS		0.072	U	NS		NS		NS		NS		0.072	U	0.072	U
	31-Jul-08	NS		0.072	U	NS		NS		NS		NS		NS		NS		0.072	U	NS		0.072	U
	28-Aug-08	NS		NS		0.106		NS		NS		NS		0.072	U	NS		0.172	U	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		2.600		NS		NS		NS		3.200		NS		5.800	
	25-Nov-08	NS		1.800	U	NS		NS		NS		1.800	U	NS		NS		1.800	U	1.800	U	NS	
	18-Dec-08	NS		NS		1.800	U	NS		NS		NS		1.800	U	NS		NS		1.800	U	1.800	U
	21-Jan-09	NS		NS		NS		1.800	U	NS		NS		NS		1.800	U	NS		NS		1.800	U
	25-Feb-09	5.800		NS		NS		NS		1.800	U	NS		NS		NS		1.800	U	1.800	U	NS	
	26-Mar-09	NS		0.360	U	NS		NS		NS		0.720	U	NS		NS		NS		0.072	U	0.072	U
	29-Apr-09	NS		NS		0.072	U	NS		NS		NS		0.072	U	NS		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	NS	
	9-Oct-09	NS		0.072	U	NS		NS		0.072	U	NS		0.072	U	15.000	U	0.086		NS		0.083	
	15-Jan-10	0.079		NS		0.072	U	0.072	U	0.072	U	NS		0.072	U	NS		0.072	U	0.072	U	NS	
	21-Apr-10	NS		0.072	U	NS		NS		0.360	U	NS		3.600	U	0.360	U	0.072	U	NS		0.072	U
	16-Jul-10	0.072	U	NS		0.072	U	0.072	U	NS		0.544	U	NS		NS		0.072	U	0.072	U	NS	
	15-Oct-10	NS		0.072	U	NS		NS		0.072	U	NS		0.072	U	0.072	U	NS		NS		0.072	U
	26-Jan-11	0.720	U	0.072	U	NS		0.072	U	NS		0.396	U	NS		0.360	U	0.360	U	0.360	U	NS	
	28-Feb-11	NS		NS		0.720	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.072	U	NS		NS		0.072	U	NS		0.072	U	0.072	U	NS		NS		0.072	U
	26-Jul-11	0.240	U	NS		0.240	U	0.072	U	NS		0.360	U	NS		NS		0.072	U	0.360	U	NS	
	28-Oct-11	NS		1.800	U	NS		NS		1.800	U	NS		1.800	U	1.800	U	1.800	U	NS		1.800	U
	23-Jan-12	0.360	U	NS		0.360	U	0.360	U	NS		0.360	U	NS		NS		0.360	U	0.360	U	NS	
	13-Apr-12	NS		0.360	U	NS		NS		0.360	U	NS		0.360	U	0.360	U	NS		NS		0.360	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		1.800	U	NS	
23-Jun-12	0.360	U	NS		0.360	U	0.360	U	NS		0.360	U	NS		NS		0.360	U	0.360	U	NS		
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		2.670		NS		NS		NS		2.100	U	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	2.910		1.740	U	NS	
	27-Jun-08	4.330	U	NS		NS		NS		3.690		NS		NS		NS		NS		2.780	U	2.780	U
	31-Jul-08	NS		1.740	U	NS		NS		NS		NS		NS		NS		1.740	U	NS		1.740	U
	28-Aug-08	NS		NS		1.740	U	NS		NS		NS		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	NS		NS		1.700	U
	25-Feb-09	1.700	U	NS		NS		NS		1.700	U	NS		NS		NS		1.700	U	1.700	U	NS	
	26-Mar-09	NS		16.100		NS		NS		NS		17.400	U	NS		NS		NS		1.740	U	1.800	
	29-Apr-09	NS		NS		1.740	U	NS		NS		NS		1.740	U	NS		NS		NS		1.740	U
	22-Jul-09	86.800	U	NS		8.680	U	17.400	U	NS		8.680	U	NS		NS		1.740	U	1.740	U	NS	
	9-Oct-09	NS		1.740	U	NS		NS		1.740	U	NS		1.740	U	362.000	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	NS		NS		1.740	U
	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	NS		NS		3.470	U
	26-Jan-11	34.700	U	3.470	U	NS		3.470	U	NS		0.404	U	NS		17.400	U	17.400	U	17.400	U	NS	
	28-Feb-11	NS		NS		34.700	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		3.470	U	NS		NS		3.470	U	NS		3.470	U	3.470	U	3.470	U	NS		3.470	U
	26-Jul-11	11.600	U	NS		11.600	U	3.470	U	NS		17.400	U	NS		NS		5.700		17.400	U	NS	
	28-Oct-11	NS		17.000	U	NS		NS		17.000	U	NS		17.000	U	17.000	U	140.000		NS		17.000	U
	23-Jan-12	3.500	U	NS		3.500	U	3.500	U	NS		3.500	U	NS		NS		3.500	U	3.500	U	NS	
	13-Apr-12	NS		4.600	U	NS		NS		7.300		NS		3.500	U	4.600	U	NS		NS		3.500	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		17.000	U	NS	
23-Jun-12	3.500	U	NS		3.500	U	3.500	U	NS		3.500	U	NS		NS		3.500	U	3.500	U	NS		
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	3.190	U	NS		NS		NS		2.050	U	NS		NS		NS		NS		2.050	U	2.050	U
	31-Jul-08	NS		2.050	U	NS		NS		NS		NS		NS		NS		2.050	U	NS		2.050	U
	28-Aug-08	NS		NS		2.050	U	NS		NS		NS		2.050	U	NS		2.050	U	2.050	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		3.500	U	NS		NS		2.000	U	NS		2.000	U	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		2.000	U	NS		2.000	U	NS		NS		2.000	U	NS		NS		2.000	U
	25-Feb-09	2.000	U	NS		NS		NS		2.000	U	NS		NS		NS		2.000	U	2.000	U	NS	
	26-Mar-09	NS		10.200	U	NS		NS		NS		20.500	U	NS		NS		NS		2.050	U	2.050	U
	29-Apr-09	NS		NS		2.050	U	NS		NS		NS		2.050	U	NS		2.050	U	NS		2.050	U
	22-Jul-09	10.200	U	NS		10.200	U	20.500	U	NS		10.200	U	NS		NS		2.050	U	2.050	U	NS	
	9-Oct-09	NS		2.050	U	NS		NS		2.050	U	NS											

Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2012

Volatile Organic Compounds via TO-15	Sample Date	MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3	
		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual	
Styrene	8-Feb-08	0.090	U	NS		NS		NS		0.090	U	NS		NS		NS		0.300		3.150		NS	
	27-Mar-08	NS		0.100		NS		NS		NS		0.177		NS		NS		NS		0.206		NS	0.404
	25-Apr-08	NS		NS		0.244		NS		NS		NS		1.070		NS		0.559		NS		NS	0.351
	29-May-08	NS		NS		NS		NS		0.170		NS		NS		0.360		NS		0.270		NS	
	27-Jun-08	0.732		NS		NS		NS		NS		0.354		NS		NS		NS		0.598		NS	0.590
	31-Jul-08	NS		0.276		NS		NS		NS		NS		NS		NS		NS		0.255		NS	0.170
	28-Aug-08	NS		NS		1.220		NS		NS		NS		0.754		NS		NS		1.020		NS	
	30-Sep-08	NS		NS		NS		2.100	U	NS		NS		NS		2.100	U	NS		2.100	U	NS	2.100
	27-Oct-08	2.100	U	NS		NS		NS		NS		2.100	U	NS		NS		2.100	U	NS		NS	2.100
	25-Nov-08	NS		2.100	U	NS		NS		NS		NS		2.100	U	NS		NS		2.100	U	NS	2.100
	18-Dec-08	NS		NS		2.100	U	NS		NS		NS		2.100	U	NS		NS		2.100	U	NS	2.100
	21-Jan-09	NS		NS		NS		NS		2.100	U	NS		NS		NS		2.100	U	NS		NS	2.100
	25-Feb-09	2.100	U	NS		NS		NS		NS		2.100	U	NS		NS		2.100	U	NS		NS	2.100
	26-Mar-09	NS		0.851	U	NS		NS		NS		NS		1.700	U	NS		NS		0.292		NS	0.361
	29-Apr-09	NS		NS		0.174		NS		NS		NS		NS		NS		NS		0.098		NS	0.243
	22-Jul-09	0.426	U	NS		0.426	U	NS		0.851	U	NS		0.426	U	NS		NS		0.600		NS	
	9-Oct-09	NS		0.085	U	NS		NS		NS		0.098		NS		NS		17.800	U	0.153		NS	0.204
	15-Jan-10	0.106		NS		0.119		NS		0.089		NS		0.098		NS		NS		0.128		NS	
	21-Apr-10	NS		0.085	U	NS		NS		0.426	U	NS		0.426	U	NS		0.426	U	0.481		NS	0.579
	16-Jul-10	0.570		NS		0.911		0.660		NS		0.643	U	NS		NS		NS		0.340		NS	
	15-Oct-10	NS		0.698		NS		1.120		NS		0.779		NS		0.919		NS		0.877		NS	1.520
	26-Jan-11	0.851	U	0.162		NS		0.179		NS		0.426	U	NS		0.426	U	0.426	U	0.617		NS	
	28-Feb-11	NS		NS		0.851	U	NS		NS		NS		NS		NS		NS		NS		NS	
27-Apr-11	NS		0.311		NS		NS		0.302		NS		0.366		0.400		NS		0.753		NS	0.749	
26-Jul-11	0.724		NS		0.779		0.868		NS		0.788	U	NS		NS		NS		1.230		NS		
28-Oct-11	NS		2.100	U	NS		NS		2.100	U	NS		NS		2.100	U	2.100	U	2.100		NS	2.100	
23-Jan-12	0.840		NS		0.430	U	NS		0.430	U	NS		0.430	U	NS		NS		16.000		NS		
13-Apr-12	NS		0.430	U	NS		NS		NS		NS		NS		NS		NS		NS		NS	0.430	
2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		2.100	U	NS		
23-Jun-12	1.700		NS		NS		1.400		NS		1.900		NS		NS		NS		2.600		NS		
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	NS	0.137
	25-Apr-08	NS		NS		0.137	U	NS		NS		NS		0.137	U	NS		NS		0.137	U	NS	0.137
	29-May-08	NS		NS		NS		0.140	U	NS		NS		NS		0.140	U	NS		0.140	U	NS	
	27-Jun-08	0.214	U	NS		NS		NS		0.137	U	NS		NS		NS		NS		0.137	U	NS	0.137
	31-Jul-08	NS		0.137	U	NS		NS		NS		NS		NS		NS		NS		0.137	U	NS	0.137
	28-Aug-08	NS		NS		0.137	U	NS		NS		NS		0.137	U	NS		NS		0.137	U	NS	
	30-Sep-08	NS		NS		NS		0.140	U	NS		NS		NS		0.140	U	NS		0.140	U	NS	0.140
	27-Oct-08	0.140	U	NS		NS		NS		0.140	U	NS		NS		NS		NS		0.140	U	NS	0.140
	25-Nov-08	NS		0.140	U	NS		NS		NS		0.140	U	NS		NS		NS		0.140	U	NS	0.140
	18-Dec-08	NS		NS		0.140	U	NS		NS		NS		0.140	U	NS		NS		0.140	U	NS	0.140
	21-Jan-09	NS		NS		NS		0.190		NS		NS		NS		0.140	U	NS		0.140	U	NS	0.140
	25-Feb-09	0.140	U	NS		NS		NS		NS		0.140	U	NS		NS		NS		0.140	U	NS	0.140
	26-Mar-09	NS		0.686	U	NS		NS		NS		1.370	U	NS		NS		NS		0.137	U	NS	0.137
	29-Apr-09	NS		NS		0.137	U	NS		NS		NS		0.137	U	NS		NS		0.137	U	NS	0.137
	22-Jul-09	0.686	U	NS		28.000	U	1.370	U	NS		0.686	U	NS		NS		NS		0.137	U	NS	
	9-Oct-09	NS		0.137	U	NS		NS		NS		0.137	U	NS		NS		28.600	U	0.137	U	NS	0.137
	15-Jan-10	0.109	U	NS		0.137	U	1.370	U	NS		0.137	U	NS		NS		NS		0.137	U	NS	
	21-Apr-10	NS		0.137	U	NS		NS		0.686	U	NS		0.686	U	NS		NS		0.137	U	NS	0.137
	16-Jul-10	0.137	U	NS		0.137	U	0.137	U	NS		1.040	U	NS		NS		NS		0.137	U	NS	
	15-Oct-10	NS		0.137	U	NS		NS		0.137	U	NS		0.137	U	NS		NS		0.137	U	NS	0.137
	26-Jan-11	1.370	U	0.137	U	NS		0.137	U	NS		0.686	U	NS		0.686	U	0.686	U	0.686	U	NS	
	28-Feb-11	NS		NS		1.370	U	NS		NS		NS		NS		NS		NS		NS		NS	
27-Apr-11	NS		0.137	U	NS		NS		0.137	U	NS		0.137	U	NS		0.137	U	0.137	U	NS	0.137	
26-Jul-11	0.458	U	NS		0.458	U	0.137	U	NS		0.687	U	NS		NS		NS		0.137	U	NS		
28-Oct-11	NS		6.200	U	NS		NS		NS		6.200	U	NS		6.200	U	6.200	U	6.200	U	NS	6.200	
23-Jan-12	1.200	U	NS		1.200	U	1.200	U	NS		1.200	U	NS		NS		NS		1.200	U	NS		
13-Apr-12	NS		1.200	U	NS		NS		NS		1.200	U	NS		NS		NS		NS		NS	1.200	
2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		
23-Jun-12	1.200	U	NS		1.200	U	1.200	U	NS		1.200	U	NS		NS		NS		1.200	U	NS		
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	NS	0.137
	25-Apr-08	NS		NS		0.137	U	NS		NS		NS		0.137	U	NS		NS		0.137	U	NS	0.137
	29-May-08	NS		NS		NS		0.140	U	NS		NS		NS		0.140	U	NS		0.140	U	NS	
	27-Jun-08	0.214	U	NS		NS		NS		0.137	U	NS		NS		NS		NS		0.137	U	NS	0.137
	31-Jul-08	NS		0.137	U	NS		NS		NS		NS		NS		NS		NS		0.137	U	NS	0.137
	28-Aug-08	NS		NS		0.137	U	NS		NS		NS		0.137	U	NS		NS		0.137	U	NS	
	30-Sep-08	NS		NS		NS		0.140	U	NS		NS		NS		0.140	U	NS		0.140	U	NS	0.140
	27-Oct-08	0.140	U	NS		NS		NS		0.140	U	NS		NS		NS		NS		0.140	U	NS	0.140
	25-Nov-08	NS		0.140	U	NS		NS		NS		0.140	U	NS		NS		NS		0.140	U	NS	0.140
	18-Dec-08	NS		NS		0.140	U	NS		NS		NS		0.140	U	NS		NS		0.140	U	NS	0.140
	21-Jan-09	NS		NS		NS		0.140	U	NS		NS		NS		0.140	U	NS		0.140	U	NS	0.140
	25-Feb-09	0.140	U	NS		NS		NS		0.140	U	NS		NS		NS		NS		0.140	U	NS	
	26-Mar-09	NS		0.686	U	NS		NS		NS		1.370	U	NS		NS		NS		0.137	U	NS	0.137
	29-Apr-09	NS		NS		0.137	U	NS		NS		NS		0.137	U	NS		NS		0.137	U	NS	0.137
	22-Jul-09	0.686	U	NS		28.000	U	0.137	U	NS		0.686	U	NS		NS		NS		0.137	U	NS	
	9-Oct-09	NS		0.137	U	NS		NS		NS		0.137	U	NS		NS		28.600	U	0.137	U	NS	0.137
	15-Jan-10	0.109	U	NS		0.137	U	0.137	U	NS		0.109	U	NS		NS		NS		0.137	U	NS	
	21-Apr-10	NS		0.137	U	NS		NS		0.686	U	NS		0.686	U	NS		NS		0.137	U	NS	0.137
	16-Jul-10	0.137	U																				

**Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2012**

Volatile Organic Compounds via TO-15	Sample Date	MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual
		Tetrachloroethene* <p>Tetrachloroethene*</p> 8-Feb-08 0.350 NS 0.888 NS 0.322 NS 0.140 U 0.875 NS 0.990 NS 0.530 5.050 NS 27-Mar-08 NS 0.888 NS NS 0.875 NS 0.990 NS 6.990 5.250 25-Apr-08 NS NS 0.322 NS NS NS 0.830 NS 0.867 29-May-08 NS NS NS 1.360 NS NS 0.240 0.300 NS 3.210 27-Jun-08 1.320 NS NS NS 29.600 NS NS 5.080 1.800 31-Jul-08 NS 0.667 NS NS NS NS 0.618 NS 0.572 28-Aug-08 NS NS 1.550 NS NS 1.520 NS 1.370 6.260 30-Sep-08 NS NS NS 3.400 NS NS 3.400 U 6.100 3.400 U 27-Oct-08 4.200 U NS NS NS 10.000 NS NS 4.200 U 4.200 U 25-Nov-08 NS 21.300 NS NS NS 4.600 NS 3.400 U 8.900 NS 18-Dec-08 NS NS 3.400 U NS NS 3.400 U NS 3.400 U 3.400 U 21-Jan-09 NS NS NS NS 3.400 U NS 3.400 U NS 3.400 U 25-Feb-09 3.400 U NS NS NS 8.300 NS NS 3.400 U NS 3.700 U 26-Mar-09 NS 1.280 NS NS NS 1.360 U NS NS 7.110 2.080 29-Apr-09 NS NS 0.271 NS NS NS 0.305 NS NS 0.237 NS 0.691 22-Jul-09 1.630 NS 1.630 2.100 NS 3.080 NS NS 11.800 NS 3.250 9-Oct-09 NS 0.556 NS NS 2.070 NS 0.678 NS 28.300 U 1.170 NS 1.460 15-Jan-10 1.310 NS 0.644 1.350 NS 0.691 NS NS 0.447 NS 0.501 NS 21-Apr-10 NS 7.200 NS NS 31.400 NS 36.800 NS 62.100 NS 26.000 NS 16-Jul-10 12.400 NS 12.700 10.900 NS 10.000 NS NS 15.400 NS 19.200 NS 15-Oct-10 NS 21.900 NS NS 37.600 NS 21.300 NS 22.100 NS 31.600 NS 26-Jan-11 1.360 U 0.691 NS NS 1.270 NS 0.678 U NS 2.130 NS 8.300 NS 28-Feb-11 NS NS 1.360 U NS NS NS NS NS NS NS 27-Apr-11 NS 1.440 NS NS 7.220 NS 1.530 NS 1.460 NS 1.980 26-Jul-11 3.340 NS NS 0.834 2.590 NS 9.290 NS NS 0.976 NS 6.780 28-Oct-11 NS 3.400 U NS NS 8.500 NS 3.400 U 3.400 U NS 3.400 U 23-Jan-12 1.000 NS NS 0.680 U 1.700 NS 5.300 NS NS 0.760 NS 26.000 NS 13-Apr-12 NS 19.000 NS NS 18.000 NS 12.000 NS 18.000 NS 15.000 NS 2-Jul-12 (resample) NS NS NS NS NS NS NS NS 9.600 NS 23-Jun-12 1.500 NS NS 0.680 U 3.500 NS 0.800 NS NS 8.900 NS																					
Toluene <p>Toluene</p> 8-Feb-08 1.630 NS 2.240 NS 1.390 NS 1.800 NS 2.720 455.000 NS 27-Mar-08 NS 2.240 NS NS 1.450 NS NS NS 11.300 16.100 25-Apr-08 NS NS 1.390 NS NS NS 1.340 NS 11.200 NS 21.800 29-May-08 NS NS NS 7.740 NS NS NS 11.600 NS 13.000 NS 27-Jun-08 14.700 NS NS NS 2.330 NS NS NS 10.600 NS 22.200 31-Jul-08 NS 4.150 NS NS NS NS NS NS 10.200 NS 6.110 28-Aug-08 NS NS 6.480 NS NS NS 3.440 NS 10.000 NS 11.200 30-Sep-08 NS NS NS 1.900 U NS NS NS 6.100 NS 7.500 NS 8.600 27-Oct-08 56.300 NS NS NS 3.200 NS NS NS 6.600 NS 8.200 25-Nov-08 NS 7.800 NS NS NS 7.800 NS NS 29.900 NS 18.600 18-Dec-08 NS NS 2.000 NS NS NS 1.900 U NS 4.800 NS 4.900 21-Jan-09 NS NS NS 1.900 U NS NS NS 1.900 U 1.900 U 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 NS 9.750 29-Apr-09 NS NS 1.990 NS NS NS 0.651 NS NS 0.149 NS .456 22-Jul-09 38.700 NS 38.700 2.220 NS 4.710 NS NS 80.100 NS 5.320 NS 9-Oct-09 NS 3.530 NS NS 3.060 NS 1.070 NS 23.600 NS 3.120 NS 3.670 15-Jan-10 12.800 NS 4.170 4.330 NS 5.810 NS NS 4.810 NS 4.850 NS 21-Apr-10 NS 0.900 NS NS 2.970 NS 3.750 NS 5.200 NS 2.840 NS 5.080 16-Jul-10 22.200 NS 17.900 5.980 NS 5.540 NS NS 5.770 NS 5.850 NS 15-Oct-10 NS 1.670 NS NS 2.100 NS 1.720 NS 3.370 NS 2.230 NS 3.260 26-Jan-11 6.060 NS 6.820 NS 6.820 NS 4.740 NS 5.950 NS 12.100 NS 11.900 28-Feb-11 NS NS 1.880 NS NS NS NS NS NS NS NS NS 27-Apr-11 NS 0.836 NS NS 0.682 NS 1.250 NS 3.620 NS 2.080 NS 1.620 26-Jul-11 8.290 NS 3.960 U 1.150 NS 1.620 NS NS 2.310 NS 1.680 NS 28-Oct-11 NS 1.900 U NS NS 1.900 U NS 1.900 U 3.300 NS 4.700 NS 3.800 23-Jan-12 7.900 NS NS 3.800 NS 1.900 NS NS 5.200 NS 15.000 NS 13-Apr-12 NS 0.750 NS NS 0.380 U NS 0.380 U NS 2.400 NS 1.500 2-Jul-12 (resample) NS NS NS NS NS NS NS NS 1.900 NS 23-Jun-12 8.500 NS NS 3.500 NS 1.500 NS 2.500 NS NS 2.400 NS 1.800																							
1,1,1-Trichloroethane* <p>1,1,1-Trichloroethane*</p> 8-Feb-08 0.110 U NS U NS NS NS 0.110 U NS U NS 0.110 U 0.560 U NS 27-Mar-08 NS 0.109 U NS NS NS NS 0.109 U NS U NS NS 0.522 U 0.266 25-Apr-08 NS NS NS 0.109 U NS NS NS 0.109 U NS U NS NS 0.119 U 29-May-08 NS NS NS NS 0.120 NS NS NS 0.110 U NS U 0.540 U NS 27-Jun-08 0.170 U NS NS NS 0.458 NS NS NS 0.377 U 0.138 31-Jul-08 NS 0.109 U NS NS NS NS 0.109 U NS U NS NS 0.109 U 28-Aug-08 NS NS 0.109 U NS NS NS 0.153 NS NS 0.492 U NS 30-Sep-08 NS NS NS 2.700 U NS NS NS 2.700 U NS U 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 NS 2.700 U NS 2.700 U 18-Dec-08 NS NS 2.700 U NS NS NS 2.700 U NS NS NS 2.700 U NS 2.700 U 21-Jan-09 NS NS NS 2.700 U NS NS NS 2.700 U NS U 2.700 U 2.700 U 25-Feb-09 2.700 U NS NS NS 2.700 U NS NS NS 2.700 U NS 2.700 U 26-Mar-09 NS 1.590 NS NS NS 1.090 U NS NS NS 0.682 U 0.213 29-Apr-09 NS NS 0.174 NS NS NS 0.147 NS NS 0.158 NS 0.191 22-Jul-09 0.545 U NS 22.200 U 1.090 U NS 0.545 U NS 0.109 U 0.278 NS 9-Oct-09 NS 0.109 U NS NS NS 0.158 NS NS 22.800 U 0.109 U 0.136 15-Jan-10 0.109 U NS NS 0.109 U 1.090 U NS NS 0.109 U 0.692 NS 21-Apr-10 NS 0.109 U NS NS 0.545 U NS 0.545 U NS U 0.109 U NS 1.090 U 16-Jul-10 0.109 U NS 0.109 U 0.109 U NS 0.824 U NS NS 0.109 U 0.562 NS 15-Oct-10 NS 0.272 NS NS NS 0.349 NS NS 0.109 U NS U NS 0.109 U 26-Jan-11 1.090 U 0.109 U NS NS 0.109 U NS 0.545 U NS U 0.845 NS 28-Feb-11 NS NS 1.090 U NS NS NS NS NS NS NS NS NS 27-Apr-11 NS 0.109 U NS NS 0.109 U NS NS NS 0.109 U NS 0.109 U 26-Jul-11 0.364 U NS 0.364 U 0.109 U NS 0.873 NS NS 0.109 U 0.546 U 28-Oct-11 NS 2.700 U NS NS NS 2.700 U NS 2.700 U 2.700 U NS 2.700 U 23-Jan-12 0.550 U NS NS 0.550 U 0.550 U NS NS NS 0.550 U 1.300 NS 13-Apr-12 NS 0.270 U NS NS NS 0.270 U NS 0.270 U 0.270 U NS 0.270 U 2-Jul-12 (resample) NS NS NS NS NS NS NS NS 1.400 NS 23-Jun-12 0.550 U NS NS 0.550 U 0.550 U NS NS NS 0.700 U 0.700																							

**Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2012**

Volatile Organic Compounds via TO-15	Sample Date	MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual
1,1,2-Trichloroethane	8-Feb-08	0.110	U	NS		NS		NS		0.110	U	NS		NS		NS		0.110	U	0.110	U	NS	U
	27-Mar-08	NS		0.109	U	NS		NS		0.109	U	NS		NS		NS		0.109	U	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	NS		0.110	U	NS	U
	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	0.109	U	NS	U
	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	U
	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	NS		0.110	U	NS	U
	25-Feb-09	0.110	U	NS		NS		NS		0.110	U	NS		NS		NS		0.110	U	NS		0.110	U
	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		0.109	U	NS		NS		NS		NS		0.109	U	NS		NS		0.109	U	NS	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	U
	9-Oct-09	NS		0.109	U	NS		NS		0.109	U	NS		0.109	U	NS		22.800	U	0.109	U	NS	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	U
	21-Apr-10	NS		0.109	U	NS		NS		0.545	U	NS		0.545	U	NS		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	U
	15-Oct-10	NS		0.109	U	NS		NS		0.109	U	NS		0.109	U	NS		0.109	U	NS		0.109	U
	26-Jan-11	1.090	U	0.109	U	NS		0.109	U	NS		0.545	U	NS		0.547	U	0.545	U	0.545	U	NS	U
	28-Feb-11	NS		NS		1.090	U	NS		NS		NS		NS		NS		NS		NS		NS	U
	27-Apr-11	NS		0.109	U	NS		NS		0.109	U	NS		0.109	U	NS		0.109	U	NS		0.109	U
	26-Jul-11	0.364	U	NS		0.364	U	0.109	U	NS		0.546	U	NS		NS		0.109	U	0.546	U	NS	U
	28-Oct-11	NS		2.700	U	NS		NS		2.700	U	NS		2.700	U	NS		2.700	U	NS		2.700	U
	23-Jan-12	0.550	U	NS		0.550	U	0.550	U	NS		0.550	U	NS		NS		0.550	U	4.200	U	NS	U
	13-Apr-12	NS		0.270	U	NS		NS		0.270	U	NS		0.270	U	NS		0.270	U	NS		0.270	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		1.400	U	NS	U
	23-Jun-12	0.550	U	NS		0.550	U	0.550	U	NS		0.500	U	NS		NS		0.550	U	0.550	U	NS	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		0.668		NS		3.390	
	29-May-08	NS		NS		NS		26.500		NS		NS		NS		0.150		NS		13.600		NS	
	27-Jun-08	0.408		NS		NS		NS		258.000		NS		NS		NS		NS		13.600		6.560	
	31-Jul-08	NS		1.240		NS		NS		NS		NS		NS		NS		0.126		NS		3.260	
	28-Aug-08	NS		NS		0.558		NS		NS		NS		3.560		NS		0.432		18.400		NS	
	30-Sep-08	NS		NS		NS		56.200		NS		NS		NS		0.800	U	NS		22.700		3.950	
	27-Oct-08	0.800	U	NS		NS		NS		NS		117.000		NS		NS		2.990		NS		0.800	U
	25-Nov-08	NS		2.920		NS		NS		NS		1.890		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		2.480	
	21-Jan-09	NS		NS		NS		19.600		NS		NS		NS		0.540	U	NS		NS		4.990	
	25-Feb-09	0.440		NS		NS		NS		NS		99.500		NS		NS		0.560	U	10.700		NS	
	26-Mar-09	NS		9.200		NS		NS		NS		NS		3.880		NS		NS		25.100		5.490	
	29-Apr-09	NS		NS		0.220		NS		NS		NS		NS		1.200		NS		NS		2.960	
	22-Jul-09	0.537	U	NS		0.537	U	12.700		NS		3.190		NS		NS		0.354		10.300		NS	
	9-Oct-09	NS		0.091	U	NS		NS		26.000		NS		1.240		22.400	U	0.182		NS		3.260	
	15-Jan-10	0.591		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	0.891		NS		2.010	
	16-Jul-10	0.333		NS		0.333		8.140		NS		0.811	U	NS		NS		0.107		27.800		NS	
	15-Oct-10	NS		2.260		NS		NS		129.000		NS		1.920		0.177		0.317		NS		1.300	
	26-Jan-11	1.070	U	1.630		NS		9.940		NS		0.537	U	NS		0.617		1.230		27.100		NS	
	28-Feb-11	NS		NS		1.070	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.231		NS		NS		78.100		NS		0.891		0.107	U	0.107	U	NS		1.560	
	26-Jul-11	1.180		NS		0.358	U	29.600		NS		10.500		NS		NS		0.247		20.500		NS	
	28-Oct-11	NS		2.700	U	NS		NS		110.000		NS		2.700	U	2.700	U	2.700	U	NS		2.700	U
	23-Jan-12	0.880		NS		0.540	U	6.800		NS		7.800		NS		NS		0.540	U	44.000		NS	
	13-Apr-12	NS		0.270	U	NS		NS		83.000		NS		1.500		0.270	U	0.270	U	NS		4.100	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		32.000		NS	
	23-Jun-12	1.100		NS		0.540	U	92.000		NS		0.750		NS		NS		0.540	U	35.000		NS	
Trichlorofluoromethane	8-Feb-08	1.220		NS		NS		NS		1.220		NS		NS		NS		1.060		15.900		NS	
	27-Mar-08	NS		1.270		NS		NS		NS		1.180		NS		NS		NS		12.000		9.020	
	25-Apr-08	NS		NS		1.180		NS		NS		NS		5.200		NS		1.660		NS		3.830	
	29-May-08	NS		NS		NS		33.500		NS		NS		NS		0.980		1.050		10.600		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		15.600		NS	
	30-Sep-08	NS		NS		NS		53.800		NS		NS		NS		2.800	U	NS		14.500		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	U	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		19.600		10.300	
	29-Apr-09	NS		NS		1.450		NS		NS		NS		4.230		NS		1.270		NS		3.170	
	22-Jul-09	1.460		NS		1.460		19.900		NS		3.420		NS		NS		1.280		6.460		NS	
	9-Oct-09	NS		0.156		NS		NS		20.000		NS		11.000		58.600	U	1.65		NS		9.320	
	15-Jan-10	1.390		NS		2.100		16.600		NS		1.780		NS		NS		1.340					

Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2012

Volatile Organic Compounds via TO-15	Sample Date	MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3		
		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		
1,2,4-Trimethylbenzene	8-Feb-08	0.210		NS		NS		NS		0.230		NS		NS		NS		0.690		1.930		NS		
	27-Mar-08	NS		0.304		NS		NS		NS		0.152		NS		NS		NS		0.958		0.681		
	25-Apr-08	NS		NS		1.720		NS		NS		NS		0.644		NS		0.517		NS		0.338		
	29-May-08	NS		NS		NS		0.600		NS		NS		NS		1.000		NS		0.480		NS		
	27-Jun-08	7.460		NS		NS		NS		1.150		NS		NS		NS		NS		0.638		0.736		
	31-Jul-08	NS		1.860		NS		NS		NS		NS		NS		NS		0.885		NS		0.685		
	28-Aug-08	NS		NS		0.838		NS		NS		NS		NS		NS		0.669		0.653		NS		
	30-Sep-08	NS		NS		2.500		NS	U	NS		NS		NS		2.500	U	NS		NS		2.500	U	
	27-Oct-08	11.400		NS		NS		NS		2.500	U	NS		NS		NS		2.500		NS	U	NS		2.900
	25-Nov-08	NS		2.500	U	NS		NS		NS		2.500	U	NS		NS		6.400		5.200		NS		2.900
	18-Dec-08	NS		NS		2.500	U	NS		NS		NS		2.500	U	NS		NS		2.500		NS	U	2.500
	21-Jan-09	NS		NS		NS		2.500	U	NS		NS		NS		2.500	U	2.500		NS		NS	U	2.500
	25-Feb-09	17.500		NS		NS		NS		4.000		NS		NS		NS		6.200		2.900		NS		NS
	26-Mar-09	NS		0.491	U	NS		NS		NS		NS		0.982	U	NS		NS		1.090		1.550		NS
	29-Apr-09	NS		NS		0.265		NS		NS		NS		0.378		NS		NS		0.707		NS		0.801
	22-Jul-09	3.490		NS		20.000	U	0.982	U	NS		NS		0.737		NS		NS		56.400		0.860		NS
	9-Oct-09	NS		0.707		NS		NS		0.781		NS		0.648		20.500	U	1.360		NS		0.584		NS
	15-Jan-10	2.870		NS		0.354		0.290		NS		0.314		NS		NS		1.060		1.170		NS		NS
	21-Apr-10	NS		0.211		NS		NS		0.933		NS		1.420		1.130		0.653		NS		0.702		NS
	16-Jul-10	8.300		NS		8.230		8.090		NS		6.270		NS		NS		4.280		5.050		NS		NS
	15-Oct-10	NS		1.290		NS		NS		1.610		NS		1.100		1.380		1.860		NS		2.350		NS
	26-Jan-11	1.230		1.400		NS		1.600		NS		0.491	U	NS		1.350		6.930		10.400		NS		NS
	28-Feb-11	NS		NS		0.982	U	NS		NS		NS		NS		NS		NS		NS		NS		NS
27-Apr-11	NS		0.845		NS		NS		0.855		NS		1.240		1.060		2.060		NS		NS		1.090	
26-Jul-11	1.290		NS		2.670		0.610		NS		0.541		NS		NS		2.480		0.541		NS		NS	
28-Oct-11	NS		2.500	U	NS		NS		2.500	U	NS		2.500	U	2.500	U	3.700		NS		3.100		NS	
23-Jan-12	3.000		NS		0.760		0.490		NS	U	0.710		NS		NS		2.700		2.800		NS		NS	
13-Apr-12	NS		0.490	U	NS		NS		NS	U	0.490		NS	U	1.100		3.900		NS		1.300		NS	
2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		2.500		NS	U	NS	
23-Jun-12	4.100		NS		1.300		1.200		NS		1.100		NS		NS		2.100		NS		NS		NS	
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		0.098	U	NS		NS		NS		0.349		0.275		
	25-Apr-08	NS		NS		1.600		NS		NS		NS		0.228		NS		0.192		NS		0.134		
	29-May-08	NS		NS		NS		0.180		NS		NS		NS		0.320		0.430		0.150		NS		
	27-Jun-08	5.160		NS		NS		NS		0.463		NS		NS		NS		NS		0.236		0.250		
	31-Jul-08	NS		0.713		NS		NS		NS		NS		NS		NS		0.276		NS		0.224		
	28-Aug-08	NS		NS		0.497		NS		NS		NS		0.215		NS		0.248		0.233		NS		
	30-Sep-08	NS		NS		2.500		NS	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		NS		2.500	U	
	25-Nov-08	NS		2.500	U	NS		NS		2.500	U	NS		NS		NS		2.500		NS	U	NS		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		NS		2.500	U	
	25-Feb-09	9.100		NS		NS		NS		2.500	U	NS		NS		NS		2.500		NS		NS		NS
	26-Mar-09	NS		0.491	U	NS		NS		NS		0.982	U	NS		NS		NS		0.337		0.425		NS
	29-Apr-09	NS		NS		0.147		NS		NS		NS		0.128		NS		0.211		NS		0.241		NS
	22-Jul-09	3.000		NS		20.000	U	0.982	U	NS		0.491	U	NS		NS		22.700		0.275		NS		NS
	9-Oct-09	NS		0.216		NS		NS		0.241		NS		0.187		20.500	U	0.388		NS		0.226		NS
	15-Jan-10	2.150		NS		0.118		0.098		NS		0.108		NS		NS		0.290		0.334		NS		NS
	21-Apr-10	NS		0.098	U	NS		NS		0.491	U	NS		0.491	U	0.491	U	0.177		NS		0.206		NS
	16-Jul-10	2.760		NS		1.880		1.810		NS		1.670		NS		NS		1.080		1.250		NS		NS
	15-Oct-10	NS		0.418		NS		NS		0.383		NS		0.275		0.324		0.545		NS		0.540		NS
	26-Jan-11	0.982	U	0.437		NS		0.472		NS		0.491	U	NS		0.491	U	1.990		2.870		NS		NS
	28-Feb-11	NS		NS		0.982	U	NS		NS		NS		NS		NS		NS		NS		NS		NS
27-Apr-11	NS		0.255		NS		NS		0.270		NS		0.368		0.329		0.599		NS		0.354		NS	
26-Jul-11	0.688		NS		0.885		0.182		NS		0.492	U	NS		NS		0.664		0.492		NS		NS	
28-Oct-11	NS		2.500	U	NS		NS		2.500	U	NS		2.500	U	2.500	U	2.500		NS		2.500		U	
23-Jan-12	0.990		NS		0.490		0.490	U	0.490	U	NS		NS		NS		0.710		0.830		NS		NS	
13-Apr-12	NS		0.490	U	NS		NS		NS	U	0.490		NS	U	0.490	U	1.100		NS		0.490		NS	
2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		2.500		NS	U	NS	
23-Jun-12	1.600		NS		0.490	U	0.490	U	NS	U	0.490	U	NS		NS		0.490		NS		NS		NS	
Vinyl chloride*	8-Feb-08	0.050	U	NS		NS		NS		0.050	U	NS		NS		NS		0.050	U	0.050	U	NS		
	27-Mar-08	NS		0.051	U	NS		NS		NS		0.051	U	NS		NS		NS		0.051	U	0.051	U	
	25-Apr-08	NS		NS		0.051	U	NS		NS		NS		0.750		NS		0.051	U	NS		0.051	U	
	29-May-08	NS		NS		NS		0.050	U	NS		NS		NS		0.050	U	0.050	U	0.050	U	NS		
	27-Jun-08	0.080	U	NS		NS		NS		0.051	U	NS		NS		NS		NS		0.051	U	0.051	U	
	31-Jul-08	NS		0.051	U	NS		NS		NS		NS		NS		NS		0.051	U	NS		0.051	U	
	28-Aug-08	NS		NS		0.051	U	NS		NS		NS		0.051	U	NS		0.051	U	0.051	U	NS		
	30-Sep-08	NS		NS		NS		0.100	U	NS		NS												

**Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - July 2012**

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/m-Xylene	8-Feb-08	0.550		NS		NS		NS		0.630		NS		NS		NS		1.040		18.300	
	27-Mar-08	NS		0.893		NS		NS		NS		0.389		NS		NS		NS		2.170		NS	
	25-Apr-08	NS		NS		0.815		NS		NS		NS		0.970		NS		2.540		NS		1.810	
	29-May-08	NS		NS		NS		5.000		NS		NS		NS		7.580		10.100		3.340		NS	
	27-Jun-08	12.600		NS		NS		NS		1.500		NS		NS		NS		NS		1.910		2.330	
	31-Jul-08	NS		2.400		NS		NS		NS		NS		NS		NS		2.080		NS		1.550	
	28-Aug-08	NS		NS		2.330		NS		NS		NS		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		NS		4.300	U
	25-Feb-09	37.600		NS		NS		NS		4.300	U	NS		NS		NS		8.000		9.300		NS	
	26-Mar-09	NS		1.350		NS		NS		NS		1.740	U	NS		NS		NS		2.590		3.560	
	29-Apr-09	NS		0.468		NS		NS		NS		NS		0.516		NS		0.933		NS		1.060	
	22-Jul-09	25.600		NS		25.600		1.740	U	NS		3.880		NS		NS		165.000		3.520		NS	
	9-Oct-09	NS		1.620		NS		NS		1.630		NS		0.915		36.200	U	NS		1.740		1.700	
	15-Jan-10	18.400		NS		1.520		1.480		NS		1.760		NS		NS		2.350		2.650		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		6.360		NS		4.820		NS		NS		4.950		4.910		NS	
	15-Oct-10	NS		1.810		NS		NS		2.180		NS		1.700		1.880		3.400		NS		2.880	
	26-Jan-11	3.080		4.240		NS		4.370		NS		3.060		NS		3.170		11.500		13.600		NS	
	28-Feb-11	NS		NS		1.740	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.694		NS		NS		0.707		NS		0.889		1.150		1.090		NS		1.440	
	26-Jul-11	9.990		NS		3.960		1.020		NS		0.999		NS		NS		0.956		1.260		NS	
	28-Oct-11	NS		4.300	U	NS		NS		4.300	U	NS		4.300	U	4.300	U	9.800		NS		4.300	U
	23-Jan-12	7.900		NS		2.000		1.300		NS		2.000		NS		NS		4.400		14.000		NS	
	13-Apr-12	NS		0.870	U	NS		NS		0.870	U	NS		0.870	U	0.870	U	3.600		NS		1.100	
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		4.300	U	NS	
	23-Jun-12	12.000		NS		1.100		0.870	U	NS		0.940		NS		NS		1.700		1.100		NS	
	8-Feb-08	0.200		NS		NS		NS		0.230		NS		NS		NS		0.480		7.730		NS	
	27-Mar-08	NS		0.273		NS		NS		NS		0.142		NS		NS		NS		0.844		0.478	
	25-Apr-08	NS		NS		0.370		NS		NS		NS		0.406		NS		0.735		NS		0.620	
	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		0.550		NS		NS		NS		NS		0.672		0.794	
	31-Jul-08	NS		0.835		NS		NS		NS		NS		NS		NS		0.748		NS		0.564	
	28-Aug-08	NS		NS		0.804		NS		NS		NS		0.511		NS		0.797		0.725		NS	
	30-Sep-08	NS		NS		NS		2.200	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		NS		4.000	
	25-Nov-08	NS		2.200	U	NS		NS		2.200	U	NS		NS		NS		3.100	N	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	NS		2.200	U	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		0.486		NS		NS		NS		0.868	U	NS		NS		NS		0.922		1.280	
	29-Apr-09	NS		NS		0.174		NS		NS		NS		0.208		NS		0.369		NS		0.499	
	22-Jul-09	5.340		NS		5.340		0.868	U	NS		1.390		NS		NS		72.700		1.270		NS	
	9-Oct-09	NS		0.542		NS		NS		0.586		NS		0.343		18.100	U	0.629		NS		0.616	
	15-Jan-10	4.510		NS		0.490		0.490		NS		0.560		NS		NS		0.833		0.846		NS	
	21-Apr-10	NS		0.256		NS		NS		1.170		NS		1.560		1.410		NS		NS		1.140	
	16-Jul-10	5.070		NS		2.840		2.630		NS		2.100		NS		NS		1.880		2.050		NS	
	15-Oct-10	NS		0.672		NS		NS		0.837		NS		0.659		0.729		1.220		NS		1.140	
	26-Jan-11	1.080		1.500		NS		1.540		NS		1.110		NS		1.150		4.320		5.160		NS	
	28-Feb-11	NS		NS		0.868	U	NS		NS		NS		NS		NS		NS		NS		NS	
	27-Apr-11	NS		0.286		NS		NS		0.286		NS		0.369		0.456		0.451		NS		0.551	
	26-Jul-11	1.870		NS		1.450		0.334		NS		0.434	U	NS		NS		0.365		0.434		NS	
	28-Oct-11	NS		2.200	U	NS		NS		2.200	U	NS		2.200	U	2.200	U	3.300		NS		2.200	U
	23-Jan-12	2.300		NS		0.760		0.540		NS		0.790		NS		NS		1.700		4.600		NS	
	13-Apr-12	NS		0.430	U	NS		NS		0.430	U	NS		0.430	U	0.430	U	1.400		NS		0.430	U
	2-Jul-12 (resample)	NS		NS		NS		NS		NS		NS		NS		NS		NS		2.200	U	NS	
	23-Jun-12	3.000		NS		0.430	U	0.430	U	NS		0.430	U	NS		NS		0.590		0.440		NS	

Notes:
 All data presented in micrograms per cubic meter (ug/m3).
 U: designation indicates that the compound was not detected by the laboratory. Reporting limit shown in the data column.
 NS: not sampled.
 * = Site Specific Compound of Concern per ATSDR Health Consultation, December 4, 2006.

August 1, 2012

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

Project Location: Alvarez High School, Providence, RI
Client Job Number:
Project Number: 14687.01
Laboratory Work Order Number: 12G0739

Enclosed are results of analyses for samples received by the laboratory on July 23, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lisa A. Worthington
Project Manager

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

REPORT DATE: 8/1/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 14687.01

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12G0739

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

PROJECT LOCATION: Alvarez High School, Providence, RI

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MP-1	12G0739-01	Sub Slab		EPA TO-15	
MP-3	12G0739-02	Sub Slab		EPA TO-15	
MP-4	12G0739-03	Sub Slab		EPA TO-15	
MP-6	12G0739-04	Sub Slab		EPA TO-15	
IMP-1	12G0739-05	Sub Slab		EPA TO-15	
IMP-2	12G0739-06	Sub Slab		EPA TO-15	
RTF-1	12G0739-07	Sub Slab		EPA TO-15	
RTF-2	12G0739-08	Sub Slab		EPA TO-15	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

EPA TO-15

Qualifications:

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

Analyte & Samples(s) Qualified:

Acrylonitrile
B056099-BS1

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Acrylonitrile
B056099-BS1

EPA TO-15

Initial and continuing calibrations met all required performance standards for RCP compounds that are Title III Clean Air Act Amendment compounds listed in table 1 of the TO-15 method unless otherwise specified in this narrative.

Laboratory control sample recoveries and sample replicate RPDs were all within limits specified by the method for RCP compounds that are Title III Clean Air Act Amendment compounds listed in table 1 of the TO-15 method unless otherwise specified in this narrative. Recovery limits of 50-150% are used for propene, acetone, ethanol, isopropanol, ethyl acetate, tetrahydrofuran, cyclohexane, heptane, 2-hexanone, 4-ethyltoluene, n-butylbenzene, sec-butylbenzene, 4-isopropyltoluene, and 1,1,1,2-tetrachloroethane.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Michael A. Erickson
Laboratory Director

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: MP-1
Sample ID: 12G0739-01
 Sample Matrix: Sub Slab
 Sampled: 7/20/2012 11:54

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1465
 Canister Size: 6 liter
 Flow Controller ID: 4205
 Sample Type: 30 min

Work Order: 12G0739
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -3
 Receipt Vacuum(in Hg): -2.5
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	9.0	4.0		21	9.5	2	7/26/12	0:24	WSD
Acrylonitrile	ND	0.58		ND	1.2	2	7/26/12	0:24	WSD
Benzene	0.14	0.10		0.45	0.32	2	7/26/12	0:24	WSD
Bromodichloromethane	ND	0.10		ND	0.67	2	7/26/12	0:24	WSD
Bromoform	ND	0.10		ND	1.0	2	7/26/12	0:24	WSD
2-Butanone (MEK)	25	4.0		75	12	2	7/26/12	0:24	WSD
n-Butylbenzene	ND	0.29		ND	1.6	2	7/26/12	0:24	WSD
sec-Butylbenzene	ND	0.23		ND	1.3	2	7/26/12	0:24	WSD
Carbon Tetrachloride	ND	0.10		ND	0.63	2	7/26/12	0:24	WSD
Chlorobenzene	ND	0.10		ND	0.46	2	7/26/12	0:24	WSD
Chloroethane	ND	0.10		ND	0.26	2	7/26/12	0:24	WSD
Chloroform	ND	0.10		ND	0.49	2	7/26/12	0:24	WSD
Chloromethane	ND	0.10		ND	0.21	2	7/26/12	0:24	WSD
Dibromochloromethane	ND	0.10		ND	0.85	2	7/26/12	0:24	WSD
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	7/26/12	0:24	WSD
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	0:24	WSD
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	0:24	WSD
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	0:24	WSD
Dichlorodifluoromethane (Freon 12)	0.52	0.10		2.6	0.49	2	7/26/12	0:24	WSD
1,1-Dichloroethane	ND	0.10		ND	0.40	2	7/26/12	0:24	WSD
1,2-Dichloroethane	ND	0.10		ND	0.40	2	7/26/12	0:24	WSD
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	0:24	WSD
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	0:24	WSD
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	0:24	WSD
1,2-Dichloropropane	ND	0.10		ND	0.46	2	7/26/12	0:24	WSD
1,3-Dichloropropane	ND	0.27		ND	1.2	2	7/26/12	0:24	WSD
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/26/12	0:24	WSD
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/26/12	0:24	WSD
Ethylbenzene	1.2	0.10		5.1	0.43	2	7/26/12	0:24	WSD
Isopropylbenzene (Cumene)	ND	0.25		ND	1.2	2	7/26/12	0:24	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.23		ND	1.3	2	7/26/12	0:24	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	7/26/12	0:24	WSD
Methylene Chloride	ND	1.0		ND	3.5	2	7/26/12	0:24	WSD
4-Methyl-2-pentanone (MIBK)	ND	0.10		ND	0.41	2	7/26/12	0:24	WSD
Styrene	0.39	0.10		1.7	0.43	2	7/26/12	0:24	WSD
1,1,1,2-Tetrachloroethane	ND	0.18		ND	1.2	2	7/26/12	0:24	WSD
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	7/26/12	0:24	WSD

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: MP-1
Sample ID: 12G0739-01
 Sample Matrix: Sub Slab
 Sampled: 7/20/2012 11:54

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1465
 Canister Size: 6 liter
 Flow Controller ID: 4205
 Sample Type: 30 min

Work Order: 12G0739
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -3
 Receipt Vacuum(in Hg): -2.5
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	0.21	0.10		1.5	0.68	2	7/26/12	0:24	WSD
Toluene	2.3	0.10		8.5	0.38	2	7/26/12	0:24	WSD
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	7/26/12	0:24	WSD
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	7/26/12	0:24	WSD
Trichloroethylene	0.20	0.10		1.1	0.54	2	7/26/12	0:24	WSD
Trichlorofluoromethane (Freon 11)	0.42	0.10		2.4	0.56	2	7/26/12	0:24	WSD
1,2,4-Trimethylbenzene	0.83	0.10		4.1	0.49	2	7/26/12	0:24	WSD
1,3,5-Trimethylbenzene	0.33	0.10		1.6	0.49	2	7/26/12	0:24	WSD
Vinyl Chloride	ND	0.10		ND	0.26	2	7/26/12	0:24	WSD
m&p-Xylene	2.8	0.20		12	0.87	2	7/26/12	0:24	WSD
o-Xylene	0.70	0.10		3.0	0.43	2	7/26/12	0:24	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	107	70-130	7/26/12 0:24
4-Bromofluorobenzene (2)	92.8	70-130	7/26/12 0:24

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: MP-3
Sample ID: 12G0739-02
 Sample Matrix: Sub Slab
 Sampled: 7/20/2012 12:02

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1881
 Canister Size: 6 liter
 Flow Controller ID: 4197
 Sample Type: 30 min

Work Order: 12G0739
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -6
 Receipt Vacuum(in Hg): -5.3
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	13	4.0		30	9.5	2	7/26/12	1:42	WSD
Acrylonitrile	ND	0.58		ND	1.2	2	7/26/12	1:42	WSD
Benzene	0.19	0.10		0.61	0.32	2	7/26/12	1:42	WSD
Bromodichloromethane	ND	0.10		ND	0.67	2	7/26/12	1:42	WSD
Bromoform	ND	0.10		ND	1.0	2	7/26/12	1:42	WSD
2-Butanone (MEK)	31	4.0		92	12	2	7/26/12	1:42	WSD
n-Butylbenzene	ND	0.29		ND	1.6	2	7/26/12	1:42	WSD
sec-Butylbenzene	ND	0.23		ND	1.3	2	7/26/12	1:42	WSD
Carbon Tetrachloride	ND	0.10		ND	0.63	2	7/26/12	1:42	WSD
Chlorobenzene	ND	0.10		ND	0.46	2	7/26/12	1:42	WSD
Chloroethane	ND	0.10		ND	0.26	2	7/26/12	1:42	WSD
Chloroform	ND	0.10		ND	0.49	2	7/26/12	1:42	WSD
Chloromethane	ND	0.10		ND	0.21	2	7/26/12	1:42	WSD
Dibromochloromethane	ND	0.10		ND	0.85	2	7/26/12	1:42	WSD
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	7/26/12	1:42	WSD
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	1:42	WSD
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	1:42	WSD
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	1:42	WSD
Dichlorodifluoromethane (Freon 12)	0.46	0.10		2.3	0.49	2	7/26/12	1:42	WSD
1,1-Dichloroethane	ND	0.10		ND	0.40	2	7/26/12	1:42	WSD
1,2-Dichloroethane	ND	0.10		ND	0.40	2	7/26/12	1:42	WSD
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	1:42	WSD
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	1:42	WSD
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	1:42	WSD
1,2-Dichloropropane	ND	0.10		ND	0.46	2	7/26/12	1:42	WSD
1,3-Dichloropropane	ND	0.27		ND	1.2	2	7/26/12	1:42	WSD
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/26/12	1:42	WSD
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/26/12	1:42	WSD
Ethylbenzene	0.12	0.10		0.53	0.43	2	7/26/12	1:42	WSD
Isopropylbenzene (Cumene)	ND	0.25		ND	1.2	2	7/26/12	1:42	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.23		ND	1.3	2	7/26/12	1:42	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	7/26/12	1:42	WSD
Methylene Chloride	ND	1.0		ND	3.5	2	7/26/12	1:42	WSD
4-Methyl-2-pentanone (MIBK)	ND	0.10		ND	0.41	2	7/26/12	1:42	WSD
Styrene	0.34	0.10		1.4	0.43	2	7/26/12	1:42	WSD
1,1,1,2-Tetrachloroethane	ND	0.18		ND	1.2	2	7/26/12	1:42	WSD
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	7/26/12	1:42	WSD

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: MP-3
Sample ID: 12G0739-02
 Sample Matrix: Sub Slab
 Sampled: 7/20/2012 12:02

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1881
 Canister Size: 6 liter
 Flow Controller ID: 4197
 Sample Type: 30 min

Work Order: 12G0739
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -6
 Receipt Vacuum(in Hg): -5.3
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	ND	0.10		ND	0.68	2	7/26/12	1:42	WSD
Toluene	0.92	0.10		3.5	0.38	2	7/26/12	1:42	WSD
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	7/26/12	1:42	WSD
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	7/26/12	1:42	WSD
Trichloroethylene	ND	0.10		ND	0.54	2	7/26/12	1:42	WSD
Trichlorofluoromethane (Freon 11)	0.20	0.10		1.1	0.56	2	7/26/12	1:42	WSD
1,2,4-Trimethylbenzene	0.26	0.10		1.3	0.49	2	7/26/12	1:42	WSD
1,3,5-Trimethylbenzene	ND	0.10		ND	0.49	2	7/26/12	1:42	WSD
Vinyl Chloride	ND	0.10		ND	0.26	2	7/26/12	1:42	WSD
m&p-Xylene	0.24	0.20		1.1	0.87	2	7/26/12	1:42	WSD
o-Xylene	ND	0.10		ND	0.43	2	7/26/12	1:42	WSD

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	106	70-130	7/26/12	1:42
4-Bromofluorobenzene (2)	91.6	70-130	7/26/12	1:42

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: MP-4
Sample ID: 12G0739-03
 Sample Matrix: Sub Slab
 Sampled: 7/20/2012 12:28

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1846
 Canister Size: 6 liter
 Flow Controller ID: 4195
 Sample Type: 30 min

Work Order: 12G0739
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -3
 Receipt Vacuum(in Hg): -3.2
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	160	4.0		370	9.5	2	7/26/12	3:01	WSD
Acrylonitrile	ND	0.58		ND	1.2	2	7/26/12	3:01	WSD
Benzene	0.28	0.10		0.88	0.32	2	7/26/12	3:01	WSD
Bromodichloromethane	ND	0.10		ND	0.67	2	7/26/12	3:01	WSD
Bromoform	ND	0.10		ND	1.0	2	7/26/12	3:01	WSD
2-Butanone (MEK)	1300	40		3700	120	20	7/26/12	3:39	WSD
n-Butylbenzene	ND	0.29		ND	1.6	2	7/26/12	3:01	WSD
sec-Butylbenzene	ND	0.23		ND	1.3	2	7/26/12	3:01	WSD
Carbon Tetrachloride	ND	0.10		ND	0.63	2	7/26/12	3:01	WSD
Chlorobenzene	ND	0.10		ND	0.46	2	7/26/12	3:01	WSD
Chloroethane	ND	0.10		ND	0.26	2	7/26/12	3:01	WSD
Chloroform	ND	0.10		ND	0.49	2	7/26/12	3:01	WSD
Chloromethane	ND	0.10		ND	0.21	2	7/26/12	3:01	WSD
Dibromochloromethane	ND	0.10		ND	0.85	2	7/26/12	3:01	WSD
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	7/26/12	3:01	WSD
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	3:01	WSD
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	3:01	WSD
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	3:01	WSD
Dichlorodifluoromethane (Freon 12)	0.51	0.10		2.5	0.49	2	7/26/12	3:01	WSD
1,1-Dichloroethane	ND	0.10		ND	0.40	2	7/26/12	3:01	WSD
1,2-Dichloroethane	ND	0.10		ND	0.40	2	7/26/12	3:01	WSD
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	3:01	WSD
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	3:01	WSD
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	3:01	WSD
1,2-Dichloropropane	ND	0.10		ND	0.46	2	7/26/12	3:01	WSD
1,3-Dichloropropane	ND	0.27		ND	1.2	2	7/26/12	3:01	WSD
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/26/12	3:01	WSD
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/26/12	3:01	WSD
Ethylbenzene	ND	0.10		ND	0.43	2	7/26/12	3:01	WSD
Isopropylbenzene (Cumene)	ND	0.25		ND	1.2	2	7/26/12	3:01	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.23		ND	1.3	2	7/26/12	3:01	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	7/26/12	3:01	WSD
Methylene Chloride	ND	1.0		ND	3.5	2	7/26/12	3:01	WSD
4-Methyl-2-pentanone (MIBK)	ND	0.10		ND	0.41	2	7/26/12	3:01	WSD
Styrene	0.44	0.10		1.9	0.43	2	7/26/12	3:01	WSD
1,1,1,2-Tetrachloroethane	ND	0.18		ND	1.2	2	7/26/12	3:01	WSD
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	7/26/12	3:01	WSD

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: MP-4
Sample ID: 12G0739-03
 Sample Matrix: Sub Slab
 Sampled: 7/20/2012 12:28

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1846
 Canister Size: 6 liter
 Flow Controller ID: 4195
 Sample Type: 30 min

Work Order: 12G0739
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -3
 Receipt Vacuum(in Hg): -3.2
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	0.51	0.10		3.5	0.68	2	7/26/12	3:01	WSD
Toluene	0.40	0.10		1.5	0.38	2	7/26/12	3:01	WSD
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	7/26/12	3:01	WSD
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	7/26/12	3:01	WSD
Trichloroethylene	17	0.10		92	0.54	2	7/26/12	3:01	WSD
Trichlorofluoromethane (Freon 11)	15	0.10		85	0.56	2	7/26/12	3:01	WSD
1,2,4-Trimethylbenzene	0.25	0.10		1.2	0.49	2	7/26/12	3:01	WSD
1,3,5-Trimethylbenzene	ND	0.10		ND	0.49	2	7/26/12	3:01	WSD
Vinyl Chloride	ND	0.10		ND	0.26	2	7/26/12	3:01	WSD
m&p-Xylene	ND	0.20		ND	0.87	2	7/26/12	3:01	WSD
o-Xylene	ND	0.10		ND	0.43	2	7/26/12	3:01	WSD

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	110	70-130	7/26/12	3:39
4-Bromofluorobenzene (1)	116	70-130	7/26/12	3:01
4-Bromofluorobenzene (2)	99.8	70-130	7/26/12	3:01

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: MP-6
Sample ID: 12G0739-04
 Sample Matrix: Sub Slab
 Sampled: 7/20/2012 12:11

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1061
 Canister Size: 6 liter
 Flow Controller ID: 4208
 Sample Type: 30 min

Work Order: 12G0739
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -1
 Receipt Vacuum(in Hg): -0.7
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	690	40		1600	95	20	7/26/12	5:36	WSD
Acrylonitrile	ND	0.58		ND	1.2	2	7/26/12	4:59	WSD
Benzene	0.13	0.10		0.43	0.32	2	7/26/12	4:59	WSD
Bromodichloromethane	ND	0.10		ND	0.67	2	7/26/12	4:59	WSD
Bromoform	ND	0.10		ND	1.0	2	7/26/12	4:59	WSD
2-Butanone (MEK)	650	40		1900	120	20	7/26/12	5:36	WSD
n-Butylbenzene	ND	0.29		ND	1.6	2	7/26/12	4:59	WSD
sec-Butylbenzene	ND	0.23		ND	1.3	2	7/26/12	4:59	WSD
Carbon Tetrachloride	ND	0.10		ND	0.63	2	7/26/12	4:59	WSD
Chlorobenzene	ND	0.10		ND	0.46	2	7/26/12	4:59	WSD
Chloroethane	ND	0.10		ND	0.26	2	7/26/12	4:59	WSD
Chloroform	ND	0.10		ND	0.49	2	7/26/12	4:59	WSD
Chloromethane	1.0	0.10		2.1	0.21	2	7/26/12	4:59	WSD
Dibromochloromethane	ND	0.10		ND	0.85	2	7/26/12	4:59	WSD
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	7/26/12	4:59	WSD
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	4:59	WSD
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	4:59	WSD
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	4:59	WSD
Dichlorodifluoromethane (Freon 12)	0.47	0.10		2.3	0.49	2	7/26/12	4:59	WSD
1,1-Dichloroethane	ND	0.10		ND	0.40	2	7/26/12	4:59	WSD
1,2-Dichloroethane	ND	0.10		ND	0.40	2	7/26/12	4:59	WSD
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	4:59	WSD
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	4:59	WSD
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	4:59	WSD
1,2-Dichloropropane	ND	0.10		ND	0.46	2	7/26/12	4:59	WSD
1,3-Dichloropropane	ND	0.27		ND	1.2	2	7/26/12	4:59	WSD
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/26/12	4:59	WSD
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/26/12	4:59	WSD
Ethylbenzene	0.11	0.10		0.47	0.43	2	7/26/12	4:59	WSD
Isopropylbenzene (Cumene)	ND	0.25		ND	1.2	2	7/26/12	4:59	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.23		ND	1.3	2	7/26/12	4:59	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	7/26/12	4:59	WSD
Methylene Chloride	ND	1.0		ND	3.5	2	7/26/12	4:59	WSD
4-Methyl-2-pentanone (MIBK)	ND	0.10		ND	0.41	2	7/26/12	4:59	WSD
Styrene	0.44	0.10		1.9	0.43	2	7/26/12	4:59	WSD
1,1,1,2-Tetrachloroethane	ND	0.18		ND	1.2	2	7/26/12	4:59	WSD
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	7/26/12	4:59	WSD

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: MP-6
Sample ID: 12G0739-04
 Sample Matrix: Sub Slab
 Sampled: 7/20/2012 12:11

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1061
 Canister Size: 6 liter
 Flow Controller ID: 4208
 Sample Type: 30 min

Work Order: 12G0739
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -1
 Receipt Vacuum(in Hg): -0.7
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	0.12	0.10		0.80	0.68	2	7/26/12	4:59	WSD
Toluene	0.68	0.10		2.5	0.38	2	7/26/12	4:59	WSD
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	7/26/12	4:59	WSD
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	7/26/12	4:59	WSD
Trichloroethylene	0.14	0.10		0.75	0.54	2	7/26/12	4:59	WSD
Trichlorofluoromethane (Freon 11)	0.38	0.10		2.2	0.56	2	7/26/12	4:59	WSD
1,2,4-Trimethylbenzene	0.22	0.10		1.1	0.49	2	7/26/12	4:59	WSD
1,3,5-Trimethylbenzene	ND	0.10		ND	0.49	2	7/26/12	4:59	WSD
Vinyl Chloride	ND	0.10		ND	0.26	2	7/26/12	4:59	WSD
m&p-Xylene	0.22	0.20		0.94	0.87	2	7/26/12	4:59	WSD
o-Xylene	ND	0.10		ND	0.43	2	7/26/12	4:59	WSD

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	110	70-130	7/26/12	5:36
4-Bromofluorobenzene (1)	111	70-130	7/26/12	4:59
4-Bromofluorobenzene (2)	96.9	70-130	7/26/12	4:59

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: IMP-1
Sample ID: 12G0739-05
 Sample Matrix: Sub Slab
 Sampled: 7/20/2012 10:29

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1123
 Canister Size: 6 liter
 Flow Controller ID: 4196
 Sample Type: 30 min

Work Order: 12G0739
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -4
 Receipt Vacuum(in Hg): -4.6
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	18	4.0		43	9.5	2	7/26/12	6:15	WSD
Acrylonitrile	ND	0.58		ND	1.2	2	7/26/12	6:15	WSD
Benzene	0.13	0.10		0.42	0.32	2	7/26/12	6:15	WSD
Bromodichloromethane	ND	0.10		ND	0.67	2	7/26/12	6:15	WSD
Bromoform	ND	0.10		ND	1.0	2	7/26/12	6:15	WSD
2-Butanone (MEK)	ND	4.0		ND	12	2	7/26/12	6:15	WSD
n-Butylbenzene	ND	0.29		ND	1.6	2	7/26/12	6:15	WSD
sec-Butylbenzene	ND	0.23		ND	1.3	2	7/26/12	6:15	WSD
Carbon Tetrachloride	ND	0.10		ND	0.63	2	7/26/12	6:15	WSD
Chlorobenzene	ND	0.10		ND	0.46	2	7/26/12	6:15	WSD
Chloroethane	ND	0.10		ND	0.26	2	7/26/12	6:15	WSD
Chloroform	ND	0.10		ND	0.49	2	7/26/12	6:15	WSD
Chloromethane	ND	0.10		ND	0.21	2	7/26/12	6:15	WSD
Dibromochloromethane	ND	0.10		ND	0.85	2	7/26/12	6:15	WSD
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	7/26/12	6:15	WSD
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	6:15	WSD
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	6:15	WSD
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	6:15	WSD
Dichlorodifluoromethane (Freon 12)	0.46	0.10		2.3	0.49	2	7/26/12	6:15	WSD
1,1-Dichloroethane	ND	0.10		ND	0.40	2	7/26/12	6:15	WSD
1,2-Dichloroethane	ND	0.10		ND	0.40	2	7/26/12	6:15	WSD
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	6:15	WSD
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	6:15	WSD
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	6:15	WSD
1,2-Dichloropropane	ND	0.10		ND	0.46	2	7/26/12	6:15	WSD
1,3-Dichloropropane	ND	0.27		ND	1.2	2	7/26/12	6:15	WSD
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/26/12	6:15	WSD
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/26/12	6:15	WSD
Ethylbenzene	0.18	0.10		0.76	0.43	2	7/26/12	6:15	WSD
Isopropylbenzene (Cumene)	ND	0.25		ND	1.2	2	7/26/12	6:15	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.23		ND	1.3	2	7/26/12	6:15	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	7/26/12	6:15	WSD
Methylene Chloride	ND	1.0		ND	3.5	2	7/26/12	6:15	WSD
4-Methyl-2-pentanone (MIBK)	ND	0.10		ND	0.41	2	7/26/12	6:15	WSD
Styrene	0.56	0.10		2.4	0.43	2	7/26/12	6:15	WSD
1,1,1,2-Tetrachloroethane	ND	0.18		ND	1.2	2	7/26/12	6:15	WSD
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	7/26/12	6:15	WSD

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: IMP-1
Sample ID: 12G0739-05
 Sample Matrix: Sub Slab
 Sampled: 7/20/2012 10:29

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1123
 Canister Size: 6 liter
 Flow Controller ID: 4196
 Sample Type: 30 min

Work Order: 12G0739
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -4
 Receipt Vacuum(in Hg): -4.6
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	ND	0.10		ND	0.68	2	7/26/12	6:15	WSD
Toluene	0.63	0.10		2.4	0.38	2	7/26/12	6:15	WSD
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	7/26/12	6:15	WSD
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	7/26/12	6:15	WSD
Trichloroethylene	ND	0.10		ND	0.54	2	7/26/12	6:15	WSD
Trichlorofluoromethane (Freon 11)	0.21	0.10		1.2	0.56	2	7/26/12	6:15	WSD
1,2,4-Trimethylbenzene	0.42	0.10		2.1	0.49	2	7/26/12	6:15	WSD
1,3,5-Trimethylbenzene	ND	0.10		ND	0.49	2	7/26/12	6:15	WSD
Vinyl Chloride	ND	0.10		ND	0.26	2	7/26/12	6:15	WSD
m&p-Xylene	0.39	0.20		1.7	0.87	2	7/26/12	6:15	WSD
o-Xylene	0.14	0.10		0.59	0.43	2	7/26/12	6:15	WSD

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	109	70-130	7/26/12	6:15
4-Bromofluorobenzene (2)	94.6	70-130	7/26/12	6:15

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: IMP-2
Sample ID: 12G0739-06
 Sample Matrix: Sub Slab
 Sampled: 7/20/2012 10:32

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1078
 Canister Size: 6 liter
 Flow Controller ID: 4198
 Sample Type: 30 min

Work Order: 12G0739
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -6
 Receipt Vacuum(in Hg): -6.2
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	9.0	4.0		21	9.5	2	7/26/12 10:08	WSD	
Acrylonitrile	ND	0.58		ND	1.2	2	7/26/12 10:08	WSD	
Benzene	0.13	0.10		0.40	0.32	2	7/26/12 10:08	WSD	
Bromodichloromethane	ND	0.10		ND	0.67	2	7/26/12 10:08	WSD	
Bromoform	ND	0.10		ND	1.0	2	7/26/12 10:08	WSD	
2-Butanone (MEK)	ND	4.0		ND	12	2	7/26/12 10:08	WSD	
n-Butylbenzene	ND	0.29		ND	1.6	2	7/26/12 10:08	WSD	
sec-Butylbenzene	ND	0.23		ND	1.3	2	7/26/12 10:08	WSD	
Carbon Tetrachloride	ND	0.10		ND	0.63	2	7/26/12 10:08	WSD	
Chlorobenzene	ND	0.10		ND	0.46	2	7/26/12 10:08	WSD	
Chloroethane	ND	0.10		ND	0.26	2	7/26/12 10:08	WSD	
Chloroform	0.12	0.10		0.58	0.49	2	7/26/12 10:08	WSD	
Chloromethane	ND	0.10		ND	0.21	2	7/26/12 10:08	WSD	
Dibromochloromethane	ND	0.10		ND	0.85	2	7/26/12 10:08	WSD	
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	7/26/12 10:08	WSD	
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12 10:08	WSD	
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12 10:08	WSD	
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12 10:08	WSD	
Dichlorodifluoromethane (Freon 12)	0.47	0.10		2.3	0.49	2	7/26/12 10:08	WSD	
1,1-Dichloroethane	ND	0.10		ND	0.40	2	7/26/12 10:08	WSD	
1,2-Dichloroethane	ND	0.10		ND	0.40	2	7/26/12 10:08	WSD	
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12 10:08	WSD	
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12 10:08	WSD	
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12 10:08	WSD	
1,2-Dichloropropane	ND	0.10		ND	0.46	2	7/26/12 10:08	WSD	
1,3-Dichloropropane	ND	0.27		ND	1.2	2	7/26/12 10:08	WSD	
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/26/12 10:08	WSD	
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/26/12 10:08	WSD	
Ethylbenzene	0.11	0.10		0.46	0.43	2	7/26/12 10:08	WSD	
Isopropylbenzene (Cumene)	ND	0.25		ND	1.2	2	7/26/12 10:08	WSD	
p-Isopropyltoluene (p-Cymene)	ND	0.23		ND	1.3	2	7/26/12 10:08	WSD	
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	7/26/12 10:08	WSD	
Methylene Chloride	ND	1.0		ND	3.5	2	7/26/12 10:08	WSD	
4-Methyl-2-pentanone (MIBK)	0.11	0.10		0.46	0.41	2	7/26/12 10:08	WSD	
Styrene	0.60	0.10		2.6	0.43	2	7/26/12 10:08	WSD	
1,1,1,2-Tetrachloroethane	ND	0.18		ND	1.2	2	7/26/12 10:08	WSD	
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	7/26/12 10:08	WSD	

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: IMP-2
Sample ID: 12G0739-06
 Sample Matrix: Sub Slab
 Sampled: 7/20/2012 10:32

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1078
 Canister Size: 6 liter
 Flow Controller ID: 4198
 Sample Type: 30 min

Work Order: 12G0739
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -6
 Receipt Vacuum(in Hg): -6.2
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	1.3	0.10		8.9	0.68	2	7/26/12 10:08		WSD
Toluene	0.47	0.10		1.8	0.38	2	7/26/12 10:08		WSD
1,1,1-Trichloroethane	0.13	0.10		0.70	0.55	2	7/26/12 10:08		WSD
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	7/26/12 10:08		WSD
Trichloroethylene	6.5	0.10		35	0.54	2	7/26/12 10:08		WSD
Trichlorofluoromethane (Freon 11)	2.6	0.10		15	0.56	2	7/26/12 10:08		WSD
1,2,4-Trimethylbenzene	0.23	0.10		1.1	0.49	2	7/26/12 10:08		WSD
1,3,5-Trimethylbenzene	ND	0.10		ND	0.49	2	7/26/12 10:08		WSD
Vinyl Chloride	ND	0.10		ND	0.26	2	7/26/12 10:08		WSD
m&p-Xylene	0.24	0.20		1.1	0.87	2	7/26/12 10:08		WSD
o-Xylene	0.10	0.10		0.44	0.43	2	7/26/12 10:08		WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	104	70-130	7/26/12 10:08
4-Bromofluorobenzene (2)	87.6	70-130	7/26/12 10:08

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: RTF-1
Sample ID: 12G0739-07
 Sample Matrix: Sub Slab
 Sampled: 7/20/2012 10:59

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1114
 Canister Size: 6 liter
 Flow Controller ID: 5009
 Sample Type: Grab

Work Order: 12G0739
 Initial Vacuum(in Hg): -24
 Final Vacuum(in Hg): -8
 Receipt Vacuum(in Hg): -9.5
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	9.5	4.0		23	9.5	2	7/26/12	7:33	WSD
Acrylonitrile	ND	0.58		ND	1.2	2	7/26/12	7:33	WSD
Benzene	0.12	0.10		0.38	0.32	2	7/26/12	7:33	WSD
Bromodichloromethane	ND	0.10		ND	0.67	2	7/26/12	7:33	WSD
Bromoform	ND	0.10		ND	1.0	2	7/26/12	7:33	WSD
2-Butanone (MEK)	ND	4.0		ND	12	2	7/26/12	7:33	WSD
n-Butylbenzene	ND	0.29		ND	1.6	2	7/26/12	7:33	WSD
sec-Butylbenzene	ND	0.23		ND	1.3	2	7/26/12	7:33	WSD
Carbon Tetrachloride	ND	0.10		ND	0.63	2	7/26/12	7:33	WSD
Chlorobenzene	ND	0.10		ND	0.46	2	7/26/12	7:33	WSD
Chloroethane	ND	0.10		ND	0.26	2	7/26/12	7:33	WSD
Chloroform	ND	0.10		ND	0.49	2	7/26/12	7:33	WSD
Chloromethane	ND	0.10		ND	0.21	2	7/26/12	7:33	WSD
Dibromochloromethane	ND	0.10		ND	0.85	2	7/26/12	7:33	WSD
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	7/26/12	7:33	WSD
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	7:33	WSD
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	7:33	WSD
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	7:33	WSD
Dichlorodifluoromethane (Freon 12)	0.43	0.10		2.1	0.49	2	7/26/12	7:33	WSD
1,1-Dichloroethane	ND	0.10		ND	0.40	2	7/26/12	7:33	WSD
1,2-Dichloroethane	ND	0.10		ND	0.40	2	7/26/12	7:33	WSD
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	7:33	WSD
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	7:33	WSD
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	7:33	WSD
1,2-Dichloropropane	ND	0.10		ND	0.46	2	7/26/12	7:33	WSD
1,3-Dichloropropane	ND	0.27		ND	1.2	2	7/26/12	7:33	WSD
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/26/12	7:33	WSD
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/26/12	7:33	WSD
Ethylbenzene	ND	0.10		ND	0.43	2	7/26/12	7:33	WSD
Isopropylbenzene (Cumene)	ND	0.25		ND	1.2	2	7/26/12	7:33	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.23		ND	1.3	2	7/26/12	7:33	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	7/26/12	7:33	WSD
Methylene Chloride	ND	1.0		ND	3.5	2	7/26/12	7:33	WSD
4-Methyl-2-pentanone (MIBK)	ND	0.10		ND	0.41	2	7/26/12	7:33	WSD
Styrene	ND	0.10		ND	0.43	2	7/26/12	7:33	WSD
1,1,1,2-Tetrachloroethane	ND	0.18		ND	1.2	2	7/26/12	7:33	WSD
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	7/26/12	7:33	WSD

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: RTF-1
Sample ID: 12G0739-07
 Sample Matrix: Sub Slab
 Sampled: 7/20/2012 10:59

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1114
 Canister Size: 6 liter
 Flow Controller ID: 5009
 Sample Type: Grab

Work Order: 12G0739
 Initial Vacuum(in Hg): -24
 Final Vacuum(in Hg): -8
 Receipt Vacuum(in Hg): -9.5
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	4.4	0.10		30	0.68	2	7/26/12	7:33	WSD
Toluene	0.35	0.10		1.3	0.38	2	7/26/12	7:33	WSD
1,1,1-Trichloroethane	0.35	0.10		1.9	0.55	2	7/26/12	7:33	WSD
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	7/26/12	7:33	WSD
Trichloroethylene	17	0.10		89	0.54	2	7/26/12	7:33	WSD
Trichlorofluoromethane (Freon 11)	6.7	0.10		38	0.56	2	7/26/12	7:33	WSD
1,2,4-Trimethylbenzene	ND	0.10		ND	0.49	2	7/26/12	7:33	WSD
1,3,5-Trimethylbenzene	ND	0.10		ND	0.49	2	7/26/12	7:33	WSD
Vinyl Chloride	ND	0.10		ND	0.26	2	7/26/12	7:33	WSD
m&p-Xylene	ND	0.20		ND	0.87	2	7/26/12	7:33	WSD
o-Xylene	ND	0.10		ND	0.43	2	7/26/12	7:33	WSD

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	109	70-130	7/26/12	7:33
4-Bromofluorobenzene (2)	93.6	70-130	7/26/12	7:33

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: RTF-2
Sample ID: 12G0739-08
 Sample Matrix: Sub Slab
 Sampled: 7/20/2012 10:54

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1237
 Canister Size: 6 liter
 Flow Controller ID: 5007
 Sample Type: Grab

Work Order: 12G0739
 Initial Vacuum(in Hg): -26
 Final Vacuum(in Hg): -8
 Receipt Vacuum(in Hg): -8
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	7.3	4.0		17	9.5	2	7/26/12	8:51	WSD
Acrylonitrile	ND	0.58		ND	1.2	2	7/26/12	8:51	WSD
Benzene	0.11	0.10		0.36	0.32	2	7/26/12	8:51	WSD
Bromodichloromethane	ND	0.10		ND	0.67	2	7/26/12	8:51	WSD
Bromoform	ND	0.10		ND	1.0	2	7/26/12	8:51	WSD
2-Butanone (MEK)	ND	4.0		ND	12	2	7/26/12	8:51	WSD
n-Butylbenzene	ND	0.29		ND	1.6	2	7/26/12	8:51	WSD
sec-Butylbenzene	ND	0.23		ND	1.3	2	7/26/12	8:51	WSD
Carbon Tetrachloride	ND	0.10		ND	0.63	2	7/26/12	8:51	WSD
Chlorobenzene	ND	0.10		ND	0.46	2	7/26/12	8:51	WSD
Chloroethane	ND	0.10		ND	0.26	2	7/26/12	8:51	WSD
Chloroform	ND	0.10		ND	0.49	2	7/26/12	8:51	WSD
Chloromethane	ND	0.10		ND	0.21	2	7/26/12	8:51	WSD
Dibromochloromethane	ND	0.10		ND	0.85	2	7/26/12	8:51	WSD
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	7/26/12	8:51	WSD
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	8:51	WSD
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	8:51	WSD
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	8:51	WSD
Dichlorodifluoromethane (Freon 12)	0.44	0.10		2.2	0.49	2	7/26/12	8:51	WSD
1,1-Dichloroethane	ND	0.10		ND	0.40	2	7/26/12	8:51	WSD
1,2-Dichloroethane	ND	0.10		ND	0.40	2	7/26/12	8:51	WSD
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	8:51	WSD
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	8:51	WSD
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	8:51	WSD
1,2-Dichloropropane	ND	0.10		ND	0.46	2	7/26/12	8:51	WSD
1,3-Dichloropropane	ND	0.27		ND	1.2	2	7/26/12	8:51	WSD
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/26/12	8:51	WSD
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/26/12	8:51	WSD
Ethylbenzene	ND	0.10		ND	0.43	2	7/26/12	8:51	WSD
Isopropylbenzene (Cumene)	ND	0.25		ND	1.2	2	7/26/12	8:51	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.23		ND	1.3	2	7/26/12	8:51	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	7/26/12	8:51	WSD
Methylene Chloride	ND	1.0		ND	3.5	2	7/26/12	8:51	WSD
4-Methyl-2-pentanone (MIBK)	ND	0.10		ND	0.41	2	7/26/12	8:51	WSD
Styrene	ND	0.10		ND	0.43	2	7/26/12	8:51	WSD
1,1,1,2-Tetrachloroethane	ND	0.18		ND	1.2	2	7/26/12	8:51	WSD
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	7/26/12	8:51	WSD

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: RTF-2
Sample ID: 12G0739-08
 Sample Matrix: Sub Slab
 Sampled: 7/20/2012 10:54

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1237
 Canister Size: 6 liter
 Flow Controller ID: 5007
 Sample Type: Grab

Work Order: 12G0739
 Initial Vacuum(in Hg): -26
 Final Vacuum(in Hg): -8
 Receipt Vacuum(in Hg): -8
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	2.1	0.10		14	0.68	2	7/26/12	8:51	WSD
Toluene	0.22	0.10		0.83	0.38	2	7/26/12	8:51	WSD
1,1,1-Trichloroethane	0.32	0.10		1.7	0.55	2	7/26/12	8:51	WSD
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	7/26/12	8:51	WSD
Trichloroethylene	19	0.10		100	0.54	2	7/26/12	8:51	WSD
Trichlorofluoromethane (Freon 11)	17	0.10		93	0.56	2	7/26/12	8:51	WSD
1,2,4-Trimethylbenzene	ND	0.10		ND	0.49	2	7/26/12	8:51	WSD
1,3,5-Trimethylbenzene	ND	0.10		ND	0.49	2	7/26/12	8:51	WSD
Vinyl Chloride	ND	0.10		ND	0.26	2	7/26/12	8:51	WSD
m&p-Xylene	ND	0.20		ND	0.87	2	7/26/12	8:51	WSD
o-Xylene	ND	0.10		ND	0.43	2	7/26/12	8:51	WSD

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	106	70-130	7/26/12	8:51
4-Bromofluorobenzene (2)	90.6	70-130	7/26/12	8:51

Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
12G0739-01 [MP-1]	B056099	1	1	N/A	1000	400	200	07/25/12
12G0739-02 [MP-3]	B056099	1	1	N/A	1000	400	200	07/25/12
12G0739-03 [MP-4]	B056099	1	1	N/A	1000	400	200	07/25/12
12G0739-03RE1 [MP-4]	B056099	1	1	N/A	1000	400	20	07/25/12
12G0739-04 [MP-6]	B056099	1	1	N/A	1000	400	200	07/25/12
12G0739-04RE1 [MP-6]	B056099	1	1	N/A	1000	400	20	07/25/12
12G0739-05 [IMP-1]	B056099	1	1	N/A	1000	400	200	07/25/12
12G0739-06 [IMP-2]	B056099	1	1	N/A	1000	400	200	07/25/12
12G0739-07 [RTF-1]	B056099	1.5	1	N/A	1000	400	300	07/25/12
12G0739-08 [RTF-2]	B056099	1.5	1	N/A	1000	400	300	07/25/12

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

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

Batch B056099 - TO-15 Prep

Blank (B056099-BLK1)

Prepared & Analyzed: 07/25/12

Acetone	ND	1.0
Acrylonitrile	ND	0.14
Benzene	ND	0.025
Bromodichloromethane	ND	0.025
Bromoform	ND	0.025
2-Butanone (MEK)	ND	1.0
n-Butylbenzene	ND	0.072
sec-Butylbenzene	ND	0.057
Carbon Tetrachloride	ND	0.025
Chlorobenzene	ND	0.025
Chloroethane	ND	0.025
Chloroform	ND	0.025
Chloromethane	ND	0.025
Dibromochloromethane	ND	0.025
1,2-Dibromoethane (EDB)	ND	0.025
1,2-Dichlorobenzene	ND	0.025
1,3-Dichlorobenzene	ND	0.025
1,4-Dichlorobenzene	ND	0.025
Dichlorodifluoromethane (Freon 12)	ND	0.025
1,1-Dichloroethane	ND	0.025
1,2-Dichloroethane	ND	0.025
1,1-Dichloroethylene	ND	0.025
cis-1,2-Dichloroethylene	ND	0.025
trans-1,2-Dichloroethylene	ND	0.025
1,2-Dichloropropane	ND	0.025
1,3-Dichloropropane	ND	0.068
cis-1,3-Dichloropropene	ND	0.025
trans-1,3-Dichloropropene	ND	0.025
Ethylbenzene	ND	0.025
Isopropylbenzene (Cumene)	ND	0.064
p-Isopropyltoluene (p-Cymene)	ND	0.057
Methyl tert-Butyl Ether (MTBE)	ND	0.025
Methylene Chloride	ND	0.25
4-Methyl-2-pentanone (MIBK)	ND	0.025
Styrene	ND	0.025
1,1,1,2-Tetrachloroethane	ND	0.046
1,1,2,2-Tetrachloroethane	ND	0.025
Tetrachloroethylene	ND	0.025
Toluene	ND	0.025
1,1,1-Trichloroethane	ND	0.025
1,1,2-Trichloroethane	ND	0.025
Trichloroethylene	ND	0.025
Trichlorofluoromethane (Freon 11)	ND	0.025
1,2,4-Trimethylbenzene	ND	0.025
1,3,5-Trimethylbenzene	ND	0.025
Vinyl Chloride	ND	0.025

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

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

Batch B056099 - TO-15 Prep

Blank (B056099-BLK1)

Prepared & Analyzed: 07/25/12

m&p-Xylene	ND	0.050									
o-Xylene	ND	0.025									
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	8.82				8.00		110	70-130			
<i>Surrogate: 4-Bromofluorobenzene (2)</i>	7.78				8.00		97.2	70-130			

LCS (B056099-BS1)

Prepared & Analyzed: 07/25/12

Acetone	6.18				5.00		124	50-150			
Acrylonitrile	3.85				2.88		134 *	70-130			L-01, V-06
Benzene	4.38				5.00		87.6	70-130			
Bromodichloromethane	5.27				5.00		105	70-130			
Bromoform	6.02				5.00		120	70-130			
2-Butanone (MEK)	4.86				5.00		97.1	70-130			
n-Butylbenzene	0.989				1.14		86.8	50-150			
sec-Butylbenzene	0.888				1.14		77.9	50-150			
Carbon Tetrachloride	5.54				5.00		111	70-130			
Chlorobenzene	4.37				5.00		87.3	70-130			
Chloroethane	5.53				5.00		111	70-130			
Chloroform	4.25				5.00		85.0	70-130			
Chloromethane	5.62				5.00		112	70-130			
Dibromochloromethane	5.27				5.00		105	70-130			
1,2-Dibromoethane (EDB)	4.79				5.00		95.7	70-130			
1,2-Dichlorobenzene	4.66				5.00		93.3	70-130			
1,3-Dichlorobenzene	4.77				5.00		95.5	70-130			
1,4-Dichlorobenzene	4.73				5.00		94.6	70-130			
Dichlorodifluoromethane (Freon 12)	4.84				5.00		96.9	70-130			
1,1-Dichloroethane	4.34				5.00		86.9	70-130			
1,2-Dichloroethane	4.85				5.00		97.0	70-130			
1,1-Dichloroethylene	4.41				5.00		88.2	70-130			
cis-1,2-Dichloroethylene	4.43				5.00		88.6	70-130			
trans-1,2-Dichloroethylene	4.21				5.00		84.3	70-130			
1,2-Dichloropropane	4.90				5.00		98.0	70-130			
1,3-Dichloropropane	1.01				1.35		75.0	70-130			
cis-1,3-Dichloropropene	5.37				5.00		107	70-130			
trans-1,3-Dichloropropene	5.26				5.00		105	70-130			
Ethylbenzene	4.88				5.00		97.5	70-130			
Isopropylbenzene (Cumene)	0.963				1.27		75.8	70-130			
p-Isopropyltoluene (p-Cymene)	0.892				1.14		78.2	50-150			
Methyl tert-Butyl Ether (MTBE)	4.47				5.00		89.4	70-130			
Methylene Chloride	4.80				5.00		96.1	70-130			
4-Methyl-2-pentanone (MIBK)	5.26				5.00		105	70-130			
Styrene	4.87				5.00		97.5	70-130			
1,1,1,2-Tetrachloroethane	0.644				0.910		70.8	50-150			
1,1,2,2-Tetrachloroethane	4.81				5.00		96.2	70-130			
Tetrachloroethylene	4.65				5.00		93.1	70-130			
Toluene	4.66				5.00		93.2	70-130			
1,1,1-Trichloroethane	5.16				5.00		103	70-130			
1,1,2-Trichloroethane	4.65				5.00		93.0	70-130			

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

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

Batch B056099 - TO-15 Prep

LCS (B056099-BS1)

Prepared & Analyzed: 07/25/12

Trichloroethylene	4.66				5.00		93.3	70-130			
Trichlorofluoromethane (Freon 11)	4.80				5.00		95.9	70-130			
1,2,4-Trimethylbenzene	5.06				5.00		101	70-130			
1,3,5-Trimethylbenzene	5.06				5.00		101	70-130			
Vinyl Chloride	5.17				5.00		103	70-130			
m&p-Xylene	10.3				10.0		103	70-130			
o-Xylene	5.12				5.00		102	70-130			
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	<i>8.64</i>				<i>8.00</i>		<i>108</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene (2)</i>	<i>7.57</i>				<i>8.00</i>		<i>94.6</i>	<i>70-130</i>			

Duplicate (B056099-DUP1)

Source: 12G0739-06

Prepared: 07/25/12 Analyzed: 07/26/12

Acetone	8.4	4.0	20	9.5		9.0			7.62	25	
Acrylonitrile	ND	0.58	ND	1.2		ND				25	
Benzene	0.12	0.10	0.37	0.32		0.13			8.26	25	
Bromodichloromethane	ND	0.10	ND	0.67		ND				25	
Bromoform	ND	0.10	ND	1.0		ND				25	
2-Butanone (MEK)	0.86	4.0	2.5	12		0.91			5.88	25	
n-Butylbenzene	ND	0.29	ND	1.6		ND				25	
sec-Butylbenzene	ND	0.23	ND	1.3		ND				25	
Carbon Tetrachloride	ND	0.10	ND	0.63		ND				25	
Chlorobenzene	ND	0.10	ND	0.46		ND				25	
Chloroethane	ND	0.10	ND	0.26		ND				25	
Chloroform	0.11	0.10	0.55	0.49		0.12			5.22	25	
Chloromethane	ND	0.10	ND	0.21		ND				25	
Dibromochloromethane	ND	0.10	ND	0.85		ND				25	
1,2-Dibromoethane (EDB)	ND	0.10	ND	0.77		ND				25	
1,2-Dichlorobenzene	ND	0.10	ND	0.60		ND				25	
1,3-Dichlorobenzene	ND	0.10	ND	0.60		ND				25	
1,4-Dichlorobenzene	ND	0.10	ND	0.60		ND				25	
Dichlorodifluoromethane (Freon 12)	0.45	0.10	2.2	0.49		0.47			3.94	25	
1,1-Dichloroethane	ND	0.10	ND	0.40		ND				25	
1,2-Dichloroethane	ND	0.10	ND	0.40		ND				25	
1,1-Dichloroethylene	ND	0.10	ND	0.40		ND				25	
cis-1,2-Dichloroethylene	ND	0.10	ND	0.40		ND				25	
trans-1,2-Dichloroethylene	ND	0.10	ND	0.40		ND				25	
1,2-Dichloropropane	ND	0.10	ND	0.46		ND				25	
1,3-Dichloropropane	ND	0.27	ND	1.2		ND				25	
cis-1,3-Dichloropropene	ND	0.10	ND	0.45		ND				25	
trans-1,3-Dichloropropene	ND	0.10	ND	0.45		ND				25	
Ethylbenzene	0.11	0.10	0.46	0.43		0.11			0.00	25	
Isopropylbenzene (Cumene)	ND	0.25	ND	1.2		ND				25	
p-Isopropyltoluene (p-Cymene)	ND	0.23	ND	1.3		ND				25	
Methyl tert-Butyl Ether (MTBE)	ND	0.10	ND	0.36		ND				25	
Methylene Chloride	0.58	1.0	2.0	3.5		0.60			4.75	25	
4-Methyl-2-pentanone (MIBK)	0.12	0.10	0.48	0.41		0.11			5.22	25	
Styrene	0.58	0.10	2.5	0.43		0.60			3.71	25	
1,1,1,2-Tetrachloroethane	ND	0.18	ND	1.2		ND				25	

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level ppbv	Source Result	%REC Limits	RPD	RPD Limit	Flag
	Results	RL	Results	RL						
Batch B056099 - TO-15 Prep										
Duplicate (B056099-DUP1)		Source: 12G0739-06				Prepared: 07/25/12 Analyzed: 07/26/12				
1,1,2,2-Tetrachloroethane	ND	0.10	ND	0.69		ND				25
Tetrachloroethylene	1.3	0.10	8.9	0.68		1.3		0.304		25
Toluene	0.46	0.10	1.7	0.38		0.47		2.13		25
1,1,1-Trichloroethane	0.12	0.10	0.63	0.55		0.13		9.84		25
1,1,2-Trichloroethane	ND	0.10	ND	0.55		ND				25
Trichloroethylene	6.2	0.10	33	0.54		6.5		5.43		25
Trichlorofluoromethane (Freon 11)	2.4	0.10	13	0.56		2.6		9.11		25
1,2,4-Trimethylbenzene	0.22	0.10	1.1	0.49		0.23		1.79		25
1,3,5-Trimethylbenzene	ND	0.10	ND	0.49		ND				25
Vinyl Chloride	ND	0.10	ND	0.26		ND				25
m&p-Xylene	0.24	0.20	1.0	0.87		0.24		1.67		25
o-Xylene	ND	0.10	ND	0.43		0.10				25
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	<i>8.31</i>					<i>8.00</i>		<i>104</i>		<i>70-130</i>
<i>Surrogate: 4-Bromofluorobenzene (2)</i>	<i>7.16</i>					<i>8.00</i>		<i>89.6</i>		<i>70-130</i>

FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
 - † Wide recovery limits established for difficult compound.
 - ‡ Wide RPD limits established for difficult compound.
 - # Data exceeded client recommended or regulatory level
- Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
- L-01 Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
 - V-06 Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

CERTIFICATIONS

Certified Analyses included in this Report

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

CERTIFICATIONS

Certified Analyses included in this Report

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

EPA TO-15 in Air

o-Xylene AIHA,FL,NJ,NY

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2013
CT	Connecticut Department of Public Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2013
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2013
RI	Rhode Island Department of Health	LAO00112	12/30/2012
NC	North Carolina Div. of Water Quality	652	12/31/2012
NJ	New Jersey DEP	MA007 NELAP	06/30/2013
FL	Florida Department of Health	E871027 NELAP	06/30/2013
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2013
WA	State of Washington Department of Ecology	C2065	02/23/2013
ME	State of Maine	2011028	06/9/2013
VA	Commonwealth of Virginia	1381	12/14/2012



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

AIR SAMPLE CHAIN OF CUSTODY RECORD
 1260739

39 SPRUCE ST
 EAST LONGMEADOW, MA 01028

Page ____ of ____
 Rev. July 2010
 DOC# 284

Company Name: EA Engineering
 Address: 2374 Post Road
 Suite 102
 Paul Theroux

Telephone: (401) 736-3440
 Project # 14687.01
 Client PO #

Project Location: Alvarez High School, Providence, RI
 Sampled By: P.T. and M.T.

Proposal Provided? (For Billing purposes)

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Fax #: (401) 736-3423
 Email: phtheroux@eaest.com
 Format: EXCEL PDF GIS KEY OTHER

Field ID	Sample Description	Media Lab #	Date Time	Date Time	Total Minutes Sampled	Flow Rate M ³ /Min. or L / Min.	Volume Liters or M ³	Matrix Code*	TO-15 SIM per contract			
									Start	Stop		
MP-1	S	01	7/20/12 1124	7/20/12 1154				SS	30	3	1465	4205
MP-3	S	02	7/20/12 1134	7/20/12 1202				SS	30	6	1881	4197
MP-4	S	03	7/20/12 1156	7/20/12 1228				SS	30	3	1846	4195
MP-6	S	04	7/20/12 1144	7/20/12 1211				SS	29	1	1061	4208
IMP-1	S	05	7/20/12 1000	7/20/12 1029				SS	30	4	1123	4196
IMP-2	S	06	7/20/12 1006	7/20/12 1032				SS	30	6	1078	4198

Retrieved by (signature) [Signature]
 Date/Time: 7/23/12-10:52

Received by (signature) [Signature]
 Date/Time: 7/23/12-10:52

Requisitioned by (signature) [Signature]
 Date/Time: 7/23/12-18:39

Received by (signature) [Signature]
 Date/Time: 7/23/12-18:39

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

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

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

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

Laboratory Comments:

CLIENT COMMENTS:

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AIHA, NELAP & WBE/DBE Certified



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

AIR SAMPLE CHAIN OF CUSTODY RECORD

39 SPRUCE ST
 EAST LONGMEADOW, MA 01028

Page ____ of ____
 Rev. July 2010
 DOC#284

Company Name: EA Engineering
 Address: 2374 Post Road
 Suite 102
 Paul Theroux

Project Location: Awarex High School, Providence, RI
 Sampled By: P.T. and M.T.

Proposal Provided? (For Billing purposes)
 yes no

Telephone: (401) 736-3440
 Project # 14687.01
 Client PO #

Field ID	Sample Description	Media	Lab #
RTE-1	S		01
RTE-2	S		08

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Fax #: (401) 736-3423
 Email: pheroux@eaest.com
 Format: EXCEL PDF GIS KEY OTHER

Date Sampled	Date	Stop	Total	Flow Rate	Volume	Matrix
	Time	Time	Minutes Sampled	M ² /Min. or L / Min.	Liters or M ³	Code*
7/20/12	1059	grab				SS
7/20/12	1054	grab				SS

ANALYSIS REQUESTED

TO-15 SIM per contract

Summa canisters will be retained for a minimum of 14 days after sampling date prior to cleaning.

Summa canisters and flow controllers must be returned within 14 days of receipt or rental fees will apply.

Summa canisters will be retained for a minimum of 14 days after sampling date prior to cleaning.

Laboratory Comments:

CLIENT COMMENTS:
 grab samples

Received by (signature)	Date/Time
<i>[Signature]</i>	7/23/12 1:50
<i>[Signature]</i>	7/23/12 7:50
<i>[Signature]</i>	7/23/12 18:30

Turnaround**

7-Day
 10-Day
 Other _____

RUSH*

*24-Hr *48-Hr
 *72-Hr *4-Day

*Approval Required

Special Requirements

Regulations: _____

Data Enhancement/RCP? Y N
 Enhanced Data Package Y N
 (Surcharge Applies)

Required Detection Limits: per contract
 Other: _____

***Matrix Codes:**

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

****Media Codes:**

S= summa can
 T= tedlar bag
 P= PUF
 T= tube
 F= filter
 C= cassette
 O= Other

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AHHA, NELAC & WBE/DBE Certified



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

AIR Only Receipt Checklist

CLIENT NAME: EA Engineering RECEIVED BY: KKM DATE: 7-23-12

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

Who was notified _____ Date _____ Time _____

6) Location where samples are stored:

Air Lab

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

Air Media received at Con-Test

		# of Containers	Types (Size, Duration)
Air Sampling Media	Summa Cans	2	6L
	Tedlar Bags		
	Tubes		
Flow Controllers	Regulators	2	6L Grab
	Restrictors		
Extras	Tubing		
	Other		

Unused Summas:
1114
1237
Unused Summa: 1247
S.D. 7/23/12

Unused Regulators:
5007
5009
Unused Regulator: 5008
WASP S.D. 7/23/12

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

Laboratory Comments:



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

AIR Only Receipt Checklist

CLIENT NAME: EA Engineering RECEIVED BY: SD DATE: 7/23/12

1) Was the chain(s) of custody relinquished and signed? Yes No

2) Does the chain agree with the samples? Yes No
 If not, explain:

3) Are all the samples in good condition? Yes No
 If not, explain:

4) Are there any samples "On Hold"? Yes No Stored where:

5) Are there any RUSH or SHORT HOLDING TIME samples? Yes No
 Who was notified _____ Date _____ Time _____

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

Containers received at Con-Test		
	# of Containers	Types (Size, Duration)
Summa Cans	6	6 Liter
Tedlar Bags		
Tubes		
Regulators	6	30min 6 Liter
Restrictors		
Tubing		
Other		

Unused Summas:
 1465 1846 1123
 1881 1061 1078

Unused Regulators:
 4205 4195 4196
 4197 4208 4198

1) Was all media (used & unused checked into the WASP?

2) Were all returned summa cans, Restrictors, & Regulators documented as returned in the Air Lab Inbound/Outbound Excel Spreadsheet?

Laboratory Comments:

APPENDIX D

Rooftop Emission Analytical Summary and Lab Report

Alvarez School - Sub Slab Depressurization System Emissions Calculations
20 July and 31 August 2012

Volatile Organic Compounds	ROOFTOP FAN 1				ROOFTOP FAN 2				ROOFTOP FAN 3				CUMULATIVE EMISSIONS (3 fans combined)					
	Measured Flow Speed (fpm): 2743		Measured Flow Rate (cfm): 134.6		Measured Flow Speed (fpm): 2095		Measured Flow Rate (cfm): 102.8		Measured Flow Speed (fpm): 2188		Measured Flow Rate (cfm): 107.4		Hourly Emission (lbs/hour)	Daily Emission (lbs/day)	Yearly Emission (lbs/year)			
	Concentration (ug/m ³)	Hourly Emission (lbs/hour)	Daily Emission (lbs/day)	Yearly Emission (lbs/year)	Concentration (ug/m ³)	Hourly Emission (lbs/hour)	Daily Emission (lbs/day)	Yearly Emission (lbs/year)	Concentration (ug/m ³)	Hourly Emission (lbs/hour)	Daily Emission (lbs/day)	Yearly Emission (lbs/year)						
Acetone	23.00	1.16E-05	2.78E-04	1.01E-01	17.00	6.54E-06	1.57E-04	5.72E-02	48	U	1.93E-05	4.63E-04	1.69E-01	3.74E-05	8.97E-04	3.27E-01		
Acrylonitrile	1.20	U	6.04E-07	1.45E-05	5.29E-03	1.20	U	4.61E-07	1.11E-05	4.04E-03	6.2	U	2.49E-06	5.97E-05	2.18E-02	3.55E-06	8.53E-05	3.11E-02
Benzene	0.38	U	1.91E-07	4.59E-06	1.68E-03	0.36	U	1.38E-07	3.32E-06	1.21E-03	1.6	U	6.42E-07	1.54E-05	5.63E-03	9.72E-07	2.33E-05	8.52E-03
Bromodichloromethane	0.67	U	3.37E-07	8.09E-06	2.95E-03	0.67	U	2.58E-07	6.18E-06	2.26E-03	3.4	U	1.37E-06	3.28E-05	1.20E-02	1.96E-06	4.70E-05	1.72E-02
Bromoform	1.00	U	5.03E-07	1.21E-05	4.41E-03	1.00	U	3.84E-07	9.23E-06	3.37E-03	5.2	U	2.09E-06	5.01E-05	1.83E-02	2.98E-06	7.14E-05	2.61E-02
2-Butanone	12.00	U	6.04E-06	1.45E-04	5.29E-02	12.00	U	4.61E-06	1.11E-04	4.04E-02	59	U	2.37E-05	5.69E-04	2.08E-01	3.43E-05	8.24E-04	3.01E-01
n-Butylbenzene	1.60	U	8.05E-07	1.93E-05	7.05E-03	1.60	U	6.15E-07	1.48E-05	5.39E-03	7.9	U	3.17E-06	7.61E-05	2.78E-02	4.59E-06	1.10E-04	4.02E-02
sec-Butylbenzene	1.30	U	6.54E-07	1.57E-05	5.73E-03	1.30	U	5.00E-07	1.20E-05	4.38E-03	6.3	U	2.53E-06	6.07E-05	2.22E-02	3.68E-06	8.84E-05	3.23E-02
Carbon Tetrachloride	0.63	U	3.17E-07	7.61E-06	2.78E-03	0.63	U	2.42E-07	5.81E-06	2.12E-03	3.1	U	1.24E-06	2.99E-05	1.09E-02	1.80E-06	4.33E-05	1.58E-02
Chlorobenzene	0.46	U	2.32E-07	5.56E-06	2.03E-03	0.46	U	1.77E-07	4.24E-06	1.55E-03	2.3	U	9.23E-07	2.22E-05	8.09E-03	1.33E-06	3.20E-05	1.17E-02
Chloroethane	0.26	U	1.31E-07	3.14E-06	1.15E-03	0.26	U	1.00E-07	2.40E-06	8.76E-04	1.3	U	5.22E-07	1.25E-05	4.57E-03	7.53E-07	1.81E-05	6.59E-03
Chloroform	0.49	U	2.47E-07	5.92E-06	2.16E-03	0.49	U	1.88E-07	4.52E-06	1.65E-03	2.4	U	9.64E-07	2.31E-05	8.44E-03	1.40E-06	3.36E-05	1.23E-02
Chloromethane	0.21	U	1.06E-07	2.54E-06	9.26E-04	0.21	U	8.07E-08	1.94E-06	7.07E-04	1.0	U	4.01E-07	9.64E-06	3.52E-03	5.88E-07	1.41E-05	5.15E-03
Dibromochloromethane	0.85	U	4.28E-07	1.03E-05	3.75E-03	0.85	U	3.27E-07	7.84E-06	2.86E-03	4.3	U	1.73E-06	4.14E-05	1.51E-02	2.48E-06	5.95E-05	2.17E-02
1,2-Dibromoethane	0.77	U	3.88E-07	9.30E-06	3.40E-03	0.77	U	2.96E-07	7.10E-06	2.59E-03	3.8	U	1.53E-06	3.66E-05	1.34E-02	2.21E-06	5.30E-05	1.94E-02
1,2-Dichlorobenzene	0.60	U	3.02E-07	7.25E-06	2.65E-03	0.60	U	2.31E-07	5.54E-06	2.02E-03	3.0	U	1.20E-06	2.89E-05	1.06E-02	1.74E-06	4.17E-05	1.52E-02
1,3-Dichlorobenzene	0.60	U	3.02E-07	7.25E-06	2.65E-03	0.60	U	2.31E-07	5.54E-06	2.02E-03	3.0	U	1.20E-06	2.89E-05	1.06E-02	1.74E-06	4.17E-05	1.52E-02
1,4-Dichlorobenzene	0.60	U	3.02E-07	7.25E-06	2.65E-03	0.60	U	2.31E-07	5.54E-06	2.02E-03	3.0	U	1.20E-06	2.89E-05	1.06E-02	1.74E-06	4.17E-05	1.52E-02
Dichlorodifluoromethane	2.10	U	1.06E-06	2.54E-05	9.26E-03	2.20	U	8.46E-07	2.03E-05	7.41E-03	2.5	U	1.00E-06	2.41E-05	8.79E-03	2.91E-06	6.98E-05	2.55E-02
1,1-Dichloroethane	0.40	U	2.01E-07	4.83E-06	1.76E-03	0.40	U	1.54E-07	3.69E-06	1.35E-03	2.0	U	8.03E-07	1.93E-05	7.03E-03	1.16E-06	2.78E-05	1.01E-02
1,2-Dichloroethane	0.40	U	2.01E-07	4.83E-06	1.76E-03	0.40	U	1.54E-07	3.69E-06	1.35E-03	2.0	U	8.03E-07	1.93E-05	7.03E-03	1.16E-06	2.78E-05	1.01E-02
1,1-Dichloroethene	0.40	U	2.01E-07	4.83E-06	1.76E-03	0.40	U	1.54E-07	3.69E-06	1.35E-03	2.0	U	8.03E-07	1.93E-05	7.03E-03	1.16E-06	2.78E-05	1.01E-02
cis-1,2-Dichloroethene	0.40	U	2.01E-07	4.83E-06	1.76E-03	0.40	U	1.54E-07	3.69E-06	1.35E-03	2.0	U	8.03E-07	1.93E-05	7.03E-03	1.16E-06	2.78E-05	1.01E-02
trans-1,2-Dichloroethene	0.40	U	2.01E-07	4.83E-06	1.76E-03	0.40	U	1.54E-07	3.69E-06	1.35E-03	2.0	U	8.03E-07	1.93E-05	7.03E-03	1.16E-06	2.78E-05	1.01E-02
1,2-Dichloropropane	0.46	U	2.32E-07	5.56E-06	2.03E-03	0.46	U	1.77E-07	4.24E-06	1.55E-03	2.3	U	9.23E-07	2.22E-05	8.09E-03	1.33E-06	3.20E-05	1.17E-02
cis-1,3-Dichloropropene	0.45	U	2.27E-07	5.44E-06	1.98E-03	0.45	U	1.73E-07	4.15E-06	1.52E-03	6.2	U	2.49E-06	5.97E-05	2.18E-02	2.89E-06	6.93E-05	2.53E-02
trans-1,3-Dichloropropene	0.45	U	2.27E-07	5.44E-06	1.98E-03	0.45	U	1.73E-07	4.15E-06	1.52E-03	2.3	U	9.23E-07	2.22E-05	8.09E-03	1.32E-06	3.18E-05	1.16E-02
Ethylbenzene	0.43	U	2.16E-07	5.19E-06	1.90E-03	0.43	U	1.65E-07	3.97E-06	1.45E-03	2.2	U	8.83E-07	2.12E-05	7.74E-03	1.27E-06	3.04E-05	1.11E-02
Isopropylbenzene	0.25	U	1.26E-07	3.02E-06	1.10E-03	1.20	U	4.61E-07	1.11E-05	4.04E-03	6.2	U	2.49E-06	5.97E-05	2.18E-02	3.08E-06	7.38E-05	2.69E-02
p-Isopropyltoluene	0.23	U	1.16E-07	2.78E-06	1.01E-03	1.30	U	5.00E-07	1.20E-05	4.38E-03	6.3	U	2.53E-06	6.07E-05	2.22E-02	3.14E-06	7.55E-05	2.75E-02
Methyl tert butyl ether	0.36	U	1.81E-07	4.35E-06	1.59E-03	0.36	U	1.38E-07	3.32E-06	1.21E-03	1.8	U	7.23E-07	1.73E-05	6.33E-03	1.04E-06	2.50E-05	9.13E-03
Methylene chloride	3.50	U	1.76E-06	4.23E-05	1.54E-02	3.50	U	1.35E-06	3.23E-05	1.18E-02	17	U	6.83E-06	1.64E-04	5.98E-02	9.93E-06	2.38E-04	8.70E-02
4-Methyl-2-pentanone	0.41	U	2.06E-07	4.95E-06	1.81E-03	0.41	U	1.58E-07	3.78E-06	1.38E-03	2.0	U	8.03E-07	1.93E-05	7.03E-03	1.17E-06	2.80E-05	1.02E-02
Styrene	0.43	U	2.16E-07	5.19E-06	1.90E-03	0.43	U	1.65E-07	3.97E-06	1.45E-03	2.1	U	8.43E-07	2.02E-05	7.39E-03	1.22E-06	2.94E-05	1.07E-02
1,1,1,2-Tetrachloroethane	1.20	U	6.04E-07	1.45E-05	5.29E-03	1.20	U	4.61E-07	1.11E-05	4.04E-03	6.2	U	2.49E-06	5.97E-05	2.18E-02	3.55E-06	8.53E-05	3.11E-02
1,1,2,2-Tetrachloroethane	0.69	U	3.47E-07	8.34E-06	3.04E-03	0.69	U	2.65E-07	6.37E-06	2.32E-03	3.4	U	1.37E-06	3.28E-05	1.20E-02	1.98E-06	4.75E-05	1.73E-02
Tetrachloroethene	30.00	U	1.51E-05	3.62E-04	1.32E-01	14.00	U	5.38E-06	1.29E-04	4.71E-02	42	U	1.69E-05	4.05E-04	1.48E-01	3.73E-05	8.96E-04	3.27E-01
Toluene	1.30	U	6.54E-07	1.57E-05	5.73E-03	0.83	U	3.19E-07	7.66E-06	2.80E-03	1.9	U	7.63E-07	1.83E-05	6.68E-03	1.74E-06	4.17E-05	1.52E-02
1,1,1-Trichloroethane	1.90	U	9.56E-07	2.30E-05	8.38E-03	1.70	U	6.54E-07	1.57E-05	5.72E-03	2.7	U	1.08E-06	2.60E-05	9.50E-03	2.69E-06	6.47E-05	2.36E-02
1,1,2-Trichloroethane	0.55	U	2.77E-07	6.64E-06	2.43E-03	0.55	U	2.11E-07	5.07E-06	1.85E-03	2.7	U	1.08E-06	2.60E-05	9.50E-03	1.57E-06	3.77E-05	1.38E-02
Trichloroethene	89.00	U	4.48E-05	1.08E-03	3.92E-01	100.00	U	3.84E-05	9.23E-04	3.37E-01	18	U	7.23E-06	1.73E-04	6.33E-02	9.05E-05	2.17E-03	7.92E-01
Trichlorofluoromethane	38.00	U	1.91E-05	4.59E-04	1.68E-01	93.00	U	3.58E-05	8.58E-04	3.13E-01	13	U	5.22E-06	1.25E-04	4.57E-02	6.01E-05	1.44E-03	5.26E-01
1,2,4-Trimethylbenzene	0.49	U	2.47E-07	5.92E-06	2.16E-03	0.49	U	1.88E-07	4.52E-06	1.65E-03	2.5	U	1.00E-06	2.41E-05	8.79E-03	1.44E-06	3.45E-05	1.26E-02
1,3,5-Trimethylbenzene	0.49	U	2.47E-07	5.92E-06	2.16E-03	0.49	U	1.88E-07	4.52E-06	1.65E-03	2.5	U	1.00E-06	2.41E-05	8.79E-03	1.44E-06	3.45E-05	1.26E-02
Vinyl chloride	0.26	U	1.31E-07	3.14E-06	1.15E-03	0.26	U	1.00E-07	2.40E-06	8.76E-04	1.3	U	5.22E-07	1.25E-05	4.57E-03	7.53E-07	1.81E-05	6.59E-03
p/m-Xylene	0.87	U	4.38E-07	1.05E-05	3.84E-03	0.87	U	3.34E-07	8.03E-06	2.93E-03	4.3	U	1.73E-06	4.14E-05	1.51E-02	2.50E-06	6.00E-05	2.19E-02
o-Xylene	0.43	U	2.16E-07	5.19E-06	1.90E-03	0.43	U	1.65E-07	3.97E-06	1.45E-03	2.2	U	8.83E-07	2.12E-05	7.74E-03	1.27E-06	3.04E-05	1.11E-02
Total VOCs	2.23E+02		1.12E-04	2.69E-03	9.83E-01	2.28E+02		1.03E-04	2.48E-03	9.04E-01	1.64E+02	Not Applicable	Not Applicable	6.64E-01	Not Applicable	Not Applicable	2.12E+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].

August 1, 2012

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

Project Location: Alvarez High School, Providence, RI
Client Job Number:
Project Number: 14687.01
Laboratory Work Order Number: 12G0739

Enclosed are results of analyses for samples received by the laboratory on July 23, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lisa A. Worthington
Project Manager

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

REPORT DATE: 8/1/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 14687.01

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12G0739

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

PROJECT LOCATION: Alvarez High School, Providence, RI

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MP-1	12G0739-01	Sub Slab		EPA TO-15	
MP-3	12G0739-02	Sub Slab		EPA TO-15	
MP-4	12G0739-03	Sub Slab		EPA TO-15	
MP-6	12G0739-04	Sub Slab		EPA TO-15	
IMP-1	12G0739-05	Sub Slab		EPA TO-15	
IMP-2	12G0739-06	Sub Slab		EPA TO-15	
RTF-1	12G0739-07	Sub Slab		EPA TO-15	
RTF-2	12G0739-08	Sub Slab		EPA TO-15	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

EPA TO-15

Qualifications:

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

Analyte & Samples(s) Qualified:

Acrylonitrile
B056099-BS1

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Acrylonitrile
B056099-BS1

EPA TO-15

Initial and continuing calibrations met all required performance standards for RCP compounds that are Title III Clean Air Act Amendment compounds listed in table 1 of the TO-15 method unless otherwise specified in this narrative.

Laboratory control sample recoveries and sample replicate RPDs were all within limits specified by the method for RCP compounds that are Title III Clean Air Act Amendment compounds listed in table 1 of the TO-15 method unless otherwise specified in this narrative. Recovery limits of 50-150% are used for propene, acetone, ethanol, isopropanol, ethyl acetate, tetrahydrofuran, cyclohexane, heptane, 2-hexanone, 4-ethyltoluene, n-butylbenzene, sec-butylbenzene, 4-isopropyltoluene, and 1,1,1,2-tetrachloroethane.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Michael A. Erickson
Laboratory Director

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: MP-1
Sample ID: 12G0739-01
 Sample Matrix: Sub Slab
 Sampled: 7/20/2012 11:54

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1465
 Canister Size: 6 liter
 Flow Controller ID: 4205
 Sample Type: 30 min

Work Order: 12G0739
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -3
 Receipt Vacuum(in Hg): -2.5
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	9.0	4.0		21	9.5	2	7/26/12	0:24	WSD
Acrylonitrile	ND	0.58		ND	1.2	2	7/26/12	0:24	WSD
Benzene	0.14	0.10		0.45	0.32	2	7/26/12	0:24	WSD
Bromodichloromethane	ND	0.10		ND	0.67	2	7/26/12	0:24	WSD
Bromoform	ND	0.10		ND	1.0	2	7/26/12	0:24	WSD
2-Butanone (MEK)	25	4.0		75	12	2	7/26/12	0:24	WSD
n-Butylbenzene	ND	0.29		ND	1.6	2	7/26/12	0:24	WSD
sec-Butylbenzene	ND	0.23		ND	1.3	2	7/26/12	0:24	WSD
Carbon Tetrachloride	ND	0.10		ND	0.63	2	7/26/12	0:24	WSD
Chlorobenzene	ND	0.10		ND	0.46	2	7/26/12	0:24	WSD
Chloroethane	ND	0.10		ND	0.26	2	7/26/12	0:24	WSD
Chloroform	ND	0.10		ND	0.49	2	7/26/12	0:24	WSD
Chloromethane	ND	0.10		ND	0.21	2	7/26/12	0:24	WSD
Dibromochloromethane	ND	0.10		ND	0.85	2	7/26/12	0:24	WSD
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	7/26/12	0:24	WSD
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	0:24	WSD
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	0:24	WSD
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	0:24	WSD
Dichlorodifluoromethane (Freon 12)	0.52	0.10		2.6	0.49	2	7/26/12	0:24	WSD
1,1-Dichloroethane	ND	0.10		ND	0.40	2	7/26/12	0:24	WSD
1,2-Dichloroethane	ND	0.10		ND	0.40	2	7/26/12	0:24	WSD
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	0:24	WSD
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	0:24	WSD
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	0:24	WSD
1,2-Dichloropropane	ND	0.10		ND	0.46	2	7/26/12	0:24	WSD
1,3-Dichloropropane	ND	0.27		ND	1.2	2	7/26/12	0:24	WSD
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/26/12	0:24	WSD
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/26/12	0:24	WSD
Ethylbenzene	1.2	0.10		5.1	0.43	2	7/26/12	0:24	WSD
Isopropylbenzene (Cumene)	ND	0.25		ND	1.2	2	7/26/12	0:24	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.23		ND	1.3	2	7/26/12	0:24	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	7/26/12	0:24	WSD
Methylene Chloride	ND	1.0		ND	3.5	2	7/26/12	0:24	WSD
4-Methyl-2-pentanone (MIBK)	ND	0.10		ND	0.41	2	7/26/12	0:24	WSD
Styrene	0.39	0.10		1.7	0.43	2	7/26/12	0:24	WSD
1,1,1,2-Tetrachloroethane	ND	0.18		ND	1.2	2	7/26/12	0:24	WSD
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	7/26/12	0:24	WSD

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: MP-1
Sample ID: 12G0739-01
 Sample Matrix: Sub Slab
 Sampled: 7/20/2012 11:54

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1465
 Canister Size: 6 liter
 Flow Controller ID: 4205
 Sample Type: 30 min

Work Order: 12G0739
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -3
 Receipt Vacuum(in Hg): -2.5
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	0.21	0.10		1.5	0.68	2	7/26/12	0:24	WSD
Toluene	2.3	0.10		8.5	0.38	2	7/26/12	0:24	WSD
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	7/26/12	0:24	WSD
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	7/26/12	0:24	WSD
Trichloroethylene	0.20	0.10		1.1	0.54	2	7/26/12	0:24	WSD
Trichlorofluoromethane (Freon 11)	0.42	0.10		2.4	0.56	2	7/26/12	0:24	WSD
1,2,4-Trimethylbenzene	0.83	0.10		4.1	0.49	2	7/26/12	0:24	WSD
1,3,5-Trimethylbenzene	0.33	0.10		1.6	0.49	2	7/26/12	0:24	WSD
Vinyl Chloride	ND	0.10		ND	0.26	2	7/26/12	0:24	WSD
m&p-Xylene	2.8	0.20		12	0.87	2	7/26/12	0:24	WSD
o-Xylene	0.70	0.10		3.0	0.43	2	7/26/12	0:24	WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	107	70-130	7/26/12 0:24
4-Bromofluorobenzene (2)	92.8	70-130	7/26/12 0:24

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: MP-3
Sample ID: 12G0739-02
 Sample Matrix: Sub Slab
 Sampled: 7/20/2012 12:02

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1881
 Canister Size: 6 liter
 Flow Controller ID: 4197
 Sample Type: 30 min

Work Order: 12G0739
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -6
 Receipt Vacuum(in Hg): -5.3
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	13	4.0		30	9.5	2	7/26/12	1:42	WSD
Acrylonitrile	ND	0.58		ND	1.2	2	7/26/12	1:42	WSD
Benzene	0.19	0.10		0.61	0.32	2	7/26/12	1:42	WSD
Bromodichloromethane	ND	0.10		ND	0.67	2	7/26/12	1:42	WSD
Bromoform	ND	0.10		ND	1.0	2	7/26/12	1:42	WSD
2-Butanone (MEK)	31	4.0		92	12	2	7/26/12	1:42	WSD
n-Butylbenzene	ND	0.29		ND	1.6	2	7/26/12	1:42	WSD
sec-Butylbenzene	ND	0.23		ND	1.3	2	7/26/12	1:42	WSD
Carbon Tetrachloride	ND	0.10		ND	0.63	2	7/26/12	1:42	WSD
Chlorobenzene	ND	0.10		ND	0.46	2	7/26/12	1:42	WSD
Chloroethane	ND	0.10		ND	0.26	2	7/26/12	1:42	WSD
Chloroform	ND	0.10		ND	0.49	2	7/26/12	1:42	WSD
Chloromethane	ND	0.10		ND	0.21	2	7/26/12	1:42	WSD
Dibromochloromethane	ND	0.10		ND	0.85	2	7/26/12	1:42	WSD
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	7/26/12	1:42	WSD
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	1:42	WSD
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	1:42	WSD
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	1:42	WSD
Dichlorodifluoromethane (Freon 12)	0.46	0.10		2.3	0.49	2	7/26/12	1:42	WSD
1,1-Dichloroethane	ND	0.10		ND	0.40	2	7/26/12	1:42	WSD
1,2-Dichloroethane	ND	0.10		ND	0.40	2	7/26/12	1:42	WSD
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	1:42	WSD
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	1:42	WSD
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	1:42	WSD
1,2-Dichloropropane	ND	0.10		ND	0.46	2	7/26/12	1:42	WSD
1,3-Dichloropropane	ND	0.27		ND	1.2	2	7/26/12	1:42	WSD
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/26/12	1:42	WSD
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/26/12	1:42	WSD
Ethylbenzene	0.12	0.10		0.53	0.43	2	7/26/12	1:42	WSD
Isopropylbenzene (Cumene)	ND	0.25		ND	1.2	2	7/26/12	1:42	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.23		ND	1.3	2	7/26/12	1:42	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	7/26/12	1:42	WSD
Methylene Chloride	ND	1.0		ND	3.5	2	7/26/12	1:42	WSD
4-Methyl-2-pentanone (MIBK)	ND	0.10		ND	0.41	2	7/26/12	1:42	WSD
Styrene	0.34	0.10		1.4	0.43	2	7/26/12	1:42	WSD
1,1,1,2-Tetrachloroethane	ND	0.18		ND	1.2	2	7/26/12	1:42	WSD
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	7/26/12	1:42	WSD

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: MP-3
Sample ID: 12G0739-02
 Sample Matrix: Sub Slab
 Sampled: 7/20/2012 12:02

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1881
 Canister Size: 6 liter
 Flow Controller ID: 4197
 Sample Type: 30 min

Work Order: 12G0739
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -6
 Receipt Vacuum(in Hg): -5.3
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	ND	0.10		ND	0.68	2	7/26/12	1:42	WSD
Toluene	0.92	0.10		3.5	0.38	2	7/26/12	1:42	WSD
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	7/26/12	1:42	WSD
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	7/26/12	1:42	WSD
Trichloroethylene	ND	0.10		ND	0.54	2	7/26/12	1:42	WSD
Trichlorofluoromethane (Freon 11)	0.20	0.10		1.1	0.56	2	7/26/12	1:42	WSD
1,2,4-Trimethylbenzene	0.26	0.10		1.3	0.49	2	7/26/12	1:42	WSD
1,3,5-Trimethylbenzene	ND	0.10		ND	0.49	2	7/26/12	1:42	WSD
Vinyl Chloride	ND	0.10		ND	0.26	2	7/26/12	1:42	WSD
m&p-Xylene	0.24	0.20		1.1	0.87	2	7/26/12	1:42	WSD
o-Xylene	ND	0.10		ND	0.43	2	7/26/12	1:42	WSD

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	106	70-130	7/26/12	1:42
4-Bromofluorobenzene (2)	91.6	70-130	7/26/12	1:42

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: MP-4
Sample ID: 12G0739-03
 Sample Matrix: Sub Slab
 Sampled: 7/20/2012 12:28

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1846
 Canister Size: 6 liter
 Flow Controller ID: 4195
 Sample Type: 30 min

Work Order: 12G0739
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -3
 Receipt Vacuum(in Hg): -3.2
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	160	4.0		370	9.5	2	7/26/12	3:01	WSD
Acrylonitrile	ND	0.58		ND	1.2	2	7/26/12	3:01	WSD
Benzene	0.28	0.10		0.88	0.32	2	7/26/12	3:01	WSD
Bromodichloromethane	ND	0.10		ND	0.67	2	7/26/12	3:01	WSD
Bromoform	ND	0.10		ND	1.0	2	7/26/12	3:01	WSD
2-Butanone (MEK)	1300	40		3700	120	20	7/26/12	3:39	WSD
n-Butylbenzene	ND	0.29		ND	1.6	2	7/26/12	3:01	WSD
sec-Butylbenzene	ND	0.23		ND	1.3	2	7/26/12	3:01	WSD
Carbon Tetrachloride	ND	0.10		ND	0.63	2	7/26/12	3:01	WSD
Chlorobenzene	ND	0.10		ND	0.46	2	7/26/12	3:01	WSD
Chloroethane	ND	0.10		ND	0.26	2	7/26/12	3:01	WSD
Chloroform	ND	0.10		ND	0.49	2	7/26/12	3:01	WSD
Chloromethane	ND	0.10		ND	0.21	2	7/26/12	3:01	WSD
Dibromochloromethane	ND	0.10		ND	0.85	2	7/26/12	3:01	WSD
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	7/26/12	3:01	WSD
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	3:01	WSD
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	3:01	WSD
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	3:01	WSD
Dichlorodifluoromethane (Freon 12)	0.51	0.10		2.5	0.49	2	7/26/12	3:01	WSD
1,1-Dichloroethane	ND	0.10		ND	0.40	2	7/26/12	3:01	WSD
1,2-Dichloroethane	ND	0.10		ND	0.40	2	7/26/12	3:01	WSD
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	3:01	WSD
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	3:01	WSD
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	3:01	WSD
1,2-Dichloropropane	ND	0.10		ND	0.46	2	7/26/12	3:01	WSD
1,3-Dichloropropane	ND	0.27		ND	1.2	2	7/26/12	3:01	WSD
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/26/12	3:01	WSD
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/26/12	3:01	WSD
Ethylbenzene	ND	0.10		ND	0.43	2	7/26/12	3:01	WSD
Isopropylbenzene (Cumene)	ND	0.25		ND	1.2	2	7/26/12	3:01	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.23		ND	1.3	2	7/26/12	3:01	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	7/26/12	3:01	WSD
Methylene Chloride	ND	1.0		ND	3.5	2	7/26/12	3:01	WSD
4-Methyl-2-pentanone (MIBK)	ND	0.10		ND	0.41	2	7/26/12	3:01	WSD
Styrene	0.44	0.10		1.9	0.43	2	7/26/12	3:01	WSD
1,1,1,2-Tetrachloroethane	ND	0.18		ND	1.2	2	7/26/12	3:01	WSD
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	7/26/12	3:01	WSD

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: MP-4
Sample ID: 12G0739-03
 Sample Matrix: Sub Slab
 Sampled: 7/20/2012 12:28

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1846
 Canister Size: 6 liter
 Flow Controller ID: 4195
 Sample Type: 30 min

Work Order: 12G0739
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -3
 Receipt Vacuum(in Hg): -3.2
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	0.51	0.10		3.5	0.68	2	7/26/12	3:01	WSD
Toluene	0.40	0.10		1.5	0.38	2	7/26/12	3:01	WSD
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	7/26/12	3:01	WSD
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	7/26/12	3:01	WSD
Trichloroethylene	17	0.10		92	0.54	2	7/26/12	3:01	WSD
Trichlorofluoromethane (Freon 11)	15	0.10		85	0.56	2	7/26/12	3:01	WSD
1,2,4-Trimethylbenzene	0.25	0.10		1.2	0.49	2	7/26/12	3:01	WSD
1,3,5-Trimethylbenzene	ND	0.10		ND	0.49	2	7/26/12	3:01	WSD
Vinyl Chloride	ND	0.10		ND	0.26	2	7/26/12	3:01	WSD
m&p-Xylene	ND	0.20		ND	0.87	2	7/26/12	3:01	WSD
o-Xylene	ND	0.10		ND	0.43	2	7/26/12	3:01	WSD

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	110	70-130	7/26/12	3:39
4-Bromofluorobenzene (1)	116	70-130	7/26/12	3:01
4-Bromofluorobenzene (2)	99.8	70-130	7/26/12	3:01

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: MP-6
Sample ID: 12G0739-04
 Sample Matrix: Sub Slab
 Sampled: 7/20/2012 12:11

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1061
 Canister Size: 6 liter
 Flow Controller ID: 4208
 Sample Type: 30 min

Work Order: 12G0739
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -1
 Receipt Vacuum(in Hg): -0.7
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	690	40		1600	95	20	7/26/12	5:36	WSD
Acrylonitrile	ND	0.58		ND	1.2	2	7/26/12	4:59	WSD
Benzene	0.13	0.10		0.43	0.32	2	7/26/12	4:59	WSD
Bromodichloromethane	ND	0.10		ND	0.67	2	7/26/12	4:59	WSD
Bromoform	ND	0.10		ND	1.0	2	7/26/12	4:59	WSD
2-Butanone (MEK)	650	40		1900	120	20	7/26/12	5:36	WSD
n-Butylbenzene	ND	0.29		ND	1.6	2	7/26/12	4:59	WSD
sec-Butylbenzene	ND	0.23		ND	1.3	2	7/26/12	4:59	WSD
Carbon Tetrachloride	ND	0.10		ND	0.63	2	7/26/12	4:59	WSD
Chlorobenzene	ND	0.10		ND	0.46	2	7/26/12	4:59	WSD
Chloroethane	ND	0.10		ND	0.26	2	7/26/12	4:59	WSD
Chloroform	ND	0.10		ND	0.49	2	7/26/12	4:59	WSD
Chloromethane	1.0	0.10		2.1	0.21	2	7/26/12	4:59	WSD
Dibromochloromethane	ND	0.10		ND	0.85	2	7/26/12	4:59	WSD
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	7/26/12	4:59	WSD
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	4:59	WSD
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	4:59	WSD
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	4:59	WSD
Dichlorodifluoromethane (Freon 12)	0.47	0.10		2.3	0.49	2	7/26/12	4:59	WSD
1,1-Dichloroethane	ND	0.10		ND	0.40	2	7/26/12	4:59	WSD
1,2-Dichloroethane	ND	0.10		ND	0.40	2	7/26/12	4:59	WSD
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	4:59	WSD
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	4:59	WSD
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	4:59	WSD
1,2-Dichloropropane	ND	0.10		ND	0.46	2	7/26/12	4:59	WSD
1,3-Dichloropropane	ND	0.27		ND	1.2	2	7/26/12	4:59	WSD
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/26/12	4:59	WSD
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/26/12	4:59	WSD
Ethylbenzene	0.11	0.10		0.47	0.43	2	7/26/12	4:59	WSD
Isopropylbenzene (Cumene)	ND	0.25		ND	1.2	2	7/26/12	4:59	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.23		ND	1.3	2	7/26/12	4:59	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	7/26/12	4:59	WSD
Methylene Chloride	ND	1.0		ND	3.5	2	7/26/12	4:59	WSD
4-Methyl-2-pentanone (MIBK)	ND	0.10		ND	0.41	2	7/26/12	4:59	WSD
Styrene	0.44	0.10		1.9	0.43	2	7/26/12	4:59	WSD
1,1,1,2-Tetrachloroethane	ND	0.18		ND	1.2	2	7/26/12	4:59	WSD
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	7/26/12	4:59	WSD

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: MP-6
Sample ID: 12G0739-04
 Sample Matrix: Sub Slab
 Sampled: 7/20/2012 12:11

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1061
 Canister Size: 6 liter
 Flow Controller ID: 4208
 Sample Type: 30 min

Work Order: 12G0739
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -1
 Receipt Vacuum(in Hg): -0.7
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	0.12	0.10		0.80	0.68	2	7/26/12	4:59	WSD
Toluene	0.68	0.10		2.5	0.38	2	7/26/12	4:59	WSD
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	7/26/12	4:59	WSD
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	7/26/12	4:59	WSD
Trichloroethylene	0.14	0.10		0.75	0.54	2	7/26/12	4:59	WSD
Trichlorofluoromethane (Freon 11)	0.38	0.10		2.2	0.56	2	7/26/12	4:59	WSD
1,2,4-Trimethylbenzene	0.22	0.10		1.1	0.49	2	7/26/12	4:59	WSD
1,3,5-Trimethylbenzene	ND	0.10		ND	0.49	2	7/26/12	4:59	WSD
Vinyl Chloride	ND	0.10		ND	0.26	2	7/26/12	4:59	WSD
m&p-Xylene	0.22	0.20		0.94	0.87	2	7/26/12	4:59	WSD
o-Xylene	ND	0.10		ND	0.43	2	7/26/12	4:59	WSD

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	110	70-130	7/26/12	5:36
4-Bromofluorobenzene (1)	111	70-130	7/26/12	4:59
4-Bromofluorobenzene (2)	96.9	70-130	7/26/12	4:59

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: IMP-1
Sample ID: 12G0739-05
 Sample Matrix: Sub Slab
 Sampled: 7/20/2012 10:29

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1123
 Canister Size: 6 liter
 Flow Controller ID: 4196
 Sample Type: 30 min

Work Order: 12G0739
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -4
 Receipt Vacuum(in Hg): -4.6
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	18	4.0		43	9.5	2	7/26/12	6:15	WSD
Acrylonitrile	ND	0.58		ND	1.2	2	7/26/12	6:15	WSD
Benzene	0.13	0.10		0.42	0.32	2	7/26/12	6:15	WSD
Bromodichloromethane	ND	0.10		ND	0.67	2	7/26/12	6:15	WSD
Bromoform	ND	0.10		ND	1.0	2	7/26/12	6:15	WSD
2-Butanone (MEK)	ND	4.0		ND	12	2	7/26/12	6:15	WSD
n-Butylbenzene	ND	0.29		ND	1.6	2	7/26/12	6:15	WSD
sec-Butylbenzene	ND	0.23		ND	1.3	2	7/26/12	6:15	WSD
Carbon Tetrachloride	ND	0.10		ND	0.63	2	7/26/12	6:15	WSD
Chlorobenzene	ND	0.10		ND	0.46	2	7/26/12	6:15	WSD
Chloroethane	ND	0.10		ND	0.26	2	7/26/12	6:15	WSD
Chloroform	ND	0.10		ND	0.49	2	7/26/12	6:15	WSD
Chloromethane	ND	0.10		ND	0.21	2	7/26/12	6:15	WSD
Dibromochloromethane	ND	0.10		ND	0.85	2	7/26/12	6:15	WSD
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	7/26/12	6:15	WSD
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	6:15	WSD
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	6:15	WSD
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	6:15	WSD
Dichlorodifluoromethane (Freon 12)	0.46	0.10		2.3	0.49	2	7/26/12	6:15	WSD
1,1-Dichloroethane	ND	0.10		ND	0.40	2	7/26/12	6:15	WSD
1,2-Dichloroethane	ND	0.10		ND	0.40	2	7/26/12	6:15	WSD
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	6:15	WSD
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	6:15	WSD
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	6:15	WSD
1,2-Dichloropropane	ND	0.10		ND	0.46	2	7/26/12	6:15	WSD
1,3-Dichloropropane	ND	0.27		ND	1.2	2	7/26/12	6:15	WSD
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/26/12	6:15	WSD
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/26/12	6:15	WSD
Ethylbenzene	0.18	0.10		0.76	0.43	2	7/26/12	6:15	WSD
Isopropylbenzene (Cumene)	ND	0.25		ND	1.2	2	7/26/12	6:15	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.23		ND	1.3	2	7/26/12	6:15	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	7/26/12	6:15	WSD
Methylene Chloride	ND	1.0		ND	3.5	2	7/26/12	6:15	WSD
4-Methyl-2-pentanone (MIBK)	ND	0.10		ND	0.41	2	7/26/12	6:15	WSD
Styrene	0.56	0.10		2.4	0.43	2	7/26/12	6:15	WSD
1,1,1,2-Tetrachloroethane	ND	0.18		ND	1.2	2	7/26/12	6:15	WSD
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	7/26/12	6:15	WSD

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: IMP-1
Sample ID: 12G0739-05
 Sample Matrix: Sub Slab
 Sampled: 7/20/2012 10:29

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1123
 Canister Size: 6 liter
 Flow Controller ID: 4196
 Sample Type: 30 min

Work Order: 12G0739
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -4
 Receipt Vacuum(in Hg): -4.6
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	ND	0.10		ND	0.68	2	7/26/12	6:15	WSD
Toluene	0.63	0.10		2.4	0.38	2	7/26/12	6:15	WSD
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	7/26/12	6:15	WSD
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	7/26/12	6:15	WSD
Trichloroethylene	ND	0.10		ND	0.54	2	7/26/12	6:15	WSD
Trichlorofluoromethane (Freon 11)	0.21	0.10		1.2	0.56	2	7/26/12	6:15	WSD
1,2,4-Trimethylbenzene	0.42	0.10		2.1	0.49	2	7/26/12	6:15	WSD
1,3,5-Trimethylbenzene	ND	0.10		ND	0.49	2	7/26/12	6:15	WSD
Vinyl Chloride	ND	0.10		ND	0.26	2	7/26/12	6:15	WSD
m&p-Xylene	0.39	0.20		1.7	0.87	2	7/26/12	6:15	WSD
o-Xylene	0.14	0.10		0.59	0.43	2	7/26/12	6:15	WSD

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	109	70-130	7/26/12	6:15
4-Bromofluorobenzene (2)	94.6	70-130	7/26/12	6:15

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: IMP-2
Sample ID: 12G0739-06
 Sample Matrix: Sub Slab
 Sampled: 7/20/2012 10:32

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1078
 Canister Size: 6 liter
 Flow Controller ID: 4198
 Sample Type: 30 min

Work Order: 12G0739
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -6
 Receipt Vacuum(in Hg): -6.2
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	9.0	4.0		21	9.5	2	7/26/12 10:08	WSD	
Acrylonitrile	ND	0.58		ND	1.2	2	7/26/12 10:08	WSD	
Benzene	0.13	0.10		0.40	0.32	2	7/26/12 10:08	WSD	
Bromodichloromethane	ND	0.10		ND	0.67	2	7/26/12 10:08	WSD	
Bromoform	ND	0.10		ND	1.0	2	7/26/12 10:08	WSD	
2-Butanone (MEK)	ND	4.0		ND	12	2	7/26/12 10:08	WSD	
n-Butylbenzene	ND	0.29		ND	1.6	2	7/26/12 10:08	WSD	
sec-Butylbenzene	ND	0.23		ND	1.3	2	7/26/12 10:08	WSD	
Carbon Tetrachloride	ND	0.10		ND	0.63	2	7/26/12 10:08	WSD	
Chlorobenzene	ND	0.10		ND	0.46	2	7/26/12 10:08	WSD	
Chloroethane	ND	0.10		ND	0.26	2	7/26/12 10:08	WSD	
Chloroform	0.12	0.10		0.58	0.49	2	7/26/12 10:08	WSD	
Chloromethane	ND	0.10		ND	0.21	2	7/26/12 10:08	WSD	
Dibromochloromethane	ND	0.10		ND	0.85	2	7/26/12 10:08	WSD	
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	7/26/12 10:08	WSD	
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12 10:08	WSD	
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12 10:08	WSD	
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12 10:08	WSD	
Dichlorodifluoromethane (Freon 12)	0.47	0.10		2.3	0.49	2	7/26/12 10:08	WSD	
1,1-Dichloroethane	ND	0.10		ND	0.40	2	7/26/12 10:08	WSD	
1,2-Dichloroethane	ND	0.10		ND	0.40	2	7/26/12 10:08	WSD	
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12 10:08	WSD	
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12 10:08	WSD	
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12 10:08	WSD	
1,2-Dichloropropane	ND	0.10		ND	0.46	2	7/26/12 10:08	WSD	
1,3-Dichloropropane	ND	0.27		ND	1.2	2	7/26/12 10:08	WSD	
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/26/12 10:08	WSD	
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/26/12 10:08	WSD	
Ethylbenzene	0.11	0.10		0.46	0.43	2	7/26/12 10:08	WSD	
Isopropylbenzene (Cumene)	ND	0.25		ND	1.2	2	7/26/12 10:08	WSD	
p-Isopropyltoluene (p-Cymene)	ND	0.23		ND	1.3	2	7/26/12 10:08	WSD	
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	7/26/12 10:08	WSD	
Methylene Chloride	ND	1.0		ND	3.5	2	7/26/12 10:08	WSD	
4-Methyl-2-pentanone (MIBK)	0.11	0.10		0.46	0.41	2	7/26/12 10:08	WSD	
Styrene	0.60	0.10		2.6	0.43	2	7/26/12 10:08	WSD	
1,1,1,2-Tetrachloroethane	ND	0.18		ND	1.2	2	7/26/12 10:08	WSD	
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	7/26/12 10:08	WSD	

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: IMP-2
Sample ID: 12G0739-06
 Sample Matrix: Sub Slab
 Sampled: 7/20/2012 10:32

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1078
 Canister Size: 6 liter
 Flow Controller ID: 4198
 Sample Type: 30 min

Work Order: 12G0739
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -6
 Receipt Vacuum(in Hg): -6.2
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	1.3	0.10		8.9	0.68	2	7/26/12 10:08		WSD
Toluene	0.47	0.10		1.8	0.38	2	7/26/12 10:08		WSD
1,1,1-Trichloroethane	0.13	0.10		0.70	0.55	2	7/26/12 10:08		WSD
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	7/26/12 10:08		WSD
Trichloroethylene	6.5	0.10		35	0.54	2	7/26/12 10:08		WSD
Trichlorofluoromethane (Freon 11)	2.6	0.10		15	0.56	2	7/26/12 10:08		WSD
1,2,4-Trimethylbenzene	0.23	0.10		1.1	0.49	2	7/26/12 10:08		WSD
1,3,5-Trimethylbenzene	ND	0.10		ND	0.49	2	7/26/12 10:08		WSD
Vinyl Chloride	ND	0.10		ND	0.26	2	7/26/12 10:08		WSD
m&p-Xylene	0.24	0.20		1.1	0.87	2	7/26/12 10:08		WSD
o-Xylene	0.10	0.10		0.44	0.43	2	7/26/12 10:08		WSD

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	104	70-130	7/26/12 10:08
4-Bromofluorobenzene (2)	87.6	70-130	7/26/12 10:08

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: RTF-1
Sample ID: 12G0739-07
 Sample Matrix: Sub Slab
 Sampled: 7/20/2012 10:59

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1114
 Canister Size: 6 liter
 Flow Controller ID: 5009
 Sample Type: Grab

Work Order: 12G0739
 Initial Vacuum(in Hg): -24
 Final Vacuum(in Hg): -8
 Receipt Vacuum(in Hg): -9.5
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	9.5	4.0		23	9.5	2	7/26/12	7:33	WSD
Acrylonitrile	ND	0.58		ND	1.2	2	7/26/12	7:33	WSD
Benzene	0.12	0.10		0.38	0.32	2	7/26/12	7:33	WSD
Bromodichloromethane	ND	0.10		ND	0.67	2	7/26/12	7:33	WSD
Bromoform	ND	0.10		ND	1.0	2	7/26/12	7:33	WSD
2-Butanone (MEK)	ND	4.0		ND	12	2	7/26/12	7:33	WSD
n-Butylbenzene	ND	0.29		ND	1.6	2	7/26/12	7:33	WSD
sec-Butylbenzene	ND	0.23		ND	1.3	2	7/26/12	7:33	WSD
Carbon Tetrachloride	ND	0.10		ND	0.63	2	7/26/12	7:33	WSD
Chlorobenzene	ND	0.10		ND	0.46	2	7/26/12	7:33	WSD
Chloroethane	ND	0.10		ND	0.26	2	7/26/12	7:33	WSD
Chloroform	ND	0.10		ND	0.49	2	7/26/12	7:33	WSD
Chloromethane	ND	0.10		ND	0.21	2	7/26/12	7:33	WSD
Dibromochloromethane	ND	0.10		ND	0.85	2	7/26/12	7:33	WSD
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	7/26/12	7:33	WSD
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	7:33	WSD
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	7:33	WSD
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	7:33	WSD
Dichlorodifluoromethane (Freon 12)	0.43	0.10		2.1	0.49	2	7/26/12	7:33	WSD
1,1-Dichloroethane	ND	0.10		ND	0.40	2	7/26/12	7:33	WSD
1,2-Dichloroethane	ND	0.10		ND	0.40	2	7/26/12	7:33	WSD
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	7:33	WSD
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	7:33	WSD
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	7:33	WSD
1,2-Dichloropropane	ND	0.10		ND	0.46	2	7/26/12	7:33	WSD
1,3-Dichloropropane	ND	0.27		ND	1.2	2	7/26/12	7:33	WSD
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/26/12	7:33	WSD
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/26/12	7:33	WSD
Ethylbenzene	ND	0.10		ND	0.43	2	7/26/12	7:33	WSD
Isopropylbenzene (Cumene)	ND	0.25		ND	1.2	2	7/26/12	7:33	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.23		ND	1.3	2	7/26/12	7:33	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	7/26/12	7:33	WSD
Methylene Chloride	ND	1.0		ND	3.5	2	7/26/12	7:33	WSD
4-Methyl-2-pentanone (MIBK)	ND	0.10		ND	0.41	2	7/26/12	7:33	WSD
Styrene	ND	0.10		ND	0.43	2	7/26/12	7:33	WSD
1,1,1,2-Tetrachloroethane	ND	0.18		ND	1.2	2	7/26/12	7:33	WSD
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	7/26/12	7:33	WSD

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: RTF-1
Sample ID: 12G0739-07
 Sample Matrix: Sub Slab
 Sampled: 7/20/2012 10:59

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1114
 Canister Size: 6 liter
 Flow Controller ID: 5009
 Sample Type: Grab

Work Order: 12G0739
 Initial Vacuum(in Hg): -24
 Final Vacuum(in Hg): -8
 Receipt Vacuum(in Hg): -9.5
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	4.4	0.10		30	0.68	2	7/26/12	7:33	WSD
Toluene	0.35	0.10		1.3	0.38	2	7/26/12	7:33	WSD
1,1,1-Trichloroethane	0.35	0.10		1.9	0.55	2	7/26/12	7:33	WSD
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	7/26/12	7:33	WSD
Trichloroethylene	17	0.10		89	0.54	2	7/26/12	7:33	WSD
Trichlorofluoromethane (Freon 11)	6.7	0.10		38	0.56	2	7/26/12	7:33	WSD
1,2,4-Trimethylbenzene	ND	0.10		ND	0.49	2	7/26/12	7:33	WSD
1,3,5-Trimethylbenzene	ND	0.10		ND	0.49	2	7/26/12	7:33	WSD
Vinyl Chloride	ND	0.10		ND	0.26	2	7/26/12	7:33	WSD
m&p-Xylene	ND	0.20		ND	0.87	2	7/26/12	7:33	WSD
o-Xylene	ND	0.10		ND	0.43	2	7/26/12	7:33	WSD

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	109	70-130	7/26/12	7:33
4-Bromofluorobenzene (2)	93.6	70-130	7/26/12	7:33

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: RTF-2
Sample ID: 12G0739-08
 Sample Matrix: Sub Slab
 Sampled: 7/20/2012 10:54

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1237
 Canister Size: 6 liter
 Flow Controller ID: 5007
 Sample Type: Grab

Work Order: 12G0739
 Initial Vacuum(in Hg): -26
 Final Vacuum(in Hg): -8
 Receipt Vacuum(in Hg): -8
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	7.3	4.0		17	9.5	2	7/26/12	8:51	WSD
Acrylonitrile	ND	0.58		ND	1.2	2	7/26/12	8:51	WSD
Benzene	0.11	0.10		0.36	0.32	2	7/26/12	8:51	WSD
Bromodichloromethane	ND	0.10		ND	0.67	2	7/26/12	8:51	WSD
Bromoform	ND	0.10		ND	1.0	2	7/26/12	8:51	WSD
2-Butanone (MEK)	ND	4.0		ND	12	2	7/26/12	8:51	WSD
n-Butylbenzene	ND	0.29		ND	1.6	2	7/26/12	8:51	WSD
sec-Butylbenzene	ND	0.23		ND	1.3	2	7/26/12	8:51	WSD
Carbon Tetrachloride	ND	0.10		ND	0.63	2	7/26/12	8:51	WSD
Chlorobenzene	ND	0.10		ND	0.46	2	7/26/12	8:51	WSD
Chloroethane	ND	0.10		ND	0.26	2	7/26/12	8:51	WSD
Chloroform	ND	0.10		ND	0.49	2	7/26/12	8:51	WSD
Chloromethane	ND	0.10		ND	0.21	2	7/26/12	8:51	WSD
Dibromochloromethane	ND	0.10		ND	0.85	2	7/26/12	8:51	WSD
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	7/26/12	8:51	WSD
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	8:51	WSD
1,3-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	8:51	WSD
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	7/26/12	8:51	WSD
Dichlorodifluoromethane (Freon 12)	0.44	0.10		2.2	0.49	2	7/26/12	8:51	WSD
1,1-Dichloroethane	ND	0.10		ND	0.40	2	7/26/12	8:51	WSD
1,2-Dichloroethane	ND	0.10		ND	0.40	2	7/26/12	8:51	WSD
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	8:51	WSD
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	8:51	WSD
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/26/12	8:51	WSD
1,2-Dichloropropane	ND	0.10		ND	0.46	2	7/26/12	8:51	WSD
1,3-Dichloropropane	ND	0.27		ND	1.2	2	7/26/12	8:51	WSD
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/26/12	8:51	WSD
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/26/12	8:51	WSD
Ethylbenzene	ND	0.10		ND	0.43	2	7/26/12	8:51	WSD
Isopropylbenzene (Cumene)	ND	0.25		ND	1.2	2	7/26/12	8:51	WSD
p-Isopropyltoluene (p-Cymene)	ND	0.23		ND	1.3	2	7/26/12	8:51	WSD
Methyl tert-Butyl Ether (MTBE)	ND	0.10		ND	0.36	2	7/26/12	8:51	WSD
Methylene Chloride	ND	1.0		ND	3.5	2	7/26/12	8:51	WSD
4-Methyl-2-pentanone (MIBK)	ND	0.10		ND	0.41	2	7/26/12	8:51	WSD
Styrene	ND	0.10		ND	0.43	2	7/26/12	8:51	WSD
1,1,1,2-Tetrachloroethane	ND	0.18		ND	1.2	2	7/26/12	8:51	WSD
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	7/26/12	8:51	WSD

ANALYTICAL RESULTS

Project Location: Alvarez High School, Providence
 Date Received: 7/23/2012
Field Sample #: RTF-2
Sample ID: 12G0739-08
 Sample Matrix: Sub Slab
 Sampled: 7/20/2012 10:54

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1237
 Canister Size: 6 liter
 Flow Controller ID: 5007
 Sample Type: Grab

Work Order: 12G0739
 Initial Vacuum(in Hg): -26
 Final Vacuum(in Hg): -8
 Receipt Vacuum(in Hg): -8
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	2.1	0.10		14	0.68	2	7/26/12	8:51	WSD
Toluene	0.22	0.10		0.83	0.38	2	7/26/12	8:51	WSD
1,1,1-Trichloroethane	0.32	0.10		1.7	0.55	2	7/26/12	8:51	WSD
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	7/26/12	8:51	WSD
Trichloroethylene	19	0.10		100	0.54	2	7/26/12	8:51	WSD
Trichlorofluoromethane (Freon 11)	17	0.10		93	0.56	2	7/26/12	8:51	WSD
1,2,4-Trimethylbenzene	ND	0.10		ND	0.49	2	7/26/12	8:51	WSD
1,3,5-Trimethylbenzene	ND	0.10		ND	0.49	2	7/26/12	8:51	WSD
Vinyl Chloride	ND	0.10		ND	0.26	2	7/26/12	8:51	WSD
m&p-Xylene	ND	0.20		ND	0.87	2	7/26/12	8:51	WSD
o-Xylene	ND	0.10		ND	0.43	2	7/26/12	8:51	WSD

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	106	70-130	7/26/12	8:51
4-Bromofluorobenzene (2)	90.6	70-130	7/26/12	8:51

Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
12G0739-01 [MP-1]	B056099	1	1	N/A	1000	400	200	07/25/12
12G0739-02 [MP-3]	B056099	1	1	N/A	1000	400	200	07/25/12
12G0739-03 [MP-4]	B056099	1	1	N/A	1000	400	200	07/25/12
12G0739-03RE1 [MP-4]	B056099	1	1	N/A	1000	400	20	07/25/12
12G0739-04 [MP-6]	B056099	1	1	N/A	1000	400	200	07/25/12
12G0739-04RE1 [MP-6]	B056099	1	1	N/A	1000	400	20	07/25/12
12G0739-05 [IMP-1]	B056099	1	1	N/A	1000	400	200	07/25/12
12G0739-06 [IMP-2]	B056099	1	1	N/A	1000	400	200	07/25/12
12G0739-07 [RTF-1]	B056099	1.5	1	N/A	1000	400	300	07/25/12
12G0739-08 [RTF-2]	B056099	1.5	1	N/A	1000	400	300	07/25/12

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

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

Batch B056099 - TO-15 Prep

Blank (B056099-BLK1)

Prepared & Analyzed: 07/25/12

Acetone	ND	1.0
Acrylonitrile	ND	0.14
Benzene	ND	0.025
Bromodichloromethane	ND	0.025
Bromoform	ND	0.025
2-Butanone (MEK)	ND	1.0
n-Butylbenzene	ND	0.072
sec-Butylbenzene	ND	0.057
Carbon Tetrachloride	ND	0.025
Chlorobenzene	ND	0.025
Chloroethane	ND	0.025
Chloroform	ND	0.025
Chloromethane	ND	0.025
Dibromochloromethane	ND	0.025
1,2-Dibromoethane (EDB)	ND	0.025
1,2-Dichlorobenzene	ND	0.025
1,3-Dichlorobenzene	ND	0.025
1,4-Dichlorobenzene	ND	0.025
Dichlorodifluoromethane (Freon 12)	ND	0.025
1,1-Dichloroethane	ND	0.025
1,2-Dichloroethane	ND	0.025
1,1-Dichloroethylene	ND	0.025
cis-1,2-Dichloroethylene	ND	0.025
trans-1,2-Dichloroethylene	ND	0.025
1,2-Dichloropropane	ND	0.025
1,3-Dichloropropane	ND	0.068
cis-1,3-Dichloropropene	ND	0.025
trans-1,3-Dichloropropene	ND	0.025
Ethylbenzene	ND	0.025
Isopropylbenzene (Cumene)	ND	0.064
p-Isopropyltoluene (p-Cymene)	ND	0.057
Methyl tert-Butyl Ether (MTBE)	ND	0.025
Methylene Chloride	ND	0.25
4-Methyl-2-pentanone (MIBK)	ND	0.025
Styrene	ND	0.025
1,1,1,2-Tetrachloroethane	ND	0.046
1,1,2,2-Tetrachloroethane	ND	0.025
Tetrachloroethylene	ND	0.025
Toluene	ND	0.025
1,1,1-Trichloroethane	ND	0.025
1,1,2-Trichloroethane	ND	0.025
Trichloroethylene	ND	0.025
Trichlorofluoromethane (Freon 11)	ND	0.025
1,2,4-Trimethylbenzene	ND	0.025
1,3,5-Trimethylbenzene	ND	0.025
Vinyl Chloride	ND	0.025

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

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

Batch B056099 - TO-15 Prep

Blank (B056099-BLK1)

Prepared & Analyzed: 07/25/12

m&p-Xylene	ND	0.050									
o-Xylene	ND	0.025									
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	8.82				8.00		110	70-130			
<i>Surrogate: 4-Bromofluorobenzene (2)</i>	7.78				8.00		97.2	70-130			

LCS (B056099-BS1)

Prepared & Analyzed: 07/25/12

Acetone	6.18				5.00		124	50-150			
Acrylonitrile	3.85				2.88		134 *	70-130			L-01, V-06
Benzene	4.38				5.00		87.6	70-130			
Bromodichloromethane	5.27				5.00		105	70-130			
Bromoform	6.02				5.00		120	70-130			
2-Butanone (MEK)	4.86				5.00		97.1	70-130			
n-Butylbenzene	0.989				1.14		86.8	50-150			
sec-Butylbenzene	0.888				1.14		77.9	50-150			
Carbon Tetrachloride	5.54				5.00		111	70-130			
Chlorobenzene	4.37				5.00		87.3	70-130			
Chloroethane	5.53				5.00		111	70-130			
Chloroform	4.25				5.00		85.0	70-130			
Chloromethane	5.62				5.00		112	70-130			
Dibromochloromethane	5.27				5.00		105	70-130			
1,2-Dibromoethane (EDB)	4.79				5.00		95.7	70-130			
1,2-Dichlorobenzene	4.66				5.00		93.3	70-130			
1,3-Dichlorobenzene	4.77				5.00		95.5	70-130			
1,4-Dichlorobenzene	4.73				5.00		94.6	70-130			
Dichlorodifluoromethane (Freon 12)	4.84				5.00		96.9	70-130			
1,1-Dichloroethane	4.34				5.00		86.9	70-130			
1,2-Dichloroethane	4.85				5.00		97.0	70-130			
1,1-Dichloroethylene	4.41				5.00		88.2	70-130			
cis-1,2-Dichloroethylene	4.43				5.00		88.6	70-130			
trans-1,2-Dichloroethylene	4.21				5.00		84.3	70-130			
1,2-Dichloropropane	4.90				5.00		98.0	70-130			
1,3-Dichloropropane	1.01				1.35		75.0	70-130			
cis-1,3-Dichloropropene	5.37				5.00		107	70-130			
trans-1,3-Dichloropropene	5.26				5.00		105	70-130			
Ethylbenzene	4.88				5.00		97.5	70-130			
Isopropylbenzene (Cumene)	0.963				1.27		75.8	70-130			
p-Isopropyltoluene (p-Cymene)	0.892				1.14		78.2	50-150			
Methyl tert-Butyl Ether (MTBE)	4.47				5.00		89.4	70-130			
Methylene Chloride	4.80				5.00		96.1	70-130			
4-Methyl-2-pentanone (MIBK)	5.26				5.00		105	70-130			
Styrene	4.87				5.00		97.5	70-130			
1,1,1,2-Tetrachloroethane	0.644				0.910		70.8	50-150			
1,1,2,2-Tetrachloroethane	4.81				5.00		96.2	70-130			
Tetrachloroethylene	4.65				5.00		93.1	70-130			
Toluene	4.66				5.00		93.2	70-130			
1,1,1-Trichloroethane	5.16				5.00		103	70-130			
1,1,2-Trichloroethane	4.65				5.00		93.0	70-130			

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

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

Batch B056099 - TO-15 Prep

LCS (B056099-BS1)

Prepared & Analyzed: 07/25/12

Trichloroethylene	4.66				5.00		93.3	70-130			
Trichlorofluoromethane (Freon 11)	4.80				5.00		95.9	70-130			
1,2,4-Trimethylbenzene	5.06				5.00		101	70-130			
1,3,5-Trimethylbenzene	5.06				5.00		101	70-130			
Vinyl Chloride	5.17				5.00		103	70-130			
m&p-Xylene	10.3				10.0		103	70-130			
o-Xylene	5.12				5.00		102	70-130			
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	<i>8.64</i>				<i>8.00</i>		<i>108</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene (2)</i>	<i>7.57</i>				<i>8.00</i>		<i>94.6</i>	<i>70-130</i>			

Duplicate (B056099-DUP1)

Source: 12G0739-06

Prepared: 07/25/12 Analyzed: 07/26/12

Acetone	8.4	4.0	20	9.5		9.0			7.62	25	
Acrylonitrile	ND	0.58	ND	1.2		ND				25	
Benzene	0.12	0.10	0.37	0.32		0.13			8.26	25	
Bromodichloromethane	ND	0.10	ND	0.67		ND				25	
Bromoform	ND	0.10	ND	1.0		ND				25	
2-Butanone (MEK)	0.86	4.0	2.5	12		0.91			5.88	25	
n-Butylbenzene	ND	0.29	ND	1.6		ND				25	
sec-Butylbenzene	ND	0.23	ND	1.3		ND				25	
Carbon Tetrachloride	ND	0.10	ND	0.63		ND				25	
Chlorobenzene	ND	0.10	ND	0.46		ND				25	
Chloroethane	ND	0.10	ND	0.26		ND				25	
Chloroform	0.11	0.10	0.55	0.49		0.12			5.22	25	
Chloromethane	ND	0.10	ND	0.21		ND				25	
Dibromochloromethane	ND	0.10	ND	0.85		ND				25	
1,2-Dibromoethane (EDB)	ND	0.10	ND	0.77		ND				25	
1,2-Dichlorobenzene	ND	0.10	ND	0.60		ND				25	
1,3-Dichlorobenzene	ND	0.10	ND	0.60		ND				25	
1,4-Dichlorobenzene	ND	0.10	ND	0.60		ND				25	
Dichlorodifluoromethane (Freon 12)	0.45	0.10	2.2	0.49		0.47			3.94	25	
1,1-Dichloroethane	ND	0.10	ND	0.40		ND				25	
1,2-Dichloroethane	ND	0.10	ND	0.40		ND				25	
1,1-Dichloroethylene	ND	0.10	ND	0.40		ND				25	
cis-1,2-Dichloroethylene	ND	0.10	ND	0.40		ND				25	
trans-1,2-Dichloroethylene	ND	0.10	ND	0.40		ND				25	
1,2-Dichloropropane	ND	0.10	ND	0.46		ND				25	
1,3-Dichloropropane	ND	0.27	ND	1.2		ND				25	
cis-1,3-Dichloropropene	ND	0.10	ND	0.45		ND				25	
trans-1,3-Dichloropropene	ND	0.10	ND	0.45		ND				25	
Ethylbenzene	0.11	0.10	0.46	0.43		0.11			0.00	25	
Isopropylbenzene (Cumene)	ND	0.25	ND	1.2		ND				25	
p-Isopropyltoluene (p-Cymene)	ND	0.23	ND	1.3		ND				25	
Methyl tert-Butyl Ether (MTBE)	ND	0.10	ND	0.36		ND				25	
Methylene Chloride	0.58	1.0	2.0	3.5		0.60			4.75	25	
4-Methyl-2-pentanone (MIBK)	0.12	0.10	0.48	0.41		0.11			5.22	25	
Styrene	0.58	0.10	2.5	0.43		0.60			3.71	25	
1,1,1,2-Tetrachloroethane	ND	0.18	ND	1.2		ND				25	

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	RPD	RPD Limit	Flag
	Results	RL	Results	RL	ppbv	Result	%REC	RPD		
Batch B056099 - TO-15 Prep										
Duplicate (B056099-DUP1)	Source: 12G0739-06				Prepared: 07/25/12 Analyzed: 07/26/12					
1,1,2,2-Tetrachloroethane	ND	0.10	ND	0.69		ND			25	
Tetrachloroethylene	1.3	0.10	8.9	0.68		1.3		0.304	25	
Toluene	0.46	0.10	1.7	0.38		0.47		2.13	25	
1,1,1-Trichloroethane	0.12	0.10	0.63	0.55		0.13		9.84	25	
1,1,2-Trichloroethane	ND	0.10	ND	0.55		ND			25	
Trichloroethylene	6.2	0.10	33	0.54		6.5		5.43	25	
Trichlorofluoromethane (Freon 11)	2.4	0.10	13	0.56		2.6		9.11	25	
1,2,4-Trimethylbenzene	0.22	0.10	1.1	0.49		0.23		1.79	25	
1,3,5-Trimethylbenzene	ND	0.10	ND	0.49		ND			25	
Vinyl Chloride	ND	0.10	ND	0.26		ND			25	
m&p-Xylene	0.24	0.20	1.0	0.87		0.24		1.67	25	
o-Xylene	ND	0.10	ND	0.43		0.10			25	
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	<i>8.31</i>					<i>8.00</i>		<i>104</i>	<i>70-130</i>	
<i>Surrogate: 4-Bromofluorobenzene (2)</i>	<i>7.16</i>					<i>8.00</i>		<i>89.6</i>	<i>70-130</i>	

FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
 - † Wide recovery limits established for difficult compound.
 - ‡ Wide RPD limits established for difficult compound.
 - # Data exceeded client recommended or regulatory level
- Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
- L-01 Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
 - V-06 Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

CERTIFICATIONS

Certified Analyses included in this Report

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

CERTIFICATIONS

Certified Analyses included in this Report

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

EPA TO-15 in Air

o-Xylene AIHA,FL,NJ,NY

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2013
CT	Connecticut Department of Public Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2013
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2013
RI	Rhode Island Department of Health	LAO00112	12/30/2012
NC	North Carolina Div. of Water Quality	652	12/31/2012
NJ	New Jersey DEP	MA007 NELAP	06/30/2013
FL	Florida Department of Health	E871027 NELAP	06/30/2013
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2013
WA	State of Washington Department of Ecology	C2065	02/23/2013
ME	State of Maine	2011028	06/9/2013
VA	Commonwealth of Virginia	1381	12/14/2012



ANALYTICAL LABORATORY

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

1260739
 RECORD

Project # 14687.01
 Telephone: (401) 736-3440

Client PO #

Attention: Paul Theroux

Project Location: Alvarez High School, Providence, RI

Sampled By: P.T. and M.T.

Proposal Provided? (For Billing purposes)

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Fax #: (401) 736-3423
 Email: ptheroux@eaest.com

Format: EXCEL PDF GIS KEY OTHER

Field ID	Sample Description	Media Lab #	Date		Total	Flow Rate	Volume	Matrix Code*	TO-15 SIM per contract	"Hg	Summa Canister ID	Flow Controller ID
			Start	Stop								
MP-1		S	7/20/12	7/20/12	1194			SS	✓	30	1465	4205
MP-3		S	7/20/12	7/20/12	1156			SS	✓	30	1881	4197
MP-4		S	7/20/12	7/20/12	1144			SS	✓	30	1846	4195
MP-6		S	7/20/12	7/20/12	1000			SS	✓	29	1061	4208
IMP-1		S	7/20/12	7/20/12	1006			SS	✓	30	1123	4196
IMP-2		S	7/20/12	7/20/12	1006			SS	✓	30	1078	4198

Revised by (signature): [Signature] Date/Time: 7/23/12-10:52

Received by (signature): [Signature] Date/Time: 10:52

Revised by (signature): [Signature] Date/Time: 7/23/12-18:39

Received by (signature): [Signature] Date/Time: 7/23/12-18:39

Approval Required: *72-Hr *4-Day

Turnaround: 7-Day 10-Day Other

Regulations: _____

Data Enhancement/RCP? Y N

Enhanced Data Package Y N

Required Detection Limits: per contract

Other: _____

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

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

CLIENT COMMENTS:

LABORATORY COMMENTS:

REVISIONS:

ANALYSIS REQUESTED

Summa canisters will be returned for a minimum of 14 days after sampling date prior to cleaning.

Please fill out completely, sign, date and retain the yellow copy for your record.

Summa canisters and flow controllers must be returned within 14 days of receipt or rental fees will apply.

Summa canisters will be retained for a minimum of 14 days after sampling date prior to cleaning.

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.



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

1260739

EA Engineering
 2374 Post Road
 Suite 102
 Paul Theroux

Project # 14687.01
 Telephone: (401) 736-3440

Client PO #

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT

Fax #: (401) 736-3423
 Email: pheroux@eaest.com

Format: EXCEL PDF GIS KEY OTHER

Proposal Provided? (For Billing purposes)
 yes no

Project Location: Avarex High School, Providence, RI
 Sampled By: P.T. and M.T.

Field ID	Sample Description	Media	Lab #	Start		Stop		Total	Flow Rate	M ² /Min. or L / Min.	Volume	Liters or M ³	Matrix Code*	Summa Canister ID	Flow Controller ID		
				Date Time	Date Time	Date Time	Date Time										
RTE-1		S	01	7/20/12	1059	grab							SS	24	8	951114	5009
RTE-2		S	08	7/20/12	1054	grab							SS	26	8	-81237	5007

CLIENT COMMENTS:
 grab samples

ANALYSIS REQUESTED
 TO-15 SIM per contract

39 SPRUCE ST
 EAST LONGMEADOW, MA 01028

Page ___ of ___
 Rev. July 2010
 DOC#284

Turnaround **

- 7-Day
- 10-Day
- Other _____
- *24-Hr *48-Hr
- *72-Hr *4-Day

Special Requirements

Regulations: _____
 Data Enhancement/RCP? Y N
 Enhanced Data Package Y N
 (Surcharge Applies)
 Required Detection Limits: per contract
 Other: _____

*Matrix Code:

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

**Media Codes:

- S=summa can
- T=tedar bag
- P=PUF
- T=tube
- F= filter
- C=cassette
- O= Other

Reinquired by: (signature)
 Date/Time: 4/23/12 1:52

Received by: (signature)
 Date/Time: 7/23/12 7:59

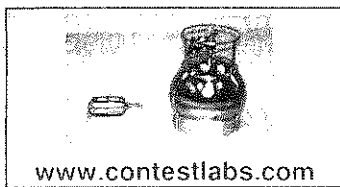
Reinquired by: (signature)
 Date/Time: 7/23/12 18:30

Received by: (signature)
 Date/Time: 7-23-12 18:30

Laboratory Comments:

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AHHA, NELAC & WBE/DBE Certified



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

AIR Only Receipt Checklist

CLIENT NAME: EA Engineering RECEIVED BY: KKM DATE: 7-23-12

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

Who was notified _____ Date _____ Time _____

6) Location where samples are stored:

Air Lab

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

Air Media received at Con-Test

		# of Containers	Types (Size, Duration)
Air Sampling Media	Summa Cans	2	6L
	Tedlar Bags		
	Tubes		
Flow Controllers	Regulators	2	6L Grab
	Restrictors		
Extras	Tubing		
	Other		

Unused Summas:
 1114
 1237
 unused Summa: 1247
 S.D. 7/23/12

Unused Regulators:
 5007
 5009
 unused Regulator: 5008
 WASH S.D. 7/23/12

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

Laboratory Comments:



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

AIR Only Receipt Checklist

CLIENT NAME: EA Engineering RECEIVED BY: SD DATE: 7/23/12

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

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

Containers received at Con-Test		
	# of Containers	Types (Size, Duration)
Summa Cans	6	6 Liter
Tedlar Bags		
Tubes		
Regulators	6	30min 6 Liter
Restrictors		
Tubing		
Other		

Unused Summas:
 1465 1846 1123
 1881 1061 1078

Unused Regulators:
 4205 4195 4196
 4197 4208 4198

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

Laboratory Comments:

September 12, 2012

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

Project Location: Alvarez High School
Client Job Number:
Project Number: 14687.01
Laboratory Work Order Number: 12H1120

Enclosed are results of analyses for samples received by the laboratory on August 31, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lisa A. Worthington
Project Manager

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

REPORT DATE: 9/12/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 14687.01

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12H1120

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

PROJECT LOCATION: Alvarez High School

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
RTF-3	12H1120-01	Sub Slab		EPA TO-15	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

EPA TO-15

Qualifications:

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Acetone, Acrylonitrile, Bromoform, Chloroethane

B058146-BS1

EPA TO-15

Initial and continuing calibrations met all required performance standards for RCP compounds that are Title III Clean Air Act Amendment compounds listed in table 1 of the TO-15 method unless otherwise specified in this narrative.

Laboratory control sample recoveries and sample replicate RPDs were all within limits specified by the method for RCP compounds that are Title III Clean Air Act Amendment compounds listed in table 1 of the TO-15 method unless otherwise specified in this narrative. Recovery limits of 50-150% are used for propene, acetone, ethanol, isopropanol, ethyl acetate, tetrahydrofuran, cyclohexane, heptane, 2-hexanone, 4-ethyltoluene, n-butylbenzene, sec-butylbenzene, 4-isopropyltoluene, and 1,1,1,2-tetrachloroethane.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Daren J. Damboragian
Laboratory Manager

ANALYTICAL RESULTS

Project Location: Alvarez High School
 Date Received: 8/31/2012
Field Sample #: RTF-3
Sample ID: 12H1120-01
 Sample Matrix: Sub Slab
 Sampled: 8/31/2012 08:40

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1147
 Canister Size: 6 liter
 Flow Controller ID: 5007
 Sample Type: Grab

Work Order: 12H1120
 Initial Vacuum(in Hg): -27
 Final Vacuum(in Hg): -9
 Receipt Vacuum(in Hg): -8.8
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Acetone	ND	20		ND	48	10	9/4/12	7:01	TPH
Acrylonitrile	ND	2.9		ND	6.2	10	9/4/12	7:01	TPH
Benzene	ND	0.50		ND	1.6	10	9/4/12	7:01	TPH
Bromodichloromethane	ND	0.50		ND	3.4	10	9/4/12	7:01	TPH
Bromoform	ND	0.50		ND	5.2	10	9/4/12	7:01	TPH
2-Butanone (MEK)	ND	20		ND	59	10	9/4/12	7:01	TPH
n-Butylbenzene	ND	1.4		ND	7.9	10	9/4/12	7:01	TPH
sec-Butylbenzene	ND	1.1		ND	6.3	10	9/4/12	7:01	TPH
Carbon Tetrachloride	ND	0.50		ND	3.1	10	9/4/12	7:01	TPH
Chlorobenzene	ND	0.50		ND	2.3	10	9/4/12	7:01	TPH
Chloroethane	ND	0.50		ND	1.3	10	9/4/12	7:01	TPH
Chloroform	ND	0.50		ND	2.4	10	9/4/12	7:01	TPH
Chloromethane	ND	0.50		ND	1.0	10	9/4/12	7:01	TPH
Dibromochloromethane	ND	0.50		ND	4.3	10	9/4/12	7:01	TPH
1,2-Dibromoethane (EDB)	ND	0.50		ND	3.8	10	9/4/12	7:01	TPH
1,2-Dichlorobenzene	ND	0.50		ND	3.0	10	9/4/12	7:01	TPH
1,3-Dichlorobenzene	ND	0.50		ND	3.0	10	9/4/12	7:01	TPH
1,4-Dichlorobenzene	ND	0.50		ND	3.0	10	9/4/12	7:01	TPH
Dichlorodifluoromethane (Freon 12)	ND	0.50		ND	2.5	10	9/4/12	7:01	TPH
1,1-Dichloroethane	ND	0.50		ND	2.0	10	9/4/12	7:01	TPH
1,2-Dichloroethane	ND	0.50		ND	2.0	10	9/4/12	7:01	TPH
1,1-Dichloroethylene	ND	0.50		ND	2.0	10	9/4/12	7:01	TPH
cis-1,2-Dichloroethylene	ND	0.50		ND	2.0	10	9/4/12	7:01	TPH
trans-1,2-Dichloroethylene	ND	0.50		ND	2.0	10	9/4/12	7:01	TPH
1,2-Dichloropropane	ND	0.50		ND	2.3	10	9/4/12	7:01	TPH
1,3-Dichloropropane	ND	1.4		ND	6.2	10	9/4/12	7:01	TPH
cis-1,3-Dichloropropene	ND	0.50		ND	2.3	10	9/4/12	7:01	TPH
trans-1,3-Dichloropropene	ND	0.50		ND	2.3	10	9/4/12	7:01	TPH
Ethylbenzene	ND	0.50		ND	2.2	10	9/4/12	7:01	TPH
Isopropylbenzene (Cumene)	ND	1.3		ND	6.2	10	9/4/12	7:01	TPH
p-Isopropyltoluene (p-Cymene)	ND	1.1		ND	6.3	10	9/4/12	7:01	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.50		ND	1.8	10	9/4/12	7:01	TPH
Methylene Chloride	ND	5.0		ND	17	10	9/4/12	7:01	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.50		ND	2.0	10	9/4/12	7:01	TPH
Styrene	ND	0.50		ND	2.1	10	9/4/12	7:01	TPH
1,1,1,2-Tetrachloroethane	ND	0.91		ND	6.2	10	9/4/12	7:01	TPH
1,1,2,2-Tetrachloroethane	ND	0.50		ND	3.4	10	9/4/12	7:01	TPH

ANALYTICAL RESULTS

Project Location: Alvarez High School
 Date Received: 8/31/2012
Field Sample #: RTF-3
Sample ID: 12H1120-01
 Sample Matrix: Sub Slab
 Sampled: 8/31/2012 08:40

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1147
 Canister Size: 6 liter
 Flow Controller ID: 5007
 Sample Type: Grab

Work Order: 12H1120
 Initial Vacuum(in Hg): -27
 Final Vacuum(in Hg): -9
 Receipt Vacuum(in Hg): -8.8
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Tetrachloroethylene	6.1	0.50		42	3.4	10	9/4/12	7:01	TPH
Toluene	ND	0.50		ND	1.9	10	9/4/12	7:01	TPH
1,1,1-Trichloroethane	ND	0.50		ND	2.7	10	9/4/12	7:01	TPH
1,1,2-Trichloroethane	ND	0.50		ND	2.7	10	9/4/12	7:01	TPH
Trichloroethylene	3.3	0.50		18	2.7	10	9/4/12	7:01	TPH
Trichlorofluoromethane (Freon 11)	2.2	0.50		13	2.8	10	9/4/12	7:01	TPH
1,2,4-Trimethylbenzene	ND	0.50		ND	2.5	10	9/4/12	7:01	TPH
1,3,5-Trimethylbenzene	ND	0.50		ND	2.5	10	9/4/12	7:01	TPH
Vinyl Chloride	ND	0.50		ND	1.3	10	9/4/12	7:01	TPH
m&p-Xylene	ND	1.0		ND	4.3	10	9/4/12	7:01	TPH
o-Xylene	ND	0.50		ND	2.2	10	9/4/12	7:01	TPH

Surrogates	% Recovery	% REC Limits		
4-Bromofluorobenzene (1)	105	70-130	9/4/12	7:01
4-Bromofluorobenzene (2)	110	70-130	9/4/12	7:01

Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
12H1120-01 [RTF-3]	B058146	1	1	N/A	1000	400	40	09/04/12

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

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

Batch B058146 - TO-15 Prep

Blank (B058146-BLK1)

Prepared & Analyzed: 09/04/12

Acetone	ND	1.0
Acrylonitrile	ND	0.14
Benzene	ND	0.025
Bromodichloromethane	ND	0.025
Bromoform	ND	0.025
2-Butanone (MEK)	ND	1.0
n-Butylbenzene	ND	0.072
sec-Butylbenzene	ND	0.057
Carbon Tetrachloride	ND	0.025
Chlorobenzene	ND	0.025
Chloroethane	ND	0.025
Chloroform	ND	0.025
Chloromethane	ND	0.025
Dibromochloromethane	ND	0.025
1,2-Dibromoethane (EDB)	ND	0.025
1,2-Dichlorobenzene	ND	0.025
1,3-Dichlorobenzene	ND	0.025
1,4-Dichlorobenzene	ND	0.025
Dichlorodifluoromethane (Freon 12)	ND	0.025
1,1-Dichloroethane	ND	0.025
1,2-Dichloroethane	ND	0.025
1,1-Dichloroethylene	ND	0.025
cis-1,2-Dichloroethylene	ND	0.025
trans-1,2-Dichloroethylene	ND	0.025
1,2-Dichloropropane	ND	0.025
1,3-Dichloropropane	ND	0.068
cis-1,3-Dichloropropene	ND	0.025
trans-1,3-Dichloropropene	ND	0.025
Ethylbenzene	ND	0.025
Isopropylbenzene (Cumene)	ND	0.064
p-Isopropyltoluene (p-Cymene)	ND	0.057
Methyl tert-Butyl Ether (MTBE)	ND	0.025
Methylene Chloride	ND	0.25
4-Methyl-2-pentanone (MIBK)	ND	0.025
Styrene	ND	0.025
1,1,1,2-Tetrachloroethane	ND	0.046
1,1,2,2-Tetrachloroethane	ND	0.025
Tetrachloroethylene	ND	0.025
Toluene	ND	0.025
1,1,1-Trichloroethane	ND	0.025
1,1,2-Trichloroethane	ND	0.025
Trichloroethylene	ND	0.025
Trichlorofluoromethane (Freon 11)	ND	0.025
1,2,4-Trimethylbenzene	ND	0.025
1,3,5-Trimethylbenzene	ND	0.025
Vinyl Chloride	ND	0.025

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	%REC	RPD	RPD	Flag
	Results	RL	Results	RL	ppbv	Result	Limits	RPD	Limit		
Batch B058146 - TO-15 Prep											
Blank (B058146-BLK1)						Prepared & Analyzed: 09/04/12					
m&p-Xylene	ND	0.050									
o-Xylene	ND	0.025									
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	8.34				8.00	104	70-130				
<i>Surrogate: 4-Bromofluorobenzene (2)</i>	8.82				8.00	110	70-130				
LCS (B058146-BS1)						Prepared & Analyzed: 09/04/12					
Acetone	6.34				5.00	127	70-130				V-06
Acrylonitrile	3.51				2.88	122	70-130				V-06
Benzene	4.12				5.00	82.4	70-130				
Bromodichloromethane	4.65				5.00	93.1	70-130				
Bromoform	5.90				5.00	118	70-130				V-06
2-Butanone (MEK)	4.95				5.00	98.9	70-130				
n-Butylbenzene	1.41				1.14	124	70-130				
sec-Butylbenzene	1.37				1.14	120	70-130				
Carbon Tetrachloride	4.87				5.00	97.5	70-130				
Chlorobenzene	4.56				5.00	91.2	70-130				
Chloroethane	6.41				5.00	128	70-130				V-06
Chloroform	4.61				5.00	92.1	70-130				
Chloromethane	5.63				5.00	113	70-130				
Dibromochloromethane	5.39				5.00	108	70-130				
1,2-Dibromoethane (EDB)	4.86				5.00	97.1	70-130				
1,2-Dichlorobenzene	4.67				5.00	93.5	70-130				
1,3-Dichlorobenzene	4.83				5.00	96.7	70-130				
1,4-Dichlorobenzene	4.74				5.00	94.8	70-130				
Dichlorodifluoromethane (Freon 12)	5.09				5.00	102	70-130				
1,1-Dichloroethane	4.30				5.00	85.9	70-130				
1,2-Dichloroethane	4.25				5.00	85.0	70-130				
1,1-Dichloroethylene	4.19				5.00	83.8	70-130				
cis-1,2-Dichloroethylene	4.32				5.00	86.4	70-130				
trans-1,2-Dichloroethylene	4.00				5.00	80.0	70-130				
1,2-Dichloropropane	4.22				5.00	84.5	70-130				
1,3-Dichloropropane	1.44				1.35	107	70-130				
cis-1,3-Dichloropropene	4.73				5.00	94.6	70-130				
trans-1,3-Dichloropropene	4.47				5.00	89.4	70-130				
Ethylbenzene	4.74				5.00	94.9	70-130				
Isopropylbenzene (Cumene)	1.51				1.27	119	70-130				
p-Isopropyltoluene (p-Cymene)	1.37				1.14	120	70-130				
Methyl tert-Butyl Ether (MTBE)	4.54				5.00	90.8	70-130				
Methylene Chloride	4.42				5.00	88.5	70-130				
4-Methyl-2-pentanone (MIBK)	4.26				5.00	85.3	70-130				
Styrene	4.94				5.00	98.8	70-130				
1,1,1,2-Tetrachloroethane	1.06				0.910	116	70-130				
1,1,2,2-Tetrachloroethane	4.80				5.00	96.0	70-130				
Tetrachloroethylene	4.78				5.00	95.6	70-130				
Toluene	4.57				5.00	91.5	70-130				
1,1,1-Trichloroethane	4.42				5.00	88.5	70-130				
1,1,2-Trichloroethane	4.65				5.00	93.0	70-130				

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

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

Batch B058146 - TO-15 Prep

LCS (B058146-BS1)

Prepared & Analyzed: 09/04/12

Trichloroethylene	4.48				5.00		89.7			70-130	
Trichlorofluoromethane (Freon 11)	5.78				5.00		116			70-130	
1,2,4-Trimethylbenzene	4.78				5.00		95.7			70-130	
1,3,5-Trimethylbenzene	4.74				5.00		94.7			70-130	
Vinyl Chloride	5.79				5.00		116			70-130	
m&p-Xylene	9.68				10.0		96.8			70-130	
o-Xylene	4.83				5.00		96.5			70-130	
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	<i>8.81</i>				<i>8.00</i>		<i>110</i>			<i>70-130</i>	
<i>Surrogate: 4-Bromofluorobenzene (2)</i>	<i>9.20</i>				<i>8.00</i>		<i>115</i>			<i>70-130</i>	

FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
 - † Wide recovery limits established for difficult compound.
 - ‡ Wide RPD limits established for difficult compound.
 - # Data exceeded client recommended or regulatory level
- Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
- V-06 Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

CERTIFICATIONS

Certified Analyses included in this Report

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

CERTIFICATIONS

Certified Analyses included in this Report

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

EPA TO-15 in Air

o-Xylene AIHA,FL,NJ,NY

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2013
CT	Connecticut Department of Public Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2013
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2013
RI	Rhode Island Department of Health	LAO00112	12/30/2012
NC	North Carolina Div. of Water Quality	652	12/31/2012
NJ	New Jersey DEP	MA007 NELAP	06/30/2013
FL	Florida Department of Health	E871027 NELAP	06/30/2013
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2013
WA	State of Washington Department of Ecology	C2065	02/23/2013
ME	State of Maine	2011028	06/9/2013
VA	Commonwealth of Virginia	1381	12/14/2012



www.contestlabs.com



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

AIR Only Receipt Checklist

CLIENT NAME: EA Engineering, Science & Technology RECEIVED BY: SD DATE: 8/31/12

1) Was the chain(s) of custody relinquished and signed? Yes No

2) Does the chain agree with the samples? Yes No
If not, explain:

3) Are all the samples in good condition? Yes No
If not, explain:

4) Are there any samples "On Hold"? Yes No Stored where:

5) Are there any RUSH or SHORT HOLDING TIME samples? Yes No
Who was notified _____ Date _____ Time _____

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

Containers received at Con-Test

	# of Containers	Types (Size, Duration)
Summa Cans	1	6L
Tedlar Bags		
Tubes		
Regulators	1	Grab
Restrictors		
Tubing		
Other		

~~Unused Summas:~~
1147

~~Unused Regulators:~~
5007

1) Was all media (used & unused checked into the WASP?

2) Were all returned summa cans, Restrictors, & Regulators documented as returned in the Air Lab Inbound/Outbound Excel Spreadsheet?

Laboratory Comments:

APPENDIX E

Laboratory Method Reporting Limits Correspondence



39 Spruce Street
East Longmeadow, MA 01089

October 11, 2012

Mr. Ron Mack
EA Engineering Science & Technology
2350 Post Road
Warwick, RI 02886
RE: CT Remediation Standard Regulations – Work Order 12G0739

Dear Mr. Mack:

This letter is in response to the Residential Target Indoor Air numbers published in the Remediation Standard Regulations. Several of the TAC's, which are calculated based on risk, appear to be beyond the scope of the current methodologies available, as well as, the current analytical instrumentation available for these methods. The following compounds that Con-Test Laboratory had issues meeting the limits are listed below:

Bromodichloromethane
1,1,2,2-Tetrachloroethane
1,1,1,2-Tetrachloroethane
1,2-Dibromoethane

If you have any questions please feel free to call me at (413) 525-2332 ext. 41.

Sincerely,

A handwritten signature in black ink that reads "Tod Kopyscinski". The signature is written in a cursive style with a long horizontal line extending from the start of the name.

Tod Kopyscinski
Air Laboratory Manager