EA Engineering, Science, and Technology, Inc.

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25 June 2009

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

RE: Quarterly O&M Status Report No. 7
Alvarez High School, 333 Adelaide Avenue, Providence, Rhode Island
Case No. 2005-029
EA Project No. 14613.01

Dear Mr. Martella:

On behalf of the City of Providence School Department (City), EA Engineering, Science, and Technology, Inc. (EA) is providing this Quarterly Operations and Maintenance (O&M) Status Report in accordance with Provision 6(f) of the Order of Approval and amendments (Amended OA) for the referenced Alvarez High School site (the Site, formerly Adelaide Avenue High School). This O&M Report summarizes recently completed Site activities related to compliance sub-slab vapor and indoor air sampling from the period between December 2008 and February 2009. If you have any questions or require additional information, please contact me at 401-736-3440, Ext. 202.

Sincerely,

EA ENGINEERING, SCIENCE,
AND TECHNOLOGY, INC.

Mark K. Speer

Mark K. Speer, P.E.
Senior Engineer

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

Quarterly O&M Status Report No. 7

Summarizing Sub-Slab Depressurization and Indoor Air Monitoring and Sampling Activities

Alvarez High School Site (Formerly Adelaide Avenue High School) Providence, Rhode Island

Prepared for

City of Providence School Department
797 Westminster Street
Providence, Rhode Island 02903

Prepared by

EA Engineering, Science, and Technology, Inc.
2350 Post Road
Warwick, Rhode Island 02886
(401) 736-3440

June 2009
EA Project No. 14613.01

CONTENTS

FIGURES

APPENDICES

1. INTRODUCTION AND BACKGROUND

On behalf of the City of Providence School Department (the City), EA Engineering, Science, and Technology, Inc. (EA) has prepared this Quarterly Operations and Maintenance (O&M) Status Report No. 7 for the Parcel B area of the former Gorham Manufacturing site in Providence, Rhode Island, formerly referred to as the Adelaide Avenue High School and now referred to as the Alvarez High School site (the Site). A Site Location Map is provided as Figure 1. This report has been prepared to satisfy provision 6(f) of the Rhode Island Department of Environmental Management (RIDEM) Order of Approval (OA) issued in June 2006, as amended in February and July 2007. For the purposes of this report, the original and the amended Orders of Approval will collectively be referred to as the Amended OA.

The Amended OA specifies the details of the approved remedy for the Site including, but not limited to, the installation of a sub-slab 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.

This report summarizes the O&M, monitoring, and sampling activities completed at the Site for the 3-month period from March 2009 through May 2009 (Quarterly Reporting Period No. 7), and also includes an overall evaluation of volatile organic compound (VOC) concentrations within soil gas as they pertain to a potential "rebound effect" at the Site. Please refer to the Quarterly O&M Status Reports No. 1 through No. 6 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

During this reporting period, 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 sub-slab vacuum monitoring at 11 monitoring locations, as illustrated on the As-Built Sub-Slab Monitoring & Sampling Plan included in Appendix C
- Monthly inspections and monitoring of rooftop fans (air velocity and vacuum) to verify proper operation
- Continuous electronic monitoring (with automatic alarm notification via audible signal and phone notification) at each of three SSD System extraction fans to ensure continuous operation.

All vacuum measurements taken at each interior and perimeter sub-slab monitoring/sampling location were between -0.01 and -0.14 in. of water column, indicating continuous negative pressure values beneath the building slab.

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

During this reporting period, indoor methane concentrations were continuously monitored by an indoor methane monitoring system (equipped with automatic alarm notification via audible signal and phone notification) within the school at eight RIDEM-approved locations (refer to the Indoor Air Sampling and Methane Monitoring System Diagram included in Appendix B). In addition, the methane monitoring system was inspected, and supplemental methane monitoring was completed by EA on a monthly basis to provide an additional layer of system verification. The indoor methane monitoring system operated continuously throughout this reporting period with no equipment shutdowns, failures, alarms, or interruptions of any type, and no methane was detected during any of the supplemental monthly indoor methane monitoring events.

In March 2008, 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 July 2009.

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 26 March 2009, and 29 April 2009. Sampling locations are shown on the Indoor Air Sampling and Methane Monitoring System Diagram provided in Appendix B. In accordance with the Amended OA, the indoor air sampling results were compared to the State of Connecticut's Draft Proposed Indoor Residential Targeted Air Concentrations (CT RTACs). The laboratory reporting limits (RLs) for several VOCs reported via TO-15 analysis, even though analyzed via the SIM procedure are 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. A RL verification letter from Alpha Analytical Laboratory is provided in Appendix D. A data summary table and copies of the laboratory data reports associated with these two sampling events are provided in Appendix B. As detailed below, one contaminant was detected above the CT RTACs in each month of this quarter.

Carbon tetrachloride, a documented background ambient compound present at the Site and typical in urban communities, has consistently been detected in ambient outdoor air and inside the school during every sampling event completed at the Site at concentrations ranging between 0.19 to 0.77 ug/m^3. Similarly, during this reporting period the ambient outdoor and indoor air concentrations of carbon tetrachloride ranged between 0.515 and 0.622 ug/m^3. Based upon discussions and guidance provided by the Rhode Island Department of Health and RIDEM Office of Waste Management and Office of Air Resources, these carbon tetrachloride results do not constitute Indoor Air Action Level exceedances for the Site since they are consistent with documented background concentrations.

2.3.1 Order Of Approval Amendment Request

Pursuant to the Amended O&A, EA, on behalf of the City of Providence, has performed monthly indoor air and subslab vapor sampling and analysis. In a letter dated 27 April 2009, EA requested a reduction of sampling frequency, reducing monthly sampling requirements to quarterly, or once every three months. In the Order of Approval Amendment Request, EA summarized the data collected since March 2007, which has consistently indicated that subslab vapor intrusion is not occurring within the school. The Amendment Request was verbally approved, pending further review, by RIDEM through telephone conversations. Therefore, indoor air and subslab vapor sampling and analysis was not conducted in May 2009. However, an indoor air quality survey, through the utilization of a photo-ionization detector with part-per-billion accuracy was conducted in each month, including May. Results of the survey indicate

compliance with indoor air quality standards. Please find the Order of Approval Amendment Request in Attachment E.

2.3.2 March Sampling Event

Analytical results of the March sampling indicated the presence of three contaminants in excess of the CT RTACs. In accordance with the Order of Approval and amendments (Amended OA) for this Site, your office was notified via telephone that three compounds, 1,2-Dichloroethane, Trichloroethylene, and Methylene Chloride, were detected within several samples collected from the Alvarez High School at concentrations that exceed the State of Connecticut's Draft Proposed Indoor Residential Targeted Air Concentrations. The detections are detailed below:

- **1,2-Dichloroethane**
  - Standard: 0.07 $\mu g/m^3$
  - Gymnasium: 0.087 $\mu g/m^3$
  - Cafeteria: 0.084 $\mu g/m^3$

- **Trichloroethylene**
  - Standard: 1.00 $\mu g/m^3$
  - Gymnasium: 1.51 $\mu g/m^3$
  - Kitchen Storage Room: 4.00 $\mu g/m^3$
  - Room 145: 1.61 $\mu g/m^3$
  - Room 110: 1.18 $\mu g/m^3$
  - Ambient Outdoor Air: 6.87 $\mu g/m^3$

- **Methylene Chloride**
  - Standard: 3.0 $\mu g/m^3$
  - Gymnasium: 4.01 $\mu g/m^3$
  - Kitchen Storage Room: 7.54 $\mu g/m^3$
  - Room 145: 4.06 $\mu g/m^3$
  - Room 110: 3.23 $\mu g/m^3$
  - Ambient Outdoor Air: 11.6 $\mu g/m^3$

Upon receipt of this data, EA referenced monitoring field notes and analytical results of subslab vapor sampling, which was conducted concurrently with the indoor air sampling. Monitoring notes indicate the SSD System continues to operate effectively in accordance with design. Analytical results from subslab vapor sampling indicate that Trichloroethylene was detected at the subslab vapor points at concentrations ranging from 3.88 to 25.1 $\mu g/m^3$, methylene chloride was detected in the subslab at concentrations ranging from non-detectable concentrations to 16.1 $\mu g/m^3$, and 1,2-Dichloroethane was detected in the subslab at concentrations ranging from non-detectable concentrations to 0.133 $\mu g/m^3$.

Please note ambient air concentrations of Methylene Chloride and Trichloroethylene were detected at concentrations greater than those detected within the indoor air samples collected from within the school. The high indoor air concentrations are most likely directly attributable

to the "outside" ambient air concentrations, as the outside air is used to ventilate the school. EA has researched ambient air concentrations in the vicinity of the school as well as potential sources of the compounds and has not found a definitive direct source. The ambient air sample was taken from an upwind location (south) on the day of sampling.

EA has also noted a correlation between the detection of Methylene Chloride and Trichloroethylene as these compounds were detected in the same samples. The highest concentrations of Methlyene Chloride and Trichloroethylene were both detected in the ambient air sample as well. Considering Methylene Chloride is not a site contaminant and is a common laboratory contaminant, EA has questioned the validity of the analytical results. However, the laboratory (Alpha Analytical Laboratory) insists the data is valid.

2.3.3 April Sampling Event

In accordance with the Order of Approval and amendments (Amended OA) for this Site, your office was notified via telephone that one compound, 1,2-Dichloroethane, was detected within a sample collected from Room 118 (Figure 1) at a concentration that exceeds the State of Connecticut's Draft Proposed Indoor Residential Targeted Air Concentrations (0.089 $\mu g/m^3$ vs. criteria of 0.082 $\mu g/m^3$).

Upon receipt of this detection, EA reviewed monitoring field notes and analytical results of subslab vapor sampling, which was conducted concurrently with the indoor air sampling. Analytical results indicate that 1,2-Dichloroethane was detected in two samples collected from subslab vapor sampling points, MP-3 and IMP-3 (Figure 2) at concentrations of 0.319 and 0.089 $\mu g/m^3$, respectively.

1,2-Dichloroethane has historically been used in degreasing, paint removal, and carpet cleaning products. Room 118, which is the music classroom, is the only room with carpeting. Therefore, a carpet cleaning product may be the source of the detection, as well as a graffiti removal product. The compound is also used as a precursor in the production of PVC, which is the material the subslab sampling points are made from. This may also be a cause for the subslab detections.

2.4 SUB-SLAB VAPOR SAMPLING AND EVALUATION OF POTENTIAL "VOC REBOUND" EFFECT

A total of 12 RIDEM-approved sub-slab sampling locations exist at the Site. In accordance with the Amended OA, four sub-slab vapor samples were collected in accordance with a RIDEM-approved rotating sampling schedule and analyzed for VOCs via Method TO-15 SIM on 26 March 2009 and 29 April 2009. The sub-slab data is summarized in Appendix C, along with copies of the laboratory data reports associated with these sampling events.

In accordance with the Amended OA, the sub-slab data has been evaluated, and there is no evidence of increasing VOCs (i.e., VOC rebound) beneath the school.

2.5 SUMMARY OF ROOFTOP VOC EMISSIONS

The Amended OA requires that rooftop VOC sampling be completed on an annual basis. The most recent rooftop VOC sampling event was completed in June 2008 and was summarized in correspondence submitted to RIDEM in October 2008. Please refer to the previously submitted Quarterly Status Report No. 4 (dated October 2008) for more details regarding the rooftop VOC data. The next annual rooftop VOC sampling event was scheduled for June 2009, but will be conducted in July 2009, as air sampling and analysis will not be conducted in June.

2.6 CONCLUSIONS

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

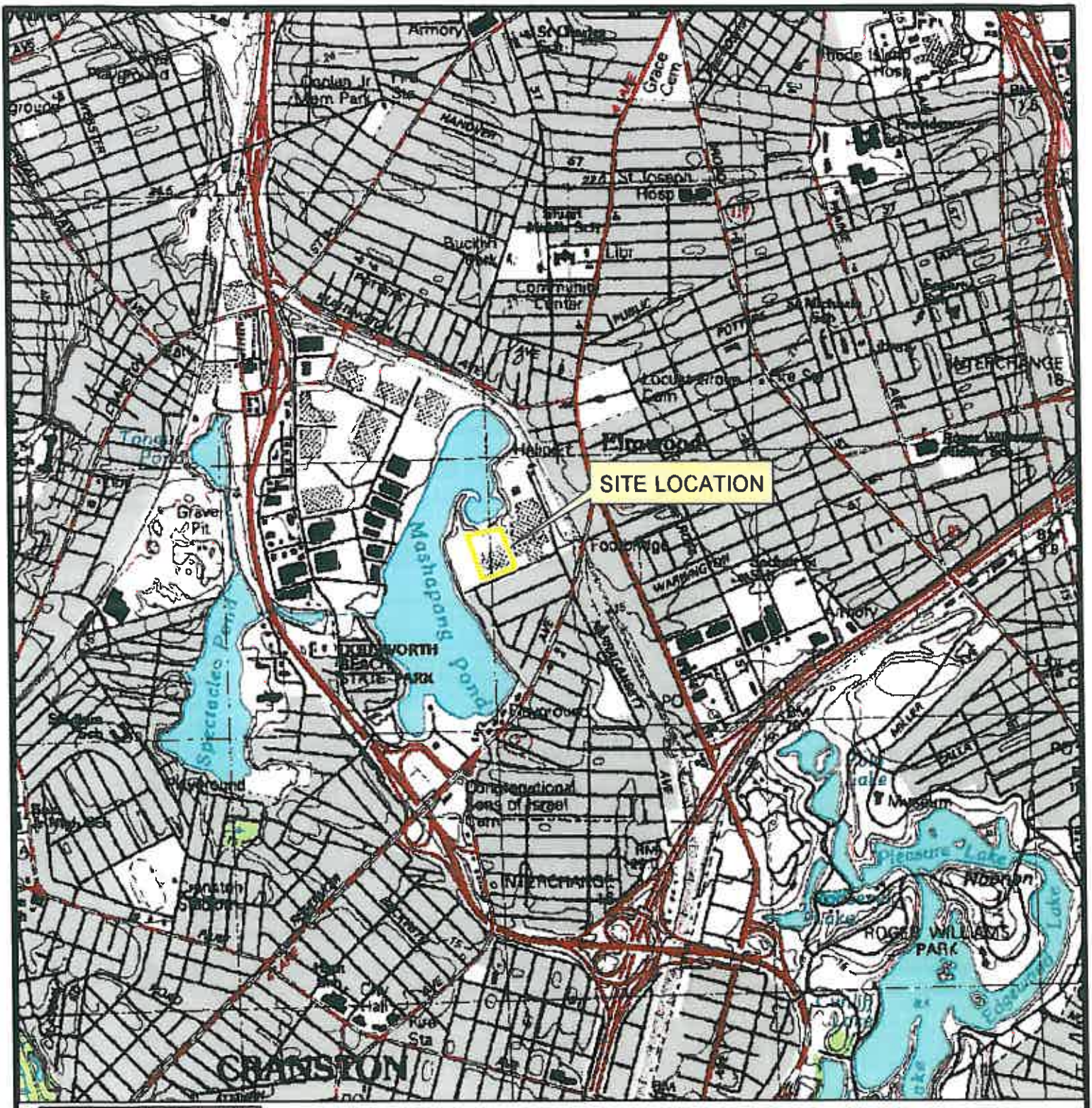
- RIDEM tentatively verbally approved an Order of Approval Amendment Request, requiring quarterly, rather than monthly, indoor air and subslab vapor sampling.
- Analytical results from indoor air sampling conducted this quarter indicate the presence of contaminants within indoor air, although sub-slab vapor sampling and analysis indicates that the contaminants are not due to sub-slab vapor intrusion.
- There is no evidence that soil vapor intrusion into the Alvarez High School is occurring.
- There is no evidence of "VOC rebound" in soil gas beneath the school.
- The continuous operation of the SSD System, with no equipment malfunctions or alarm conditions, and confirmation of continuous sub-slab vacuum beneath the school illustrates ongoing, effective operation of the SSD System and that no soil vapor intrusion pathway exists at the school while the SSD System is operational.
- The continuous operation of the indoor air methane monitoring system with no equipment malfunctions or alarm conditions illustrates ongoing, effective operation of the continuous indoor methane monitoring system.
- No SSD System modifications or other actions to address current site conditions are warranted or proposed at this time.

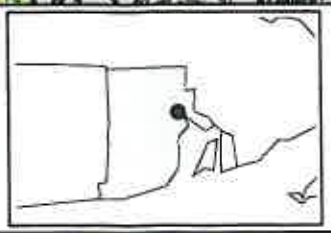
3. FUTURE ACTIVITIES AND NEXT QUARTERLY SUMMARY REPORT

During the next quarterly status reporting period ending 31 August 2009, the following activities will be completed in accordance with the Amended OA:

- Continuous indoor methane monitoring;
- Continuous monitoring of the operational status of the three rooftop fans;
- Monthly site inspections and monitoring using a photo-ionization detector with part-per-billion sensitivity;
- Collection of air samples from eight indoor locations, one ambient location, and six sub-slab monitoring points in July 2009.

These activities will be summarized in the next status report (Quarterly Status Report No. 8), expected to be submitted by the end of September 2009.





0 1,375 2,750 5,500 Feet

N

EA	FORMER GORHAM MANUFACTURING SITE, PARCEL B 333 ADELAIDE AVENUE PROVIDENCE, RHODE ISLAND						FIGURE 1 SITE LOCATION MAP
PROJECT MGR: TR	DESIGNED BY: DC	CREATED BY: DC	CHECKED BY: JP	SCALE: AS SHOWN	DATE: FEBRUARY 2005	PROJECT NO: 6196501	FILE NO: I:\RI\FIG1 333 ADELAIDE_PROV.MXD

Appendix A

O&M Field Forms

Adelaide Avenue School - SSD & Interior Methane Monitoring System O&M Form

Date of O&M: 4/29/2009 Performed by DMA/DB

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

Date of last Methane Sensor Filter Replacement: 3/1/2009 Replaced this O&M Visit? No (yes/no)

General Status of SSD System: On-line

General Status of Methane Monitoring System: On-line

Eng Cap/Fence Inspection Performed/Notes

Monitoring/ Sampling Location	Sub-slab or gauge vacuum	Air Velocity (fpm)	VOC Monitoring	Methane Monitoring			Air/Vapor Sample Collection						Comments/Notes (Ambient weather conditions, status of HVAC, possible monitoring/sampling interferences, etc .... continue on separate sheet if needed)
			PID (ppm)	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	0.067	0	0	0	2835	0270	7:13	-30	7:43	-2	
Cafetena	NA	NA	0.028	0	0	0	2991	0045	7:24	-30	7:58	-1	Cafetena occupied
Kitchen Storage Room	NA	NA	0.004	0	0	0	7613	0019	7:26	-29	8:00	-1	
Elevator Hallway	NA	NA	0.053	0	0	0	7623	0289	7:23	-30	7:55	-1	
Room 145	NA	NA	0.000	0	0	0	3993	0404	7:15	-30	7:45	-2	
Room 152	NA	NA	0.000	0	0	0	7540	FC-0062	7:16	-30	7:46	-1	
Room 118	NA	NA	0.000	0	0	0	3994	0036	7:19	-30+	7:50	-4	
Room 110	NA	NA	0.000	0	0	0	4006	0272	7:20	-30	7:50	-1	
MP-1	0.07	NA	0.000	NA	0	0	–	–	–	–	–	–	
MP-2	0.12	NA	0.118	NA	0	0	–	–	–	–	–	–	
MP-3	0.05	NA	14.200	NA	0	0	0506	0152	9:10	-30+	9:38	-4	
MP-4	0.02	NA	0.654	NA	0	0	–	–	–	–	–	–	
MP-5	0.11	NA	0.580	NA	0	0	–	–	–	–	–	–	
MP-6	0.14	NA	3.470	NA	0	0	–	–	–	–	–	–	
MP-7	0.04	NA	0.112	NA	0	0	0381	0368	9:43	-29	10:12	-4	
MP-8	0.11	NA	.061	NA	0	0	–	–	–	–	–	–	
IMP-1	0.03	NA	044	NA	0	0	0063	0206	7:47	-30+	8:15	-1	
IMP-2	0.02	NA	0	NA	0	0	–	–	–	–	–	–	
IMP-3	0.01	NA	0	NA	0	0	0255	0448	8:17	-29	8:46	-1	
Roof-Top Fan 1	2.00	1430	0.000	NA	0	0	–	–	–	–	–	–	
Roof-Top Fan 2	3.70	1960	0.020	NA	0	0	–	–	–	–	–	–	
Roof-Top Fan 3	Broken	1130	0.530	NA	0	0	–	–	–	–	–	–	
Ambient Outdoor Air	NA	NA	0.000	NA	0	0	6872	0005	8:49	-29	9:22	-20	Still has vac. (northerly wind)

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.

Adelaide Avenue School - SSD & Interior Methane Monitoring System O&M Form

Date of O&M: 6/3/2009 Performed by: DMA

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

Date of last Methane Sensor Filter Replacement: 3/1/2009 Replaced this O&M Visit? No (yes/no)

General Status of SSD System: On-Line

General Status of Methane Monitoring System: On-Line

Eng Cap/Fence Inspection Performed/Notes: Intact - No deficiencies noted / Monthly Monitoring Event - No sampling took place during this event

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 (ppm)	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	0 013	0									
Cafetena	NA	NA	0	0									
Kitchen Storage Room	NA	NA	0	0									
Elevator Hallway	NA	NA	0.015	0									
Room 145	NA	NA	0	0									
Room 152	NA	NA	0	0									
Room 118	NA	NA	0.02	0									
Room 110	NA	NA	0	0									
MP-1	0.08	NA	1 731	NA									
MP-2	0.09	NA	0.138	NA									
MP-3	0.06	NA	23.3	NA									
MP-4	0.03	NA	0.837	NA									
MP-5	0.10	NA	0.629	NA									
MP-6	0.08	NA	54.7	NA									
MP-7	0 04	NA	0.218	NA									
MP-8	0.11	NA	0.096	NA									
IMP-1	0 04	NA	0.013	NA									
IMP-2	0 03	NA	0.011	NA									
IMP-3	0.03	NA	0.013	NA									
Roof-Top Fan 1	2.00	1353	0	NA									
Roof-Top Fan 2	3 80	2123	0.002	NA									
Roof-Top Fan 3	Broken	1256	3.55	NA									
Ambient Outdoor Air	NA	NA	0	NA									

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.

Adelaide Avenue School - SSD & Interior Methane Monitoring System O&M Form

Date of O&M: 6/22/2009 Performed by: DMA

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

Date of last Methane Sensor Filter Replacement: 3/1/2009 Replaced this O&M Visit? Yes (yes/no)

General Status of SSD System: On-Line

General Status of Methane Monitoring System: On-Line

Eng. Cap/Fence Inspection Performed/Notes: Intact - No deficiencies noted / Monthly Monitoring Event - No sampling took place during this event.

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 (ppm)	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									
Cafeteria	NA	NA	0	0									
Kitchen Storage Room	NA	NA	0	0									
Elevator Hallway	NA	NA	0	0									
Room 145	NA	NA	0	0									
Room 152	NA	NA	0	0									
Room 118	NA	NA	0	0									
Room 110	NA	NA	0	0									
MP-1	0.06	NA	1.473	NA									
MP-2	0.07	NA	0.127	NA									
MP-3	0.07	NA	2.6	NA									
MP-4	0.03	NA	0.056	NA									
MP-5	0.10	NA	0.329	NA									
MP-6	0.08	NA	21.2	NA									
MP-7	0.05	NA	0.127	NA									
MP-8	0.10	NA	0.038	NA									
IMP-1	0.02	NA	0.116	NA									
IMP-2	0.02	NA	0	NA									
IMP-3	0.02	NA	0	NA									
Roof-Top Fan 1	2.00	1286	0.012	NA									
Roof-Top Fan 2	3.80	1654	0.006	NA									
Roof-Top Fan 3	Broken	1326	1.2	NA									
Ambient Outdoor Air	NA	NA	0	NA									

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 Reports

Methane Sensor Location in West Wing

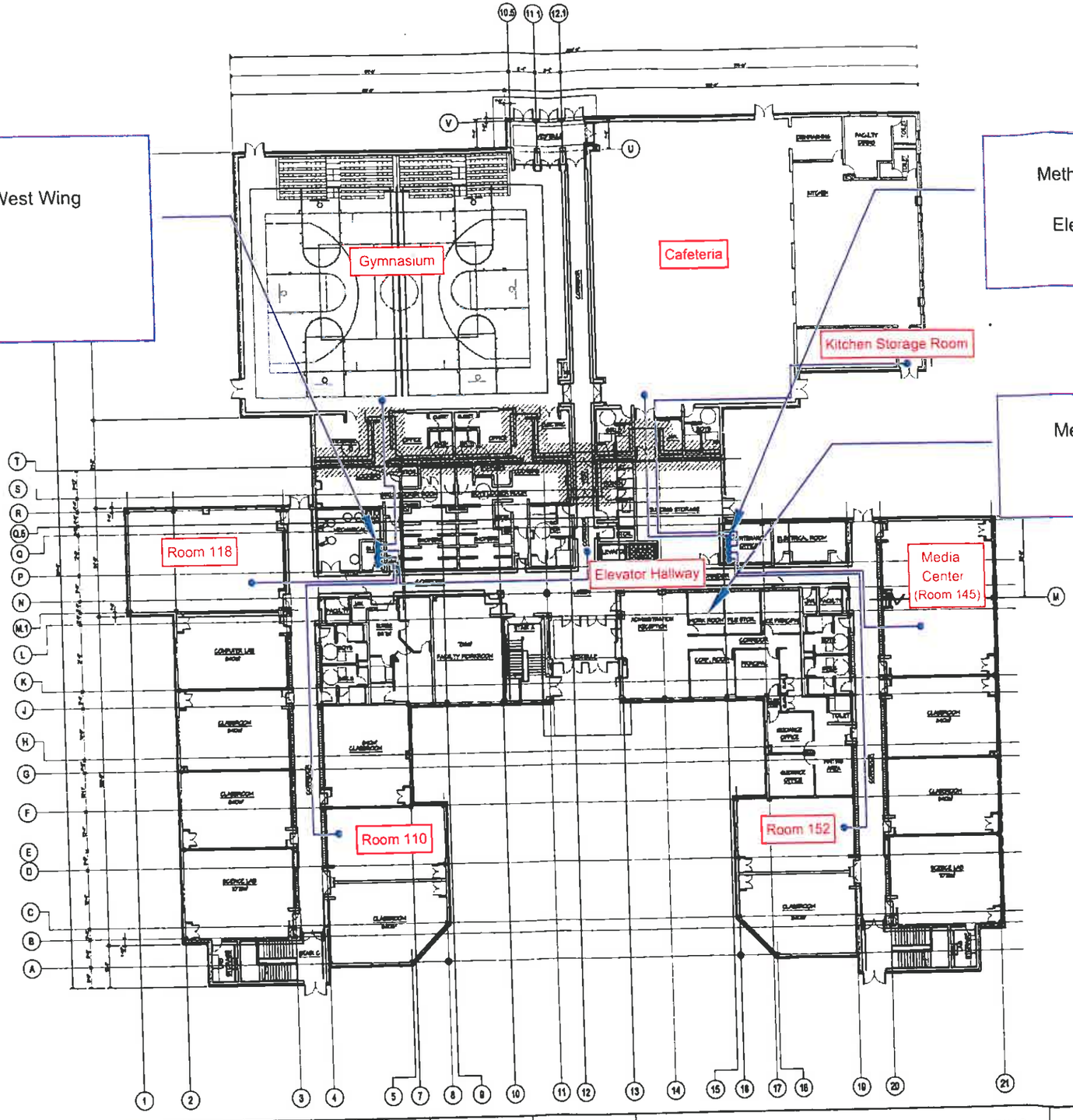
Electrical Room Area

Methane Sensor Location in East Wing

Electrical Room/Maintenance Office Area.

Methane System Controller Location

Adminstration 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	INDOOR AIR SAMPLING AND METHANE MONITORING SYSTEM DIAGRAM - GORHAM HIGH SCHOOL PROVIDENCE, RHODE ISLAND
CHECKED BY: PMG	PROJECT MGR.: PMG	SCALE: NTS	DRAWING NO.: –	FIGURE: N/A	QUARTERLY STATUS REPORT APPENDIX B

Summary of Indoor Ambient Outdoor Air Sampling Data - Adelaide Avenue School Project - Volatile Organic Compounds
March 2007 - April 2009

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/Interim RIDEM-Approved Action Level	Kitchen Storage Rm	Qual	Cafeteria	Qual	Gymnasium	Qual	Elevator Hallway	Qual	Room 118	Qual	Room 119	Qual	Media Cab (Rm 145)	Qual	Room 152	Qual	Ambient Outdoor	Qual
1,1,1-Trichloroethane*	19-Mar-07		0.110		0.110		0.110		0.110		0.110		0.110	U	0.110		0.110		0.110	U
	22-Mar-07		0.184		0.108		0.108		0.108		0.108		0.108		0.108		0.108		0.108	
	26-Apr-07		0.119		0.118		0.196		0.120		0.140		0.120		0.120		0.110		0.110	
	21-May-07		0.110	U	0.110	U	0.170	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	29-Jun-07		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
	30-Jul-07		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
	22-Aug-07		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.120	U	0.110	U	0.110	U
	20-Sep-07	500	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	9-Oct-07		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
	7-Nov-07		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
	6-Dec-07		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
	4-Jan-08		0.160		0.140		0.110	U	0.120		0.120		0.120		0.130		0.110	U	0.110	U
	8-Feb-08		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	27-Mar-08		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
	25-Apr-08		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
	29-May-08		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	27-Jun-08		0.110	U	0.110	U	0.110	U	0.110	U	0.109	U	0.109	U	0.110	U	0.110	U	0.109	U
	31-Jul-08		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
	28-Aug-08		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
	30-Sep-08		2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U
	27-Oct-08		3.400	U	3.400	U	3.400	U	3.140	U	3.400	U	3.400	U	3.400	U	3.400	U	3.400	U
	25-Nov-08		2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U
	18-Dec-08		2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U
	21-Jan-09		2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U	2.700	U
	25-Feb-09		2.700	U	2.700	U	2.700	U	NS		2.700	U	2.700	U	2.700	U	2.700	U	2.700	U
	26-Mar-09		0.108	U	0.108	U	0.108	U	0.108	U	0.108	U	0.108	U	0.108	U	0.108	U	0.108	U
	29-Apr-09		0.120		0.109	U	0.109	U	0.109	U	0.109	U	0.153		0.229		0.174		0.272	
1,1,2,2-Tetrachloroethane	19-Mar-07		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	22-Mar-07		0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U
	26-Apr-07		0.137	U	0.137	U	0.137	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.137	U
	21-May-07		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	29-Jun-07		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	30-Jul-07		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	22-Aug-07		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	20-Sep-07	0.062 / 0.14	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	9-Oct-07		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	7-Nov-07		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	6-Dec-07		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	4-Jan-08		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	8-Feb-08		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	27-Mar-08		0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U
	25-Apr-08		0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U
	29-May-08		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	27-Jun-08		0.137	U	0.140	U	0.140	U	0.137	U	0.140	U	0.140	U	0.170		0.140	U	0.140	U
	31-Jul-08		0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U
	28-Aug-08		0.137	U	0.137	U	0.137	U	0.153		0.137	U	0.137	U	0.137	U	0.137	U	0.137	U
	30-Sep-08		0.140	U	0.140	U	0.140	U	0.127		0.140	U	0.140	U	0.140	U	0.137	U	0.140	U
	27-Oct-08		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	25-Nov-08		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	18-Dec-08		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	21-Jan-09		0.140	U	0.140	U	5.000		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	25-Feb-09		0.140	U	0.140	U	0.320		NS		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	26-Mar-09		0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U
	29-Apr-09		0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U
1,1,2,2-Tetrachloroethane	19-Mar-07		0.140	U	0.140	U	0.140	U	53.000		3.000		0.140	U	0.140	U	0.140	U	0.140	U
	22-Mar-07		0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U
	26-Apr-07		0.137	U	0.137	U	0.137	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.137	U
	21-May-07		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	29-Jun-07		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	30-Jul-07		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	22-Aug-07		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	20-Sep-07	0.011 / 0.14	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	9-Oct-07		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	7-Nov-07		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	6-Dec-07		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	4-Jan-08		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	8-Feb-08		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	27-Mar-08		0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U
	25-Apr-08		0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U
	29-May-08		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.146	U	0.140	U
	27-Jun-08		0.140	U	0.140	U	0.140	U	0.137	U	0.140	U	0.140	U	0.992		0.140	U	0.140	U
	31-Jul-08		0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U
	28-Aug-08		0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U
	30-Sep-08		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	27-Oct-08		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	25-Nov-08		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	18-Dec-08		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	21-Jan-09		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	25-Feb-09		0.140	U	0.140	U	0.140	U	NS		0.140	U	0.140	U	0.140	U	0.140	U	0.140	U
	26-Mar-09		0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U
	29-Apr-09		0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U

Date Modified 5/23/2009

Summary of Indoor Ambient Outdoor Air Sampling Data - Adelaide Avenue School Project - Volatile Organic Compounds
March 2007 - April 2009

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/Interim RIDEM Response and Action Level	Kitchen Storage Rm	Qual	Cafeteria	Qual	Gymnasium	Qual	Elevator Hallway	Qual	Room 116	Qual	Room 110	Qual	Media Cntr (Rm 145)	Qual	Room 182	Qual	Ambient Outdoor	Qual
1,1,2 Trichloroethane	15-Mar-07		0.110	U	0.110	U	0.110	U	0.370		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	22-Mar-07		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
	26-Apr-07		0.109	U	0.109	U	0.109	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	21-May-07		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
	29-Jun-07		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
	30-Jul-07		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
	22-Aug-07	2.2	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	20-Sep-07		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	9-Oct-07		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
	7-Nov-07		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
	6-Dec-07		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
	8-Jan-08		0.110	U	0.110	U	0.110	U	0.165		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	8-Feb-08		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	27-Mar-08		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.112	U	0.109	U	0.109	U
	25-Apr-08		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
	29-May-08		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	27-Jun-08		0.109	U	0.109	U	0.109	U	0.110	U	0.110	U	0.110	U	0.302		0.109	U	0.109	U
	31-Jul-08		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
	28-Aug-08		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
	30-Sep-08		0.110	U	0.110	U	0.300		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	27-Oct-08		0.110	U	0.110	U	0.170	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	25-Nov-08		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	18-Dec-08		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	21-Jan-09		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	25-Feb-09		0.110	U	0.110	U	0.110	U	NS		0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	26-Mar-09		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
	29-Apr-09		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
1,1-Dichloroethane	15-Mar-07		0.060	U	0.060	U	0.060	U	0.060	U	0.240		0.060	U	0.060	U	0.060	U	0.060	U
	22-Mar-07		0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.243		0.061	U	0.061	U	0.061	U
	26-Apr-07		0.061	U	0.061	U	0.061	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U
	21-May-07		0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U
	29-Jun-07		0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U
	30-Jul-07		0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U
	22-Aug-07	7.7	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U
	20-Sep-07		0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U
	9-Oct-07		0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U
	7-Nov-07		0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U
	6-Dec-07		0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U
	8-Jan-08		0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U
	8-Feb-08		0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U
	27-Mar-08		0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U
	25-Apr-08		0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U
	29-May-08		0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U
	27-Jun-08		0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U
	31-Jul-08		0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U
	28-Aug-08		0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U
	30-Sep-08		2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U
	27-Oct-08		2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U
	25-Nov-08		2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U
	18-Dec-08		2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U
	21-Jan-09		2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U
	25-Feb-09		2.000	U	2.000	U	2.000	U	NS		2.000	U	2.000	U	2.000	U	2.000	U	2.000	U
	26-Mar-09		0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U
	29-Apr-09		0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U	0.061	U
1,1-Dichloroethene	15-Mar-07		0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U
	22-Mar-07		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
	26-Apr-07		0.079	U	0.079	U	0.079	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U
	21-May-07		0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U
	29-Jun-07		0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U
	30-Jul-07		0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U
	22-Aug-07	10	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U
	20-Sep-07		0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U
	9-Oct-07		0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U
	7-Nov-07		0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U
	6-Dec-07		0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U
	8-Jan-08		0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U
	8-Feb-08		0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U
	27-Mar-08		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
	25-Apr-08		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
	29-May-08		0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U
	27-Jun-08		0.079	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U	0.060	U
	31-Jul-08		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
	28-Aug-08		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
	30-Sep-08		2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U
	27-Oct-08		2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U
	25-Nov-08		2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U
	18-Dec-08		2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U
	21-Jan-09		2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U
	25-Feb-09		2.000	U	2.000	U	2.000	U	NS		2.000	U	2.000	U	2.000	U	2.000	U	2.000	U
	26-Mar-09		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
	29-Apr-09		0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U

Date Modified 8/23/2009

Summary of Indoor Ambient Outdoor Air Sampling Data - Adelaide Avenue School Project - Volatile Organic Compounds
March 2007 - April 2009

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/Interim RIDEM Approved Action Level	Kitchen Storage Rm	Qual	Cafeteria	Qual	Gymnasium	Qual	Elevator Hallway	Qual	Room 118	Qual	Room 110	Qual	Media Cntr (Rm 145)	Qual	Room 132	Qual	Ambient Outdoor	Qual
1,2,4 Trimethylbenzene	15-Mar-07		7 800		130 000		300 000		180 000		16 000		23 000		80 000		100 000		0 590	
	22-Mar-07		6 190		16 600		14 200		1 870		1 620		1 720		14 200		2 700		0 098	U
	28-Apr-07		8 540		18 600		3 090		11 800		15 300		9 720		22 200		7 180		0 084	U
	21-May-07		18 700		10 000		6 180		22 200		2 880		9 140		14 400		8 370		0 100	U
	29-Jun-07		16 000		9 800		7 100		9 920		1 800		8 530		1 500		3 800		0 180	
	30-Jul-07		6 400		4 700		6 000		5 920		3 700		0 940		1 800		2 000		0 133	
	22-Aug-07	9 3	3 800		1 720		3 200		3 040		0 320		0 100	U	0 130		0 160		0 100	U
	20-Sep-07		4 020		1 000		14 700		9 880		0 380		0 290		0 380		0 240		0 118	
	9-Oct-07		1 530		1 080		3 810		1 880		1 080		1 310		0 820		0 870		0 150	
	7-Nov-07		2 580		1 280		1 270		2 040		0 130		0 140		0 170		0 160		0 100	U
	6-Dec-07		0 570		0 870		1 510		1 660		0 160		0 160		0 380		0 380		0 113	
	8-Jan-08		0 940		0 920		3 000		3 400		0 880		0 880		0 880		1 000		1 830	1 260
	8-Feb-08		0 800		0 970		2 920		1 880		0 210		0 210		0 210		0 310		0 210	
	27-Mar-08		1 330		1 590		3 390		3 140		0 829		1 380		0 811		0 750		0 098	U
	25-Apr-08		0 994		1 780		11 700		1 840		0 809		0 838		0 880		0 510		0 100	U
	29-May-08		0 300		0 470		8 320		6 880		0 270		0 980		0 722		0 208		0 178	
	27-Jun-08		1 580		0 443		2 120		3 640		0 834		0 246		0 257		0 142		0 157	
	31-Jul-08		1 650		1 380		1 380		2 040		0 858		1 940		0 457		0 464		0 334	
	28-Aug-08		0 438		1 430		3 680		5 340		0 842		0 461		0 455		0 484		0 334	
	30-Sep-08		2 500	U	2 600	U	2 500	U	2 800	U	6 800		2 500	U	2 500	U	2 500	U	2 800	2 500 U
	27-Oct-08		2 500	U	2 600	U	2 600	U	3 500		2 500	U	2 500	U	2 500	U	2 500	U	2 800	2 500 U
	26-Nov-08		2 500	U	2 600	U	2 600	U	2 600	U	3 500	U	3 500	U	2 500	U	2 500	U	2 800	2 500 U
	18-Dec-08		2 500	U	2 600	U	2 600	U	2 600	U	3 800	U	2 500	U	2 500	U	2 500	U	2 800	2 500 U
	21-Jan-09		2 500	U	2 600	U	2 600	U	2 600	U	3 500	U	3 500	U	2 500	U	2 500	U	2 800	2 500 U
	25-Feb-09		2 500	U	2 600	U	3 900		NS		2 600	U	2 600	U	2 600	U	2 500	U	2 800	2 500 U
	26-Mar-09		0 942		0 839		1 800		1 300		0 826		0 737		0 843		0 744		0 728	
	29-Apr-09		1 520		0 368		1 340		1 200		0 182		0 188	U	0 188		0 188		0 142	
1,2-Dibromoethane (EDB)	15-Mar-07		0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U
	22-Mar-07		0 154	U	0 154	U	0 154	U	0 154	U	0 154	U	0 154	U	0 154	U	0 154	U	0 154	U
	28-Apr-07		0 154	U	0 154	U	0 154	U	0 154	U	0 154	U	0 154	U	0 154	U	0 154	U	0 154	U
	21-May-07		0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U
	29-Jun-07		0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U
	30-Jul-07		0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U
	22-Aug-07	0 0028 / 0 15	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U
	20-Sep-07		0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U
	9-Oct-07		0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U
	7-Nov-07		0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U
	6-Dec-07		0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U
	8-Jan-08		0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U
	8-Feb-08		0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U
	27-Mar-08		0 154	U	0 154	U	0 154	U	0 154	U	0 154	U	0 154	U	0 154	U	0 154	U	0 154	U
	25-Apr-08		0 154	U	0 154	U	0 154	U	0 154	U	0 154	U	0 154	U	0 154	U	0 154	U	0 154	U
	29-May-08		0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U
	27-Jun-08		0 150	U	0 150	U	0 184	U	0 184	U	0 150	U	0 150	U	0 179		0 184	U	0 150	U
	31-Jul-08		0 154	U	0 154	U	0 184	U	0 184	U	0 184	U	0 184	U	0 184	U	0 184	U	0 184	U
	28-Aug-08		0 154	U	0 154	U	0 184	U	0 184	U	0 154	U	0 184	U	0 154	U	0 184	U	0 154	U
	27-Oct-08		0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U
	27-Oct-08		0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U
	26-Nov-08		0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U
	18-Dec-08		0 150	U	0 150	U	0 380		0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U
	21-Jan-09		0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U	0 150	U
	25-Feb-09		0 150	U	0 150	U	0 150	U	NS		0 150	U	0 150	U	0 150	U	0 150	U	0 150	U
	26-Mar-09		0 154	U	0 154	U	0 154	U	0 154	U	0 154	U	0 154	U	0 154	U	0 154	U	0 154	U
	29-Apr-09		0 154	U	0 154	U	0 154	U	0 154	U	0 154	U	0 154	U	0 154	U	0 154	U	0 154	U
1,2 Dichloroethane	15-Mar-07		0 120	U	0 120	U	0 120	U	0 120	U	0 720		0 120	U	0 120	U	0 120	U	0 120	U
	22-Mar-07		0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U
	28-Apr-07		0 120		0 120		0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U
	21-May-07		3 000	U	3 000	U	3 000	U	3 000	U	3 000	U	3 000	U	3 000	U	3 000	U	3 000	U
	29-Jun-07		0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U
	30-Jul-07		0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U
	22-Aug-07	F3	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U
	20-Sep-07		0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U
	9-Oct-07		0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U
	7-Nov-07		0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U
	6-Dec-07		0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U
	8-Jan-08		0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U
	8-Feb-08		0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U
	27-Mar-08		0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U
	25-Apr-08		0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U
	29-May-08		0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U
	27-Jun-08		0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U
	31-Jul-08		0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U
	28-Aug-08		0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U
	30-Sep-08		3 000	U	3 000	U	3 000	U	3 000	U	3 000	U	3 000	U	3 000	U	3 000	U	3 000	U
	27-Oct-08		3 000	U	3 000	U	3 000	U	3 000	U	3 000	U	3 000	U	3 000	U	3 000	U	3 000	U
	26-Nov-08		3 000	U	3 000	U	3 000	U	3 000	U	3 000	U	3 000	U	3 000	U	3 000	U	3 000	U
	18-Dec-08		3 000	U	3 000	U	3 000	U	3 000	U	3 000	U	3 000	U	3 000	U	3 000	U	3 000	U
	21-Jan-09		3 000	U	3 000	U	3 000	U	3 000	U	3 000	U	3 000	U	3 000	U	3 000	U	3 000	U
	25-Feb-09		3 000	U	3 000	U	3 000	U	NS		3 000	U	3 000	U	3 000	U	3 000	U	3 000	U
	26-Mar-09		0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U
	29-Apr-09		0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U	0 120	U

Date Modified 5/23/2009

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/Interim RIDEM Approved Action Level	Kitchen Storage Rm	Qual	Cafeteria	Qual	Gymnasium	Qual	Elevator Hallway	Qual	Room 118	Qual	Room 110	Qual	Media Cntr (Rm 145)	Qual	Room 152	Qual	Ambient Outdoor	Qual
1,2-Dichloroethane	15-Mar-07	0.07 / 0.04	0.080	U	0.080	U	0.080	U	0.160		0.080		0.080	U	0.080	U	0.080	U	0.080	U
	22-Mar-07		0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U
	26-Apr-07		0.100		0.081		0.081	U	0.100		0.100		0.100		0.120		0.110		0.081	U
	21-May-07		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	29-Jun-07		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	30-Jul-07		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	22-Aug-07		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	20-Sep-07		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	9-Oct-07		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	7-Nov-07		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	6-Dec-07		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	9-Jan-08		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	6-Feb-08		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	27-Mar-08		0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U
	25-Apr-08		0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U
	29-May-08		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	27-Jun-08		0.080	U	0.081	U	0.080	U	0.084		0.080	U	0.080	U	0.178		0.080	U	0.081	U
	31-Jul-08		0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U
	28-Aug-08		0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U
	30-Sep-08		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.081	U	0.080	U
	27-Oct-08		0.080	U	0.150		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	25-Nov-08		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	18-Dec-08		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	21-Jan-09		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	25-Feb-09		0.080	U	0.080	U	0.080	U	NS		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	26-Mar-09		0.102		0.084		0.087		0.081	U	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U
	29-Apr-09		0.081	U	0.081	U	0.081	U	0.081	U	0.084		0.081	U	0.081	U	0.081	U	0.081	U
1,2-Dichloropropane	15-Mar-07	0.13	0.090	U	0.090	U	0.090	U	0.160		0.090	U	0.090	U	0.090	U	0.090	U	0.090	U
	22-Mar-07		0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U
	26-Apr-07		0.092	U	0.092	U	0.092	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.092	U
	21-May-07		0.090	U	0.090	U	0.090	U	0.100		0.090	U	0.090	U	0.090	U	0.090	U	0.090	U
	29-Jun-07		0.120		0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U
	30-Jul-07		0.100		0.100		0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U
	22-Aug-07		0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U
	20-Sep-07		0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U
	9-Oct-07		0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U
	7-Nov-07		0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U
	6-Dec-07		0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U
	9-Jan-08		0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U
	6-Feb-08		0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U
	27-Mar-08		0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U
	25-Apr-08		0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U
	29-May-08		0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U
	27-Jun-08		0.092	U	0.092	U	0.090	U	0.090	U	0.090	U	0.090	U	0.092	U	0.092	U	0.092	U
	31-Jul-08		0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U
	28-Aug-08		0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U
	30-Sep-08		0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U
	27-Oct-08		0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U
	25-Nov-08		0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U
	18-Dec-08		0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U
	21-Jan-09		0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U	0.090	U
	25-Feb-09		0.090	U	0.090	U	0.090	U	NS		0.090	U	0.090	U	0.090	U	0.090	U	0.090	U
	26-Mar-09		0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U
	29-Apr-09		0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U
1,3,5-Trimethylbenzene	15-Mar-07	6.3	4.500		50.000		130.000		64.000		7.300		12.000		28.000		42.000		0.250	
	22-Mar-07		4.370		8.960		8.000		0.788		0.835		1.080		8.890		1.960		0.096	U
	26-Apr-07		3.430		4.990		1.520		9.410		8.280		0.340		14.000		4.880		0.094	U
	21-May-07		14.400		8.850		4.190		18.800		1.250		3.070		10.300		5.160		0.100	U
	29-Jun-07		8.400		6.800		3.600		8.200		0.770		0.340		1.000		2.300		0.100	U
	30-Jul-07		4.800		2.500		2.600		3.200		1.900		0.580		1.000		1.100		0.100	U
	22-Aug-07		2.140		0.440		1.450		1.880		0.170		0.100	U	0.100	U	0.100		0.100	U
	20-Sep-07		2.600		0.950		7.670		0.210		0.100		0.100		0.100		0.100		0.100	U
	9-Oct-07		0.830		0.800		2.120		0.870		0.850		0.710		0.410		0.500		0.100	U
	7-Nov-07		1.830		0.700		0.640		1.100		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U
	6-Dec-07		0.300		0.350		0.740		0.850		0.100	U	0.100	U	0.150		0.180		0.100	U
	9-Jan-08		0.300		0.280		1.380		1.700		0.280		0.190		0.290		0.350		0.380	
	6-Feb-08		0.460		0.450		1.300		0.880		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U
	27-Mar-08		0.535		0.852		1.620		1.830		0.292		0.428		0.258		0.334		0.098	U
	25-Apr-08		0.387		0.816		7.170		0.802		0.342		0.293		0.376		0.280		0.080	U
	29-May-08		0.170		0.220		4.710		4.050		0.140		0.840		0.470		0.100	U	0.100	U
	27-Jun-08		0.842		0.232		1.100		1.580		0.385		0.102		0.387		0.100	U	0.096	U
	31-Jul-08		1.040		0.782		0.871		1.380		0.570		1.180		0.086	U	0.084	U	0.088	U
	28-Aug-08		0.170		0.732		1.980		2.990		0.270		0.181		0.181		0.155		0.100	
	30-Sep-08		2.600	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.800	U	9.300		2.500	U
	27-Oct-08		2.800	U	2.800	U	2.500	U	2.500	U	2.500	U	2.800	U	2.800	U	3.500	U	2.500	U
	25-Nov-08		2.500	U	2.800	U	2.600	U	2.800	U	2.500	U	2.800	U	2.600	U	2.800	U	2.500	U
	18-Dec-08		2.800	U	2.500	U	2.600	U	2.500	U	2.600	U	2.800	U	2.800	U	2.500	U	2.800	U
	21-Jan-09		2.500	U	2.500	U	2.800	U	2.800	U	2.500	U	2.500	U	2.800	U	2.500	U	3.500	U
	25-Feb-09		2.500	U	2.600	U	2.800	U	NS		2.500	U	2.500	U	2.800	U	2.500	U	2.500	U
	26-Mar-09		0.330		0.315		0.678		0.540		0.184		0.185		0.246		0.184		0.236	
	29-Apr-09		0.088	U	0.192				0.829		0.088		0.088	U	0.084	U	0.084	U	0.088	U

Summary of Indoor Ambient Outdoor Air Sampling Data - Adelaide Avenue School Project - Volatile Organic Compounds
March 2007 - April 2009

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/Interim RDEM Approved Action Level	Kitchen Storage Rm.	Qual	Cafeteria	Qual	Gymnasium	Qual	Elevator Hallway	Qual	Room 118	Qual	Room 110	Qual	Media Cntr (Rm 145)	Qual	Room 152	Qual	Ambient Outdoor	Qual
1,3-Dichlorobenzene	15-Mar-07		0.120	U	0.120	U	0.120	U	0.120	U	0.120		0.120		0.120	U	0.120	U	0.120	U
	22-Mar-07		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	26-Apr-07		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	21-May-07		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	28-Jun-07		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	30-Jul-07		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	22-Aug-07	73	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	20-Sep-07		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	9-Oct-07		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	7-Nov-07		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	6-Dec-07		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	6-Jan-08		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	8-Feb-08		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	27-Mar-08		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	25-Apr-08		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	29-May-08		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	27-Jun-08		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	31-Jul-08		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	28-Aug-08		0.120	U	0.120	U	0.120	U	0.102	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	30-Sep-08		3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U
	27-Oct-08		3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U
	25-Nov-08		3.000	U	3.000	U	3.000	U	2.500	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U
	18-Dec-08		3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U
	21-Jan-09		3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U
	25-Feb-09		3.000	U	3.000	U	3.000	U	NS		3.000	U	3.000	U	3.000	U	3.000	U	3.000	U
	26-Mar-09		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	29-Apr-09		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
1,4-Dichlorobenzene	15-Mar-07		0.120	U	0.120	U	0.120	U	0.240		0.300		0.180		0.120		0.240		0.120	U
	22-Mar-07		0.190		0.180		0.120	U	0.180		0.120	U	0.120	U	0.120	U	0.120		0.180	
	26-Apr-07		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	21-May-07		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.195	
	28-Jun-07		0.240		0.310		0.290		0.290		0.280		0.200		0.250		0.340			
	30-Jul-07		2.700		0.450		0.560		0.870		1.100		0.870		1.900		1.200			
	22-Aug-07	24	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	20-Sep-07		0.120	U	0.140		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	9-Oct-07		0.530		0.480		0.490		0.540		0.220		0.800		0.720		0.460		0.150	
	7-Nov-07		0.250		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.170	U	0.120	U
	6-Dec-07		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	6-Jan-08		0.240		0.430		0.240		0.350		0.270		0.240		0.360		0.250		0.240	
	8-Feb-08		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	27-Mar-08		0.292		0.272		0.208		0.696		0.726		0.793		0.328		0.237		0.170	
	25-Apr-08		0.415		0.287		0.178		0.247		0.281		0.245		0.206		0.230		0.272	
	29-May-08		0.330		0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
	27-Jun-08		0.506		0.176		0.281		0.315		0.130		0.273		1.340		0.582		0.132	
	31-Jul-08		0.309		0.624		0.284		0.323		0.456		0.668		0.273		0.370		0.250	
	28-Aug-08		0.196		0.252		0.215		0.262		0.206		0.211		0.202		0.222		0.213	
	30-Sep-08		3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U
	27-Oct-08		3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U
	25-Nov-08		3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U
	18-Dec-08		3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U
	21-Jan-09		3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U	3.000	U
	25-Feb-09		3.000	U	3.000	U	3.000	U	NS		3.000	U	3.000	U	3.000	U	3.000	U	3.000	U
	26-Mar-09		0.128	U	0.120	U	0.120	U	0.120	U	0.193	U	0.148		0.204		0.158		0.120	U
	29-Apr-09		0.246		0.144		0.180		1.740		0.210		0.186				0.166		386	
Benzene	15-Mar-07		1.100		0.830		0.800		0.800		0.730		1.200		0.880		0.890		0.810	
	22-Mar-07		0.478		0.574		0.670		0.734		0.447		0.843		0.884		0.638		0.574	
	26-Apr-07		0.666		0.517		0.370		0.500		0.520		0.440		0.720		0.840		0.388	
	21-May-07		0.430		0.360		0.350		0.388		0.300		0.470		0.430		0.464		0.250	
	28-Jun-07		0.350		0.330		0.320		0.370		0.290		0.320		0.310		0.380		0.240	
	30-Jul-07		0.740		0.710		0.670		0.720		0.720		0.510		0.530		0.842		0.280	
	22-Aug-07	3.3	0.270		0.250		0.180		0.260		0.180		0.090		0.270		0.260		0.180	
	20-Sep-07		0.560		0.856		0.560		0.720		0.540		0.670		0.540		0.540		0.430	
	9-Oct-07		0.560		0.580		0.670		0.620		0.620		0.670		0.620		0.670		0.650	
	7-Nov-07		0.900		0.810		0.800		0.640		0.610		0.660		0.660		0.800		0.400	
	6-Dec-07		0.740		0.620		0.680		0.710		0.680		0.650		0.720		0.680		0.640	U
	6-Jan-08		2.010		1.810		1.580		1.800		2.070		1.960		2.350		1.800		3.180	
	8-Feb-08		0.810		0.640		0.730		0.780		0.810		0.800		0.760		0.780		0.670	
	27-Mar-08		1.420		1.350		1.900		1.429		0.316		2.130		1.730		1.680		0.372	
	25-Apr-08		1.360		1.300		0.636		1.405		1.180		1.270		1.130		1.120		0.413	
	29-May-08		0.370		0.430		0.300		0.400		0.309		0.450		0.410		0.310		0.230	
	27-Jun-08		0.831		0.803		0.866		0.844		0.657		0.804		0.849		0.583		0.726	
	31-Jul-08		0.564		0.477		0.418		0.491		0.528		0.465		0.378		0.396		0.405	
	28-Aug-08		1.190		1.110		1.010		0.993		0.835		1.080		1.080		1.070		1.280	
	30-Sep-08		1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.600	0.294	1.600	U	1.600	U
	27-Oct-08		2.100		1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	3.400	
	25-Nov-08		1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U
	18-Dec-08		1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U
	21-Jan-09		1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U	1.600	U
	25-Feb-09		1.600	U	1.600	U	1.600	U	NS		1.600	U	1.600	U	1.600	U	1.600	U	1.600	U
	26-Mar-09		2.330		1.840		1.740		1.660		1.840		2.210		0.316		1.880		2.380	
	29-Apr-09		0.864		0.394		0.332		0.332		0.363		0.356				0.335		0.261	

Summary of Indoor Ambient Outdoor Air Sampling Data - Adelaide Avenue School Project - Volatile Organic Compounds
March 2007 - April 2009

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/Amounts RIDEM-Approved Action Level	Kitchen Storage Rm	Qual	Cafeteria	Qual	Gymnasium	Qual	Elevator Hallway	Qual	Room 118	Qual	Room 110	Qual	Media Cntr (Rm 145)	Qual	Room 193	Qual	Ambient Outdoor	Qual
Bromodichloromethane	15-Mar-07		0.130	U	0.130	U	0.130	U	2.300		0.270		0.130	U	0.130	U	0.130	U	0.130	U
	22-Mar-07		0.134	U	0.134	U	0.184	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U
	26-Apr-07		0.134	U	0.134	U	0.134	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U
	21-May-07		0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U
	29-Jun-07		0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U
	30-Jul-07		0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U
	22-Aug-07	0.034 / 0.13	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U
	28-Sep-07		0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U
	9-Oct-07		0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U
	7-Nov-07		0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U
	6-Dec-07		0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U
	8-Jan-08		0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U
	8-Feb-08		0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U
	27-Mar-08		0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U
	25-Apr-08		0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U
	28-May-08		0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U
	27-Jun-08		0.134	U	0.134	U	0.130	U	0.130	U	0.130	U	0.134	U	0.231		0.134	U	0.134	U
	31-Jul-08		0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U
	28-Aug-08		0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U
	30-Sep-08		0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U
	27-Oct-08		0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U
	25-Nov-08		0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U
	18-Dec-08		0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U
	21-Jan-09		0.130	U	0.128	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U	0.130	U
	25-Feb-09		0.130	U	0.130	U	0.130	U	NS		0.130	U	0.130	U	0.130	U	0.130	U	0.130	U
	26-Mar-09		0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U
	28-Apr-09		0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U
Benzene	15-Mar-07		0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U
	22-Mar-07		0.206	U	0.206	U	0.208	U	0.206	U	0.206	U	0.208	U	0.208	U	0.206	U	0.206	U
	26-Apr-07		0.208	U	0.208	U	0.208	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.206	U
	21-May-07		0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U
	29-Jun-07		0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U
	30-Jul-07		0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U
	22-Aug-07	0.55	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U
	28-Sep-07		0.270	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U
	9-Oct-07		0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U
	7-Nov-07		0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U
	6-Dec-07		0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U
	8-Jan-08		0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U
	8-Feb-08		0.206	U	0.206	U	0.208	U	0.208	U	0.206	U	0.208	U	0.204	U	0.208	U	0.208	U
	27-Mar-08		0.206	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.208	U	0.210	U	0.208	U
	25-Apr-08		0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U	0.210	U
	28-May-08		0.206	U	0.210	U	0.206	U	0.208	U	0.210	U	1.300		0.210	U	0.210	U	0.206	U
	27-Jun-08		0.206	U	0.208	U	0.206	U	0.208	U	0.206	U	0.206	U	0.208	U	0.206	U	0.208	U
	31-Jul-08		0.206	U	0.208	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U
	28-Aug-08		0.206	U	0.208	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U
	30-Sep-08		0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U
	27-Oct-08		0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U
	25-Nov-08		0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U
	18-Dec-08		0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U
	21-Jan-09		0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U
	25-Feb-09		0.410	U	0.410	U	0.410	U	NS		0.208	U	0.208	U	0.208	U	0.206	U	0.206	U
	26-Mar-09		0.208	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U
	28-Apr-09		0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U	0.206	U
Carbon tetrachloride	15-Mar-07		0.630		0.630		0.570		0.570		0.570		0.630		0.570		0.630		0.570	
	22-Mar-07		0.628		0.629		0.828		0.784		0.629		0.784		0.629		0.691		0.629	
	26-Apr-07		0.725		0.684		0.684		0.760		0.730		0.770		0.730		0.720		0.705	
	21-May-07		0.420		0.415		0.530		0.380		0.360		0.380		0.360		0.380		0.480	
	29-Jun-07		0.510		0.510		0.450		0.500		0.500		0.500		0.500		0.500		0.500	
	30-Jul-07		0.520		0.550		0.520		0.530		0.520		0.520		0.560		0.530		0.530	
	22-Aug-07	0.50	0.730		0.740		0.770		0.745		0.748		0.650		0.710		0.760		0.670	
	28-Sep-07		0.440		0.480		0.480		0.540		0.530		0.430		0.430		0.530		0.430	
	9-Oct-07		0.570		0.530		0.520		0.530		0.530		0.540		0.540		0.540		0.550	
	7-Nov-07		0.550		0.570		0.530		0.520		0.540		0.540		0.560		0.560		0.540	
	6-Dec-07		0.610		0.580		0.609		0.470		0.900		0.470		0.490		0.500		0.500	
	8-Jan-08		0.570		0.560		0.560		0.560		0.940		0.560		0.570		0.560		0.570	
	8-Feb-08		0.560		0.480		0.440		0.450		0.480		0.470		0.470		0.470		0.470	
	27-Mar-08		0.540		0.641		0.547		0.537		0.540		0.552		0.577		0.568		0.585	
	25-Apr-08		0.436		0.438		0.465		0.441		0.448		0.479		0.465		0.450		0.416	
	28-May-08		0.479		0.470		0.450		0.470		0.480		0.490		0.520		0.480		0.480	
	27-Jun-08		0.544		0.535		0.526		0.534		0.526		0.538		0.555		0.547		0.537	
	31-Jul-08		0.526		0.532		0.528		0.534		0.554		0.542		0.554		0.551		0.557	
	28-Aug-08		0.562		0.548		0.551		0.545		0.546		0.559		0.556		0.572		0.551	
	30-Sep-08		0.488		0.446		0.404		0.487		0.461		0.250	U	0.481		0.531		0.547	
	27-Oct-08		0.370		0.510		0.260		0.450		0.260		0.510		0.270		0.480		0.460	
	25-Nov-08		0.400		0.400		0.400		0.448		0.470		0.260		0.370		0.470		0.470	
	18-Dec-08		0.350		0.330		0.440		0.410		0.470		0.260		0.340		0.310		0.510	
	21-Jan-09		0.480		0.460		0.570		0.460		0.500		0.490		0.570		0.540		0.520	
	25-Feb-09		0.260		0.180		0.260		NS		0.400		0.400		0.410		0.460		0.440	
	26-Mar-09		0.548		0.562		0.542		0.561		0.564		0.561		0.568		0.542		0.554	
	28-Apr-09		0.534		0.522		0.597		0.534		0.528		0.532		0.566		0.599		0.516	

Date Modified 5/23/2009

Summary of Indoor Ambient Outdoor Air Sampling Data - Adelaide Avenue School Project - Volatile Organic Compounds
March 2007 - April 2009

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/Interim RIDEM Approved Action Level	Kitchen Storage Rm	Qual	Cafeteria	Qual	Gymnasium	Qual	Elevator Hallway	Qual	Room 116	Qual	Room 110	Qual	Media Cab (Rm 145)	Qual	Room 152	Qual	Ambient Outdoor	Qual
Chloroform	15-Mar-07		0.280	U	0.280	U	0.280	U	3.800		0.280		0.280	U	0.280	U	3.800		0.280	U
	22-Mar-07		0.282	U	0.348		1.060		0.282	U	0.282	U	0.282	U	0.282	U	0.282	U	0.282	U
	26-Apr-07		0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U
	21-May-07		0.080	U	0.180		0.080	U	0.240		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	29-Jun-07		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	30-Jul-07		0.120		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	22-Aug-07	37	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	20-Sep-07		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	8-Oct-07		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	7-Nov-07		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	6-Dec-07		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	8-Jan-08		0.080	U	0.095	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	8-Feb-08		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	27-Mar-08		0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U
	25-Apr-08		0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U
	29-May-08		0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U	0.080	U
	27-Jun-08		0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.314		0.092	U	0.092	U
	31-Jul-08		0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U
	28-Aug-08		0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U
	30-Sep-08		2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U
	27-Oct-08		2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U
	25-Nov-08		2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U
	18-Dec-08		2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U
	21-Jan-09		2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U	2.300	U
	25-Feb-09		2.300	U	2.300	U	2.300	U	NS		2.300	U	2.300	U	2.300	U	2.300	U	2.300	U
	26-Mar-09		0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U
	28-Apr-09		0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U
Chloromethane	15-Mar-07		0.050		0.110		0.050		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.320	
	22-Mar-07		0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U
	26-Apr-07		0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U
	21-May-07		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	29-Jun-07		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	30-Jul-07		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	22-Aug-07	500	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	20-Sep-07		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	8-Oct-07		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	7-Nov-07		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	6-Dec-07		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	8-Jan-08		0.070		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	8-Feb-08		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	27-Mar-08		0.053		0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U
	25-Apr-08		0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U
	29-May-08		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	27-Jun-08		0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U
	31-Jul-08		0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U
	28-Aug-08		1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U
	30-Sep-08		1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U
	27-Oct-08		1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U
	25-Nov-08		1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U
	18-Dec-08		1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U
	21-Jan-09		1.300	U	1.3	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U	1.300	U
	25-Feb-09		1.300	U	1.300	U	1.300	U	NS		1.300	U	1.300	U	1.300	U	1.300	U	1.300	U
	26-Mar-09		0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U
	28-Apr-09		0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U	0.053	U
Chloroform	15-Mar-07		0.200		0.200		0.150		0.100		0.100		0.150		0.290		0.150		0.200	
	22-Mar-07		0.185		0.244		0.293		0.260		0.244		0.585		0.488		0.185		0.094	U
	26-Apr-07		0.144		0.181		0.138		0.150		0.181		0.140		0.160		0.185		0.113	
	21-May-07		0.100	U	0.100	U	0.120		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U
	29-Jun-07		0.180		0.100	U	0.130		0.170		0.120		0.140		0.150		0.120		0.100	
	30-Jul-07		0.200		0.180		0.190		0.160		0.200		0.140		0.170		0.160		0.160	
	22-Aug-07	0.50	0.120		0.110		0.110		0.110		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U
	20-Sep-07		0.130		0.140		0.190		0.160		0.130		0.110		0.110		0.110		0.100	
	8-Oct-07		0.160		0.150		0.170		0.160		0.150		0.100		0.140		0.150		0.130	
	7-Nov-07		0.500		0.180		0.180		0.180		0.180		0.170		0.200		0.180		0.100	
	6-Dec-07		0.100	U	0.429		0.100	U	0.100		0.100	U	0.105	U	0.100	U	0.100	U	0.100	U
	8-Jan-08		0.170		0.130		0.130		0.130		0.105	U	0.160		0.120		0.120		0.100	U
	8-Feb-08		0.110		0.110		0.105	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.105	U
	27-Mar-08		0.840		0.680		0.583		0.523		0.410		0.337		0.605		0.503		0.088	U
	25-Apr-08		0.184		0.210		0.183		0.122		0.125		0.134		0.110		0.130		0.086	U
	29-May-08		0.110		0.110		0.100	U	0.110		0.100	U	0.105	U	0.105	U	0.100	U	0.100	U
	27-Jun-08		0.238		0.267		0.201		0.207		0.188		0.208		0.245		0.223		0.107	
	31-Jul-08		0.230		0.151		0.138		0.184		0.254		0.227		0.588	U	0.108		0.088	U
	28-Aug-08		0.342		0.373		0.298		0.312		0.268		0.602		0.268		0.371		0.295	
	30-Sep-08		0.480	U	0.480	U	0.480	U	0.480	U	0.480	U	0.480	U	0.480	U	0.480	U	0.480	U
	27-Oct-08		0.480	U	0.480	U	0.480	U	0.480	U	0.480	U	0.480	U	0.480	U	0.480	U	0.480	U
	25-Nov-08		0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U
	18-Dec-08		0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U
	21-Jan-09		0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U	0.240	U
	25-Feb-09		0.240	U	0.240	U	0.240	U	NS		0.240	U	0.240	U	0.240	U	0.240	U	0.240	U
	26-Mar-09		0.238		0.142		0.110		0.116		0.133		0.098	U	0.109	U	0.108		0.108	U
	28-Apr-09		0.180		0.122		0.088	U	0.100		0.102		0.086	U	0.086	U	0.086	U	0.086	U

Summary of Indoor Ambient Outdoor Air Sampling Data - Adelaide Avenue School Project - Volatile Organic Compounds
March 2007 - April 2009

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/Interim RfD/EM-Approved Action Level	Kitchen Storage Rm		Cafeteria		Gymnasium		Elevator Hallway		Room 116		Room 119		Media Cntr (Rm 145)		Room 152		Ambient Outdoor	
				Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual
Chloromethane	15-Mar-07		1 200		1 700		1 400		1 000	U	1 500	U	1 300		1 100		1 100		1 400	
	22-Mar-07		1 030	U	1 030	U	1 030	U	1 030	U	1 030	U	1 030	U	1 030	U	1 030	U	1 030	U
	28-Apr-07		1 030	U	1 030	U	1 030	U	1 030	U	1 030	U	1 030	U	1 030	U	1 030	U	1 030	U
	31-May-07		6 270		3 970		1 030	U	6 280		1 940		6 270		1 030	U	5 810		1 980	
	29-Jun-07		0 680	U	2 300		0 680	U	0 680	U	0 680	U	1 300		0 680	U	1 100		0 680	U
	30-Jul-07		1 000	U	1 100		1 200		1 000		1 000	U	1 000	U	1 000	U	1 000	U	1 000	U
	22-Aug-07	14	4 200		2 980		2 480		2 910		2 760		2 440	U	2 440	U	2 480		2 440	U
	20-Sep-07		5 760		2 580		4 880		2 440	U	2 440	U	2 440	U	2 440	U	2 440	U	2 440	U
	9-Oct-07		3 080		2 800		3 720		2 730		2 790		3 140		3 890		3 140		3 445	U
	7-Nov-07		4 910		4 400		3 340		6 380		3 440	U	2 440	U	2 470		2 440	U	2 440	
	5-Dec-07		2 470		2 780		2 440	U	3 460		3 440	U	2 440	U	3 820		2 660		2 440	U
	5-Jan-08		2 820		2 480		2 440	U	2 440	U	2 440	U	3 530		2 440	U	2 480		2 440	U
	6-Feb-08		2 440	U	2 440	U	2 440	U	2 440	U	2 440	U	2 480		2 440	U	2 440	U	2 440	U
	27-Mar-08		2 830		3 070		2 580		2 440	U	2 440	U	2 480		3 480		2 440	U	2 440	U
	28-Apr-08		2 820		2 440	U	2 440	U	2 440	U	2 440	U	3 000		2 440	U	3 160		2 440	U
	29-May-08		2 790		3 000		7 100		11 000		2 940		6 280		6 420		2 770		2 440	U
	27-Jun-08		2 650		2 440	U	2 440	U	2 830		3 260		2 820		2 440	U	2 800		2 440	U
	31-Jul-08		3 580		3 880		3 330		4 370		3 440		3 740		2 440	U	2 440	U	2 440	U
	26-Aug-08		2 440		3 140		3 310		6 880		3 150		2 440	U	2 540		2 540		2 440	U
	30-Sep-08		1 400		1 300		1 100		1 400		1 000	U	1 700		1 800	U	1 000	U	1 200	
	27-Oct-08		1 000	U	1 000	U	1 000	U	1 000	U	1 000	U	1 200		1 000	U	1 000	U	1 000	U
	26-Nov-08		1 000	U	1 000	U	1 000	U	1 000	U	1 000	U	1 000	U	1 000	U	1 000	U	1 000	U
	18-Dec-08		1 000	U	1 000	U	1 000	U	1 400		1 000	U	1 000	U	1 000	U	1 300		1 000	U
	21-Jan-09		1 000	U	1 000	U	1 000	U	1 500		1 000	U	1 000	U	1 400		1 100		1 200	
	25-Feb-09		1 000	U	1 000	U	1 000	U	NS		1 000	U	1 000	U	1 000	U	1 100		1 000	U
	26-Mar-09		2 490		2 680		3 550		2 920		2 910		2 440	U	2 440	U	2 440	U	2 440	U
	29-Apr-09		2 710		2 810		3 000		3 730		3 130		2 640		2 770		2 860		2 510	
cis-1,2-Dichloroethene*	15-Mar-07		0 040	U	0 040	U	0 040	U	1 600		0 040	U	0 040	U	0 040	U	0 040	U	0 040	U
	22-Mar-07		0 078	U	0 078	U	0 078	U	0 078	U	0 078	U	0 078	U	0 078	U	0 078	U	0 078	U
	28-Apr-07		0 078	U	0 078	U	0 078	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U
	31-May-07		0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U
	29-Jun-07		0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U
	30-Jul-07		0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U
	22-Aug-07	18	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U
	20-Sep-07		0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U
	9-Oct-07		0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U
	7-Nov-07		0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U
	5-Dec-07		0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U
	5-Jan-08		0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U
	6-Feb-08		0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U
	27-Mar-08		0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U
	28-Apr-08		0 040	U	0 040	U	0 040	U	0 100		0 040	U	0 040	U	0 040	U	0 040	U	0 040	U
	29-May-08		0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U
	27-Jun-08		0 040	U	0 079	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 040	U	0 079	U
	31-Jul-08		0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U
	26-Aug-08		0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 082	U	0 079	U	0 080	
	30-Sep-08		5 900	U	5 900	U	5 900	U	5 900	U	5 900	U	5 900	U	5 900	U	5 900	U	5 900	U
	27-Oct-08		2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U
	26-Nov-08		2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U
	18-Dec-08		2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U
	21-Jan-09		2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U
	25-Feb-09		2 000	U	2 000	U	2 000	U	NS		2 000	U	2 000	U	2 000	U	2 000	U	2 000	U
	26-Mar-09		0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U
	29-Apr-09		0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U
cis-1,3-Dichloropropene	15-Mar-07		0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U
	22-Mar-07		0 091	U	0 091	U	0 091	U	0 091	U	0 091	U	0 091	U	0 091	U	0 091	U	0 091	U
	28-Apr-07		0 091	U	0 091	U	0 091	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 091	U
	31-May-07		0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U
	29-Jun-07		0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U
	30-Jul-07		0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U
	22-Aug-07	None	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U
	20-Sep-07		0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U
	9-Oct-07		0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U
	7-Nov-07		0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U
	5-Dec-07		0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U
	5-Jan-08		0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U
	6-Feb-08		0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U
	27-Mar-08		0 091	U	0 091	U	0 091	U	0 091	U	0 091	U	0 091	U	0 091	U	0 091	U	0 091	U
	28-Apr-08		0 091	U	0 091	U	0 091	U	0 091	U	0 091	U	0 091	U	0 091	U	0 091	U	0 091	U
	29-May-08		0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U
	27-Jun-08		0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U
	31-Jul-08		0 091	U	0 091	U	0 091	U	0 091	U	0 091	U	0 091	U	0 091	U	0 091	U	0 091	U
	26-Aug-08		0 091	U	0 091	U	0 091	U	0 091	U	0 091	U	0 091	U	0 091	U	0 091	U	0 091	U
	30-Sep-08		0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U
	27-Oct-08		0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U
	26-Nov-08		0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U
	18-Dec-08		0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U
	21-Jan-09		0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U
	25-Feb-09		0 180	U	0 180	U	0 180	U	NS		0 180	U	0 180	U	0 180	U	0 180	U	0 180	U
	26-Mar-09		0 091	U	0 091	U	0 091	U	0 091	U	0 091	U	0 091	U	0 091	U	0 091	U	0 091	U
	29-Apr-09		0 091	U	0 091	U	0 091	U	0 091	U	0 091	U	0 091	U	0 091	U	0 091	U	0 091	U

Summary of Indoor Ambient Outdoor Air Sampling Data - Adelaide Avenue School Project - Volatile Organic Compounds
March 2007 - April 2009

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/Interim RIDEM Approved Action Level	Kitchen Storage Rm	Qual	Cafeteria	Qual	Gymnasium	Qual	Elevator Hallway	Qual	Room 118	Qual	Room 110	Qual	Media Ctr (Rm 145)	Qual	Room 152	Qual	Ambient Outdoor	Qual
Dibromochloromethane	15-Mar-07	None	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U
	22-Mar-07		0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U
	26-Apr-07		0.096	U	0.096	U	0.096	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.096	U
	21-May-07		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U
	29-Jun-07		0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U
	30-Jul-07		0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U	0.170	U
	22-Aug-07		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U
	20-Sep-07		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U
	9-Oct-07		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U
	7-Nov-07		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U
	6-Dec-07		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U
	8-Jan-08		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U
	8-Feb-08		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U
	27-Mar-08		0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U
	25-Apr-08		0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U
	29-May-08		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U
	27-Jun-08		0.100	U	0.100	U	0.100	U	0.100	U	0.096	U	0.100	U	0.308		0.100	U	0.096	U
	31-Jul-08		0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U
	28-Aug-08		0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U
	30-Sep-08		4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U
	27-Oct-08		4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U
	25-Nov-08		4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U
	18-Dec-08		4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U
	21-Jan-09		4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U	4.200	U
	25-Feb-09		4.200	U	4.200	U	4.200	U	NS		4.200		4.200	U	4.200	U	4.200	U	4.200	U
	26-Mar-09		0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U
	29-Apr-09		0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U	0.096	U
Dichlorodifluoromethane	15-Mar-07	81	2.300		2.400		2.500		2.400		2.400		2.400		2.400		2.800		2.000	
	22-Mar-07		2.820		2.720		2.820		3.080		2.520		2.870		2.620		2.870		2.420	
	26-Apr-07		3.020		3.040		3.030		3.170		3.020		3.340		2.860		3.080		3.080	
	21-May-07		1.640		1.780		1.880		1.460		1.280		1.310		1.410		1.330		1.830	
	29-Jun-07		2.400		2.400		2.000		2.300		2.400		2.100		2.200		2.100		2.200	
	30-Jul-07		3.200		2.400		2.200		2.200		2.300		2.400		2.400		2.300		2.400	
	22-Aug-07		2.370		2.370		2.350		2.330		2.270		2.330		2.410		2.330		2.150	
	20-Sep-07		2.100		2.280		2.080		2.380		2.210		2.000		2.010		2.210		1.800	
	9-Oct-07		2.570		2.660		2.860		3.380		2.850		2.720		2.840		2.880		2.740	
	7-Nov-07		3.080		2.710		2.480		2.340		2.420		2.430		2.480		2.450		2.400	
	6-Dec-07		2.700		2.660		2.460		2.480		2.500		2.480		2.410		2.490		2.550	
	8-Jan-08		3.010		2.780		2.800		3.620		2.780		2.800		2.710		2.810		2.610	
	8-Feb-08		1.880		1.840		1.860		1.880		1.830		1.840		1.980		1.880		2.020	
	27-Mar-08		2.420		2.380		2.280		2.110		2.600		2.560		2.700		2.070		2.210	
	25-Apr-08		2.040		2.100		2.010		2.170		2.030		1.990		2.080		2.030		1.860	
	29-May-08		1.700		1.830		1.840		1.740		1.830		1.810		1.760		1.800		1.580	
	27-Jun-08		2.280		2.280		2.370		2.330		2.240		2.220		2.250		2.250		2.320	
	31-Jul-08		2.030		2.020		1.970		1.870		1.910		1.920		1.970		1.900		1.850	
	28-Aug-08		3.800		2.870		2.920		2.870		2.020		2.400		2.800		2.880		2.770	
	30-Sep-08		2.500		2.700		2.400	U	2.500	U	2.500	U	2.900	U	2.800		2.500	U	2.500	U
	27-Oct-08		2.500	U	2.500	U	2.500	U	2.600		2.500		2.500	U	2.500	U	2.500	U	2.500	U
	25-Nov-08		2.500	U	2.500	U	2.500	U	3.500	U	3.400	U	2.600		2.500	U	2.500	U	2.500	U
	18-Dec-08		2.700		2.500	U	2.500	U	2.800	U	2.500	U	2.500	U	2.500	U	3.500	U	2.500	U
	21-Jan-09		2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	2.500	U	3.000		2.500	U	2.500	U
	25-Feb-09		2.500	U	2.500	U	2.600	U	NS		2.600		2.500	U	2.500	U	2.500	U	2.500	U
	26-Mar-09		2.220		2.180		2.120		2.080		2.220		2.180		2.040		2.120		2.130	
	29-Apr-09		2.500		2.280		2.480		2.320		2.260		2.320		2.380		2.380		2.180	
Ethylbenzene	15-Mar-07	83	180.000		200.000		240.000		160.000		78.000		200.000		180.000		190.000		1.400	
	22-Mar-07		9.380		11.600		93.500		0.911		1.170		1.430		10.600		2.990		0.851	
	26-Apr-07		6.210		14.800		3.270		4.070		3.850		0.400		3.240		3.470		0.150	
	21-May-07		2.180		2.420		4.340		3.030		0.750		2.010		1.200		0.950		0.140	
	29-Jun-07		3.700		3.200		4.500		1.600		0.830		0.210		0.240		0.480		0.180	
	30-Jul-07		2.000		1.700		3.300		1.200		0.970		0.350		0.410		0.820		0.240	
	22-Aug-07		0.470		0.410		1.180		0.400		0.130		0.080	U	0.140		0.110		0.080	U
	20-Sep-07		0.470		0.470		10.200		0.620		0.300		0.300		0.310		0.300		0.200	
	9-Oct-07		0.320		0.600		2.210		0.870		0.870		0.900		0.850		0.600		0.240	
	7-Nov-07		0.480		0.470		0.810		0.740		0.250		0.270		0.330		0.280		0.080	U
	6-Dec-07		0.170		0.180		0.630		0.370		0.150		0.230		0.180		0.150		0.120	
	8-Jan-08		0.820		0.880		1.300		1.000		0.970		0.770		1.080		0.870		1.300	
	8-Feb-08		0.240		0.230		0.620		0.450		0.250		0.170		0.180		0.780		0.220	
	27-Mar-08		0.841		0.660		1.020		0.849		0.894		1.000		0.820		0.819		0.096	
	25-Apr-08		0.770		0.837		3.200		0.711		0.678		0.712		0.705		0.850		0.087	U
	29-May-08		0.140		0.120		1.310		0.620		0.120		0.180		0.150		0.110		0.090	U
	27-Jun-08		0.555		0.412		1.080		0.867		0.476		0.400		0.807		0.380		0.389	
	31-Jul-08		0.583		0.449		1.140		0.424		0.428		0.481		0.282		0.216		0.295	
	28-Aug-08		0.868		1.190		3.010		2.820		0.761		0.854		0.870		0.783		0.944	
	30-Sep-08		2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	15.300		2.200	U
	27-Oct-08		2.200	U	2.200		2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U
	25-Nov-08		2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U
	18-Dec-08		2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U
	21-Jan-09		2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U	2.200	U
	25-Feb-09		2.200	U	2.200	U	3.600		NS		2.200		2.200	U	2.200	U	2.200	U	2.200	U
	26-Mar-09		0.932		0.803		1.120		1.040		0.311		0.848		0.738		0.589		0.727	
	29-Apr-09		0.196		0.234		0.633		0.536		0.105		0.190		0.139		0.152		0.176	

Date Modified 6/23/2009

Summary of Indoor Ambient Outdoor Air Sampling Data - Adelaide Avenue School Project - Volatile Organic Compounds
March 2007 - April 2009

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/Interim RIDEM Approved Action Level	Kitchen Storage Rm	Qual	Cafeteria	Qual	Gymnasium	Qual	Elevator Hallway	Qual	Room 116	Qual	Room 118	Qual	Media Cntr (Rm 145)	Qual	Room 152	Qual	Ambient Outdoor	Qual
Methylene chloride	15-Mar-07		18.000		16.000		14.000		2.800	U	5.200		5.000		2.800	U	5.600		2.800	U
	22-Mar-07		2.780	U	2.780	U	2.780	U	2.780	U	2.780	U	2.780	U	2.780	U	2.780	U	2.780	U
	26-Apr-07		2.780	U	2.780	U	2.780	U	2.780	U	2.780	U	2.780	U	2.780	U	2.780	U	5.100	
	31-May-07		2.780	U	2.780	U	2.780	U	2.780	U	2.780	U	2.780	U	2.780	U	2.780	U	2.780	U
	28-Jun-07		8.200		6.700		8.300		6.700		7.600		8.000		7.000		6.100		6.700	
	30-Jul-07		2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	4.600		2.800	U	2.800	U	6.800	
	22-Aug-07	30	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U
	20-Sep-07		1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U
	9-Oct-07		1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U
	7-Nov-07		1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U
	6-Dec-07		1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U
	9-Jan-08		1.740	U	1.740	U	2.940		1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U
	6-Feb-08		1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U
	27-Mar-08		1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	3.210		1.740	U
	25-Apr-08		1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U
	29-May-08		1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	6.940		1.740	U	1.740	U	18.000	
	27-Jun-08		1.740	U	1.740	U	1.740	U	3.210		1.740	U	1.740	U	1.740	U	1.740	U	1.740	U
	31-Jul-08		1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U
	28-Aug-08		1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	1.740	U
	30-Sep-08		1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U
	27-Oct-08		1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U
	25-Nov-08		1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U
	16-Dec-08		1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U
	21-Jan-09		1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U	1.700	U
	25-Feb-09		1.700	U	1.700	U	1.700	U	NS		1.700	U	1.700	U	4.060		1.700	U	11.600	
	26-Mar-09		7.540		1.870		4.010		2.100		1.650		3.230		1.740	U	1.740	U	1.740	U
	29-Apr-09		1.740	U	1.740	U	1.740	U	1.740	U	1.740	U	0.147	U	1.740	U	1.740	U	1.740	U
Methyl tert butyl ether (MTBE)	15-Mar-07		0.070	U	0.070	U	0.070	U	0.140		7.100		0.070	U	0.140		0.070	U	0.070	U
	22-Mar-07		0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U
	26-Apr-07		0.072	U	0.072	U	0.072	U	0.070	U	0.120		0.070	U	0.070	U	0.070	U	0.070	U
	31-May-07		0.090		0.110		0.170		0.120		0.070	U	0.080	U	0.070	U	0.070	U	0.070	U
	28-Jun-07		0.120		0.070	U	0.140		0.090		0.070	U	0.070	U	0.070	U	0.070	U	0.070	U
	30-Jul-07		0.120		0.110		0.150		0.110		0.090		0.100		0.090		0.070	U	0.220	
	22-Aug-07	180	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U
	20-Sep-07		0.070	U	0.070	U	0.210		0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U
	9-Oct-07		0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U
	7-Nov-07		0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U
	6-Dec-07		0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.110		0.160	
	9-Jan-08		0.130		0.120		0.120		0.110		0.130		0.130		0.180		0.070	U	0.070	U
	6-Feb-08		0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.090		0.072	U
	27-Mar-08		0.078		0.102		0.102		0.081		0.085		0.084		0.102		0.112		0.073	U
	25-Apr-08		0.116		0.107		0.127		0.126		0.121		0.131		0.131		0.070	U	0.070	U
	29-May-08		0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.070	U	0.072	U
	27-Jun-08		0.072	U	0.070	U	0.070	U	0.074	U	0.070	U	0.070	U	0.070	U	0.072	U	0.073	U
	31-Jul-08		0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.115		0.084	
	28-Aug-08		0.085		0.130		0.123		0.133		0.081		0.106		0.115		0.070	U	0.070	U
	30-Sep-08		1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U
	27-Oct-08		1.800	U	1.800	U	1.800	U	1.800	U	2.800		2.300		1.800	U	1.800	U	1.800	U
	25-Nov-08		2.100		1.800	U	1.800	U	1.800	U	2.800	U	1.800	U	1.800	U	1.800	U	1.800	U
	16-Dec-08		1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U
	21-Jan-09		1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U	1.800	U
	25-Feb-09		1.800	U	2.700		1.800	U	NS		1.800	U	2.700		1.800	U	1.800	U	1.800	U
	26-Mar-09		0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U
	29-Apr-09		0.072	U	0.072	U	2.350		0.072	U	0.072	U	0.072	U	0.072	U	0.072	U	0.072	U
p/m Xylene	15-Mar-07		340.000		680.000		170.000		240.000		94.000		820.000		410.000		450.000		4.000	
	22-Mar-07		14.300		37.600		333.000		3.680		5.840		7.980		36.000		14.000		1.650	
	26-Apr-07		20.300		28.700		9.960		12.000		14.000		1.230		10.600		11.700		0.386	
	31-May-07		6.740		7.560		12.300		8.820		1.850		4.278		2.520		2.150		0.270	
	28-Jun-07		13.000		11.000		18.000		5.400		1.600		0.616		0.580		1.400		0.180	
	30-Jul-07		5.600		4.600		9.600		3.300		2.400		0.660		0.600		1.100		0.410	
	22-Aug-07	220	1.570		1.200		5.320		3.140		0.380	U	0.380	U	0.380	U	0.380		0.170	U
	20-Sep-07		1.080		1.120		31.400		1.200		0.710		0.680		1.800		0.715		0.460	
	9-Oct-07		0.630		1.340		6.870		2.320		1.820		1.800		1.600		1.470		0.570	
	7-Nov-07		1.480		1.360		2.740		2.200		0.880		0.640		0.650		0.720		0.210	
	6-Dec-07		0.480		0.540		2.070		1.050		0.380		0.440		0.410		0.440		0.290	
	9-Jan-08		2.370		1.840		4.350		3.310		2.600		2.280		3.180		1.900		4.270	
	6-Feb-08		0.710		0.660		2.110		1.480		0.550		0.450		0.390		0.420		0.580	
	27-Mar-08		2.480		2.000		3.510		2.960		2.620		2.080		1.810		1.810		0.289	
	25-Apr-08		2.220		1.870		8.240		2.170		1.980		2.080		2.150		1.850		0.256	
	29-May-08		0.350		0.290		5.110		2.260		0.280		0.410		0.340		0.260		0.170	U
	27-Jun-08		1.060		1.080		3.280		3.000		1.280		0.994		2.180		0.926		0.795	
	31-Jul-08		1.360		1.185		3.330		1.140		1.140		1.370		0.656		0.488		0.854	
	28-Aug-08		2.130		3.210		6.890		6.700		1.810		2.180		2.280		1.990		2.240	
	30-Sep-08		4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	22.000	
	27-Oct-08		4.300	U	4.300	U	4.300	U	5.000		4.300	U	4.300	U	4.300	U	4.300	U	4.300	U
	25-Nov-08		4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U	4.300	U
	16-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	18.000		NS		4.300	U	4.300	U	4.300	U	4.300	U	4.300	U
	26-Mar-09		3.080		2.550		4.530		4.340		1.540		2.340		1.870		2.310			
	29-Apr-09		0.496		0.733		0.834		1.950		0.477		0.304		0.312		0.347		0.442	

Date Modified 6/23/2009

Summary of Indoor Ambient Outdoor Air Sampling Data - Adelaide Avenue School Project - Volatile Organic Compounds
March 2007 - April 2009

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/Interim RIDEM Approval Action Level	Kitchen Storage Rm		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Cen (Rm 145)		Room 152		Ambient Outdoor	
				Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual
m-Xylene	15-Mar-07		110 000		160 000		200 000		120 000		24 000		170 000		98 000		170 000		9 850	
	22-Mar-07		3 540		9 200		11 100		1 130		1 300		1 680		3 240		2 600		9 280	
	28-Apr-07		4 510		10 900		2 380		3 480		3 580		0 330		3 610		3 705		0 125	
	21-May-07		2 470		2 000		3 270		2 790		0 830		1 610		1 440		0 880		0 160	
	29-Jun-07		3 700		2 900		3 900		1 700		0 500		0 210		0 290		0 520		0 150	
	30-Jul-07		1 900		1 500		2 800		1 200		0 850		0 288		0 360		0 460		0 160	
	22-Aug-07	220	0 720		0 470		1 420		0 980		0 130		0 090	U	0 120		0 090		0 090	U
	20-Sep-07		0 490		0 430		0 900		0 450		0 280		0 270		0 260		0 280		0 150	
	9-Oct-07		0 330		0 480		1 940		0 790		0 580		0 580		0 650		0 510		0 220	
	7-Nov-07		0 550		0 470		0 840		0 720		0 280		0 215		0 280		0 270		0 090	U
	6-Dec-07		0 190		0 200		0 720		0 400		0 150		0 160		0 170		0 170		0 115	
	8-Jan-08		0 810		0 780		1 580		1 250		0 940		0 650		1 180		0 740		1 510	
	6-Feb-08		0 240		0 270		0 470		0 610		0 210		0 170		0 150		0 160		0 200	
	27-Mar-08		0 782		0 716		1 340		1 129		0 920		1 588		0 840		0 748		0 687	U
	25-Apr-08		0 824		0 724		3 480		0 821		0 750		0 770		0 748		0 688		0 687	U
	28-May-08		0 130		0 120		2 060		1 000		0 110		0 155		0 150		0 580	U	0 580	U
	27-Jun-08		0 463		0 383		1 030		1 030		0 485		0 358		0 533		1 390		0 332	
	31-Jul-08		0 476		0 375		0 822		0 371		0 420		0 240		0 583		0 267		0 246	
	28-Aug-08		0 778		1 070		2 210		2 160		0 883		0 787		0 812		0 732		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	U	2 200	U
	27-Oct-08		2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U
	25-Nov-08		2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U
	18-Dec-08		2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U
	21-Jan-09		2 200	U	2 200	U	3 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U
	25-Feb-09		2 200	U	2 200	U	3 800		NS		2 200	U	2 200	U	2 200	U	2 200	U	2 200	U
	26-Mar-09		1 080		0 798		1 080		1 020		0 851		0 758		0 824		0 851		0 826	
	29-Apr-09		0 149		0 188		0 065	U	0 442		0 185		0 100		0 104		0 108		0 156	
Styrene	15-Mar-07		6 800		3 300		8 600		2 400		1 400		81 000		3 400		3 700		0 360	
	22-Mar-07		1 400		1 830		2 040		3 886		0 884		10 500		2 550		0 553		0 065	U
	28-Apr-07		1 480		0 189		0 086		0 140		0 380		0 090	U	0 530		0 280		0 065	U
	21-May-07		12 400		0 430		0 215		0 730		0 170		0 710		0 840		0 480		0 065	U
	29-Jun-07		4 000		0 290		0 140		0 420		0 110		0 090	U	0 130		0 170		0 090	U
	30-Jul-07		8 800		0 280		0 150		0 320		0 270		0 100		0 110		0 140		0 780	
	22-Aug-07	52	3 029		0 100		0 090	U	0 230		0 090	U	0 090	U	0 090	U	0 090	U	0 090	U
	20-Sep-07		0 350		0 820		0 300		0 130		0 130		0 100		0 090	U	0 130		0 095	U
	9-Oct-07		1 000		0 090	U	0 170		0 102		0 220		0 200		0 180		0 200		0 090	U
	7-Nov-07		1 400		0 100		0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U
	6-Dec-07		0 240		0 100		0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U
	8-Jan-08		0 480		0 090		0 180		0 200		0 200		0 180		0 180		0 130		0 260	
	6-Feb-08		0 710		0 130		0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U	0 090	U
	27-Mar-08		1 200		0 118		0 120		0 153		0 140		0 175		0 114		0 129		0 085	U
	25-Apr-08		0 858		0 184		0 180		0 184		0 137		0 137		0 158		0 124		0 045	U
	28-May-08		0 550		0 095	U	0 130		0 260		0 090	U	0 110		0 090	U	0 090	U	0 090	U
	27-Jun-08		1 830		0 065	U	0 112		0 106		0 101		0 085	U	0 481		0 090	U	0 065	U
	31-Jul-08		1 890		0 254		0 153		0 266		0 285		0 288		0 108		0 090	U	0 085	U
	28-Aug-08		0 654		0 368		0 262		0 382		0 203		0 165		0 168		0 140		0 108	
	30-Sep-08		2 100	U	2 100	U	2 100	U	2 100	U	2 100	U	2 100	U	2 100	U	2 100	U	2 100	U
	27-Oct-08		2 100	U	2 100	U	2 100	U	2 100	U	2 100	U	2 100	U	2 100	U	2 100	U	2 100	U
	25-Nov-08		2 100	U	2 100	U	2 100	U	2 100	U	2 100	U	2 100	U	2 100	U	2 100	U	2 100	U
	18-Dec-08		2 100	U	2 100	U	2 100	U	2 100	U	2 100	U	2 100	U	2 100	U	2 100	U	2 100	U
	21-Jan-09		2 100	U	2 100	U	2 100	U	2 100	U	2 100	U	2 100	U	2 100	U	2 100	U	2 100	U
	25-Feb-09		2 100	U	2 100	U	2 100	U	NS		2 100	U	2 100	U	2 100	U	2 100	U	2 100	U
	26-Mar-09		0 814		0 113		0 110		0 110		0 125		0 111		0 128		0 138		0 122	
	29-Apr-09		0 615		0 085	U	0 134	U	0 085	U	0 126		0 085	U	0 085	U	0 085	U	0 085	U
Tetrachloroethene*	15-Mar-07		0 880		0 470		0 470		0 470		0 270		0 470		0 616		0 616		0 279	
	22-Mar-07		0 810		0 474		0 339		0 271		0 136		0 271		0 271		0 370		0 203	
	28-Apr-07		0 256		0 298		0 174		0 240		0 330		0 240		0 380		0 370		0 158	
	21-May-07		0 180		0 140		0 160		0 150		0 280		0 280		0 280		0 260		0 180	
	29-Jun-07		0 160		0 140	U	0 140		0 160		0 140		0 140	U	0 140		0 140		0 140	U
	30-Jul-07		0 150		0 780		0 730		0 700		0 700		0 480	U	0 580		0 880		0 360	
	22-Aug-07	5	0 140	U	0 140	U	0 140	U	0 220		0 140	U	0 140	U	0 180		0 180		0 140	U
	20-Sep-07		0 430		1 070		0 410		0 460		0 570		0 780		0 870		0 570		0 360	
	9-Oct-07		0 190		0 200		0 180		0 230		0 240		0 220		0 260		0 210		0 140	U
	7-Nov-07		0 140	U	0 140	U	0 140	U	0 140	U	0 140	U	0 140	U	0 140	U	0 140	U	0 140	U
	6-Dec-07		0 140	U	0 140	U	0 140	U	0 140	U	0 140	U	0 140	U	0 140	U	0 140	U	0 140	U
	8-Jan-08		2 850		2 220		1 450		1 840		1 870		1 730		6 90		1 970		2 380	
	6-Feb-08		0 140	U	0 140	U	0 140	U	0 160		0 140	U	0 140	U	0 140	U	0 140	U	0 350	
	27-Mar-08 [2]		12 500		6 580		13 200		15 100		26 000		F 730		23 000		4 310		0 153	
	25-Apr-08		0 180		0 264		0 179		0 262		0 231		0 278		0 228		0 298		0 136	
	28-May-08		0 140	U	0 140	U	0 140	U	0 140	U	0 140	U	0 140	U	0 140	U	0 140	U	0 140	U
	27-Jun-08		0 248		0 408		0 387		0 456		0 424		0 243		0 480		0 248		0 215	
	31-Jul-08		1 030		1 000		0 877		0 880		0 795		0 872		0 252		0 287		0 184	
	28-Aug-08		0 321		0 367		0 283		0 323		0 274		0 434		0 294		0 282		0 445	
	30-Sep-08		3 400	U	3 400	U	3 400	U	3 400	U	3 400	U	3 400	U	3 400	U	3 400	U	3 400	U
	27-Oct-08		4 200	U	4 200	U	4 200	U	4 200	U	4 200	U	4 200	U	4 200	U	4 200	U	4 200	U
	25-Nov-08		3 400	U	3 400	U	3 400	U	3 400	U	3 400	U	3 400	U	3 400	U	3 400	U	3 400	U
	18-Dec-08		3 400	U	3 400	U	3 400	U	3 400	U	3 400	U	3 400	U	3 400	U	3 400	U	3 400	U
	21-Jan-09		3 400	U	3 400	U	3 400	U	3 400	U	3 400	U	3 400	U	3 400	U	3 400	U	3 400	U
	25-Feb-09		3 400	U	3 400	U	3 400	U	NS		3 400	U	3 400	U	3 400	U	3 400	U	3 400	U
	26-Mar-09		1 630		1 210		1 170		0 880		1 080		1 320		1 470		1 880		1 380	
	29-Apr-09		0 136	U	0 136	U	0 097		0 136	U	0 136	U	0 136	U	0 136	U	0 136	U	0 136	U

Summary of Indoor Ambient Outdoor Air Sampling Data - Adelaide Avenue School Project - Volatile Organic Compounds
March 2007 - April 2009

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentrations/Interim RDEM Approved Action Level	Kitchen Storage Rm	Qual	Cafeteria	Qual	Gymnasium	Qual	Elevator Hallway	Qual	Room 116	Qual	Room 110	Qual	Mother Cats (Rm 145)	Qual	Room 152	Qual	Ambient Outdoor	Qual
Toluene	15-Mar-07	210	110 000		160 000		180 000		130 000		23 000		120 000		170 000		140 000		7 200	
	22-Mar-07		14 100		16 800		140 000		19 400		25 500		54 500		64 200		17 000		0 715	
	26-Apr-07		8 880		18 400		12 300		17 200		16 100		2 410		18 000		16 800		0 772	
	21-May-07		7 300		5 040		4 500		5 379		3 230		6 865		7 070		6 875		0 570	
	29-Jun-07		8 800		5 800		4 300		4 130		2 300		1 600		1 800		3 300		0 920	
	30-Jul-07		5 400		5 800		5 000		4 200		3 700		1 800		2 400		2 905		1 100	
	22-Aug-07		1 480		1 290		1 880		1 775		0 930		0 530		1 610		0 870		0 870	
	20-Sep-07		4 920		2 110		8 910		2 260		1 870		2 240		1 440		1 870		1 160	
	9-Oct-07		1 780		1 530		2 820		1 810		2 410		1 920		2 420		1 880		1 530	
	7-Nov-07		2 060		1 470		1 860		1 885		1 870		1 620		1 720		1 470		0 480	
	6-Dec-07		0 460		0 890		0 930		0 690		0 900		0 690		0 730		0 720		0 570	
	8-Jan-08		4 280		3 270		3 200		3 580		4 530		3 960		6 300		3 730		7 000	
	8-Feb-08		1 240		1 140		1 120		1 150		1 240		0 990		0 910		1 030		1 480	
	27-Mar-08		6 470		4 040		4 520		4 150		5 920		5 570		4 210		4 040		1 540	
	25-Apr-08		4 800		4 000		2 810		3 900		3 780		4 070		4 010		3 880		0 485	
	29-May-08		0 936		0 780		1 630		1 330		0 870		1 060		1 070		0 870		0 320	
	27-Jun-08		3 870		3 040		3 200		3 450		4 110		3 640		4 870		3 020		2 410	
	31-Jul-08		2 780		2 070		2 880		1 980		3 720		2 200		1 880		1 440		1 850	
	28-Aug-08		0 230		5 880		7 800		7 530		5 920		5 840		5 880		5 240		8 050	
	30-Sep-08		1 800	U	1 900	U	2 800		1 900	U	5 800	U	1 900	U	1 800	U	2 300		1 900	U
	27-Oct-08		6 700		6 300		3 500		6 100		2 300		6 500		3 800		6 800		8 400	
	18-Nov-08		5 800		1 900	U	1 900	U	5 000		1 900	U	1 800	U	1 800	U	1 900	U	1 900	U
	18-Dec-08		1 900	U	1 900	U	1 900	U	1 800	U	1 900	U	1 900	U	1 800	U	1 800	U	1 900	U
	21-Jan-09		1 900	U	1 900	U	1 900	U	1 800	U	1 900	U	1 900	U	1 800	U	1 900	U	1 900	U
	25-Feb-09		1 900	U	1 900	U	1 900	U	NS		1 900	U	1 900	U	1 800	U	1 900	U	1 900	U
	26-Mar-09		5 110		4 060		3 980		3 545		3 900		4 730		5 270		4 085		5 310	
	29-Apr-09		0 879		0 585		0 879	U	0 704		1 050		0 585		0 814		0 810		0 953	
trans-1,2-Dichloroethene	15-Mar-07	37	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U
	22-Mar-07		0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U
	26-Apr-07		0 079	U	0 079	U	0 079	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U
	21-May-07		0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U
	29-Jun-07		0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U
	30-Jul-07		0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U
	22-Aug-07		0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U
	20-Sep-07		0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U
	9-Oct-07		0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U
	7-Nov-07		0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U
	6-Dec-07		0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U
	8-Jan-08		0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U
	8-Feb-08		0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U
	27-Mar-08		0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U
	25-Apr-08		0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U
	29-May-08		0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 079	U
	27-Jun-08		0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U
	31-Jul-08		0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U
	28-Aug-08		2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U
	30-Sep-08		2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U
	27-Oct-08		2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U
	18-Nov-08		2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U
	18-Dec-08		2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U
	21-Jan-09		2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U
	25-Feb-09		2 000	U	2 000	U	2 000	U	NS		2 000	U	2 000	U	2 000	U	2 000	U	2 000	U
	26-Mar-09		0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U
	29-Apr-09		0 079	U	0 079	U	0 081	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U	0 079	U
trans-1,3-Dichloropropene	15-Mar-07	None	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U
	22-Mar-07		0 081	U	0 081	U	0 081	U	0 081	U	0 081	U	0 081	U	0 081	U	0 081	U	0 081	U
	26-Apr-07		0 081	U	0 081	U	0 081	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U
	21-May-07		0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U
	29-Jun-07		0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U
	30-Jul-07		0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U
	22-Aug-07		0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U
	20-Sep-07		0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U
	9-Oct-07		0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U
	7-Nov-07		0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U
	6-Dec-07		0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U
	8-Jan-08		0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U
	8-Feb-08		0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U
	27-Mar-08		0 081	U	0 081	U	0 081	U	0 081	U	0 081	U	0 081	U	0 081	U	0 081	U	0 081	U
	25-Apr-08		0 081	U	0 081	U	0 081	U	0 081	U	0 081	U	0 081	U	0 081	U	0 081	U	0 081	U
	29-May-08		0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U
	27-Jun-08		0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 080	U	0 340		0 080	U	0 080	U
	31-Jul-08		0 080	U	0 080	U	0 080	U	0 081	U	0 081	U	0 081	U	0 081	U	0 081	U	0 081	U
	28-Aug-08		0 081	U	0 081	U	0 081	U	0 081	U	0 081	U	0 081	U	0 081	U	0 081	U	0 081	U
	27-Oct-08		0 180	U	0 180	U	0 200		0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U
	27-Oct-08		0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U
	25-Nov-08		0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U
	18-Dec-08		0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U
	21-Jan-09		0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U	0 180	U
	25-Feb-09		0 180	U	0 180	U	0 180	U	NS		0 180	U	0 180	U	0 180	U	0 180	U	0 180	U
	26-Mar-09		0 081	U	0 081	U	0 081	U	0 081	U	0 081	U	0 081	U	0 081	U	0 081	U	0 081	U
	29-Apr-09		0 081	U	0 081	U	0 197		0 081	U	0 081	U	0 081	U	0 081	U	0 081	U	0 081	U

Summary of Indoor Ambient Outdoor Air Sampling Data - Adelaide Avenue School Project - Volatile Organic Compounds
March 2007 - April 2009

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentration/Interim RfD/RfC Approved Action Level	Kitchen Storage Rm	Qual	Cafeteria	Qual	Gymnasium	Qual	Element Hallway	Qual	Room 118	Qual	Region 119	Qual	Media Cafe (Rm 145)	Qual	Room 102	Qual	Ambient Outdoor	Qual
Trichlorofluoro*	15-Mar-07		0.160		0.310		0.110		0.110		0.270		0.700		0.370		0.210		0.700	
	22-Mar-07		1.720		0.781				0.107		0.107		0.129		0.218		0.161		2.740	
	26-Apr-07		0.143		0.244		0.353		0.140		0.218		0.129		0.200		0.440		0.107	U
	21-May-07		0.130		0.120		0.170		0.110		0.180		0.129		0.170		0.110		0.129	
	29-Jun-07		0.185		0.115	U	0.110	U	0.120		0.110		0.129		0.140		0.110	U	0.230	
	30-Jul-07		0.440		0.429		0.400		0.410		0.107	U	0.140		0.230		0.350		0.210	
	22-Aug-07	1.0	0.110	U	0.110	U	0.110	U	0.107	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	20-Sep-07		0.110	U	0.110	U	0.130		0.107	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	9-Oct-07		0.110	U	0.110	U	0.110	U	0.107	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	7-Nov-07		0.110	U	0.116	U	0.110	U	0.107	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	6-Dec-07		0.110	U	0.110	U	0.110	U	0.107	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	8-Jan-08		0.160		0.140		0.130		0.140		0.160		0.160		0.160		0.200		0.520	
	8-Feb-08		0.110		0.120		0.110	U	0.107	U	0.110	U	0.110	U	0.350	U	0.110	U	0.210	U
	27-Mar-08		0.230		0.233		0.210		0.326		0.325		0.308		0.217		0.170		0.107	U
	25-Apr-08		0.107	U	0.164		0.147		0.372		0.151		0.152		0.188		0.229		0.107	U
	29-May-08		0.110	U	0.110	U	0.110	U	0.107	U	0.110	U	0.110	U	0.110	U	0.110	U	0.110	U
	27-Jun-08		0.110	U	0.110	U	0.110	U	0.107	U	0.110	U	0.107	U	0.143	U	0.105	U	0.107	U
	31-Jul-08		0.113	U	0.107	U	0.107	U	0.107	U	0.107	U	0.107	U	0.107	U	0.107	U	0.834	U
	28-Aug-08		0.193		0.116	U	0.107	U	0.107	U	0.146		0.134		0.110	U	0.107	U	0.809	U
	30-Sep-08		0.800	U	0.800	U	0.805	U	0.800	U	0.800	U	0.800	U	0.800	U	0.800	U	0.800	U
	27-Oct-08		0.800	U	0.800	U	0.800	U	0.800	U	0.800	U	0.800	U	0.800	U	0.800	U	0.800	U
	25-Nov-08		0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U
	18-Dec-08		0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U
	31-Jan-09		0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U	0.540	U
	25-Feb-09		0.110	U	0.110	U	0.110	U	NS		0.110	U	0.110	U	0.110	U	0.110	U	0.130	
	26-Mar-09		4.000		0.326		1.810		0.438		0.838		1.160		1.810		0.450		8.870	
	29-Apr-09		0.107	U	0.107	U	1.340		0.107	U	0.107	U	0.107	U	0.107	U	0.107	U	0.107	U
Trichlorotrifluoroethane	15-Mar-07		1.500		2.200		2.400		2.000		2.100		3.300		2.000		2.000		1.200	
	22-Mar-07		1.570		1.570		1.800		1.800		1.520		1.520		1.800		1.740		1.350	
	26-Apr-07		1.760		1.820		1.680		1.840		1.840		2.000		1.840		1.840		1.950	
	21-May-07		0.980		0.930		1.110		0.790		0.730		0.780		0.820		0.780		1.070	
	29-Jun-07		1.300		1.300		1.200		1.400		1.300		1.200		1.200		1.200		1.200	
	30-Jul-07		1.400		1.600		1.600		1.400		1.600		2.000		1.600		1.600		2.100	
	22-Aug-07	3.70	1.480		1.480		1.520		1.480		1.440		1.440		1.440		1.480		1.350	
	20-Sep-07		1.330		1.330		1.440		1.330		1.310		1.120		1.130		1.310		1.110	
	9-Oct-07		1.410		1.410		1.440		1.280		1.450		1.450		1.450		1.480		1.640	
	7-Nov-07		2.030		2.010		1.870		1.570		1.680		1.630		1.680		1.640		1.810	
	6-Dec-07		1.650		1.630		1.370		1.480		1.340		1.340		1.340		1.340		1.280	
	8-Jan-08		2.120		1.870		1.580		1.900		1.410		1.670		1.520		1.720		1.480	
	8-Feb-08		1.140		1.070		1.110		1.010		0.990		1.050		1.040		1.020		1.060	
	27-Mar-08		1.740		1.870		1.540		1.250		2.320		2.120		2.140		1.210		1.380	
	25-Apr-08		1.740		1.660		1.340		1.640		1.480		1.570		1.640		1.500		1.030	
	29-May-08		1.020		0.930		0.870		1.080		0.930		0.930		0.990		0.910		0.880	
	27-Jun-08		1.340		1.220		1.290		1.300		1.180		1.180		1.170		1.180		1.185	
	31-Jul-08		1.060		1.100		1.010		1.010		1.010		1.010		1.003		0.973		0.926	
	28-Aug-08		2.740		3.360		3.470		3.280		3.840		3.420		3.840		3.480		2.310	
	30-Sep-08		2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U
	27-Oct-08		2.800	U	2.805	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U
	25-Nov-08		2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U
	18-Dec-08		3.805	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U
	31-Jan-09		2.800	U	2.805	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U	2.800	U
	25-Feb-09		2.800	U	2.800	U	2.800	U	NS		2.800	U	2.800	U	2.800	U	2.800	U	2.800	U
	26-Mar-09		1.270		1.160		1.180		1.140		1.230		1.180		1.170		1.130		1.180	
	29-Apr-09		1.480		1.170		0.851	U	1.270		1.180		1.180		1.270		1.290		1.180	
Vinyl chloride*	15-Mar-07		0.050	U	0.050	U	0.051	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	22-Mar-07		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U
	26-Apr-07		0.051	U	0.051	U	0.051	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.051	U
	21-May-07		0.050	U	0.050	U	0.050	U	0.052	U	0.050	U	0.050	U	0.070	U	0.050	U	0.050	U
	29-Jun-07		0.050	U	0.060	U	0.050	U	0.050	U	0.060	U	0.060	U	0.050	U	0.050	U	0.056	U
	30-Jul-07		0.060	U	0.050	U	0.050	U	0.062	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	22-Aug-07	0.14	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	20-Sep-07		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	9-Oct-07		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	7-Nov-07		0.050	U	0.050	U	0.050	U	4.600	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	6-Dec-07		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	8-Jan-08		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	8-Feb-08		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U
	27-Mar-08		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U
	25-Apr-08		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	29-May-08		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.051	U
	27-Jun-08		0.050	U	0.050	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U
	31-Jul-08		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U
	28-Aug-08		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U
	30-Sep-08		0.100	U	0.100	U	0.105	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U
	27-Oct-08		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U
	25-Nov-08		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U
	18-Dec-08		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U
	31-Jan-09		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U
	25-Feb-09		0.100	U	0.100	U	0.100	U	NS		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U
	26-Mar-09		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U
	29-Apr-09		0.051	U	0.051	U	1.080		0.051	U	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U

Summary of Indoor Ambient Outdoor Air Sampling Data - Adelaide Avenue School Project - Volatile Organic Compounds
March 2007 - April 2009

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentration based on RIDEM Approved Action Level	Kitchen Storage Rm	Qual	Cafeteria	Qual	Gymnasium	Qual	Elevator Hallway	Qual	Room 118	Qual	Room 119	Qual	Media Cab (Rm 145)	Qual	Room 152	Qual	Ambient Outdoor	Qual
Acrylonitrile	15-Mar-07	None	1 100	U	1 100	U	1 100	U	1 100	U	1 100	U	1 100	U	1 100	U	1 100	U	1 100	U
	22-Mar-07		1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U
	26-Apr-07		1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U
	21-May-07		1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U
	29-Jun-07		1 100	U	1 100	U	1 100	U	1 100	U	1 100	U	1 100	U	1 100	U	1 100	U	1 100	U
	30-Jul-07		1 100	U	1 100	U	1 100	U	1 100	U	1 100	U	1 100	U	1 100	U	1 100	U	1 100	U
	22-Aug-07		1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U
	26-Sep-07		1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U
	9-Oct-07		1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U
	7-Nov-07		1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U
	6-Dec-07		1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U
	8-Jan-08		1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U
	8-Feb-08		1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U
	27-Mar-08		1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U
	25-Apr-08		1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U
	29-May-08		1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U
	27-Jun-08		1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U
	31-Jul-08		1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U
	28-Aug-08		1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U
	30-Sep-08		2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U
	27-Oct-08		2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U
	25-Nov-08		2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U
	18-Dec-08		2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U
	21-Jan-09		2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U	2 200	U
	26-Feb-09		2 200	U	2 200	U	2 200	U	NS		2 200	U	2 200	U	2 200	U	2 200	U	2 200	U
	26-Mar-09		1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U
	29-Apr-09		1 080	U	1 080	U	2 740	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U	1 080	U
2-Butylbenzene	15-Mar-07	73	2 700	U	14 000		2 700	U	23 000		2 700	U	2 700	U	2 700	U	7 200		2 700	U
	22-Mar-07		2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U
	26-Apr-07		2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U
	21-May-07		2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U
	29-Jun-07		1 100	U	1 100	U	1 100	U	1 100	U	1 100	U	1 100	U	1 100	U	1 100	U	1 100	U
	30-Jul-07		2 700	U	2 700	U	2 700	U	2 700	U	2 700	U	2 700	U	2 700	U	2 700	U	2 700	U
	22-Aug-07		2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U
	26-Sep-07		2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U
	9-Oct-07		2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U
	7-Nov-07		2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U
	6-Dec-07		2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U
	8-Jan-08		2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U
	8-Feb-08		2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U
	27-Mar-08		2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U
	25-Apr-08		2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U
	29-May-08		2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U
	27-Jun-08		2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U
	31-Jul-08		2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U
	28-Aug-08		5 500	U	5 500	U	5 500	U	5 500	U	23 300		5 500	U	5 500	U	73 000		5 500	U
	30-Sep-08		5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 300	U	5 500	U
	27-Oct-08		5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U
	25-Nov-08		5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U
	18-Dec-08		5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U
	21-Jan-09		5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U
	26-Feb-09		5 500	U	5 500	U	5 500	U	NS		5 500	U	5 500	U	5 500	U	5 500	U	5 500	U
	26-Mar-09		2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U
	29-Apr-09		2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	3 740	U	2 740	U	2 740	U	2 740	U
sec-Butylbenzene	15-Mar-07	73	3 500	U	6 800		20 000		9 700		2 600	U	2 500	U	2 500	U	6 400		2 500	U
	22-Mar-07		2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U
	26-Apr-07		2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U
	21-May-07		2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U
	29-Jun-07		2 500	U	2 500	U	2 500	U	2 500	U	2 500	U	2 500	U	2 500	U	2 500	U	2 500	U
	30-Jul-07		2 500	U	2 500	U	2 500	U	2 500	U	2 500	U	2 500	U	2 500	U	2 500	U	2 500	U
	22-Aug-07		2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U
	26-Sep-07		2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U
	9-Oct-07		2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U
	7-Nov-07		2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U
	6-Dec-07		2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U
	8-Jan-08		2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U
	8-Feb-08		2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U
	27-Mar-08		2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U
	25-Apr-08		2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U
	29-May-08		2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	3 740	U	2 740	U	2 740	U	2 740	U
	27-Jun-08		2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U
	31-Jul-08		2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U
	28-Aug-08		5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	6 500	U	56 000		5 500	U	5 500	U
	30-Sep-08		5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U
	27-Oct-08		5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U
	25-Nov-08		5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U
	18-Dec-08		5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U
	21-Jan-09		5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U
	26-Feb-09		5 500	U	5 500	U	5 500	U	NS		5 500	U	5 500	U	5 500	U	5 500	U	5 500	U
	26-Mar-09		2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U
	29-Apr-09		2 740	U	2 740	U	2 460		2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U

Data Modified 6/23/2009

Summary of Indoor Ambient Outdoor Air Sampling Data - Adelaide Avenue School Project - Volatile Organic Compounds
March 2007 - April 2009

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Interim Residential Target Air Concentrations/Interim RIDEM Approved Action Level	Kitchen Storage Rm	Qual	Cafeteria	Qual	Gymnasium	Qual	Elevator Hallway	Qual	Room 118	Qual	Room 110	Qual	Media Cab (Rm 145)	Qual	Room 152	Qual	Ambient Outdoor	Qual
Isopropylbenzene	15-Mar-07		2 460	U	15 000		34 000		15 000		2 500	U	5 130		8 800		10 000		2 500	U
	22-Mar-07		2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U
	26-Apr-07		2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U
	21-May-07		2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U
	29-Jun-07		2 500	U	2 500	U	2 500	U	2 500	U	2 500	U	2 500	U	2 500	U	2 500	U	2 500	U
	30-Jul-07		2 500	U	2 500	U	2 500	U	2 500	U	2 500	U	2 500	U	2 500	U	2 500	U	2 500	U
	22-Aug-07	120	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U
	20-Sep-07		2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U
	9-Oct-07		2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U
	7-Nov-07		2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U
	6-Dec-07		2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U
	8-Jan-08		2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U
	8-Feb-08		2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U
	27-Mar-08		2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U
	25-Apr-08		2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U
	28-May-08		2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U
	27-Jun-08		2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U
	31-Jul-08		2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U
	28-Aug-08		2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U
	30-Sep-08		4 900	U	4 900	U	4 900	U	4 900	U	4 900	U	4 900	U	4 900	U	12 700		4 900	U
	27-Oct-08		4 900	U	4 900	U	4 900	U	4 900	U	4 900	U	4 900	U	4 900	U	4 900	U	4 900	U
	25-Nov-08		4 900	U	4 900	U	4 900	U	4 900	U	4 900	U	4 900	U	4 900	U	4 900	U	4 900	U
	18-Dec-08		4 900	U	4 900	U	4 900	U	4 900	U	4 900	U	4 900	U	4 900	U	4 900	U	4 900	U
	21-Jan-09		4 900	U	4 900	U	4 900	U	4 900	U	4 900	U	4 900	U	4 900	U	4 900	U	4 900	U
	25-Feb-09		4 900	U	4 900	U	2 460	U	NS		4 900	U	4 900	U	4 900	U	4 900	U	4 900	U
	26-Mar-09		2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U
	29-Apr-09		2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U	2 460	U
p-Isopropyltoluene	15-Mar-07		3 700	U	13 000		27 000		17 000		3 700	U	2 720	U	6 200		11 000		3 700	U
	22-Mar-07		3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U
	26-Apr-07		3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U
	21-May-07		3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U
	29-Jun-07		0 320	U	0 320	U	0 270	U	0 320	U	0 320	U	0 320	U	0 320	U	0 320	U	0 320	U
	30-Jul-07		3 700	U	3 700	U	3 700	U	3 700	U	3 700	U	3 700	U	3 700	U	3 700	U	3 700	U
	22-Aug-07	67	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U
	20-Sep-07		3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U
	9-Oct-07		3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U
	7-Nov-07		3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U
	6-Dec-07		3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U
	8-Jan-08		3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U
	8-Feb-08		3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U
	27-Mar-08		3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U
	25-Apr-08		3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U
	28-May-08		3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U
	27-Jun-08		3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U
	31-Jul-08		3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U
	28-Aug-08		3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U	3 740	U
	30-Sep-08		5 500	U	5 500	U	5.5	U	5 500	U	5 500	U	8 400		5 500	U	5 500	U	67 000	
	25-Nov-08		5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5.5	U	5 500	U	5 500	U	5 500	U
	25-Nov-08		5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U
	18-Dec-08		5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U
	21-Jan-09		5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U
	25-Feb-09		5 500	U	5 500	U	5 500	U	NS		5 500	U	5 500	U	5 500	U	5 500	U	5 500	U
	26-Mar-09		2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U
	29-Apr-09		2 740	U	2 740	U	0 274	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U	2 740	U
Acetone	15-Mar-07		340 000		1200 000		1400 000		720 000		130 000		1500 000		540 000		970 000		14 000	
	22-Mar-07		41 700		54 800		21 000		21 800		80 800		81 800		36 700		14 800			
	26-Apr-07		14 400		11 100		8 140		12 100		15 900		8 540		18 800		19 200		12 000	
	21-May-07		20 400		13 000		9 500		19 300		11 300		27 200		25 700		26 200		8 880	
	29-Jun-07		21 000		15 000		14 000		18 000		18 000		72 000		13 000		13 000		13 000	
	30-Jul-07		22 000		16 000		21 000		20 000		23 000		18 000		16 000		16 000		20 000	
	22-Aug-07	180	24 000		40 000		9 120		14 000		17 000		8 310		23 300		11 200		8 110	
	20-Sep-07		13 400		7 440		12 300		10 500		6 820		8 530		6 420		6 870		11 300	
	9-Oct-07		76 400		6 730		8 060		7 870		14 900		25 600		18 200		11 900		8 810	
	7-Nov-07		104 000		16 800		17 000		17 300		30 600		36 200		24 800		23 900		12 900	
	6-Dec-07		18 800		23 900		4 750	U	4 650		12 000		13 600		4 750	U	4 750	U	4 750	U
	8-Jan-08		35 100		8 840		8 840		9 230		14 800		15 800		11 500		12 800		11 400	
	8-Feb-08		20 200		8 240		4 750	U	4 750	U	8 870		6 040		4 750	U	4 750		4 750	U
	27-Mar-08		576 000		184 000		104 000		99 600		24 700		38 300		76 700		47 400		8 470	
	25-Apr-08		61 700		12 900		10 000		15 100		14 800		10 800		12 800		17 100		8 670	
	28-May-08		19 500		15 000		12 800		16 200		10 900		17 200		13 200		11 800		7 480	
	27-Jun-08		67 800		20 000		20 500		27 700		26 900		28 000		26 000		29 800		10 700	
	31-Jul-08		32 200		17 700		20 800		18 800		20 000		20 000		18 800		23 500		20 000	
	28-Aug-08		33 100		21 100		21 500		25 800		27 000		32 400		29 100		23 800		37 000	
	30-Sep-08		38 400		10 400		7 600		11 200		44 800		29 800		19 600		58 800		6 800	
	27-Oct-08		56 200		23 100		14 900		24 100		18 900		26 800		34 300		25 100		100 000	
	25-Nov-08		21 300		6 200		5 300		14 000		15 800		8 700		6 800		10 000		7 000	
	18-Dec-08		39 200		16 500		16 900		21 500		23 100		41 800		22 800		28 800		40 000	
	21-Jan-09		5 300		3 400		2 400	U	3 800		5 800		5 800		3 300		4 000		2 400	U
	25-Feb-09		2 400	U	2 800		2 400	U	NS		5 800		5 800		3 800		4 100		2 400	U
	26-Mar-09		34 400		10 700		8 820		11 300		13 800		12 000		10 800		12 000		9 840	
	29-Apr-09		4 780	U	6 700		7 230		8 340		10 200		9 420		7 570		9 619		7 700	

Summary of Indoor Ambient Outdoor Air Sampling Data - Adelaide Avenue School Project - Volatile Organic Compounds
March 2007 - April 2009

Volatile Organic Compounds via TO-15	Sample Date	CT Draft Proposed Indoor Residential Target Air Concentration/Interim RIDEM-Approved Action Level	Kitchen Storage Rm	Qual	Cafeteria	Qual	Gymnasium	Qual	Elevator Hallway	Qual	Room 118	Qual	Room 110	Qual	Media Ctr (Rm 145)	Qual	Room 152	Qual	Ambient Outdoor	Qual
2-Butanone	15-Mar-07		92 000		21 000		22 000		18 000		12 000		210 000		22 000		23 000		1 500	U
	22-Mar-07		39 000		11 700		7 810		1 470	U	1 470	U	1 470	U	1 470	U	10 600		92 800	
	26-Apr-07		18 700		18 100		1 470	U	8 250		1 470	U	1 470	U	1 470	U	5 860		1 470	U
	21-May-07		8 680		3 850		1 700		4 840		1 470	U	7 790		3 390		3 060		2 280	
	29-Jun-07		7 200		4 400		28 000		3 200		8 680	U	360 000		18 000		1 800		34 000	
	30-Jul-07		6 100		3 800		9 200		5 100		8 300		1 800		2 900		2 300		1 800	
	23-Aug-07	500	1 470	U	1 470	U	1 470	U	1 470	U	1 470	U	1 470	U	1 470	U	1 470	U	1 470	U
	20-Sep-07		1 580		2 710		8 570		2 180		1 470	U	1 470	U	1 470	U	1 470	U	8 440	
	9-Oct-07		9 040		2 790		2 120		1 790		1 720		1 470	U	1 470	U	1 480		1 470	U
	7-Nov-07		1 810		1 470	U	2 290		1 800		2 760		2 440		2 380		2 400		1 470	U
	6-Dec-07		1 470	U	1 470	U	1 470	U	1 470	U	1 470	U	1 470	U	1 470	U	1 470	U	1 470	U
	8-Jan-08		1 520		1 840		1 470	U	1 470	U	1 470	U	1 470	U	1 470	U	1 470	U	1 820	
	8-Feb-08		1 470	U	1 470	U	1 470	U	1 470	U	1 470	U	1 470	U	1 470	U	1 470	U	1 470	U
	27-Mar-08		4 840		6 640		5 850		5 140		3 950		4 440		6 880		6 640		1 470	U
	25-Apr-08		2 140		1 470	U	3 170		1 470	U	1 470	U	1 470		1 470	U	1 470	U	1 470	U
	29-May-08		1 470	U	1 470	U	2 840		2 240		1 470	U	1 470	U	1 470	U	1 470	U	1 470	U
	27-Jun-08		7 850		2 520		3 810		3 880		3 050		2 420		2 840		2 340		3 080	
	31-Jul-08		2 060		1 720		3 080		1 650		2 060		2 160		1 470	U	1 480		1 470	U
	28-Aug-08		2 230		1 790		3 880		3 940		1 470	U	1 470	U	1 470	U	1 470	U	1 650	
	30-Sep-08		1 500	U	1 500	U	1 500	U	1 600	U	8 200		1 800	U	1 500	U	8 100		1 800	U
	27-Oct-08		1 800		3 200		1 500	U	3 800		1 500	U	2 000		1 500		2 300		2 800	
	25-Nov-08		2 800		1 800		1 900	U	1 900		1 500	U	1 900	U	2 800		1 500	U	1 800	
	18-Dec-08		1 500	U	1 600	U	1 500	U	1 500	U	1 500	U	1 500	U	1 500	U	1 500	U	1 500	U
	21-Jan-09		1 500	U	1 600	U	1 500	U	1 600	U	1 500	U	1 800	U	1 800	U	1 800	U	1 800	U
	25-Feb-09		1 500	U	1 500	U	1 600	U	NS		1 500	U	1 500	U	1 500	U	1 500	U	1 500	U
	26-Mar-09		2 410		1 880		1 470	U	1 470	U	1 580		1 470	U	1 470	U	1 470	U	1 470	U
	29-Apr-09		1 470	U	1 470	U	1 470	U	1 460	U	1 470	U	1 470	U	1 470	U	1 470	U	1 470	U
4-Methyl-2-pentanone	15-Mar-07		7 800		3 200		5 100		4 200		2 900		3 800		8 500		6 400		2 000	U
	22-Mar-07		2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	5 570		2 050	U
	26-Apr-07		2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	4 870		2 050	U
	21-May-07		6 180		4 470		2 050	U	4 320		2 050	U	5 480		4 180		7 010		2 050	U
	29-Jun-07		2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U
	30-Jul-07		2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U
	23-Aug-07	37	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U
	20-Sep-07		2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U
	9-Oct-07		2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U
	7-Nov-07		2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U
	6-Dec-07		2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U
	8-Jan-08		2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U
	8-Feb-08		2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U
	27-Mar-08		2 050	U	2 100	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U
	25-Apr-08		2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U
	29-May-08		2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U
	27-Jun-08		2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U
	31-Jul-08		2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U
	28-Aug-08		2 050	U	2 050	U	2 050	U	2 840		2 050	U	2 050	U	2 050	U	2 050	U	2 050	U
	30-Sep-08		2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U
	27-Oct-08		2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U
	25-Nov-08		2 000	U	2 000	U	2 000	U	2 000		2 000	U	2 000	U	2 000	U	2 000	U	2 000	U
	18-Dec-08		2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U
	21-Jan-09		2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U	2 000	U
	25-Feb-09		2 000	U	2 000	U	2 000	U	NS		2 800		2 000	U	2 000	U	2 000	U	2 000	U
	26-Mar-09		2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U
	29-Apr-09		2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U	2 050	U

Notes:
All data presented in micrograms per cubic meter (ug/m3)
U designation indicates that the compound was not detected by the laboratory. Reporting level shown in the data column
NS not sampled
None No Draft Proposed CT Residential TAC for this compound
* = Site Specific Compound of Concern per ATSDR Health Consultation December 4, 2006
1 Elevated Data is a result of inadvertent cross-contamination at the laboratory and not resultant from soil vapor intrusion. Media Center/Room 145 was resampled on 28 January 2008 with Tetrachloroethylene concentration not detected by the laboratory (MDL = 0.14 ug/m³)
2 Elevated Tetrachloroethylene and Acetone data detected on 27 March 2008 was determined to be the result of cleaning products (e.g., graffiti remover, stainless steel polish, etc.) introduced to the school in February and March, and not the result of soil vapor intrusion. Re-sampling effort on 29 April 2008 indicates no exceedances of applicable Acetone and Tetrachloroethylene Action Levels.

ANALYTICAL REPORT

Lab Number:	L0903759
Client:	EA Engineering, Science and Tech 2350 Post Road Warwick, RI 02886
ATTN:	Mark Speer
Project Name:	ALVEREZ HS
Project Number:	14613.01
Report Date:	04/06/09

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

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

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0903759
Report Date: 04/06/09

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0903759-01	GYMNASIUM	PROVIDENCE, RI	03/26/09 07:54
L0903759-02	CAFETERIA	PROVIDENCE, RI	03/26/09 07:41
L0903759-03	KITCHEN STORAGE	PROVIDENCE, RI	03/26/09 07:55
L0903759-04	ELEVATOR HALL	PROVIDENCE, RI	03/26/09 07:42
L0903759-05	RM 152	PROVIDENCE, RI	03/26/09 07:45
L0903759-06	RM 145	PROVIDENCE, RI	03/26/09 07:46
L0903759-07	RM 118	PROVIDENCE, RI	03/26/09 07:49
L0903759-08	RM 110	PROVIDENCE, RI	03/26/09 07:51
L0903759-09	AMBIENT OUTDOOR	PROVIDENCE, RI	03/26/09 07:48

Project Name:	ALVEREZ HS	**Lab Number:**	L0903759
Project Number:	14613.01	**Report Date:**	04/06/09

Case Narrative

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

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

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

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

TO15-SIM

L0903759-03 results for Acetone should be considered estimated due to co-elution with a non-target peak.

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

Authorized Signature: Kathleen M. Ahern

Title: Technical Director/Representative

Date: 04/06/09

AIR

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0903759
Report Date: 04/06/09

SAMPLE RESULTS

Lab ID: L0903759-01
Client ID: GYMNASIUM
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/01/09 20:09
Analyst: RY

Date Collected: 03/26/09 07:54
Date Received: 03/27/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
1,1,1-Trichloroethane	ND	0.020	ND	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	0.305	0.020	1.50	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	0.022	0.020	0.087	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethybenzene	0.129	0.020	0.634	0.098		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	ND	0.020	ND	0.120		1
Benzene	0.546	0.070	1.74	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Carbon tetrachloride	0.086	0.020	0.542	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	0.023	0.020	0.110	0.098		1
Chloromethane	0.522	0.500	2.55	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0903759
Report Date: 04/06/09

SAMPLE RESULTS

Lab ID: L0903759-01
Client ID: GYMNASIUM
Sample Location: PROVIDENCE, RI
Date Collected: 03/26/09 07:54
Date Received: 03/27/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Dichlorodifluoromethane	0.430	0.050	2.12	0.247		1
Ethylbenzene	0.259	0.020	1.12	0.087		1
Methylene chloride	1.15	0.800	4.01	1.74		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
p/m-Xylene	1.04	0.040	4.53	0.174		1
o-Xylene	0.251	0.020	1.09	0.087		1
Styrene	0.026	0.020	0.110	0.085		1
Tetrachloroethene	0.173	0.020	1.17	0.136		1
Toluene	1.06	0.020	3.99	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	0.281	0.020	1.51	0.107		1
Trichlorofluoromethane	0.209	0.050	1.18	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	3.72	2.00	8.82	4.75		1
2-Butanone	ND	0.500	ND	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0903759
Report Date: 04/06/09

SAMPLE RESULTS

Lab ID: L0903759-02
Client ID: CAFETERIA
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/01/09 20:43
Analyst: RY

Date Collected: 03/26/09 07:41
Date Received: 03/27/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
1,1,1-Trichloroethane	ND	0.020	ND	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	0.175	0.020	0.859	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	0.021	0.020	0.084	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethybenzene	0.064	0.020	0.315	0.098		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	0.022	0.020	0.129	0.120		1
Benzene	0.575	0.070	1.84	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Carbon tetrachloride	0.094	0.020	0.592	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	0.029	0.020	0.142	0.098		1
Chloromethane	0.549	0.500	2.68	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0903759
Report Date: 04/06/09

SAMPLE RESULTS

Lab ID: L0903759-02
Client ID: CAFETERIA
Sample Location: PROVIDENCE, RI
Date Collected: 03/26/09 07:41
Date Received: 03/27/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Dichlorodifluoromethane	0.444	0.050	2.19	0.247		1
Ethylbenzene	0.185	0.020	0.803	0.087		1
Methylene chloride	ND	0.800	1.87	1.74		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
p/m-Xylene	0.657	0.040	2.85	0.174		1
o-Xylene	0.184	0.020	0.798	0.087		1
Styrene	0.027	0.020	0.113	0.085		1
Tetrachloroethene	0.179	0.020	1.21	0.136		1
Toluene	1.08	0.020	4.06	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	0.061	0.020	0.326	0.107		1
Trichlorofluoromethane	0.207	0.050	1.16	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	4.51	2.00	10.7	4.75		1
2-Butanone	0.531	0.500	1.56	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0903759
Report Date: 04/06/09

SAMPLE RESULTS

Lab ID: L0903759-03
Client ID: KITCHEN STORAGE
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/01/09 21:16
Analyst: RY

Date Collected: 03/26/09 07:55
Date Received: 03/27/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
1,1,1-Trichloroethane	ND	0.020	ND	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	0.192	0.020	0.942	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	0.025	0.020	0.102	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethybenzene	0.067	0.020	0.330	0.098		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	0.025	0.020	0.149	0.120		1
Benzene	0.730	0.070	2.33	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Carbon tetrachloride	0.090	0.020	0.568	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	0.048	0.020	0.236	0.098		1
Chloromethane	0.510	0.500	2.49	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0903759
Report Date: 04/06/09

SAMPLE RESULTS

Lab ID: L0903759-03
Client ID: KITCHEN STORAGE
Sample Location: PROVIDENCE, RI
Date Collected: 03/26/09 07:55
Date Received: 03/27/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Dichlorodifluoromethane	0.450	0.050	2.22	0.247		1
Ethylbenzene	0.215	0.020	0.932	0.087		1
Methylene chloride	2.17	0.800	7.54	1.74		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
p/m-Xylene	0.711	0.040	3.08	0.174		1
o-Xylene	0.248	0.020	1.08	0.087		1
Styrene	0.191	0.020	0.814	0.085		1
Tetrachloroethene	0.226	0.020	1.53	0.136		1
Toluene	1.62	0.020	6.11	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	0.746	0.020	4.00	0.107		1
Trichlorofluoromethane	0.218	0.050	1.22	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	14.5	2.00	34.4	4.75		1
2-Butanone	0.817	0.500	2.41	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0903759
Report Date: 04/06/09

SAMPLE RESULTS

Lab ID: L0903759-04
Client ID: ELEVATOR HALL
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/01/09 21:50
Analyst: RY

Date Collected: 03/26/09 07:42
Date Received: 03/27/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
1,1,1-Trichloroethane	ND	0.020	ND	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	0.264	0.020	1.30	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethybenzene	0.110	0.020	0.540	0.098		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	ND	0.020	ND	0.120		1
Benzene	0.516	0.070	1.65	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Carbon tetrachloride	0.089	0.020	0.561	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	0.024	0.020	0.115	0.098		1
Chloromethane	0.598	0.500	2.92	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0903759
Report Date: 04/06/09

SAMPLE RESULTS

Lab ID: L0903759-04
Client ID: ELEVATOR HALL
Sample Location: PROVIDENCE, RI
Date Collected: 03/26/09 07:42
Date Received: 03/27/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Dichlorodifluoromethane	0.424	0.050	2.09	0.247		1
Ethylbenzene	0.245	0.020	1.06	0.087		1
Methylene chloride	ND	0.800	2.10	1.74		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
p/m-Xylene	1.00	0.040	4.34	0.174		1
o-Xylene	0.236	0.020	1.02	0.087		1
Styrene	0.026	0.020	0.110	0.085		1
Tetrachloroethene	0.145	0.020	0.980	0.136		1
Toluene	0.940	0.020	3.54	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	0.082	0.020	0.438	0.107		1
Trichlorofluoromethane	0.202	0.050	1.14	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	4.75	2.00	11.3	4.75		1
2-Butanone	ND	0.500	ND	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0903759
Report Date: 04/06/09

SAMPLE RESULTS

Lab ID: L0903759-05
Client ID: RM 152
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/01/09 22:23
Analyst: RY

Date Collected: 03/26/09 07:45
Date Received: 03/27/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
1,1,1-Trichloroethane	ND	0.020	ND	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	0.115	0.020	0.564	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethybenzene	0.040	0.020	0.198	0.098		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	0.025	0.020	0.150	0.120		1
Benzene	0.590	0.070	1.88	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Carbon tetrachloride	0.086	0.020	0.542	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	0.022	0.020	0.109	0.098		1
Chloromethane	ND	0.500	ND	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0903759
Report Date: 04/06/09

SAMPLE RESULTS

Lab ID: L0903759-05
Client ID: RM 152
Sample Location: PROVIDENCE, RI
Date Collected: 03/26/09 07:45
Date Received: 03/27/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Dichlorodifluoromethane	0.430	0.050	2.12	0.247		1
Ethylbenzene	0.136	0.020	0.589	0.087		1
Methylene chloride	ND	0.800	1.99	1.74		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
p/m-Xylene	0.431	0.040	1.87	0.174		1
o-Xylene	0.150	0.020	0.651	0.087		1
Styrene	0.032	0.020	0.138	0.085		1
Tetrachloroethene	0.279	0.020	1.89	0.136		1
Toluene	1.62	0.020	6.08	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	0.084	0.020	0.450	0.107		1
Trichlorofluoromethane	0.201	0.050	1.13	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	5.05	2.00	12.0	4.75		1
2-Butanone	ND	0.500	ND	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0903759
Report Date: 04/06/09

SAMPLE RESULTS

Lab ID: L0903759-06
Client ID: RM 145
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/01/09 22:56
Analyst: RY

Date Collected: 03/26/09 07:46
Date Received: 03/27/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
1,1,1-Trichloroethane	0.020	0.020	0.109	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	0.150	0.020	0.737	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethybenzene	0.050	0.020	0.246	0.098		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	0.020	0.020	0.120	0.120		1
Benzene	0.710	0.070	2.27	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Carbon tetrachloride	0.090	0.020	0.566	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	0.020	0.020	ND	0.098		1
Chloromethane	ND	0.500	ND	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0903759
Report Date: 04/06/09

SAMPLE RESULTS

Lab ID: L0903759-06
Client ID: RM 145
Sample Location: PROVIDENCE, RI
Date Collected: 03/26/09 07:46
Date Received: 03/27/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Dichlorodifluoromethane	0.420	0.050	2.08	0.247		1
Ethylbenzene	0.170	0.020	0.738	0.087		1
Methylene chloride	1.17	0.800	4.06	1.74		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
p/m-Xylene	0.540	0.040	2.34	0.174		1
o-Xylene	0.190	0.020	0.824	0.087		1
Styrene	0.030	0.020	0.128	0.085		1
Tetrachloroethene	0.210	0.020	1.42	0.136		1
Toluene	1.56	0.020	5.87	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	0.300	0.020	1.61	0.107		1
Trichlorofluoromethane	0.200	0.050	1.12	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	4.44	2.00	10.5	4.75		1
2-Butanone	ND	0.500	ND	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0903759
Report Date: 04/06/09

SAMPLE RESULTS

Lab ID: L0903759-07
Client ID: RM 118
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/01/09 23:30
Analyst: RY

Date Collected: 03/26/09 07:49
Date Received: 03/27/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
1,1,1-Trichloroethane	ND	0.020	ND	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	0.107	0.020	0.526	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethybenzene	0.040	0.020	0.194	0.098		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	0.032	0.020	0.193	0.120		1
Benzene	0.483	0.070	1.54	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Carbon tetrachloride	0.093	0.020	0.584	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	0.027	0.020	0.133	0.098		1
Chloromethane	0.596	0.500	2.91	2.44		1
cis-1,2-Dichloroethene	0.020	0.020	0.079	0.079		1
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0903759
Report Date: 04/06/09

SAMPLE RESULTS

Lab ID: L0903759-07
Client ID: RM 118
Sample Location: PROVIDENCE, RI
Date Collected: 03/26/09 07:49
Date Received: 03/27/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Dichlorodifluoromethane	0.449	0.050	2.22	0.247		1
Ethylbenzene	0.118	0.020	0.511	0.087		1
Methylene chloride	ND	0.800	1.85	1.74		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
p/m-Xylene	0.365	0.040	1.58	0.174		1
o-Xylene	0.127	0.020	0.551	0.087		1
Styrene	0.029	0.020	0.125	0.085		1
Tetrachloroethene	0.160	0.020	1.08	0.136		1
Toluene	1.03	0.020	3.90	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	0.119	0.020	0.639	0.107		1
Trichlorofluoromethane	0.219	0.050	1.23	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	5.81	2.00	13.8	4.75		1
2-Butanone	0.541	0.500	1.59	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0903759
Report Date: 04/06/09

SAMPLE RESULTS

Lab ID: L0903759-08
Client ID: RM 110
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/02/09 00:04
Analyst: RY

Date Collected: 03/26/09 07:51
Date Received: 03/27/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
1,1,1-Trichloroethane	ND	0.020	ND	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	0.115	0.020	0.563	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethybenzene	0.038	0.020	0.185	0.098		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	0.024	0.020	0.146	0.120		1
Benzene	0.692	0.070	2.21	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Carbon tetrachloride	0.089	0.020	0.561	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	0.024	0.020	0.119	0.098		1
Chloromethane	ND	0.500	ND	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0903759
Report Date: 04/06/09

SAMPLE RESULTS

Lab ID: L0903759-08
Client ID: RM 110
Sample Location: PROVIDENCE, RI

Date Collected: 03/26/09 07:51
Date Received: 03/27/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Dichlorodifluoromethane	0.440	0.050	2.18	0.247		1
Ethylbenzene	0.149	0.020	0.648	0.087		1
Methylene chloride	0.930	0.800	3.23	1.74		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
p/m-Xylene	0.458	0.040	1.99	0.174		1
o-Xylene	0.166	0.020	0.718	0.087		1
Styrene	0.026	0.020	0.111	0.085		1
Tetrachloroethene	0.194	0.020	1.32	0.136		1
Toluene	1.26	0.020	4.73	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	0.220	0.020	1.18	0.107		1
Trichlorofluoromethane	0.212	0.050	1.19	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	5.05	2.00	12.0	4.75		1
2-Butanone	ND	0.500	ND	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0903759
Report Date: 04/06/09

SAMPLE RESULTS

Lab ID: L0903759-09
Client ID: AMBIENT OUTDOOR
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/02/09 00:37
Analyst: RY

Date Collected: 03/26/09 07:48
Date Received: 03/27/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
1,1,1-Trichloroethane	ND	0.020	ND	0 109		1
1,1,1,2-Tetrachloroethane	ND	0 020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0 109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	0.150	0.020	0.739	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0 154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0 020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethybenzene	0.048	0.020	0.238	0.098		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	ND	0.020	ND	0.120		1
Benzene	0.749	0.070	2.39	0 223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Carbon tetrachloride	0 096	0.020	0.604	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	0.022	0.020	0.108	0.098		1
Chloromethane	ND	0.500	ND	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0903759
Report Date: 04/06/09

SAMPLE RESULTS

Lab ID: L0903759-09
Client ID: AMBIENT OUTDOOR
Sample Location: PROVIDENCE, RI
Date Collected: 03/26/09 07:48
Date Received: 03/27/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Dichlorodifluoromethane	0.432	0.050	2.13	0.247		1
Ethylbenzene	0.168	0.020	0.727	0.087		1
Methylene chloride	3.36	0.800	11.6	1.74		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
p/m-Xylene	0.533	0.040	2.31	0.174		1
o-Xylene	0.190	0.020	0.826	0.087		1
Styrene	0.029	0.020	0.122	0.085		1
Tetrachloroethene	0.204	0.020	1.38	0.136		1
Toluene	1.41	0.020	5.31	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	1.28	0.020	6.87	0.107		1
Trichlorofluoromethane	0.207	0.050	1.16	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	4.08	2.00	9.68	4.75		1
2-Butanone	ND	0.500	ND	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0903759
Report Date: 04/06/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 04/01/09 14:26

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-09 Batch: WG357471-3						
1,1,1-Trichloroethane	ND	0.020	ND	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	ND	0.020	ND	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethybenzene	ND	0.020	ND	0.098		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	ND	0.020	ND	0.120		1
Benzene	ND	0.070	ND	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Carbon tetrachloride	ND	0.020	ND	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	ND	0.020	ND	0.098		1
Chloromethane	ND	0.500	ND	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0903759
Report Date: 04/06/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 04/01/09 14:26

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-09 Batch: WG357471-3						
Dichlorodifluoromethane	ND	0.050	ND	0.247		1
Ethylbenzene	ND	0.020	ND	0.087		1
Methylene chloride	ND	0.800	ND	1.74		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
p/m-Xylene	ND	0.040	ND	0.174		1
o-Xylene	ND	0.020	ND	0.087		1
Styrene	ND	0.020	ND	0.085		1
Tetrachloroethene	ND	0.020	ND	0.136		1
Toluene	ND	0.020	ND	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	ND	0.020	ND	0.107		1
Trichlorofluoromethane	ND	0.050	ND	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	ND	2.00	ND	4.75		1
2-Butanone	ND	0.500	ND	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0903759
Report Date: 04/06/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 Batch: WG357471-2					
1,1,1-Trichloroethane	122	-	70-130	-	
1,1,1,2-Tetrachloroethane	88	-	70-130	-	
1,1,2,2-Tetrachloroethane	84	-	70-130	-	
1,1,2-Trichloroethane	108	-	70-130	-	
1,1-Dichloroethane	110	-	70-130	-	
1,1-Dichloroethene	95	-	70-130	-	
1,2,4-Trimethylbenzene	87	-	70-130	-	
1,2-Dibromoethane	80	-	70-130	-	
1,2-Dichlorobenzene	76	-	70-130	-	
1,2-Dichloroethane	126	-	70-130	-	
1,2-Dichloropropane	119	-	70-130	-	
1,3,5-Trimethylbenzene	90	-	70-130	-	
1,3-Butadiene	96	-	70-130	-	
1,3-Dichlorobenzene	78	-	70-130	-	
1,4-Dichlorobenzene	76	-	70-130	-	
Benzene	107	-	70-130	-	
Bromodichloromethane	117	-	70-130	-	
Bromoform	83	-	70-130	-	
Bromomethane	73	-	70-130	-	
Carbon tetrachloride	117	-	70-130	-	
Chlorobenzene	89	-	70-130	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0903759
Report Date: 04/06/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 Batch: WG357471-2					
Chloroethane	95	-	70-130	-	
Chloroform	106	-	70-130	-	
Chloromethane	95	-	70-130	-	
cis-1,2-Dichloroethene	111	-	70-130	-	
cis-1,3-Dichloropropene	104	-	70-130	-	
Dibromochloromethane	84	-	70-130	-	
Dichlorodifluoromethane	98	-	70-130	-	
Ethylbenzene	96	-	70-130	-	
1,1,2-Trichloro-1,2,2-Trifluoroethane	89	-	70-130	-	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	89	-	70-130	-	
Methylene chloride	100	-	70-130	-	
Methyl tert butyl ether	85	-	70-130	-	
Naphthalene	70	-	70-130	-	
p/m-Xylene	102	-	70-130	-	
o-Xylene	100	-	70-130	-	
Styrene	89	-	70-130	-	
Tetrachloroethene	84	-	70-130	-	
Toluene	90	-	70-130	-	
trans-1,2-Dichloroethene	102	-	70-130	-	
trans-1,3-Dichloropropene	88	-	70-130	-	
Trichloroethene	102	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0903759
Report Date: 04/06/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 Batch: WG357471-2					
1,2,4-Trichlorobenzene	74	-	70-130	-	
Trichlorofluoromethane	100	-	70-130	-	
Vinyl chloride	93	-	70-130	-	
Acrylonitrile	90	-	70-130	-	
n-Butylbenzene	78	-	70-130	-	
sec-Butylbenzene	81	-	70-130	-	
Isopropylbenzene	91	-	70-130	-	
p-Isopropyltoluene	75	-	70-130	-	
Acetone	79	-	70-130	-	
2-Butanone	86	-	70-130	-	
4-Methyl-2-pentanone	108	-	70-130	-	

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0903759
Report Date: 04/06/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG357471-4 QC Sample: L0903665-01 Client ID: DUP Sample					
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
1,1,1,2-Tetrachloroethane	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
1,1-Dichloroethane	ND	ND	ppbV	NC	25
1,1-Dichloroethene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	0.436	0.410	ppbV	6	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichloroethane	0.030	0.026	ppbV	16	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
1,3,5-Trimethybenzene	0.154	0.141	ppbV	9	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	0.228	0.211	ppbV	8	25
Benzene	0.240	0.209	ppbV	14	25
Bromodichloromethane	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Carbon tetrachloride	0.108	0.095	ppbV	13	25
Chlorobenzene	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0903759
Report Date: 04/06/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG357471-4 QC Sample: L0903665-01 Client ID: DUP Sample					
Chloroethane	ND	ND	ppbV	NC	25
Chloroform	0.044	0.039	ppbV	13	25
Chloromethane	1.19	1.15	ppbV	3	25
cis-1,2-Dichloroethene	0.033	0.029	ppbV	13	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
Dichlorodifluoromethane	0.470	0.436	ppbV	8	25
Ethylbenzene	0.332	0.290	ppbV	14	25
Methylene chloride	0.879	0.760	ppbV	15	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
p/m-Xylene	1.11	0.983	ppbV	12	25
o-Xylene	0.380	0.338	ppbV	12	25
Styrene	0.292	0.268	ppbV	9	25
Tetrachloroethene	2.72	2.35	ppbV	15	25
Toluene	3.72	3.17	ppbV	16	25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Trichloroethene	9.42	8.18	ppbV	14	25
Trichlorofluoromethane	0.242	0.217	ppbV	11	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0903759
Report Date: 04/06/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG357471-4 QC Sample: L0903665-01 Client ID: DUP Sample					
Vinyl chloride	ND	ND	ppbV	NC	25

Project Name: ALVEREZ HS **Lab Number:** L0903759

Project Number: 14613.01 **Report Date:** 04/06/09

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Cleaning Batch ID	Initial Pressure (In. Hg)	Pressure on Receipt (In. Hg)	Flow Out mL/min	Flow In mL/min	% RSD
L0903759-01	GYMNASIUM	0452	#90 SV		-	-	80	82	2
L0903759-01	GYMNASIUM	318	2.7L Can	I0902478	-29.1	-1.0	-	-	-
L0903759-02	CAFETERIA	0116	#30 AMB		-	-	78	87	11
L0903759-02	CAFETERIA	558	2.7L Can	I0902478	-29.5	-0.2	-	-	-
L0903759-03	KITCHEN STORAGE	0001	#16 AMB		-	-	77	72	7
L0903759-03	KITCHEN STORAGE	522	2.7L Can	I0902478	-29.7	0.5	-	-	-
L0903759-04	ELEVATOR HALL	0075	#90 SV		-	-	76	81	6
L0903759-04	ELEVATOR HALL	210	2.7L Can	I0902478	-29.6	-2.1	-	-	-
L0903759-05	RM 152	0043	#90 SV		-	-	78	78	0
L0903759-05	RM 152	145	2.7L Can	I0902478	-29.7	-4.2	-	-	-
L0903759-06	RM 145	0360	#16 AMB		-	-	81	84	4
L0903759-06	RM 145	323	2.7L Can	I0902478	-29.7	-2.5	-	-	-
L0903759-07	RM 118	0173	#16 AMB		-	-	80	83	4
L0903759-07	RM 118	163	2.7L Can	I0902478	-29.7	-2.0	-	-	-
L0903759-08	RM 110	0409	#90 SV		-	-	76	82	8
L0903759-08	RM 110	506	2.7L Can	I0902478	-29.7	-1.4	-	-	-
L0903759-09	AMBIENT OUTDOOR	0045	#90 SV		-	-	80	84	5

Project Name: ALVEREZ HS

Lab Number: L0903759

Project Number: 14613.01

Report Date: 04/06/09

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Cleaning Batch ID	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Out mL/min	Flow In mL/min	% RSD
L0903759-09	AMBIENT OUTDOOR	402	2.7L Can	I0902478	-29.7	-0.1	-	-	-

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0903759
Report Date: 04/06/09

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
N/A	Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0903759-01A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L0903759-02A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L0903759-03A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L0903759-04A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L0903759-05A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L0903759-06A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L0903759-07A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L0903759-08A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L0903759-09A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)

*Hold days indicated by values in parentheses

Project Name: ALVEREZ HS **Lab Number:** L0903759

Project Number: 14613.01 **Report Date:** 04/06/09

GLOSSARY

Acronyms

EPA · Environmental Protection Agency.

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

LCSD · Laboratory Control Sample Duplicate: Refer to LCS.

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

MSD · Matrix Spike Sample Duplicate: Refer to MS.

NA · Not Applicable.

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

ND · Not detected at the reported detection limit for the sample.

NI · Not Ignitable.

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

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

Terms

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

Data Qualifiers

***** · The batch duplicate RPD exceeds the acceptance criteria. This flag is not applicable when the sample concentrations are less than 5x the RDL. (Metals only.)

A · Spectra identified as "Aldol Condensation Product".

B · The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.

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

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

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

N · The matrix spike recovery exceeds the acceptance criteria. This flag is not applicable when the sample concentration is greater than 4x the spike added. (Metals only.)

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

R · Analytical results are from sample re-analysis.

RE · Analytical results are from sample re-extraction.

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

Report Format: Data Usability Report

Project Name:	ALVEREZ HS	**Lab Number:**	L0903759
Project Number:	14613.01	**Report Date:**	04/06/09

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certificate/Approval Program Summary

Last revised February 18, 2009 – Mansfield Facility

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

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

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

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

Florida Department of Health Certificate/Lab ID: E87814.

Non-Potable Water (Inorganic Parameters: SM2320B, 4500NH3-F, EPA 120.1, SM2510B, 2340B, EPA 245.1, EPA 365.2, EPA 150.1, 160.1, SM2540C, EPA 160.2, SM2540D, EPA 335.2, 420.1, SM2540G, EPA 180.1. Organic Parameters: EPA 624, 625, 608.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 9050, 7470, 7471, 9045, EPA 7.3.3.2, EPA 7.3.4.2, 9014, 9065. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

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

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

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

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

Maine Department of Human Services Certificate/Lab ID: MA0030.

Wastewater (Inorganic Parameters: EPA 120.1, 300.0, SM 2320, 2510B, 2540C, 2540D, EPA 245.1. Organic Parameters: 608, 624.)

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

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

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

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

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

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

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

Atmospheric Organic Parameters (EPA TO-15)

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

Non-Potable Water (Inorganic Parameters: EPA 310.1, SM2320B, EPA 365.2, 160.1, SM2540C, EPA 160.2, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 335.2, 9014, 150.1, 9040B, 120.1, SM2510B, EPA 376.2, 180.1, 9010B. Organic Parameters: EPA 624, 8260B, 8270C, 608, 8081A, 625, 8082, 3510C, 3511, 5030B.)

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

Air & Emissions (EPA TO-15.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299.

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

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

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

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7471. Organic Parameters: EPA 8015, 8270.)

Pennsylvania Department of Environmental Protection Certificate/Lab ID: 68-02089. Registered Laboratory.

U.S. Army Corps of Engineers

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

04060916:34

Date Rec'd in Lab:

ALPHA Job #: L0903759

Client Information

Client: EA Engineering
Address: 2350 Post Rd
Warwick, RE 02886
Phone: 401-736-3440
Fax: 401-736-3423
Email: rmack@eaest.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Alvarez HS
Project Location: Providence, RI
Project #: 14613.01
Project Manager: Mark Speer
ALPHA Quote #:

Turn-Around Time

☒ Standard 10 DAYS ☐ RUSH (only confirmed if pre-approved)
Date Due: Time:

Report Information - Data Deliverables

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

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria
CT	Target indoor air Concentrations	

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	ANALYSIS: TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
L0903759-1	Gymnasium	3/24/09	724	754	30	3	AA	DA/en	2.7L	318	0452		X						PID = .032 ppm
-2	Cafeteria		711	741	30	2				558	0116								.038
-3	Kitchen Storage		716	755	30	2				522	0061								0
-4	Elevator Hall		712	742	30	2				210	0025								.022
-5	RM 152		717	745	30	5				145	0048								.018
-6	RM 145		716	746	30	5				323	0360								.068
-7	RM 118		720	749	25	4				163	0173								.015
-8	RM 110		722	751	30	3				506	0409								.001
-9	Ambient Outdoor	↓	719	748	30	2	↓	↓	↓	402	0045		↓						0

*SAMPLE MATRIX CODES

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

Container Type: 5

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

Relinquished By:	Date/Time	Received By:	Date/Time:
Dan Banks	3/27 1330	Dan Banks	3/27/09 1330
	3/27/09 1435		3/27/09 1435

Form No: 101-02 (rev.1-Feb-08)

ANALYTICAL REPORT

Lab Number:	L0905469
Client:	EA Engineering, Science and Tech 2350 Post Road Warwick, RI 02886
ATTN:	Mark Speer
Project Name:	ALVEREZ HS
Project Number:	14613.01
Report Date:	05/07/09

Certifications & Approvals. MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

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

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0905469
Report Date: 05/07/09

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0905469-01	GYMNASIUM	PROVIDENCE, RI	04/29/09 07:43
L0905469-02	CAFETERIA	PROVIDENCE, RI	04/29/09 07:58
L0905469-03	KITCHEN STORAGE	PROVIDENCE, RI	04/29/09 08:00
L0905469-04	ELEVATOR HALLWAY	PROVIDENCE, RI	04/29/09 07:55
L0905469-05	RM 145	PROVIDENCE, RI	04/29/09 07:45
L0905469-06	RM 152	PROVIDENCE, RI	04/29/09 07:46
L0905469-07	RM 118	PROVIDENCE, RI	04/29/09 07:50
L0905469-08	RM 110	PROVIDENCE, RI	04/29/09 07:50
L0905469-09	AMBIENT OUTDOOR	PROVIDENCE, RI	04/29/09 09:22

Project Name:	ALVEREZ HS	**Lab Number:**	L0905469
Project Number:	14613.01	**Report Date:**	05/07/09

Case Narrative

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

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

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

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

Volatile Organics in Air by SIM

The WG361122-2 LCS recovery associated with L0905469-01 through -07, and -09, is below the acceptance criteria of 70-130% for trans-1,3-Dichloropropene (67%). The LCS was within overall method allowances, therefore the analysis proceeded.

The WG361122-6 LCS recovery associated with L0905469 -08 is above the acceptance criteria of 70-130% for Carbon tetrachloride (142%). The LCS was within overall method allowances, therefore the analysis proceeded.

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

Authorized Signature: 

Title: Technical Director/Representative Date: 05/07/09

AIR

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0905469
Report Date: 05/07/09

SAMPLE RESULTS

Lab ID: L0905469-01
Client ID: GYMNASIUM
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/04/09 17:35
Analyst: BS

Date Collected: 04/29/09 07:43
Date Received: 04/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
1,1,1-Trichloroethane	ND	0.020	ND	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	0.274	0.020	1.34	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	0.138	0.020	0.678	0.098		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	0.030	0.020	0.180	0.120		1
Benzene	0.104	0.070	0.332	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Carbon tetrachloride	0.095	0.020	0.597	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	ND	0.020	ND	0.098		1
Chloromethane	0.737	0.500	3.60	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0905469
Report Date: 05/07/09

SAMPLE RESULTS

Lab ID: L0905469-01
Client ID: GYMNASIUM
Sample Location: PROVIDENCE, RI
Date Collected: 04/29/09 07:43
Date Received: 04/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Dichlorodifluoromethane	0.497	0.050	2.46	0.247		1
Ethylbenzene	0.146	0.020	0.633	0.087		1
Methylene chloride	ND	0.500	ND	1.74		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
p/m-Xylene	0.541	0.040	2.35	0.174		1
o-Xylene	0.123	0.020	0.534	0.087		1
Styrene	ND	0.020	ND	0.085		1
Tetrachloroethene	ND	0.020	ND	0.136		1
Toluene	0.185	0.020	0.697	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	ND	0.020	ND	0.107		1
Trichlorofluoromethane	0.238	0.050	1.34	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	3.05	2.00	7.23	4.75		1
2-Butanone	ND	0.500	ND	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0905469
Report Date: 05/07/09

SAMPLE RESULTS

Lab ID: L0905469-02
Client ID: CAFETERIA
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/04/09 18:08
Analyst: BS

Date Collected: 04/29/09 07:58
Date Received: 04/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
1,1,1-Trichloroethane	ND	0.020	ND	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	0.075	0.020	0.368	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	0.039	0.020	0.192	0.098		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	0.024	0.020	0.144	0.120		1
Benzene	0.112	0.070	0.358	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Carbon tetrachloride	0.083	0.020	0.522	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	0.025	0.020	0.122	0.098		1
Chloromethane	0.597	0.500	2.91	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0905469
Report Date: 05/07/09

SAMPLE RESULTS

Lab ID: L0905469-02
Client ID: CAFETERIA
Sample Location: PROVIDENCE, RI

Date Collected: 04/29/09 07:58
Date Received: 04/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Dichlorodifluoromethane	0.458	0.050	2.26	0.247		1
Ethylbenzene	0.054	0.020	0.234	0.087		1
Methylene chloride	ND	0.500	ND	1.74		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
p/m-Xylene	0.169	0.040	0.733	0.174		1
o-Xylene	0.043	0.020	0.186	0.087		1
Styrene	ND	0.020	ND	0.085		1
Tetrachloroethene	ND	0.020	ND	0.136		1
Toluene	0.158	0.020	0.595	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	ND	0.020	ND	0.107		1
Trichlorofluoromethane	0.208	0.050	1.17	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	2.40	2.00	5.70	4.75		1
2-Butanone	ND	0.500	ND	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0905469
Report Date: 05/07/09

SAMPLE RESULTS

Lab ID: L0905469-03
Client ID: KITCHEN STORAGE
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/04/09 18:43
Analyst: BS

Date Collected: 04/29/09 08:00
Date Received: 04/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
1,1,1-Trichloroethane	0.022	0.020	0.120	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	0.031	0.020	0.152	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	ND	0.020	ND	0.098		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	0.041	0.020	0.246	0.120		1
Benzene	0.186	0.070	0.594	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Carbon tetrachloride	0.085	0.020	0.534	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	0.039	0.020	0.190	0.098		1
Chloromethane	0.556	0.500	2.71	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0905469
Report Date: 05/07/09

SAMPLE RESULTS

Lab ID: L0905469-03
Client ID: KITCHEN STORAGE
Sample Location: PROVIDENCE, RI

Date Collected: 04/29/09 08:00
Date Received: 04/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Dichlorodifluoromethane	0.507	0.050	2.50	0.247		1
Ethylbenzene	0.045	0.020	0.195	0.087		1
Methylene chloride	ND	0.500	ND	1.74		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
p/m-Xylene	0.105	0.040	0.456	0.174		1
o-Xylene	0.033	0.020	0.143	0.087		1
Styrene	0.121	0.020	0.515	0.085		1
Tetrachloroethene	ND	0.020	ND	0.136		1
Toluene	0.207	0.020	0.779	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	ND	0.020	ND	0.107		1
Trichlorofluoromethane	0.265	0.050	1.49	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	ND	2.00	ND	4.75		1
2-Butanone	ND	0.500	ND	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0905469
Report Date: 05/07/09

SAMPLE RESULTS

Lab ID: L0905469-04
Client ID: ELEVATOR HALLWAY
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/04/09 19:51
Analyst: BS

Date Collected: 04/29/09 07:55
Date Received: 04/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
1,1,1-Trichloroethane	ND	0.020	ND	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	0.244	0.020	1.20	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	0.128	0.020	0.629	0.098		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	0.029	0.020	0.174	0.120		1
Benzene	0.104	0.070	0.332	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Carbon tetrachloride	0.085	0.020	0.534	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	0.021	0.020	0.102	0.098		1
Chloromethane	0.764	0.500	3.73	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0905469
Report Date: 05/07/09

SAMPLE RESULTS

Lab ID: L0905469-04
Client ID: ELEVATOR HALLWAY
Sample Location: PROVIDENCE, RI
Date Collected: 04/29/09 07:55
Date Received: 04/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Dichlorodifluoromethane	0.469	0.050	2.32	0.247		1
Ethylbenzene	0.124	0.020	0.538	0.087		1
Methylene chloride	ND	0.500	ND	1.74		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
p/m-Xylene	0.450	0.040	1.95	0.174		1
o-Xylene	0.102	0.020	0.442	0.087		1
Styrene	ND	0.020	ND	0.085		1
Tetrachloroethene	ND	0.020	ND	0.136		1
Toluene	0.187	0.020	0.704	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	ND	0.020	ND	0.107		1
Trichlorofluoromethane	0.226	0.050	1.27	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	3.47	2.00	8.24	4.75		1
2-Butanone	ND	0.500	ND	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0905469
Report Date: 05/07/09

SAMPLE RESULTS

Lab ID: L0905469-05
Client ID: RM 145
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/04/09 20:26
Analyst: BS

Date Collected: 04/29/09 07:45
Date Received: 04/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
1,1,1-Trichloroethane	0 042	0.020	0.229	0.109		1
1,1,1,2-Tetrachloroethane	ND	0 020	ND	0 137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	0.022	0.020	0.108	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0 020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0 020	ND	0.092		1
1,3,5-Trimethylbenzene	ND	0.020	ND	0.098		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	0.034	0.020	0.204	0.120		1
Benzene	0.099	0.070	0.316	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Carbon tetrachloride	0.090	0.020	0.566	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	ND	0.020	ND	0.098		1
Chloromethane	0.567	0.500	2.77	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0905469
Report Date: 05/07/09

SAMPLE RESULTS

Lab ID: L0905469-05
Client ID: RM 145
Sample Location: PROVIDENCE, RI
Date Collected: 04/29/09 07:45
Date Received: 04/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Dichlorodifluoromethane	0.482	0.050	2.38	0.247		1
Ethylbenzene	0.032	0.020	0.139	0.087		1
Methylene chloride	ND	0.500	ND	1.74		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
p/m-Xylene	0.072	0.040	0.312	0.174		1
o-Xylene	0.024	0.020	0.104	0.087		1
Styrene	ND	0.020	ND	0.085		1
Tetrachloroethene	ND	0.020	ND	0.136		1
Toluene	0.163	0.020	0.614	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	ND	0.020	ND	0.107		1
Trichlorofluoromethane	0.226	0.050	1.27	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	3.19	2.00	7.57	4.75		1
2-Butanone	ND	0.500	ND	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0905469
Report Date: 05/07/09

SAMPLE RESULTS

Lab ID: L0905469-06
Client ID: RM 152
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/04/09 20:59
Analyst: BS

Date Collected: 04/29/09 07:46
Date Received: 04/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
1,1,1-Trichloroethane	0.032	0.020	0.174	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	0.020	0.020	0.098	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	0.020	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	ND	0.020	ND	0.098		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	0.028	0.020	0.168	0.120		1
Benzene	0.105	0.070	0.335	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Carbon tetrachloride	0.089	0.020	0.559	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	ND	0.020	ND	0.098		1
Chloromethane	0.607	0.500	2.96	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0905469
Report Date: 05/07/09

SAMPLE RESULTS

Lab ID: L0905469-06
Client ID: RM 152
Sample Location: PROVIDENCE, RI
Date Collected: 04/29/09 07:46
Date Received: 04/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Dichlorodifluoromethane	0.478	0.050	2.36	0.247		1
Ethylbenzene	0.035	0.020	0.152	0.087		1
Methylene chloride	ND	0.500	ND	1.74		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
p/m-Xylene	0.080	0.040	0.347	0.174		1
o-Xylene	0.025	0.020	0.108	0.087		1
Styrene	ND	0.020	ND	0.085		1
Tetrachloroethene	ND	0.020	ND	0.136		1
Toluene	0.162	0.020	0.610	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	ND	0.020	ND	0.107		1
Trichlorofluoromethane	0.230	0.050	1.29	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	4.05	2.00	9.61	4.75		1
2-Butanone	ND	0.500	ND	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0905469
Report Date: 05/07/09

SAMPLE RESULTS

Lab ID: L0905469-07
Client ID: RM 118
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/04/09 21:33
Analyst: BS

Date Collected: 04/29/09 07:50
Date Received: 04/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
1,1,1-Trichloroethane	ND	0.020	ND	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	0.039	0.020	0.192	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	0.022	0.020	0.089	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	0.020	0.020	0.098	0.098		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	0.035	0.020	0.210	0.120		1
Benzene	0.095	0.070	0.303	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Carbon tetrachloride	0.084	0.020	0.528	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	0.021	0.020	0.102	0.098		1
Chloromethane	0.641	0.500	3.13	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0905469
Report Date: 05/07/09

SAMPLE RESULTS

Lab ID: L0905469-07
Client ID: RM 118
Sample Location: PROVIDENCE, RI
Date Collected: 04/29/09 07:50
Date Received: 04/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Dichlorodifluoromethane	0.457	0.050	2.26	0.247		1
Ethylbenzene	0.045	0.020	0.195	0.087		1
Methylene chloride	ND	0.500	ND	1.74		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
p/m-Xylene	0.110	0.040	0.477	0.174		1
o-Xylene	0.038	0.020	0.165	0.087		1
Styrene	0.032	0.020	0.136	0.085		1
Tetrachloroethene	ND	0.020	ND	0.136		1
Toluene	0.278	0.020	1.05	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	ND	0.020	ND	0.107		1
Trichlorofluoromethane	0.211	0.050	1.18	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	8.08	2.00	19.2	4.75		1
2-Butanone	ND	0.500	ND	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0905469
Report Date: 05/07/09

SAMPLE RESULTS

Lab ID: L0905469-08
Client ID: RM 110
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/06/09 22:29
Analyst: BS

Date Collected: 04/29/09 07:50
Date Received: 04/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
1,1,1-Trichloroethane	0.028	0.020	0.153	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	ND	0.020	ND	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	ND	0.020	ND	0.098		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	0.028	0.020	0.168	0.120		1
Benzene	0.112	0.070	0.358	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Carbon tetrachloride	0.099	0.020	0.622	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	ND	0.020	ND	0.098		1
Chloromethane	0.546	0.500	2.66	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0905469
Report Date: 05/07/09

SAMPLE RESULTS

Lab ID: L0905469-08
Client ID: RM 110
Sample Location: PROVIDENCE, RI
Date Collected: 04/29/09 07:50
Date Received: 04/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Dichlorodifluoromethane	0.469	0.050	2.32	0.247		1
Ethylbenzene	0.032	0.020	0.139	0.087		1
Methylene chloride	ND	0.500	ND	1.74		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
p/m-Xylene	0.071	0.040	0.308	0.174		1
o-Xylene	0.023	0.020	0.10	0.087		1
Styrene	ND	0.020	ND	0.085		1
Tetrachloroethene	ND	0.020	ND	0 136		1
Toluene	0.158	0.020	0.595	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	ND	0.020	ND	0.107		1
Trichlorofluoromethane	0.212	0.050	1.19	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	3.97	2.00	9.42	4.75		1
2-Butanone	ND	0.500	ND	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0905469
Report Date: 05/07/09

SAMPLE RESULTS

Lab ID: L0905469-09
Client ID: AMBIENT OUTDOOR
Sample Location: PROVIDENCE, RI
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/04/09 22:10
Analyst: BS

Date Collected: 04/29/09 09:22
Date Received: 04/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
1,1,1-Trichloroethane	0.050	0.020	0.272	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	0.029	0.020	0.142	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	ND	0.020	ND	0.098		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	0.061	0.020	0.366	0.120		1
Benzene	0.110	0.070	0.351	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Carbon tetrachloride	0.082	0.020	0.515	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	ND	0.020	ND	0.098		1
Chloromethane	0.515	0.500	2.51	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0905469
Report Date: 05/07/09

SAMPLE RESULTS

Lab ID: L0905469-09
Client ID: AMBIENT OUTDOOR
Sample Location: PROVIDENCE, RI
Date Collected: 04/29/09 09:22
Date Received: 04/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Dichlorodifluoromethane	0.437	0.050	2.16	0.247		1
Ethylbenzene	0.041	0.020	0.178	0.087		1
Methylene chloride	ND	0.500	ND	1.74		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
p/m-Xylene	0.102	0.040	0.442	0.174		1
o-Xylene	0.036	0.020	0.156	0.087		1
Styrene	ND	0.020	ND	0.085		1
Tetrachloroethene	ND	0.020	ND	0.136		1
Toluene	0.253	0.020	0.953	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	ND	0.020	ND	0.107		1
Trichlorofluoromethane	0.212	0.050	1.19	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	3.25	2.00	7.70	4.75		1
2-Butanone	ND	0.500	ND	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0905469
Report Date: 05/07/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 05/04/09 17:01

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-07,09 Batch: WG361122-3						
1,1,1-Trichloroethane	ND	0.020	ND	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	ND	0.020	ND	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	ND	0.020	ND	0.098		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	ND	0.020	ND	0.120		1
Benzene	ND	0.070	ND	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Carbon tetrachloride	ND	0.020	ND	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	ND	0.020	ND	0.098		1
Chloromethane	ND	0.500	ND	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0905469
Report Date: 05/07/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 05/04/09 17:01

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-07,09 Batch: WG361122-3						
Dichlorodifluoromethane	ND	0.050	ND	0.247		1
Ethylbenzene	ND	0.020	ND	0.087		1
Methylene chloride	ND	0.500	ND	1.74		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
p/m-Xylene	ND	0.040	ND	0.174		1
o-Xylene	ND	0.020	ND	0.087		1
Styrene	ND	0.020	ND	0.085		1
Tetrachloroethene	ND	0.020	ND	0.136		1
Toluene	ND	0.020	ND	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	ND	0.020	ND	0.107		1
Trichlorofluoromethane	ND	0.050	ND	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	ND	2.00	ND	4.75		1
2-Butanone	ND	0.500	ND	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0905469
Report Date: 05/07/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 05/06/09 17:02

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 08 Batch: WG361122-7						
1,1,1-Trichloroethane	ND	0.020	ND	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	ND	0.020	ND	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	ND	0.020	ND	0.098		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	ND	0.020	ND	0.120		1
Benzene	ND	0.070	ND	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Carbon tetrachloride	ND	0.020	ND	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	ND	0.020	ND	0.098		1
Chloromethane	ND	0.500	ND	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0905469
Report Date: 05/07/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 05/06/09 17:02

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 08 Batch: WG361122-7						
Dichlorodifluoromethane	ND	0.050	ND	0.247		1
Ethylbenzene	ND	0.020	ND	0.087		1
Methylene chloride	ND	0.500	ND	1.74		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
p/m-Xylene	ND	0.040	ND	0.174		1
o-Xylene	ND	0.020	ND	0.087		1
Styrene	ND	0.020	ND	0.085		1
Tetrachloroethene	ND	0.020	ND	0.136		1
Toluene	ND	0.020	ND	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	ND	0.020	ND	0.107		1
Trichlorofluoromethane	ND	0.050	ND	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	ND	2.00	ND	4.75		1
2-Butanone	ND	0.500	ND	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0905469
Report Date: 05/07/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab	**Associated sample(s): 01-07,09**	**Batch: WG361122-2**			
1,1,1-Trichloroethane	113	-	70-130	-	
1,1,1,2-Tetrachloroethane	87	-	70-130	-	
1,1,2,2-Tetrachloroethane	90	-	70-130	-	
1,1,2-Trichloroethane	98	-	70-130	-	
1,1-Dichloroethane	105	-	70-130	-	
1,1-Dichloroethene	105	-	70-130	-	
1,2,4-Trimethylbenzene	80	-	70-130	-	
1,2-Dibromoethane	86	-	70-130	-	
1,2-Dichlorobenzene	78	-	70-130	-	
1,2-Dichloroethane	104	-	70-130	-	
1,2-Dichloropropane	99	-	70-130	-	
1,3,5-Trimethylbenzene	81	-	70-130	-	
1,3-Dichlorobenzene	80	-	70-130	-	
1,4-Dichlorobenzene	79	-	70-130	-	
Benzene	89	-	70-130	-	
Bromodichloromethane	107	-	70-130	-	
Bromoform	89	-	70-130	-	
Carbon tetrachloride	117	-	70-130	-	
Chlorobenzene	91	-	70-130	-	
Chloroethane	104	-	70-130	-	
Chloroform	111	-	70-130	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0905469
Report Date: 05/07/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-07,09 Batch: WG361122-2					
Chloromethane	110	-	70-130	-	
cis-1,2-Dichloroethene	107	-	70-130	-	
cis-1,3-Dichloropropene	86	-	70-130	-	
Dibromochloromethane	101	-	70-130	-	
Dichlorodifluoromethane	107	-	70-130	-	
Ethylbenzene	86	-	70-130	-	
Methylene chloride	101	-	70-130	-	
Methyl tert butyl ether	91	-	70-130	-	
p/m-Xylene	85	-	70-130	-	
o-Xylene	87	-	70-130	-	
Styrene	77	-	70-130	-	
Tetrachloroethene	101	-	70-130	-	
Toluene	85	-	70-130	-	
trans-1,2-Dichloroethene	100	-	70-130	-	
trans-1,3-Dichloropropene	67	-	70-130	-	
Trichloroethene	105	-	70-130	-	
Trichlorofluoromethane	109	-	70-130	-	
Vinyl chloride	106	-	70-130	-	
Acrylonitrile	76	-	70-130	-	
n-Butylbenzene	78	-	70-130	-	
sec-Butylbenzene	78	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALVEREZ HS

Project Number: 14613.01

Lab Number: L0905469

Report Date: 05/07/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-07,09 Batch: WG361122-2					
Isopropylbenzene	84	-	70-130	-	
p-Isopropyltoluene	71	-	70-130	-	
Acetone	93	-	70-130	-	
2-Butanone	98	-	70-130	-	
4-Methyl-2-pentanone	91	-	70-130	-	
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 08 Batch: WG361122-6					
1,1,1-Trichloroethane	130	-	70-130	-	
1,1,1,2-Tetrachloroethane	94	-	70-130	-	
1,1,2,2-Tetrachloroethane	108	-	70-130	-	
1,1,2-Trichloroethane	122	-	70-130	-	
1,1-Dichloroethane	101	-	70-130	-	
1,1-Dichloroethene	106	-	70-130	-	
1,2,4-Trimethylbenzene	96	-	70-130	-	
1,2-Dibromoethane	93	-	70-130	-	
1,2-Dichlorobenzene	96	-	70-130	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0905469
Report Date: 05/07/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 08 Batch: WG361122-6					
1,2-Dichloroethane	98	-	70-130	-	
1,2-Dichloropropane	114	-	70-130	-	
1,3,5-Trimethylbenzene	94	-	70-130	-	
1,3-Dichlorobenzene	97	-	70-130	-	
1,4-Dichlorobenzene	97	-	70-130	-	
Benzene	98	-	70-130	-	
Bromodichloromethane	119	-	70-130	-	
Bromoform	91	-	70-130	-	
Carbon tetrachloride	142	-	70-130	-	
Chlorobenzene	97	-	70-130	-	
Chloroethane	103	-	70-130	-	
Chloroform	111	-	70-130	-	
Chloromethane	111	-	70-130	-	
cis-1,2-Dichloroethene	105	-	70-130	-	
cis-1,3-Dichloropropene	103	-	70-130	-	
Dibromochloromethane	98	-	70-130	-	
Dichlorodifluoromethane	106	-	70-130	-	
Ethylbenzene	97	-	70-130	-	
Methylene chloride	104	-	70-130	-	
Methyl tert butyl ether	95	-	70-130	-	
p/m-Xylene	98	-	70-130	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0905469
Report Date: 05/07/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 08 Batch: WG361122-6					
o-Xylene	101	-	70-130	-	
Styrene	89	-	70-130	-	
Tetrachloroethene	100	-	70-130	-	
Toluene	87	-	70-130	-	
trans-1,2-Dichloroethene	96	-	70-130	-	
trans-1,3-Dichloropropene	89	-	70-130	-	
Trichloroethene	122	-	70-130	-	
Trichlorofluoromethane	109	-	70-130	-	
Vinyl chloride	104	-	70-130	-	
Acrylonitrile	82	-	70-130	-	
n-Butylbenzene	102	-	70-130	-	
sec-Butylbenzene	94	-	70-130	-	
Isopropylbenzene	97	-	70-130	-	
p-Isopropyltoluene	87	-	70-130	-	
Acetone	102	-	70-130	-	
2-Butanone	108	-	70-130	-	
4-Methyl-2-pentanone	122	-	70-130	-	

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0905469
Report Date: 05/07/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG361122-4 QC Sample: L0905469-03 Client ID: KITCHEN STORAGE					
1,1,1-Trichloroethane	0.022	0.022	ppbV	0	25
1,1,1,2-Tetrachloroethane	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
1,1-Dichloroethane	ND	ND	ppbV	NC	25
1,1-Dichloroethene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	0.031	0.037	ppbV	18	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	0.041	0.051	ppbV	22	25
Benzene	0.186	0.173	ppbV	7	25
Bromodichloromethane	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Carbon tetrachloride	0.085	0.087	ppbV	2	25
Chlorobenzene	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0905469
Report Date: 05/07/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG361122-4 QC Sample: L0905469-03 Client ID: KITCHEN STORAGE					
Chloroethane	ND	ND	ppbV	NC	25
Chloroform	0.039	0.037	ppbV	5	25
Chloromethane	0.556	0.564	ppbV	1	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
Dichlorodifluoromethane	0.507	0.517	ppbV	2	25
Ethylbenzene	0.045	0.045	ppbV	0	25
Methylene chloride	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
p/m-Xylene	0.105	0.107	ppbV	2	25
o-Xylene	0.033	0.034	ppbV	3	25
Styrene	0.121	0.138	ppbV	13	25
Tetrachloroethene	ND	ND	ppbV	NC	25
Toluene	0.207	0.200	ppbV	3	25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
Trichlorofluoromethane	0.265	0.272	ppbV	3	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0905469
Report Date: 05/07/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield **Lab Associated sample(s): 01-09 QC Batch ID: WG361122-4 QC Sample: L0905469-03 Client ID: KITCHEN STORAGE**					
Vinyl chloride	ND	ND	ppbV	NC	25
Acrylonitrile	ND	ND	ppbV	NC	25
n-Butylbenzene	ND	ND	ppbV	NC	25
sec-Butylbenzene	ND	ND	ppbV	NC	25
Isopropylbenzene	ND	ND	ppbV	NC	25
p-Isopropyltoluene	ND	ND	ppbV	NC	25
Acelone	ND	ND	ppbV	NC	25
2-Butanone	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0905469
Report Date: 05/07/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG361122-8 QC Sample: L0905467-04 Client ID: DUP Sample					
1,1,1-Trichloroethane	0.035	0.030	ppbV	15	25
1,1,1,2-Tetrachloroethane	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
1,1-Dichloroethane	ND	ND	ppbV	NC	25
1,1-Dichloroethene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	0.163	0 153	ppbV	6	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichloroethane	0.022	0.020	ppbV	10	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	0.049	0.045	ppbV	9	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	0.707	0.696	ppbV	2	25
Benzene	0.115	0.099	ppbV	15	25
Bromodichloromethane	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Carbon tetrachloride	0.104	0.090	ppbV	14	25
Chlorobenzene	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0905469
Report Date: 05/07/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG361122-8 QC Sample: L0905467-04 Client ID: DUP Sample					
Chloroethane	ND	ND	ppbV	NC	25
Chloroform	0.274	0.253	ppbV	8	25
Chloromethane	ND	ND	ppbV	NC	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
Dichlorodifluoromethane	0.486	0.456	ppbV	6	25
Ethylbenzene	0.075	0.072	ppbV	4	25
Methylene chloride	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
p/m-Xylene	0.244	0.234	ppbV	4	25
o-Xylene	0.115	0.109	ppbV	5	25
Styrene	0.057	0.055	ppbV	4	25
Tetrachloroethene	0.102	0.099	ppbV	3	25
Toluene	1.21	1.16	ppbV	4	25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Trichloroethene	0.551	0.485	ppbV	13	25
Trichlorofluoromethane	0.564	0.530	ppbV	6	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0905469
Report Date: 05/07/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG361122-8 QC Sample: L0905467-04 Client ID: DUP Sample					
Vinyl chloride	ND	ND	ppbV	NC	25
Acrylonitrile	ND	ND	ppbV	NC	25
n-Butylbenzene	ND	ND	ppbV	NC	25
sec-Butylbenzene	ND	ND	ppbV	NC	25
Isopropylbenzene	ND	ND	ppbV	NC	25
p-Isopropyltoluene	ND	ND	ppbV	NC	25
Acetone	9.32	8.10	ppbV	14	25
2-Butanone	1.04	0.899	ppbV	15	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25

Project Name: ALVEREZ HS **Lab Number:** L0905469

Project Number: 14613.01 **Report Date:** 05/07/09

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Cleaning Batch ID	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Out mL/min	Flow In mL/min	% RSD
L0905469-01	GYMNASIUM	0270	#90 SV		-	-	174	175	1
L0905469-01	GYMNASIUM	985	6.0L Can	I0904159	-29.2	0.7	-	-	-
L0905469-02	CAFETERIA	0045	#90 SV		-	-	176	176	0
L0905469-02	CAFETERIA	811	6.0L Can	I0904269	-29.9	0.7	-	-	-
L0905469-03	KITCHEN STORAGE	0019	#16 SV		-	-	171	158	8
L0905469-03	KITCHEN STORAGE	1641	6.0L Can	I0904159	-29.9	0.4	-	-	-
L0905469-04	ELEVATOR HALLWAY	0289	#90 SV		-	-	170	169	1
L0905469-04	ELEVATOR HALLWAY	1647	6.0L Can	I0904159	-29.9	0.4	-	-	-
L0905469-05	RM 145	0404	#90 SV		-	-	173	180	4
L0905469-05	RM 145	639	6.0L Can	I0904159	-29.4	0.7	-	-	-
L0905469-06	RM 152	1517	6.0L Can	I0904159	-29.4	0.7	-	-	-
L0905469-07	RM 118	0036	#90 SV		-	-	173	170	2
L0905469-07	RM 118	771	6.0L Can	I0904269	-29.4	0.7	-	-	-
L0905469-08	RM 110	0272	#90 SV		-	-	175	172	2
L0905469-08	RM 110	951	6.0L Can	I0904269	-29.4	0.7	-	-	-
L0905469-09	AMBIENT OUTDOOR	969	6.0L Can	I0904269	-29.9	-18.9	-	-	-

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0905469
Report Date: 05/07/09

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
N/A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0905469-01A	Canister - 6 Liter	N/A	NA		NA	Absent	TO15-SIM(30)
L0905469-02A	Canister - 6 Liter	N/A	NA		NA	Absent	TO15-SIM(30)
L0905469-03A	Canister - 6 Liter	N/A	NA		NA	Absent	TO15-SIM(30)
L0905469-04A	Canister - 6 Liter	N/A	NA		NA	Absent	TO15-SIM(30)
L0905469-05A	Canister - 6 Liter	N/A	NA		NA	Absent	TO15-SIM(30)
L0905469-06A	Canister - 6 Liter	N/A	NA		NA	Absent	TO15-SIM(30)
L0905469-07A	Canister - 6 Liter	N/A	NA		NA	Absent	TO15-SIM(30)
L0905469-08A	Canister - 6 Liter	N/A	NA		NA	Absent	TO15-SIM(30)
L0905469-09A	Canister - 6 Liter	N/A	NA		NA	Absent	TO15-SIM(30)

*Hold days indicated by values in parentheses

Project Name:	ALVEREZ HS	**Lab Number:**	L0905469
Project Number:	14613.01	**Report Date:**	05/07/09

GLOSSARY

Acronyms

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

Terms

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

Data Qualifiers

*	· The batch duplicate RPD exceeds the acceptance criteria. This flag is not applicable when the sample concentrations are less than 5x the RDL. (Metals only.)
A	· Spectra identified as "Aldol Condensation Product".
B	· The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.
D	· Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	· Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	· The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
N	· The matrix spike recovery exceeds the acceptance criteria. This flag is not applicable when the sample concentration is greater than 4x the spike added. (Metals only.)
P	· The RPD between the results for the two columns exceeds the method-specified criteria.
R	· Analytical results are from sample re-analysis.
RE	· Analytical results are from sample re-extraction.
J	· Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

Report Format: Data Usability Report

Project Name:	ALVEREZ HS	**Lab Number:**	L0905469
Project Number:	14613.01	**Report Date:**	05/07/09

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certificate/Approval Program Summary

Last revised February 18, 2009 – Mansfield Facility

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

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

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

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

Florida Department of Health Certificate/Lab ID: E87814.

Non-Potable Water (Inorganic Parameters: SM2320B, 4500NH3-F, EPA 120.1, SM2510B, 2340B, EPA 245.1, EPA 365.2, EPA 150.1, 160.1, SM2540C, EPA 160.2, SM2540D, EPA 335.2, 420.1, SM2540G, EPA 180.1. Organic Parameters: EPA 624, 625, 608.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 9050, 7470, 7471, 9045, EPA 7.3.3.2, EPA 7.3.4.2, 9014, 9065. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

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

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

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

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

Maine Department of Human Services Certificate/Lab ID: MA0030.

Wastewater (Inorganic Parameters: EPA 120.1, 300.0, SM 2320, 2510B, 2540C, 2540D, EPA 245.1. Organic Parameters: 608, 624.)

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

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

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

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

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

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

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

Atmospheric Organic Parameters (EPA TO-15)

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

Non-Potable Water (Inorganic Parameters: EPA 310.1, SM2320B, EPA 365.2, 160.1, SM2540C, EPA 160.2, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 335.2, 9014, 150.1, 9040B, 120.1, SM2510B, EPA 376.2, 180.1, 9010B. Organic Parameters: EPA 624, 8260B, 8270C, 608, 8081A, 625, 8082, 3510C, 3511, 5030B.)

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

Air & Emissions (EPA TO-15.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299.

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

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

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

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7471. Organic Parameters: EPA 8015, 8270.)

Pennsylvania Department of Environmental Protection Certificate/Lab ID: 68-02089. Registered Laboratory.

U.S. Army Corps of Engineers

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

05070917:21

Date Rec'd in Lab: 4/30/09

ALPHA Job #: L0905469

Client Information

Client: EA Engineering
Address: 2350 Post Rd
Warwick, RI 02886
Phone: 401-736-3440
Fax: 401-736-3423
Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Alvarez H.S.
Project Location: Providence, RI
Project #: 14613.01
Project Manager: Mark K Speer
ALPHA Quote #:

Turn-Around Time

☒ Standard 10 DAYS ☐ RUSH (only confirmed if pre-approved)

Date Due: 5/7/09 Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker: _____
(Default based on Regulatory Criteria Indicated)
Other Formats: _____
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:

Report to: (if different than Project Manager)
rmack@eaest.com
mspeer@eaest.com

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria
CT	TARGET INDOOR AIR CONCENTRATIONS	

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	ANALYSIS: TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
5469.1	Gymnasium	4/29	7:13	7:43	-30	-2	AA	DA/DS	6L	2835	0270			X					PID = 0.067ppm
2	Cafeteria		7:24	7:58	-30	-1				2991	0045								0.028
3	Kitchen Storage		7:26	8:00	-29	-1				7613	0019								0.004
4	Elevator Hallway		7:23	7:55	-30	-1				7623	0289								0.053
5	RM 145		7:15	7:45	-30	-2				3993	0404								0
6	RM 152		7:16	7:46	-30	-1				7540	0062								0
7	RM 118		7:19	7:50	-30+	-4				3994	0036								0
8	RM 110		7:20	7:50	-30	-1				4006	0272								0
9	Ambient Outdoor	↓	8:49	9:22	-29	-28*	↓	↓	↓	6872	*0005			↓					0
																			*Flow Regulator still had vac. after 24HR composite

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

Container Type

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

Relinquished By:	Date/Time	Received By:	Date/Time:
	4/30/09 1620		4/30/09 1620
	4/30/09 1800		4/30/09 1800
	5-1-09 1210		5-1-09 1210
Paul Gillett	5-1-09 8120	Paul Gillett	5/1/09 1820

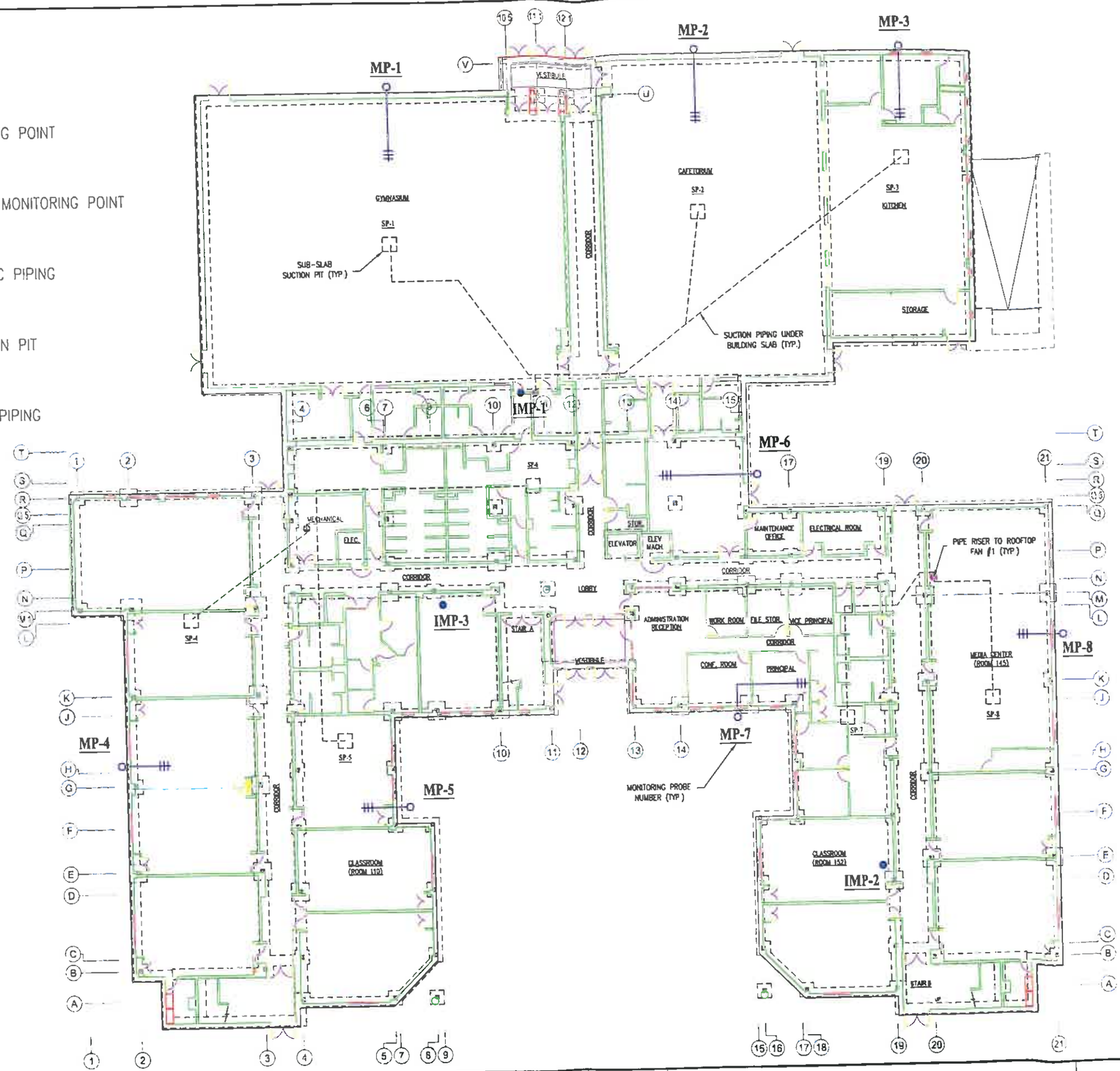
Form No: 101-02 (rev.1-Feb-08)

Appendix C

Sub-Slab Air Analytical Summary and Lab Reports

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



EA®	DESIGNED BY PMG	DRAWN BY DMA	DATE AUG 27 2007	PROJECT NO. 61965.01	FILE NAME AS-BUILT08-07	AS-BUILT SUB SLAB MONITORING AND SAMPLING LOCATIONS ADELAIDE AVE HIGH SCHOOL PROVIDENCE, RHODE ISLAND
	CHECKED BY PMG	PROJECT MGR. PMG	SCALE NTS	DRAWING NO. 2 OF 3	FIGURE N/A	

QUARTERLY STATUS REPORT
APPENDIX C

Summary of Sub-Slab Air Sampling Data - Adelaide Avenue School Project - Volatile Organic Compounds
March 2007 - April 2009

Volatile Organic Compounds via TO-15	Sample Date	MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	MP-1	Qual	MP-2	Qual	MP-3	Qual
1,1,1-Trichloroethane	15-Mar-07	490 000	U	470 000	U	470 000	U	470 000	U	460 000	U	180 000	U	72 000	U	200 000	U	NS		NS		NS	
	22-Mar-07	68 100	U	68 100	U	68 100	U	68 100	U	68 100	U	68 100	U	68 100	U	27 200	U	NS		NS		NS	
	26-Apr-07	27 200	U	27 200	U	27 200	U	27 200	U	27 200	U	27 200	U	27 200	U	27 200	U	NS		NS		NS	
	21-May-07	48 600	U	27 200	U	27 200	U	49 000	U	27 200	U	27 200	U	2 720	U	27 200	U	NS		NS		NS	
	28-Jun-07	6 550	U	6 550	U	6 550	U	6 550	U	6 550	U	6 100	U	6 550	U	6 550	U	NS		NS		NS	
	30-Jul-07	6 550	U	NS		NS		1 100	U	NS		6 550	U	2 700	U	NS		NS		NS		NS	
	22-Aug-07	NS		NS		1 090	U	NS		2 720	U	NS		NS		NS		1 090	U	0 474		NS	
	20-Sep-07	NS		2 720	U	NS		NS		NS		NS		NS		2 720	U	NS		1 190		0 112	
	9-Oct-07	2 720	U	NS		NS		NS		0 545	U	NS		NS		NS		0 189		NS		0 109	U
	7-Nov-07	NS		0 130		NS		NS		NS		0 110	U	NS		NS		0 110	U	1 600		NS	
	5-Dec-07	NS		NS		0 110	U	NS		NS		NS		0 110	U	NS		NS		0 340		0 840	
	8-Jan-08	NS		NS		NS		0 140		NS		NS		NS		0 110	U	0 110	U	NS		0 480	
	6-Feb-08	0 110	U	NS		NS		NS		0 110	U	NS		NS		NS		0 110	U	0 560		NS	
	27-Mar-08	NS		0 109	U	NS		NS		NS		0 109	U	NS		NS		NS		NS		0 523	
	25-Apr-08	NS		NS		0 109	U	NS		NS		NS		0 109	U	NS		0 109	U	NS		0 119	
	29-May-08	NS		NS		NS		0 120		NS		NS		NS		NS		0 110	U	0 110	U	0 540	
	27-Jun-08	0 170	U	NS		NS		NS		0 458		NS		NS		NS		NS		0 377		0 138	
	31-Jul-08	NS		0 109	U	NS		NS		NS		NS		NS		NS		0 109	U	NS		0 109	U
	28-Aug-08	NS		NS		0 109	U	NS		NS		NS		0 153		NS		0 109	U	0 492		NS	
	30-Sep-08	NS		NS		NS		2 700	U	NS		NS		NS		2 700	U	NS		2 700	U	2 700	U
	27-Oct-08	3 400	U	NS		NS		NS		3 400	U	NS		NS		NS		3 400	U	NS		3 400	U
	25-Nov-08	NS		2 700	U	NS		NS		NS		2 700	U	NS		NS		2 700	U	2 700	U	NS	
	18-Dec-08	NS		NS		2 700	U	NS		NS		NS		2 700	U	NS		NS		2 700	U	2 700	U
	21-Jan-09	NS		NS		NS		2 700	U	NS		NS		NS		2 700	U	2 700	U	NS		2 700	U
	25-Feb-09	2 700	U	NS		NS		NS		2 700	U	NS		NS		NS		2 700	U	NS		NS	
	26-Mar-09	NS		1 580		NS		NS		NS		1 080	U	NS		NS		NS		0 582		0 213	
	29-Apr-09			0 174										0 147				0 158				0 191	
1,1,2-Trichloroethane	15-Mar-07	620 000	U	580 000	U	580 000	U	600 000	U	580 000	U	240 000	U	91 000	U	260 000	U	NS		NS		NS	
	22-Mar-07	85 700	U	85 700	U	85 700	U	85 700	U	85 700	U	85 700	U	85 700	U	34 300	U	NS		NS		NS	
	26-Apr-07	34 300	U	34 300	U	34 300	U	34 300	U	34 300	U	34 300	U	34 300	U	34 300	U	NS		NS		NS	
	21-May-07	62 400	U	34 300	U	34 300	U	60 400	U	34 300	U	34 300	U	3 430	U	34 300	U	NS		NS		NS	
	28-Jun-07	8 890	U	8 890	U	8 890	U	8 890	U	8 890	U	1 400	U	8 890	U	8 890	U	NS		NS		NS	
	30-Jul-07	8 890	U	NS		NS		1 400	U	NS		8 890	U	3 400	U	NS		NS		NS		NS	
	22-Aug-07	NS		NS		1 370	U	NS		3 430	U	NS		NS		NS		1 370	U	0 140	U	NS	
	20-Sep-07	NS		3 430	U	NS		NS		NS		NS		NS		NS		NS		0 140	U	0 140	U
	9-Oct-07	3 430	U	NS		NS		NS		0 686	U	NS		NS		NS		0 137	U	NS		0 137	U
	7-Nov-07	NS		0 140	U	NS		NS		NS		0 140	U	NS		NS		0 140	U	0 140	U	NS	
	5-Dec-07	NS		NS		0 140	U	NS		NS		NS		0 140	U	NS		NS		0 140	U	0 140	U
	8-Jan-08	NS		NS		NS		0 140	U	NS		NS		NS		0 140	U	0 140	U	NS		0 140	U
	6-Feb-08	0 140	U	NS		NS		NS		0 140	U	NS		NS		NS		0 140	U	0 140	U	NS	
	27-Mar-08	NS		0 137	U	NS		NS		NS		0 137	U	NS		NS		NS		0 137	U	0 137	U
	25-Apr-08	NS		NS		0 137	U	NS		NS		NS		0 137	U	NS		0 137	U	NS		0 137	U
	29-May-08	NS		NS		NS		0 140	U	NS		NS		NS		0 140	U	0 140	U	0 140	U	NS	
	27-Jun-08	0 214	U	NS		NS		NS		0 137	U	NS		NS		NS		NS		0 137	U	0 137	U
	31-Jul-08	NS		0 137	U	NS		NS		NS		NS		NS		NS		0 137	U	NS		0 137	U
	28-Aug-08	NS		NS		0 137	U	NS		NS		NS		0 137	U	NS		0 137	U	0 137	U	NS	
	30-Sep-08	NS		NS		NS		0 140	U	NS		NS		NS		0 140	U	NS		0 140	U	0 140	U
	27-Oct-08	0 140	U	NS		NS		NS		0 140	U	NS		NS		NS		0 140	U	NS		0 140	U
	25-Nov-08	NS		0 140	U	NS		NS		NS		0 140	U	NS		NS		0 140	U	0 140	U	NS	
	18-Dec-08	NS		NS		0 140	U	NS		NS		NS		0 140	U	NS		NS		0 140	U	0 140	U
	21-Jan-09	NS		NS		NS		0 180		NS		NS		NS		0 140	U	0 140	U	NS		0 140	U
	25-Feb-09	0 140	U	NS		NS		NS		0 140	U	NS		NS		NS		0 140	U	0 140	U	NS	
	26-Mar-09	NS		0 686	U	NS		NS		NS		1 370	U	NS		NS		NS		0 137	U	0 137	U
	29-Apr-09					0 137	U							0 137	U			0 137	U			0 137	U
1,1,2,2-Tetrachloroethane	15-Mar-07	620 000	U	580 000	U	580 000	U	600 000	U	580 000	U	240 000	U	91 000	U	260 000	U	NS		NS		NS	
	22-Mar-07	85 700	U	85 700	U	85 700	U	85 700	U	85 700	U	85 700	U	85 700	U	34 300	U	NS		NS		NS	
	26-Apr-07	34 300	U	34 300	U	34 300	U	34 300	U	34 300	U	34 300	U	34 300	U	34 300	U	NS		NS		NS	
	21-May-07	62 400	U	34 300	U	34 300	U	60 400	U	34 300	U	34 300	U	3 430	U	34 300	U	NS		NS		NS	
	28-Jun-07	8 890	U	8 890	U	8 890	U	8 890	U	8 890	U	1 400	U	8 890	U	8 890	U	NS		NS		NS	
	30-Jul-07	8 890	U	NS		NS		1 400	U	NS		8 890	U	3 400	U	NS		NS		NS		NS	
	22-Aug-07	NS		NS		1 370	U	NS		3 430	U	NS		NS		NS		1 370	U	0 140	U	NS	
	20-Sep-07	NS		3 430	U	NS		NS		NS		NS		NS		NS		NS		0 140	U	0 140	U
	9-Oct-07	3 430	U	NS		NS		NS		0 686	U	NS		NS		NS		0 137	U	NS		0 137	U
	7-Nov-07	NS		0 140	U	NS		NS		NS		0 140	U	NS		NS		0 140	U	0 140	U	NS	
	5-Dec-07	NS		NS		0 140	U	NS		NS		NS		0 140	U	NS		NS		0 140	U	0 140	U
	8-Jan-08	NS		NS		NS		0 140	U	NS		NS		NS		0 140	U	0 140	U	NS		0 140	U
	6-Feb-08	0 140	U	NS		NS		NS		0 140	U	NS		NS		NS		0 140	U	0 140	U	NS	
	27-Mar-08	NS		0 137	U	NS		NS		NS		0 137	U	NS		NS		NS		0 137	U	0 137	U
	25-Apr-08	NS		NS		0 137	U	NS		NS		NS		0 137	U	NS		0 137	U	NS		0 137	U
	29-May-08	NS		NS		NS		0 140	U	NS		NS		NS		0 140	U	0 140	U	0 140	U	NS	
	27-Jun-08	0 214	U	NS		NS		NS		0 137	U	NS		NS		NS		NS		0 137	U	0 137	U
	31-Jul-08	NS		0 137	U	NS		NS		NS		NS		NS		NS		0 137	U	NS		0 137	U
	28-Aug-08	NS		NS		0 137	U	NS		NS		NS		0 137	U	NS		0 137	U	0 137	U	NS	
	30-Sep-08	NS		NS		NS		0 140	U	NS		NS		NS		0 140	U	NS		0 140	U	0 140	U
	27-Oct-08	0 140	U	NS		NS		NS		0 140	U	NS		NS		NS		0 140	U	NS		0 140	U
	25-Nov-08	NS		0 140	U	NS		NS		NS		0 140	U	NS		NS		0 140	U	0 140	U	NS	
	18-Dec-08	NS		NS		0 140	U	NS		NS		NS		0 140	U	NS		NS		0 140	U	0 140	U
	21-Jan-09	NS		NS		NS		0 140	U	NS		NS		NS		0 140	U	0 140	U	NS		0 140	U
	25-Feb-09	0 140	U	NS		NS		NS		0 140	U	NS		NS		NS		0 140	U	0 140	U	NS	
	26-Mar-09	NS		0 686	U	NS		NS		NS		1 370	U	NS		NS		NS		0 137	U	0 137	U
	29-Apr-09					0 137	U							0 137	U			0 137	U			0 137	U

Date Modified 6/23/2009

Summary of Sub-Slab Air Sampling Data - Adelaide Avenue School Project - Volatile Organic Compounds
March 2007 - April 2009

Volatile Organic Compounds via TO-15	Sample Date	MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	MP-9	Qual	MP-2	Qual	MP-3	Qual
1,1,2-Trichloroethane	15-Mar-07	490.000	U	470.000	U	470.000	U	470.000	U	460.000	U	190.000	U	72.000	U	200.000	U	NS		NS		NS	
	22-Mar-07	58.100	U	58.100	U	58.100	U	58.100	U	58.100	U	58.100	U	58.100	U	29.200	U	NS		NS		NS	
	26-Apr-07	27.200	U	27.200	U	27.200	U	27.200	U	27.200	U	27.200	U	27.200	U	27.200	U	NS		NS		NS	
	21-May-07	38.800	U	29.200	U	27.200	U	48.000	U	27.200	U	27.200	U	2.720	U	27.200	U	NS		NS		NS	
	29-Jun-07	0.550	U	0.550	U	0.550	U	0.550	U	0.550	U	1.100	U	0.550	U	0.550	U	NS		NS		NS	
	30-Jul-07	0.550	U	NS		NS		1.100	U	NS		0.550	U	2.700	U	NS		NS		NS		NS	
	22-Aug-07	NS		NS		1.080	U	NS		2.720	U	NS		NS		NS		1.080	U	0.110	U	NS	
	20-Sep-07	NS		2.720	U	NS		NS		NS		NS		NS		2.720	U	NS		0.110	U	0.110	U
	9-Oct-07	2.720	U	NS		NS		NS		0.545	U	NS		NS		NS		0.108	U	NS		0.109	U
	7-Nov-07	NS		0.110	U	NS		NS		NS		0.110	U	NS		NS		0.110	U	0.110	U	NS	
	6-Dec-07	NS		NS		0.110	U	NS		NS		NS		NS		0.110	U	NS		0.110	U	0.110	U
	8-Jan-08	NS		NS		NS		0.110	U	NS		NS		NS		NS		0.110	U	0.110	U	NS	
	8-Feb-08	0.110	U	NS		NS		NS		0.110	U	NS		NS		NS		NS		0.110	U	0.110	U
	27-Mar-08	NS		0.108	U	NS		NS		NS		0.109	U	NS		NS		0.109	U	NS		0.109	U
	25-Apr-08	NS		NS		0.108	U	NS		NS		NS		0.109	U	NS		0.109	U	NS		0.109	U
	29-May-08	NS		NS		NS		0.110	U	NS		NS		NS		0.110	U	0.110	U	0.110	U	NS	
	27-Jun-08	0.170	U	NS		NS		NS		0.109	U	NS		NS		NS		NS		0.109	U	0.109	U
	31-Jul-08	NS		0.108	U	NS		NS		NS		NS		NS		NS		0.109	U	NS		0.109	U
	28-Aug-08	NS		NS		0.108	U	NS		NS		NS		0.109	U	NS		0.109	U	0.109	U	NS	
	30-Sep-08	NS		NS		NS		0.110	U	NS		NS		NS		0.110	U	NS		0.110	U	0.110	U
	27-Oct-08	0.110	U	NS		NS		NS		0.110	U	NS		NS		NS		0.110	U	NS		0.110	U
	26-Nov-08	NS		0.110	U	NS		NS		NS		0.110	U	NS		NS		0.110	U	0.110	U	NS	
	18-Dec-08	NS		NS		0.110	U	NS		NS		NS		0.110	U	NS		NS		0.110	U	0.110	U
	21-Jan-09	NS		NS		NS		0.110	U	NS		NS		NS		NS		0.110	U	NS		NS	
	25-Feb-09	0.110	U	NS		NS		NS		0.110	U	NS		NS		NS		0.110	U	0.110	U	0.109	U
	26-Mar-09	NS		0.545	U	NS		NS		NS		1.090	U	NS		NS		NS		0.109	U	0.109	U
						0.109	U							0.109	U								
1,1-Dichloroethane	15-Mar-07	360.000	U	350.000	U	350.000	U	350.000	U	340.000	U	140.000	U	53.000	U	150.000	U	NS		NS		NS	
	22-Mar-07	50.600	U	50.600	U	50.600	U	50.600	U	50.600	U	50.600	U	50.600	U	20.200	U	NS		NS		NS	
	26-Apr-07	20.200	U	20.200	U	20.200	U	20.200	U	20.200	U	20.200	U	20.200	U	20.200	U	NS		NS		NS	
	21-May-07	38.800	U	20.200	U	20.200	U	35.600	U	20.200	U	20.200	U	2.020	U	20.200	U	NS		NS		NS	
	29-Jun-07	0.400	U	0.400	U	0.400	U	0.400	U	0.400	U	0.810	U	0.400	U	0.400	U	NS		NS		NS	
	30-Jul-07	0.400	U	NS		NS		0.810	U	NS		0.400	U	2.000	U	NS		NS		NS		NS	
	22-Aug-07	NS		NS		0.809	U	NS		2.020	U	NS		NS		NS		NS		0.809	U	0.081	U
	20-Sep-07	NS		2.020	U	NS		NS		NS		NS		NS		2.020	U	NS		0.081	U	0.081	U
	9-Oct-07	2.020	U	NS		NS		NS		0.404	U	NS		NS		NS		0.081	U	NS		0.081	U
	7-Nov-07	NS		0.080	U	NS		NS		NS		0.080	U	NS		NS		0.080	U	0.080	U	NS	
	6-Dec-07	NS		NS		0.080	U	NS		NS		NS		NS		0.080	U	NS		0.080	U	0.080	U
	8-Jan-08	NS		NS		NS		0.080	U	NS		NS		NS		NS		0.080	U	NS		0.080	U
	8-Feb-08	0.080	U	NS		NS		NS		0.080	U	NS		NS		NS		0.080	U	0.080	U	NS	
	27-Mar-08	NS		0.081	U	NS		NS		NS		0.081	U	NS		NS		NS		0.081	U	0.081	U
	25-Apr-08	NS		NS		0.081	U	NS		NS		NS		0.081	U	NS		0.081	U	NS		0.081	U
	29-May-08	NS		NS		NS		0.080	U	NS		NS		NS		NS		0.080	U	0.080	U	NS	
	27-Jun-08	0.126	U	NS		NS		NS		0.081	U	NS		NS		NS		NS		0.081	U	0.081	U
	31-Jul-08	NS		0.081	U	NS		NS		NS		NS		NS		NS		0.081	U	NS		0.081	U
	28-Aug-08	NS		NS		0.081	U	NS		NS		NS		0.081	U	NS		0.081	U	0.081	U	NS	
	27-Oct-08	NS		NS		NS		2.000	U	NS		NS		NS		2.000	U	NS		2.000	U	2.000	U
	29-Oct-08	2.000	U	NS		NS		NS		2.000	U	NS		NS		NS		2.000	U	NS		2.000	U
	26-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		2.000	U	NS		2.000	U
	21-Jan-09	NS		NS		NS		2.000	U	NS		NS		NS		NS		2.000	U	2.000	U	NS	
	25-Feb-09	2.000	U	NS		NS		NS		2.000	U	NS		NS		NS		NS		2.000	U	2.000	U
	26-Mar-09	NS		0.404	U	NS		NS		NS		0.809	U	NS		NS		NS		0.081	U	0.081	U
						0.160	U							0.081	U								
1,1-Dichloroethene	15-Mar-07	340.000	U	340.000	U	340.000	U	*	U	340.000	U	140.000	U	33.000	U	150.000	U	NS		NS		NS	
	22-Mar-07	49.500	U	49.500	U	49.500	U	49.500	U	49.500	U	49.500	U	49.500	U	19.800	U	NS		NS		NS	
	26-Apr-07	19.800	U	19.800	U	19.800	U	19.800	U	19.800	U	19.800	U	19.800	U	19.800	U	NS		NS		NS	
	21-May-07	34.000	U	19.800	U	19.800	U	33.800	U	19.800	U	19.800	U	1.980	U	19.800	U	NS		NS		NS	
	29-Jun-07	0.400	U	0.400	U	0.400	U	0.400	U	0.400	U	0.790	U	0.400	U	0.400	U	NS		NS		NS	
	30-Jul-07	0.400	U	NS		NS		0.790	U	NS		0.400	U	2.000	U	NS		NS		NS		NS	
	22-Aug-07	NS		NS		0.790	U	NS		1.980	U	NS		NS		NS		NS		0.790	U	0.790	U
	20-Sep-07	NS		1.980	U	NS		NS		NS		NS		NS		1.980	U	NS		0.080	U	0.080	U
	9-Oct-07	1.980	U	NS		NS		NS		0.396	U	NS		NS		NS		0.079	U	NS		0.079	U
	7-Nov-07	NS		0.080	U	NS		NS		NS		0.080	U	NS		NS		0.080	U	0.080	U	NS	
	6-Dec-07	NS		NS		0.080	U	NS		NS		NS		0.080	U	NS		NS		0.080	U	0.080	U
	8-Jan-08	NS		NS		NS		0.080	U	NS		NS		NS		0.080	U	NS		0.080	U	0.080	U
	8-Feb-08	0.080	U	NS		NS		NS		0.080	U	NS		NS		NS		0.080	U	0.080	U	NS	
	27-Mar-08	NS		0.079	U	NS		NS		NS		0.079	U	NS		NS		NS		0.079	U	0.079	U
	25-Apr-08	NS		NS		0.079	U	NS		NS		NS		0.079	U	NS		0.079	U	NS		0.079	U
	29-May-08	NS		NS		NS		0.080	U	NS		NS		NS		0.080	U	0.080	U	NS		NS	
	27-Jun-08	0.123	U	NS		NS		NS		0.079	U	NS		NS		NS		NS		0.078	U	0.079	U
	31-Jul-08	NS		0.079	U	NS		NS		NS		NS		NS		NS		0.079	U	NS		0.079	U
	28-Aug-08	NS		NS		0.078	U	NS		NS		NS		0.079	U	NS		0.078	U	0.078	U	NS	
	30-Sep-08	NS		NS		NS		2.000	U	NS		NS		NS		2.000	U	NS		2.000	U	2.000	U
	27-Oct-08	2.000	U	NS		NS		NS		2.000	U	NS		NS		NS		2.000	U	NS		2.000	U
	26-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		7.000	U	NS		NS		2.000	U	2.000	U
	21-Jan-09	NS		NS		NS		2.000	U	NS		NS		NS		2.000	U	2.000	U	NS		2.000	U
	25-Feb-09	2.000	U	NS		NS		NS		2.000	U	NS		NS		NS		2.000	U	2.000	U	NS	
	26-Mar-09	NS		0.396	U	NS		NS		NS		0.792	U	NS		NS		NS		0.079	U	0.079	U
						0.079	U							0.079	U								

Date Modified: 5/23/2009

Summary of Sub-Slab Air Sampling Data - Adelaide Avenue School Project - Volatile Organic Compounds
March 2007 - April 2009

Volatile Organic Compounds via TO-15	Sample Date	MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	MP-1	Qual	MP-2	Qual	MP-3	Qual
1,2,4-Trimethylbenzene	15-Mar-07	440 000	U	420 000	U	420 000	U	430 000	U	420 000	U	170 000	U	65 000	U	180 000	U	NS		NS		NS	
	22-Mar-07	61 400	U	61 400	U	61 400	U	61 400	U	61 400	U	61 400	U	61 400	U	24 600	U	NS		NS		NS	
	26-Apr-07	24 600	U	24 600	U	24 600	U	24 600	U	24 600	U	24 600	U	24 600	U	24 600	U	NS		NS		NS	
	21-May-07	44 700	U	24 600	U	24 600	U	43 200	U	24 600	U	24 600	U	2 460	U	24 600	U	NS		NS		NS	
	29-Jun-07	2 400		1 500		1 200		3 400		3 200		0 980	U	2 800		1 500		NS		NS		NS	
	30-Jul-07	1 500		NS		NS		1 700		NS		1 800		4 400		NS		NS		NS		NS	
	22-Aug-07	NS		NS		0 880	U	NS		2 460	U	NS		NS		NS		0 880	U	1 350		NS	
	20-Sep-07	NS		2 460	U	NS		NS		NS		NS		NS		2 460	U	NS		2 110		2 130	
	9-Oct-07	2 460	U	NS		NS		NS		0 540		NS		NS		NS		2 780		NS		1 940	
	7-Nov-07	NS		0 280		NS		NS		NS		0 430		NS		NS		1 280		1 150		NS	
	6-Dec-07	NS		NS		0 350		NS		NS		NS		NS		0 350		NS		2 800		2 260	
	8-Jan-08	NS		NS		NS		2 000		NS		NS		NS		NS		11 700		NS		0 140	
	8-Feb-08	0 210		NS		NS		NS		0 230		NS		NS		NS		0 880		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		0 844		NS		0 517		NS		0 338	
	29-May-08	NS		NS		NS		0 880		NS		NS		NS		1 000		1 280		0 480		NS	
	27-Jun-08	7 460		NS		NS		NS		1 150		NS		NS		NS		NS		0 838		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		0 899		0 853		NS	
	30-Sep-08	NS		NS		NS		2 800	U	NS		NS		NS		2 500	U	NS				2 800	U
	27-Oct-08	11 400		NS		NS		NS		2 500	U	NS		NS		NS		2 500	U	NS		2 800	
	25-Nov-08	NS		2 500	U	NS		NS		NS		2 500	U	NS		NS		8 400		6 200		NS	
	16-Dec-08	NS		NS		2 500	U	NS		NS		NS		2 500	U	NS		NS		2 500	U	2 500	U
	21-Jan-09	NS		NS		NS		2 500	U	NS		NS		NS		2 500	U	2 500	U	NS		2 500	U
	25-Feb-09	17 500		NS		NS		NS		NS		NS		NS		NS		8 200		2 800		NS	
	26-Mar-09	NS		0 491	U	NS		NS		NS		0 862	U	NS		NS		NS		1 090		1 350	
						0 285								0 378				0 707				0 801	
1,2-Dibromoethane	15-Mar-07	690 000	U	660 000	U	660 000	U	670 000	U	650 000	U	260 000	U	100 000	U	280 000	U	NS		NS		NS	
	22-Mar-07	96 000	U	96 000	U	96 000	U	96 000	U	96 000	U	96 000	U	96 000	U	38 400	U	NS		NS		NS	
	26-Apr-07	38 400	U	38 400	U	38 400	U	38 400	U	38 400	U	38 400	U	38 400	U	38 400	U	NS		NS		NS	
	21-May-07	68 900	U	38 400	U	38 400	U	67 600	U	38 400	U	38 400	U	3 840	U	38 400	U	NS		NS		NS	
	29-Jun-07	0 770	U	0 770	U	0 770	U	0 770	U	0 770	U	1 500	U	0 770	U	0 770	U	NS		NS		NS	
	30-Jul-07	0 770	U	NS		NS		1 500	U	NS		0 770	U	3 800	U	NS		NS		NS		NS	
	22-Aug-07	NS		NS		1 540	U	NS		3 840	U	NS		NS		NS		1 540	U	0 150	U	NS	
	20-Sep-07	NS		3 840	U	NS		NS		NS		NS		NS		3 840	U	NS		0 150	U	0 150	U
	9-Oct-07	3 840	U	NS		NS		NS		0 768	U	NS		NS		NS		0 154	U	NS		0 154	U
	7-Nov-07	NS		0 150	U	NS		NS		NS		0 150	U	NS		NS		0 150	U	0 150	U	NS	
	6-Dec-07	NS		NS		0 150	U	NS		NS		NS		NS		0 150	U	NS		0 150	U	0 150	U
	8-Jan-08	NS		NS		NS		0 150	U	NS		NS		NS		NS		0 150	U	NS		0 150	U
	8-Feb-08	0 150	U	NS		NS		NS		0 150	U	NS		NS		NS		0 150	U	0 150	U	NS	
	27-Mar-08	NS		0 154	U	NS		NS		NS		0 154	U	NS		NS		NS		0 154	U	0 154	U
	25-Apr-08	NS		NS		0 154	U	NS		NS		NS		0 154	U	NS		0 154	U	NS		0 154	U
	29-May-08	NS		NS		NS		0 150	U	NS		NS		NS		0 150	U	0 150	U	0 150	U	NS	
	27-Jun-08	0 739	U	NS		NS		NS		0 154	U	NS		NS		NS		NS		0 154	U	0 154	U
	31-Jul-08	NS		0 154	U	NS		NS		NS		NS		NS		NS		0 154	U	NS		0 154	U
	28-Aug-08	NS		NS		0 154	U	NS		NS		NS		NS		NS		0 154	U	0 154	U	NS	
	30-Sep-08	NS		NS		NS		0 150	U	NS		NS		NS		0 150	U	NS		0 150	U	0 150	U
	27-Oct-08	0 150	U	NS		NS		NS		0 150	U	NS		NS		NS		0 150	U	NS		0 150	U
	25-Nov-08	NS		0 150	U	NS		NS		NS		0 150	U	NS		NS		NS		0 150	U	NS	
	16-Dec-08	NS		NS		0 150	U	NS		NS		NS		NS		NS		0 150	U	NS		0 150	U
	21-Jan-09	NS		NS		NS		0 150	U	NS		NS		NS		0 150	U	0 150	U	NS		0 150	U
	25-Feb-09	0 150	U	NS		NS		NS		0 150	U	NS		NS		NS		0 150	U	0 150	U	NS	
	26-Mar-09	NS		0 768	U	NS		NS		NS		1 540	U	NS		NS		NS		0 194	U	0 154	U
						0 154	U							0 154	U			0 154	U			0 154	U
1,2-Dichlorobenzene	15-Mar-07	540 000	U	520 000	U	520 000	U	520 000	U	510 000	U	210 000	U	78 000	U	220 000	U	NS		NS		NS	
	22-Mar-07	75 100	U	75 100	U	75 100	U	75 100	U	75 100	U	75 100	U	75 100	U	30 000	U	NS		NS		NS	
	26-Apr-07	30 000	U	30 000	U	30 000	U	30 000	U	30 000	U	30 000	U	30 000	U	30 000	U	NS		NS		NS	
	21-May-07	54 100	U	30 000	U	30 000	U	52 900	U	30 000	U	30 000	U	3 000	U	30 000	U	NS		NS		NS	
	29-Jun-07	0 880	U	0 960	U	0 960	U	0 960	U	0 960	U	1 250	U	0 960	U	0 960	U	NS		NS		NS	
	30-Jul-07	0 960	U	NS		NS		1 200	U	0 960	U	0 960	U	3 000	U	NS		NS		NS		NS	
	22-Aug-07	NS		NS		1 200	U	NS		3 000	U	NS		NS		NS		1 200	U	0 120	U	NS	
	20-Sep-07	NS		3 000	U	NS		NS		NS		NS		NS		3 000	U	NS		0 120	U	0 120	U
	9-Oct-07	3 000	U	NS		NS		NS		0 601	U	NS		NS		NS		0 120	U	NS		0 120	U
	7-Nov-07	NS		0 120	U	NS		NS		NS		0 120	U	NS		NS		0 120	U	NS		NS	
	6-Dec-07	NS		NS		0 120	U	NS		NS		NS		0 120	U	NS		NS		0 120	U	0 120	U
	8-Jan-08	NS		NS		NS		0 120	U	NS		NS		NS		0 120	U	0 120	U	NS		0 120	U
	8-Feb-08	0 120	U	NS		NS		NS		0 120	U	NS		NS		NS		0 120	U	0 550		NS	
	27-Mar-08	NS		0 120	U	NS		NS		NS		0 120	U	NS		NS		NS		0 120	U	0 120	U
	25-Apr-08	NS		NS		0 120	U	NS		NS		NS		NS		0 120	U	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	NS		NS	
	27-Jun-08	0 187	U	NS		NS		NS		0 120	U	NS		NS		NS		NS		0 120	U	0 120	U
	31-Jul-08	NS		0 120	U	NS		NS		NS		NS		NS		NS		0 120	U	NS		0 120	U
	28-Aug-08	NS		NS		0 120	U	NS		NS		NS		0 120	U	NS		0 120	U	0 120	U	NS	
	30-Sep-08	NS		NS		NS		3 000	U	NS		NS		NS		3 000	U	NS		3 000	U	3 000	U
	27-Oct-08	3 000	U	NS		NS		NS		3 000	U	NS		NS		NS		3 000	U	NS		3 000	U
	25-Nov-08	NS		3 000	U	NS		NS		NS		3 000	U	NS		NS		3 000	U	3 000	U	NS	
	16-Dec-08	NS		NS		3 000	U	NS		NS		NS		3 000	U	NS		NS		3 000	U	3 000	U
	21-Jan-09	NS		NS		NS		3 000	U	NS		NS		NS		3 000	U	3 000	U	NS		3 000	U
	26-Feb-09	3 000	U	NS		NS		NS		3 000	U	NS		NS		NS		3 000	U	3 000	U	NS	
	26-Mar-09	NS		0 601	U	NS		NS		NS		1 200	U	NS		NS		NS		0 120	U	0 120	U
						0 120	U											0 120	U			0 120	U

Date Modified 6/23/2009

Summary of Sub-Slab Air Sampling Data - Adelaide Avenue School Project - Volatile Organic Compounds
March 2007 - April 2009

Volatile Organic Compounds via TO-15	Sample Date	MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	MP-9	Qual	MP-2	Qual	MP-3	Qual
1,2-Dichloroethane	15-Mar-07	370 000	U	350 000	U	350 000	U	350 000	U	340 000	U	140 000	U	53 000	U	150 000	U	NS		NS		NS	
	22-Mar-07	50 800	U	50 800	U	50 800	U	50 800	U	50 800	U	50 800	U	50 800	U	20 200	U	NS		NS		NS	
	26-Apr-07	20 200	U	20 200	U	20 200	U	20 200	U	20 200	U	20 200	U	20 200	U	20 200	U	NS		NS		NS	
	21-May-07	36 800	U	20 200	U	35 800	U	20 200	U	20 200	U	20 200	U	3 020	U	20 200	U	NS		NS		NS	
	28-Jun-07	0 400	U	0 400	U	0 400	U	0 400	U	0 400	U	0 810	U	0 400	U	0 400	U	NS		NS		NS	
	30-Jul-07	0 400	U	NS		NS		0 810	U	NS		0 400	U	2 000	U	NS		NS		0 810	U	NS	
	22-Aug-07	NS		NS		0 810	U	NS		2 020	U	NS		NS		2 020	U	NS		NS		0 080	U
	20-Sep-07	NS		2 020	U	NS		NS		NS		NS		NS		NS		NS		0 128		0 080	U
	9-Oct-07	2 020	U	NS		NS		NS		0 404	U	NS		NS		NS		NS		0 080	U	NS	
	7-Nov-07	NS		0 040	U	NS		NS		NS		0 080	U	NS		0 080	U	NS		0 080	U	0 080	U
	6-Dec-07	NS		NS		0 080	U	NS		NS		NS		0 080	U	NS		NS		0 080	U	0 080	U
	8-Jan-08	NS		NS		NS		0 080	U	NS		NS		NS		0 080	U	NS		NS		0 080	U
	8-Feb-08	0 080	U	NS		NS		NS		0 080	U	NS		NS		NS		NS		0 080	U	NS	
	27-Mar-08	NS		0 041	U	NS		NS		NS		NS		NS		NS		NS		0 080	U	0 080	U
	25-Apr-08	NS		NS		0 081	U	NS		NS		NS		NS		NS		NS		0 080	U	0 080	U
	29-May-08	NS		NS		NS		0 080	U	NS		NS		NS		NS		NS		0 080	U	NS	
	27-Jun-08	0 128	U	NS		NS		NS		0 153		NS		NS		NS		NS		0 080	U	0 080	U
	31-Jul-08	NS		0 081	U	NS		NS		NS		NS		NS		NS		NS		0 080	U	0 080	U
	28-Aug-08	NS		NS		0 171		NS		NS		NS		NS		NS		NS		0 080	U	0 080	U
	27-Oct-08	NS		NS		NS		0 080	U	NS		NS		NS		NS		NS		0 080	U	0 095	
	27-Oct-08	0 080	U	NS		NS		NS		NS		NS		NS		NS		NS		0 080	U	NS	
	25-Nov-08	NS		0 080	U	NS		NS		NS		NS		NS		NS		NS		0 080	U	0 080	U
	18-Dec-08	NS		NS		0 080	U	NS		NS		NS		NS		NS		NS		0 080	U	0 080	U
	21-Jan-09	NS		NS		NS		0 080	U	NS		NS		NS		NS		NS		0 080	U	NS	
	25-Feb-09	0 080	U	NS		NS		NS		0 080	U	NS		NS		NS		NS		0 080	U	0 133	
	26-Mar-09	NS		0 404	U	NS		NS		NS		0 808	U	0 081	U	NS		NS		0 098		0 089	
						0 319																	
1,2-Dichloropropane	15-Mar-07	420 000	U	400 000	U	400 000	U	400 000	U	390 000	U	160 000	U	61 000	U	170 000	U	NS		NS		NS	
	22-Mar-07	57 700	U	57 700	U	57 700	U	57 700	U	57 700	U	57 700	U	57 700	U	23 100	U	NS		NS		NS	
	26-Apr-07	23 100	U	23 100	U	23 100	U	23 100	U	23 100	U	23 100	U	23 100	U	23 100	U	NS		NS		NS	
	21-May-07	42 000	U	23 100	U	40 800	U	23 100	U	23 100	U	23 100	U	3 310	U	23 100	U	NS		NS		NS	
	28-Jun-07	0 460	U	0 460	U	0 460	U	0 460	U	0 460	U	0 920	U	0 460	U	0 460	U	NS		NS		NS	
	30-Jul-07	0 460	U	NS		0 920	U	NS		2 310	U	NS		2 300	U	NS		NS		0 920	U	NS	
	22-Aug-07	NS		NS		0 920	U	NS		NS		NS		NS		2 310	U	NS		0 080	U	0 080	U
	20-Sep-07	NS		2 310	U	NS		NS		NS		NS		NS		NS		NS		0 082	U	0 082	U
	9-Oct-07	2 310	U	NS		NS		NS		0 462	U	NS		NS		NS		NS		0 080	U	NS	
	7-Nov-07	NS		0 080	U	NS		NS		NS		0 080	U	NS		NS		NS		0 080	U	0 080	U
	6-Dec-07	NS		NS		0 080	U	NS		NS		NS		0 080	U	NS		NS		0 080	U	0 080	U
	8-Jan-08	NS		NS		NS		0 080	U	NS		NS		NS		NS		NS		0 080	U	NS	
	8-Feb-08	0 080	U	NS		NS		NS		0 080	U	NS		NS		NS		NS		0 080	U	0 082	U
	27-Mar-08	NS		0 082	U	NS		NS		NS		0 082	U	NS		NS		NS		0 082	U	0 082	U
	25-Apr-08	NS		NS		0 082	U	NS		NS		NS		0 082	U	NS		NS		0 080	U	NS	
	29-May-08	NS		NS		NS		0 080	U	NS		NS		NS		0 080	U	NS		0 082	U	0 082	U
	27-Jun-08	0 144	U	NS		NS		NS		0 082	U	NS		NS		NS		NS		0 082	U	0 082	U
	31-Jul-08	NS		0 082	U	NS		NS		NS		NS		NS		NS		NS		0 082	U	NS	
	28-Aug-08	NS		NS		0 082	U	NS		NS		NS		0 082	U	NS		NS		0 080	U	0 080	U
	30-Sep-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		NS		0 080	U	NS	
	25-Nov-08	NS		0 080	U	NS		NS		NS		0 080	U	NS		0 080	U	NS		0 080	U	0 080	U
	18-Dec-08	NS		NS		0 080	U	NS		NS		NS		NS		NS		NS		0 080	U	0 080	U
	21-Jan-09	NS		NS		NS		0 080	U	NS		NS		NS		NS		NS		0 080	U	NS	
	25-Feb-09	0 080	U	NS		NS		NS		0 080	U	NS		NS		NS		NS		0 080	U	0 092	U
	26-Mar-09	NS		0 482	U	NS		NS		NS		0 924	U	0 092	U	NS		NS		0 092	U	0 092	U
						0 092	U																
1,3,5-Trimethylbenzene	15-Mar-07	440 000	U	420 000	U	420 000	U	420 000	U	420 000	U	170 000	U	65 000	U	180 000	U	NS		NS		NS	
	22-Mar-07	61 400	U	61 400	U	61 400	U	61 400	U	61 400	U	61 400	U	61 400	U	24 600	U	NS		NS		NS	
	26-Apr-07	24 600	U	24 600	U	24 600	U	24 600	U	24 600	U	24 600	U	24 600	U	24 600	U	NS		NS		NS	
	21-May-07	44 700	U	24 600	U	43 200	U	24 600	U	24 600	U	24 600	U	2 460	U	24 600	U	NS		NS		NS	
	28-Jun-07	1 200		0 790		1 700		1 700		1 700		0 980	U	2 800		1 500		NS		NS		NS	
	30-Jul-07	0 740		NS		0 980	U	0 980	U	NS		0 980	U	2 500		NS		NS		NS		NS	
	22-Aug-07	NS		NS		0 840	U	NS		2 460	U	NS		NS		NS		NS		0 840	U	NS	
	20-Sep-07	NS		2 460	U	NS		NS		NS		NS		NS		2 460	U	NS		0 790		0 680	
	9-Oct-07	2 460	U	NS		NS		NS		0 491	U	NS		NS		NS		NS		NS		0 862	
	7-Nov-07	NS		0 100	U	NS		NS		NS		0 100	U	NS		NS		NS		0 320		NS	
	6-Dec-07	NS		NS		0 100		NS		NS		NS		NS		0 100	U	NS		0 710		0 610	
	8-Jan-08	NS		NS		0 510		NS		NS		NS		NS		NS		NS		NS		0 100	U
	8-Feb-08	0 100	U	NS		NS		NS		0 100	U	NS		NS		NS		NS		0 470		NS	
	27-Mar-08	NS		0 140		NS		NS		NS		0 096	U	NS		NS		NS		0 340		0 275	
	25-Apr-08	NS		NS		1 800		NS		NS		NS		NS		NS		NS		NS		0 134	
	29-May-08	NS		NS		NS		0 180		NS		NS		NS		NS		NS		0 150		NS	
	27-Jun-08	5 160		NS		NS		NS		0 463		NS		NS		NS		NS		0 238		0 250	
	31-Jul-08	NS		0 713		NS		NS		NS		NS		NS		NS		NS		NS		0 224	
	28-Aug-08	NS		NS		0 497		NS		NS		NS		NS		NS		NS		0 276		NS	
	30-Sep-08	NS		NS		NS		2 500	U	NS		NS		NS		NS		NS		0 248		0 233	
	27-Oct-08	7 800		NS		NS		NS		2 500	U	NS		NS		NS		NS		2 500	U	2 500	U
	25-Nov-08	NS		2 500	U	NS		NS		NS		2 500	U	NS		NS		NS		2 500	U	NS	
	18-Dec-08	NS		NS		2 500	U	NS		NS		NS		2 500	U	NS		NS		2 500	U	2 500	U
	21-Jan-09	NS		NS		NS		2 500	U	NS		NS		NS		NS		NS		2 500	U	NS	
	25-Feb-09	8 100		NS		NS		NS		2 500	U	NS		NS		NS		NS		2 500	U	2 500	U
	26-Mar-09	NS		0 481	U	NS		NS		NS		0 962	U	NS		NS		NS		0 337		0 425	
						0 147								0 128								0 241	

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Summary of Sub-Slab Air Sampling Data - Adelaide Avenue School Project - Volatile Organic Compounds
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Volatile Organic Compounds via TO-15	Sample Date	MP 1		MP 2		MP-3		MP-4		MP 5		MP-6		MP 7		MP 8		MP 1		MP 2		MP 3	
			Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual
1,3-Dichlorobenzene	19-Mar-07	540 000	U	520 000	U	520 000	U	520 000	U	510 000	U	210 000	U	79 000	U	270 000	U	NS		NS		NS	
	22-Mar-07	75 100	U	75 100	U	75 100	U	75 100	U	75 100	U	75 100	U	75 100	U	30 000	U	NS		NS		NS	
	26-Apr-07	30 000	U	30 000	U	30 000	U	30 000	U	30 000	U	30 000	U	30 000	U	30 000	U	NS		NS		NS	
	21-May-07	54 700	U	30 000	U	30 000	U	52 000	U	30 000	U	30 000	U	3 000	U	30 000	U	NS		NS		NS	
	29-Jun-07	0 600	U	0 600	U	0 600	U	0 600	U	0 600	U	1 200	U	0 600	U	0 600	U	NS		NS		NS	
	30-Jul-07	0 600	U	NS		NS		1 200	U	NS		0 600	U	3 000	U	NS		NS		NS		NS	
	22-Aug-07	NS		NS		1 200	U	NS		3 000	U	NS		NS		NS		1 200	U	NS		0 120	U
	20-Sep-07	NS		3 000	U	NS		NS		NS		NS		NS		3 000	U	0 120	U	NS		0 120	U
	9-Oct-07	3 000	U	NS		NS		NS		0 601	U	NS		NS		NS		0 120	U	NS		0 120	U
	7-Nov-07	NS		0 120	U	NS		NS		NS		0 120		NS		NS		0 120	U	NS		0 120	U
	5-Dec-07	NS		NS		0 120	U	NS		NS		NS		NS		NS		0 120	U	0 120	U	NS	
	8-Jan-08	NS		NS		NS		0 120	U	NS		NS		NS		NS		0 120	U	0 120	U	NS	
	8-Feb-08	0 120	U	NS		NS		NS		0 120	U	NS		NS		NS		0 120	U	0 120	U	0 120	U
	27-Mar-08	NS		0 120	U	NS		NS		NS		NS		0 120	U	NS		0 120	U	NS		0 120	U
	29-Apr-08	NS		NS		0 120	U	NS		NS		NS		NS		3 470		0 820		0 270		NS	
	28-May-08	NS		NS		NS		1 100		NS		NS		NS		NS		0 120	U	0 120	U	0 120	U
	27-Jun-08	0 187	U	NS		NS		0 257		NS		NS		NS		NS		0 136		NS		0 120	U
	31-Jul-08	NS		0 822		NS		NS		NS		NS		NS		NS		0 120	U	0 120	U	NS	
	26-Aug-08	NS		NS		0 120	U	NS		NS		NS		NS		NS		3 000	U	NS		3 000	U
	30-Sep-08	NS		NS		NS		3 000	U	NS		NS		NS		NS		NS		3 000	U	3 000	U
	27-Oct-08	3 000	U	NS		NS		NS		3 000	U	NS		3 000	U	NS		3 000	U	3 000	U	NS	
	25-Nov-08	NS		3 000	U	NS		NS		NS		3 000	U	NS		NS		3 000	U	3 000	U	3 000	U
	18-Dec-08	NS		NS		3 000	U	NS		NS		NS		NS		NS		3 000	U	NS		3 000	U
	21-Jan-09	NS		NS		NS		3 000	U	NS		NS		NS		NS		3 000	U	3 000	U	NS	
	25-Feb-09	3 000	U	NS		NS		NS		3 000	U	NS		1 200	U	NS		NS		NS		0 120	U
	26-Mar-09	NS		0 801	U	0 120	U	NS		NS		NS		0 120	U	NS		0 120	U	NS		0 120	U
1,4-Dichlorobenzene	19-Mar-07	540 000	U	520 000	U	520 000	U	520 000	U	510 000	U	210 000	U	79 000	U	270 000	U	NS		NS		NS	
	22-Mar-07	75 100	U	75 100	U	75 100	U	75 100	U	75 100	U	75 100	U	75 100	U	30 000	U	NS		NS		NS	
	26-Apr-07	30 000	U	30 000	U	30 000	U	30 000	U	30 000	U	30 000	U	30 000	U	30 000	U	NS		NS		NS	
	21-May-07	54 700	U	30 000	U	30 000	U	52 000	U	30 000	U	30 000	U	3 000	U	30 000	U	NS		NS		NS	
	29-Jun-07	69 000		58 000		55 000		58 000		65 000		36 000		75 000		81 000		NS		NS		NS	
	30-Jul-07	3 800		NS		NS		2 000		NS		3 700		7 000		NS		NS		NS		NS	
	22-Aug-07	NS		NS		1 200	U	NS		3 000	U	NS		NS		NS		1 200	U	0 890		NS	
	20-Sep-07	NS		89 200		NS		NS		NS		NS		NS		114 000		NB		97 900		111 000	
	9-Oct-07	83 800		NS		NS		NS		31 000		NS		NS		NS		20 500		NS		32 800	
	7-Nov-07	NS		9 780		NS		NS		NS		13 900		NS		NS		45 600		44 300		NS	
	5-Dec-07	NS		NS		NS		NB		NS		NS		1 220		NS		NS		40 500		38 200	
	8-Jan-08	NS		NS		4 540		NS		NS		NS		NS		0 610		1 330		NS		0 360	
	8-Feb-08	1 580		NS		NS		0 980		NS		NS		NS		NB		0 908		F 818		NB	
	27-Mar-08	NS		4 330		NS		NS		0 290		NS		NS		NB		NS		5 280		15 100	
	29-Apr-08	NS		NS		0 347		NS		NS		8 480		NS		NB		17 900		NS		18 300	
	28-May-08	NS		NS		NS		5 500		NS		NS		32 300		NS		10 000		4 190		NB	
	27-Jun-08	47 300		NS		NS		NB		38 100		NS		NB		NS		NS		46 800		57 900	
	31-Jul-08	NS		2 480		NS		NS		NS		NS		NS		NS		1 840		NS		2 040	
	26-Aug-08	NS		NS		234 000		NS		NS		NS		NS		214 000		229 000		208 000		NB	
	30-Sep-08	NS		NS		NS		7 200		NS		NS		NS		NS		6 800		6 800		5 600	
	27-Oct-08	3 000	U	NS		NS		NS		3 000	U	NS		NS		NB		3 000	U	NS		3 000	U
	25-Nov-08	NS		3 000	U	NS		NB		NS		3 000	U	NS		NB		3 000	U	3 000	U	NS	
	18-Dec-08	NS		NS		3 000	U	NS		NS		NS		4 700		NS		NS		18 300		17 100	
	21-Jan-09	NS		NS		NS		3 000	U	NS		NS		NS		3 000	U	13 900		NS		27 200	
	25-Feb-09	3 000	U	NS		NS		NS		3 000	U	NS		NS		NS		3 000	U	3 000	U	NS	
	26-Mar-09	NS		5 430		NS		NS		NS		4 870		1 810		NS		4 120		20 800		4 250	
Benzene	19-Mar-07	290 000	U	280 000	U	280 000	U	280 000	U	270 000	U	110 000	U	42 000	U	120 000	U	NS		NS		NS	
	22-Mar-07	39 900	U	39 900	U	39 900	U	39 900	U	39 900	U	39 900	U	39 900	U	16 000	U	NS		NS		NS	
	26-Apr-07	16 000	U	16 000	U	16 000	U	16 000	U	16 000	U	16 000	U	16 000	U	16 000	U	NS		NS		NS	
	21-May-07	29 000	U	16 000	U	16 000	U	28 100	U	16 000	U	16 000	U	1 600	U	16 000	U	NS		NS		NS	
	29-Jun-07	0 690		0 640	U	0 730		0 670		0 760		1 300		0 830		0 700		NS		NS		NS	
	30-Jul-07	0 670		NS		0 530		0 760		NB		0 760		1 600	U	NS		NS		NS		NS	
	22-Aug-07	NS		NS		0 640	U	NS		1 600	U	NS		NS		NS		0 840	U	0 380		0 340	
	20-Sep-07	NS		5 690	U	NB		NS		NB		NS		NS		6 590	U	NS		0 420		0 818	
	9-Oct-07	7 980	U	NB		NS		NS		1 600	U	NS		NS		NS		0 851		NS		NS	
	7-Nov-07	NS		0 480		NS		NS		NS		9 450		NS		NS		0 320		0 440		NS	
	5-Dec-07	NS		NS		0 450		NS		NS		NS		0 650		NS		NS		0 840	U	0 640	U
	8-Jan-08	NS		NS		NS		5 690		NS		NS		NS		1 780		2 800		NS		0 460	
	8-Feb-08	0 920		NS		NS		NS		0 880		NS		NS		NB		0 540		0 890		NS	
	27-Mar-08	NB		0 540		NS		NS		NB		0 462		NS		NS		NS		0 768		0 835	
	25-Apr-08	NS		NS		0 584		NS		NS		NS		0 745		NS		0 428		NS		0 536	
	28-May-08	NS		NS		NS		0 730		NB		NS		NS		1 030		1 120		0 810		NS	
	27-Jun-08	0 820		NB		NS		NS		0 488		NE		NB		NS		NS		0 499		0 399	
	31-Jul-08	NB		0 416		NS		NS		NS		NE		NB		NS		0 358		NS		0 295	
	26-Aug-08	NS		NS		1 020		NS		NS		NE		NS		NS		0 815		0 882		NS	
	30-Sep-08	NB		NE		NB		1 600	U	NS		NE		0 537		NB		1 600	U	1 600	U	1 600	U
	27-Oct-08	1 600	U	NE		NB		NS		1 600	U	NE		NB		NB		NS		1 600	U	1 600	U
	25-Nov-08	NB		1 600	U	NB		NB		NS		1 600	U	NB		NE		1 600	U	NS		1 600	U
	18-Dec-08	NB		NB		1 600	U	NB		NB		NS		NB		1 600	U	NS		1 600	U	1 600	U
	21-Jan-09	NB		NB		NB		1 600	U	NB		NB		NB		NB		1 600	U	NB		NB	
	25-Feb-09	1 600	U	NB		NB		NB		1 600	U	NB		NB		NB		NB		1 600	U	1 600	U
	26-Mar-09	NS		2 100		NS		NS		NS		3 230		0 348		NB		0 323		0 845		0 367	

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Summary of Sub-Slab Air Sampling Data - Adelaide Avenue School Project - Volatile Organic Compounds
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Volatile Organic Compounds via TO-15	Sample Date	MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	MP-1	Qual	MP-2	Qual	MP-3	Qual
Benzene	15-Mar-07	680.000	U	540.000	U	540.000	U	540.000	U	570.000	U	230.000	U	84.000	U	250.000	U	NS		NS		NS	
	22-Mar-07	83.700	U	83.700	U	83.700	U	83.700	U	83.700	U	83.700	U	83.700	U	33.500	U	NS		NS		NS	
	26-Apr-07	33.500	U	33.500	U	33.500	U	33.500	U	33.500	U	33.500	U	33.500	U	33.500	U	NS		NS		NS	
	21-May-07	80.900	U	33.500	U	33.500	U	34.600	U	83.500	U	33.500	U	3.350	U	33.500	U	NS		NS		NS	
	29-Jun-07	0.870	U	0.870	U	0.870	U	0.870	U	0.870	U	1.300	U	0.870	U	0.870	U	NS		NS		NS	
	30-Jul-07	0.870	U	NS		NS		1.700	U	NS		0.870	U	3.400	U	NS		NS		NS		NS	
	22-Aug-07	NS		NS		1.340	U	NS		3.350	U	NS		NS		NS		1.340	U	0.130	U	NS	
	20-Sep-07	NS		3.350	U	NS		NS		NS		NS		NS		3.350	U	NS		0.130	U	0.130	U
	9-Oct-07	3.350	U	NS		NS		NS		0.670	U	NS		NS		NS		0.134	U	NS		0.134	U
	7-Nov-07	NS		0.130	U	NS		NS		NS		0.130	U	NS		NS		0.130	U	0.130	U	NS	
	6-Dec-07	NS		NS		0.130	U	NS		NS		NS		0.130	U	NS		NS		0.130	U	0.130	U
	8-Jan-08	NS		NS		NS		0.130	U	NS		NS		NS		0.130	U	0.130	U	NS		NS	
	6-Feb-08	0.130	U	NS		NS		NS		0.130	U	NS		NS		NS		NS		0.130	U	0.134	U
	27-Mar-08	NS		0.134	U	NS		NS		NS		0.134	U	NS		NS		0.134	U	NS		0.134	U
	25-Apr-08	NS		NS		0.134	U	NS		NS		NS		0.134	U	NS		0.130	U	0.130	U	NS	
	29-May-08	NS		NS		NS		0.130	U	NS		NS		NS		NS		NS		0.134	U	0.134	U
	27-Jun-08	0.268	U	NS		NS		NS		NS		NS		NS		NS		0.134	U	NS		0.134	U
	31-Jul-08	NS		0.134	U	NS		NS		NS		NS		NS		0.134	U	0.134	U	0.134	U	NS	
	26-Aug-08	NS		NS		0.134	U	NS		NS		NS		NS		0.134	U	0.130	U	0.230		0.130	U
	30-Sep-08	NS		NS		NS		0.529		NS		NS		NS		NS		NS		0.130	U	0.130	U
	27-Oct-08	0.130	U	NS		NS		NS		1.870		NS		NS		NS		0.130	U	3.000		NS	
	25-Nov-08	NS		0.130	U	NS		NS		NS		NS		0.130	U	NS		NS		0.130	U	0.130	U
	18-Dec-08	NS		NS		0.130	U	NS		NS		NS		NS		NS		0.130	U	NS		0.130	U
	21-Jan-09	NS		NS		NS		0.130	U	NS		NS		NS		NS		0.130	U	0.130	U	NS	
	25-Feb-09	0.130	U	NS		NS		NS		0.130	U	NS		NS		NS		NS		0.134	U	0.134	U
	26-Mar-09	NS		0.870	U	NS		NS		NS		1.340	U	NS		NS		0.134	U			0.134	U
	28-Apr-09					0.134	U							0.134	U								
Bromoform	15-Mar-07	930.000	U	890.000	U	890.000	U	900.000	U	940.000	U	380.000	U	140.000	U	380.000	U	NS		NS		NS	
	22-Mar-07	129.000	U	129.000	U	129.000	U	129.000	U	129.000	U	129.000	U	129.000	U	51.600	U	NS		NS		NS	
	26-Apr-07	51.600	U	51.600	U	51.600	U	51.600	U	51.600	U	51.600	U	51.600	U	51.600	U	NS		NS		NS	
	21-May-07	94.000	U	51.600	U	51.600	U	91.900	U	51.600	U	51.600	U	5.160	U	51.600	U	NS		NS		NS	
	29-Jun-07	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	2.100	U	1.000	U	1.000	U	NS		NS		NS	
	30-Jul-07	1.000	U	NS		NS		2.100	U	NS		1.000	U	5.200	U	NS		NS		NS		NS	
	22-Aug-07	NS		NS		2.060	U	NS		5.160	U	NS		NS		NS		2.060	U	0.206	U	NS	
	20-Sep-07	NS		5.160	U	NS		NS		NS		NS		NS		NS		5.160	U	NS		0.206	U
	9-Oct-07	5.160	U	NS		NS		NS		1.030	U	NS		NS		NS		NS		0.206	U	0.206	U
	7-Nov-07	NS		0.210	U	NS		NS		NS		0.210	U	NS		NS		0.210	U	0.210	U	NS	
	6-Dec-07	NS		NS		0.210	U	NS		NS		NS		0.210	U	NS		NS		0.210	U	0.210	U
	8-Jan-08	NS		NS		NS		0.210	U	NS		NS		NS		0.210	U	0.210	U	0.210	U	NS	
	6-Feb-08	0.210	U	NS		NS		NS		0.210	U	NS		NS		NS		0.210	U	0.210	U	0.210	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	
	27-Jun-08	0.322	U	NS		NS		NS		0.206	U	NS		NS		NS		NS		0.206	U	0.206	U
	31-Jul-08	NS		0.206	U	NS		NS		NS		NS		NS		0.206	U	0.206	U	0.206	U	NS	
	26-Aug-08	NS		NS		0.206	U	NS		NS		NS		NS		NS		0.410	U	NS		0.410	U
	30-Sep-08	NS		NS		NS		0.410	U	NS		NS		NS		NS		0.410	U	NS		0.410	U
	27-Oct-08	0.410	U	NS		NS		NS		0.410	U	NS		0.410	U	NS		0.410	U	0.410	U	NS	
	25-Nov-08	NS		0.140	U	NS		NS		NS		0.410	U	NS		NS		0.410	U	0.410	U	0.410	U
	18-Dec-08	NS		NS		0.410	U	NS		NS		NS		0.410	U	NS		0.410	U	NS		0.410	U
	21-Jan-09	NS		NS		NS		0.410	U	NS		NS		NS		NS		0.410	U	0.410	U	NS	
	25-Feb-09	0.410	U	NS		NS		NS		0.140	U	NS		NS		NS		NS		0.206	U	0.206	U
	26-Mar-09	NS		1.030	U	NS		NS		NS		2.060	U	NS		NS		0.206	U			0.206	U
	28-Apr-09					0.206	U							0.206	U								
Carbon tetrachloride	15-Mar-07	570.000	U	540.000	U	540.000	U	540.000	U	530.000	U	220.000	U	83.000	U	240.000	U	NS		NS		NS	
	22-Mar-07	78.800	U	78.800	U	78.800	U	78.800	U	78.800	U	78.800	U	78.800	U	31.400	U	NS		NS		NS	
	26-Apr-07	31.400	U	31.400	U	31.400	U	31.400	U	31.400	U	31.400	U	31.400	U	31.400	U	NS		NS		NS	
	21-May-07	57.200	U	31.400	U	31.400	U	55.300	U	31.400	U	31.400	U	3.140	U	31.400	U	NS		NS		NS	
	29-Jun-07	0.630	U	0.630	U	0.630	U	0.630	U	0.630	U	1.300	U	0.630	U	0.630	U	NS		NS		NS	
	30-Jul-07	0.630	U	NS		NS		1.300	U	NS		0.630	U	3.100	U	NS		NS		NS		NS	
	22-Aug-07	NS		NS		1.260	U	NS		3.140	U	NS		NS		NS		1.300	U	0.750	U	0.300	U
	20-Sep-07	NS		3.140	U	NS		NS		NS		NS		NS		3.140	U	NS		0.410	U	0.509	U
	9-Oct-07	3.140	U	NS		NS		NS		0.628	U	NS		NS		NS		0.528		NS		NS	
	7-Nov-07	NS		0.629		NS		NS		NS		0.529		NS		NS		0.560		0.550	U	0.500	U
	6-Dec-07	NS		NS		0.450		NS		NS		NS		0.490		NS		NS		0.500	U	0.570	U
	8-Jan-08	NS		NS		NS		0.590		NS		NS		0.560		NS		0.590		NS		NS	
	6-Feb-08	0.440		NS		NS		NS		0.490		NS		NS		NS		0.530		0.450	U	0.574	U
	27-Mar-08	NS		0.539		NS		NS		NS		0.477		NS		NS		0.574		0.576	U	0.446	U
	25-Apr-08	NS		NS		0.417		NS		NS		NS		0.448		NS		0.458		NS		NS	
	29-May-08	NS		NS		NS		0.480		NS		NS		NS		0.460		0.470		0.633		0.553	
	27-Jun-08	0.478		NS		NS		NS		0.504		NS		NS		NS		NS		NS		0.495	
	31-Jul-08	NS		0.576		NS		NS		NS		NS		NS		0.646		0.647		0.643		NS	
	26-Aug-08	NS		NS		0.515		NS		NS		NS		NS		0.649		NS		0.651		0.499	
	30-Sep-08	NS		NS		NS		0.511		NS		NS		NS		0.577		NS		NS		0.540	
	27-Oct-08	0.480		NS		NS		NS		0.360		NS		NS		NS		0.410		0.440		NS	
	25-Nov-08	NS		0.500		NS		NS		NS		0.480		NS		NS		0.300		0.480		0.490	
	18-Dec-08	NS		NS		0.230		NS		NS		NS		0.280		NS		NS		NS		0.870	
	21-Jan-09	NS		NS		NS		0.360		NS		NS		NS		0.470		0.276		0.380		NS	
	25-Feb-09	0.390		NS		NS		NS		0.360		NS		NS		NS		0.370		0.801		0.585	
	26-Mar-09	NS		0.629	U	NS		NS		NS		1.280	U	NS		NS		NS				0.684	
	28-Apr-09					0.484								0.528				0.522					

Date Modified 8/23/2009

Summary of Sub-Slab Air Sampling Data - Adelaide Avenue School Project - Volatile Organic Compounds
March 2007 - April 2009

Volatile Organic Compounds via TO-15	Sample Date	MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		MP-1		MP-2		MP-3	
			Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual
Chloroethane	15-Mar-07	420 000	U	400 000	U	400 000	U	400 000	U	390 000	U	180 000	U	61 000	U	170 000	U	NS		NS		NS	
	22-Mar-07	57 500	U	57 500	U	57 500	U	57 500	U	57 500	U	57 500	U	57 500	U	23 000	U	NS		NS		NS	
	26-Apr-07	23 000	U	23 000	U	23 000	U	23 000	U	23 000	U	23 000	U	23 000	U	23 000	U	NS		NS		NS	
	21-May-07	41 800	U	23 000	U	23 000	U	40 500	U	23 000	U	23 000	U	2 300	U	23 000	U	NS		NS		NS	
	28-Jun-07	0 539		0 480	U	0 480	U	0 480	U	0 480	U	0 970	U	0 460	U	0 460	U	NS		NS		NS	
	30-Jul-07	0 480	U	NS		NS		0 829	U	NS		2 400	U	2 300	U	NS		NS		NS		NS	
	22-Aug-07	NS		NS		0 820	U	NS		2 300	U	NS		NS		NS		0 820	U	0 092	U	NS	
	20-Sep-07	NS		2 300	U	NS		NS		NS		NS		NS		NS		2 300	U	0 092	U	0 092	U
	9-Oct-07	2 300	U	NS		NS		NS		0 460	U	NS		NS		NS		0 092	U	NS		0 092	U
	7-Nov-07	NS		0 090	U	NS		NS		NS		NS		0 090	U	NS		NS		0 090	U	NS	
	6-Dec-07	NS		NS		0 090	U	NS		NS		NS		NS		NS		NS		0 090	U	0 090	U
	8-Jan-08	NS		NS		NS		0 090	U	NS		NS		NS		NS		0 140		0 090	U	0 090	U
	8-Feb-08	0 090	U	NS		NS		0 090	U	NS		NS		NS		NS		NS		0 090	U	NS	
	27-Mar-08	NS		0 092	U	NS		NS		NS		NS		0 092	U	NS		NS		0 092	U	0 092	U
	25-Apr-08	NS		NS		0 092	U	NS		NS		NS		NS		NS		0 092	U	NS		0 092	U
	28-May-08	NS		NS		NS		0 090	U	NS		NS		NS		NS		0 090	U	0 092	U	NS	
	27-Jun-08	0 207		NS		NS		NS		0 092	U	NS		NS		NS		NS		0 092	U	0 092	U
	31-Jul-08	NS		0 092	U	NS		NS		NS		NS		NS		NS		0 092	U	NS		0 092	U
	28-Aug-08	NS		NS		0 092	U	NS		NS		NS		0 092	U	NS		0 092	U	0 092	U	NS	
	25-Sep-08	NS		NS		NS		2 300	U	NS		NS		NS		NS		2 300	U	NS		2 300	U
	27-Oct-08	2 300	U	NS		NS		NS		2 300	U	NS		NS		NS		NS		2 300	U	2 300	U
	26-Nov-08	NS		2 300	U	NS		NS		NS		2 300	U	NS		NS		2 300	U	2 300	U	NS	
	18-Dec-08	NS		NS		2 300	U	NS		NS		NS		2 300	U	NS		NS		NS		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	
	26-Mar-09	NS		0 460	U	NS		NS		NS		0 970	U	NS		NS		NS		0 092	U	0 092	U
	29-Apr-09					0 092	U							0 092	U			0 092	U				
Chloromethane	15-Mar-07	240 000	U	230 000	U	230 000	U	230 000	U	220 000	U	91 000	U	35 000	U	89 000	U	NS		NS		NS	
	22-Mar-07	33 000	U	33 000	U	33 000	U	33 000	U	33 000	U	33 000	U	33 000	U	13 200	U	NS		NS		NS	
	26-Apr-07	13 200	U	13 200	U	13 200	U	13 200	U		U	13 200	U	13 200	U	13 200	U	NS		NS		NS	
	21-May-07	24 000	U	13 200	U	13 200	U	23 200	U	13 200	U	13 200	U	1 520	U	13 200	U	NS		NS		NS	
	28-Jun-07	0 240	U	0 240	U	0 240	U	0 240	U	0 260	U	0 530	U	0 260	U	0 260	U	NS		NS		NS	
	30-Jul-07	0 240	U	NS		NS		0 530	U	NS		0 260	U	1 300	U	NS		NS		NS		NS	
	22-Aug-07	NS		NS		0 527	U	NS		1 329	U	NS		NS		NS		0 527	U	0 058		NS	
	20-Sep-07	NS		1 325	U	NS		NS		NS		NS		NS		1 320	U	NS		0 053	U	0 053	U
	9-Oct-07	1 320	U	NS		NS		NS		0 264	U	NS		NS		NS		0 053	U	NS		0 053	U
	7-Nov-07	NS		0 050	U	NS		NS		NS		0 050	U	NS		NS		0 050	U	0 060		NS	
	6-Dec-07	NS		NS		0 110		NS		NS		NS		NS		0 050	U	NS		0 050	U	0 050	U
	8-Jan-08	NS		NS		NS		0 110		NS		NS		NS		NS		0 050	U	0 050	U	NS	
	8-Feb-08	0 050	U	NS		NS		NS		0 050	U	NS		NS		NS		0 050	U	0 050	U	0 053	U
	27-Mar-08	NS		0 053	U	NS		NS		NS		0 053	U	NS		NS		NS		0 053	U	0 053	U
	25-Apr-08	NS		NS		0 053	U	NS		NS		NS		0 139		NS		0 053	U	NS		0 053	U
	28-May-08	NS		NS		NS		0 110		NS		NS		NS		0 100		0 070		0 050	U	NS	
	27-Jun-08	0 082	U	NS		NS		NS		0 132		NS		NS		NS		NS		0 053	U	0 053	U
	31-Jul-08	NS		0 053	U	NS		NS		NS		NS		NS		NS		0 053	U	NS		0 053	U
	28-Aug-08	NS		NS		0 053	U	NS		NS		NS		NS		0 153		0 053	U	0 075		NS	
	30-Sep-08	NS		NS		NS		1 300	U	NS		NS		NS		1 300	U	NS		1 300	U	1 300	U
	27-Oct-08	1 300	U	NS		NS		NS		1 300	U	NS		NS		NS		1 300	U	NS		1 300	U
	25-Nov-08	NS		1 300	U	NS		NS		NS		1 300	U	NS		NS		1 300	U	NS		NS	
	18-Dec-08	NS		NS		1 300	U	NS		NS		NS		1 300	U	NS		NS		1 300	U	1 300	U
	21-Jan-09	NS		NS		NS		1 300	U	NS		NS		NS		1 300	U	1 300	U	NS		1 300	U
	25-Feb-09	1 300	U	NS		NS		NS		1 300	U	NS		NS		NS		1 300	U	NS		NS	
	28-Mar-09	NS		0 264	U	NS		NS		NS		0 527	U	NS		NS		NS		0 121		0 053	U
	29-Apr-09					0 137								0 053	U			0 053	U				
Chloroform	15-Mar-07	440 000	U	420 000	U	420 000	U	420 000	U	410 000	U	170 000	U	64 000	U	160 000	U	NS		NS		NS	
	22-Mar-07	61 000	U	61 000	U	61 000	U	61 000	U	61 000	U	61 000	U	61 000	U	24 400	U	NS		NS		NS	
	26-Apr-07	24 400	U	24 400	U	24 400	U	24 400	U	24 400	U	24 400	U	24 400	U	24 400	U	NS		NS		NS	
	21-May-07	44 400	U	24 400	U	24 400	U	42 900	U	24 400	U	24 400	U	2 440	U	24 400	U			NS		NS	
	28-Jun-07	0 480	U	0 480	U	0 480	U	0 490	U	0 480	U	0 960	U	0 480	U	0 480	U	NS		NS		NS	
	30-Jul-07	0 480	U	NS		NS		0 960	U	NS		0 480	U	2 400	U	NS		NS		NS		NS	
	22-Aug-07	NS		NS		0 880	U	NS		2 440	U	NS		NS		NS		NS		0 880	U	0 180	
	20-Sep-07	NS		2 440	U	NS		NS		NS		NS		NS		2 440	U	NS		0 250		0 170	
	9-Oct-07	2 440	U	NS		NS		NS		0 484	U	NS		NS		NS		0 200		NS		0 205	
	7-Nov-07	NS		0 180		NS		NS		NS		0 180	U	NS		NS		0 230		0 270		NS	
	6-Dec-07	NS		NS		0 220		NS		NS		NS		0 180	U	NS		NS		0 140		0 210	
	8-Jan-08	NS		NS		NS		0 290		NS		NS		NS		0 290		0 210		NS		0 260	
	8-Feb-08	0 180	U	NS		NS		NS		NS	U	NS		NS		NS		0 120		0 120		NS	
	27-Mar-08	NS		0 096	U	NS		NS		NS		0 125		NS		NS		NS		0 453		0 847	
	25-Apr-08	NS		NS		0 231		NS		NS		NS		0 201		NS		0 134		NS		0 285	
	28-May-08	NS		NS		NS		0 140		NS		NS		NS		0 100	U	0 110		0 140		NS	
	27-Jun-08	0 283		NS		NS		NS		0 623		NS		NS		NS		NS		0 305		0 395	
	31-Jul-08	NS		0 145		NS		NS		NS		NS		NS		NS		0 130		NS		0 124	
	28-Aug-08	NS		NS		0 084	U	NS		NS		NS		NS		NS		0 331		0 346		NS	
	30-Sep-08	NS		NS		NS		0 480	U	NS		NS		NS		0 490	U	NS		0 490	U	0 490	U
	27-Oct-08	0 490	U	NS		NS		NS		0 480	U	NS		NS		NS		0 490	U	NS		0 490	U
	25-Nov-08	NS		0 240	U	NS		NS		NS		0 240	U	NS		NS		0 240	U	0 240	U	NS	
	18-Dec-08	NS		NS		0 240	U	NS		NS		NS		0 240	U	NS		NS		0 240	U	0 240	U
	21-Jan-09	NS		NS		NS		0 240	U	NS		NS		NS		0 240	U	0 240	U	NS		0 240	U
	25-Feb-09	0 240	U	NS		NS		NS		0 240	U	NS		NS		NS		0 240	U	0 240	U	NS	
	26-Mar-09	NS		0 488	U	NS		NS		NS		1 280		NS		NS		NS		0 265		0 200	
	29-Apr-09					0 094	U							0 138				0 084	U			1 240	

Summary of Sub-Slab Air Sampling Data - Adelaide Avenue School Project - Volatile Organic Compounds
March 2007 - April 2009

Volatile Organic Compounds via TO-15	Sample Date	MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		MP-1		MP-2		MP-3	
			Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual
Chloroethane	15-Mar-07	4700.000	U	4400.000	U	4400.000	U	4500.000	U	4400.000	U	1800.000	U	880.000	U	1900.000	U	NS		NS		NS	
	22-Mar-07	25.800	U	25.800	U	25.800	U	25.800	U	25.800	U	25.800	U	25.800	U	10.300	U	NS		NS		NS	
	26-Apr-07	10.300	U	10.300	U	10.300	U	10.300	U	10.300	U	10.300	U	10.300	U	10.300	U			NS		NS	
	21-May-07	10.300	U	10.300	U	10.300	U	10.300	U	10.300	U	10.300	U	10.300	U	10.300	U	NS		NS		NS	
	29-Jun-07	0.410	U	0.410	U	0.410	U	0.410	U	0.410	U	0.830	U	0.410	U	0.410	U	NS		NS		NS	
	30-Jul-07	5.200	U	NS		NS		10.000	U	NS		5.200	U	26.000	U	NS		NS		NS		NS	
	22-Aug-07	NS		NS		24.400	U	NS		61.000	U	NS		NS		24.400	U	NS		7.830		NS	
	20-Sep-07	NS		61.000	U	NS		NS		NS		NS		NS		61.000	U	NS		2.440	U	2.440	U
	9-Oct-07	61.000	U	NS		NS		NS		12.200	U	NS		NS		NS		NS		2.980		3.130	
	7-Nov-07	NS		2.570		NS		NS		NS		3.250		NS		NS		NS		2.440	U	2.440	U
	6-Dec-07	NS		NS		2.440	U	NS		NS		NS		2.440	U	NS		NS		2.440	U	2.440	U
	8-Jan-08	NS		NS		NS		2.440	U	NS		NS		NS		2.440	U	NS		2.440	U	NS	
	8-Feb-08	2.440	U	NS		NS		NS		2.440	U	NS		NS		NS		NS		2.440	U	2.440	U
	27-Mar-08	NS		2.670		NS		NS		NS		3.240		NS		NS		NS		NS		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
	28-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		NS		2.440	U	NS	
	28-Aug-08	NS		NS		2.440	U	NS		NS		NS		2.440	U	NS		2.440	U	2.440	U	2.440	U
	30-Sep-08	NS		NS		NS		1.000	U	NS		NS		NS		NS		1.000	U	NS		3.500	
	27-Oct-08	1.000	U	NS		NS		NS		1.000	U	NS		NS		NS		1.100		1.000	U	NS	
	25-Nov-08	NS		1.000	U	NS		NS		NS		NS		1.000	U	NS		NS		1.000	U	1.000	U
	18-Dec-08	NS		NS		1.000	U	NS		NS		NS		NS		NS		NS		1.400		1.000	U
	21-Jan-09	NS		NS		NS		1.000	U	NS		NS		NS		NS		3.100		1.000	U	1.000	U
	25-Feb-09	1.000		NS		NS		NS		1.000	U	NS		NS		NS		1.000	U	NS		NS	
	26-Mar-09	NS		12.200	U	NS		NS		NS		24.400	U	NS		NS		1.000	U	1.200		2.440	U
	29-Apr-09					22.400								18.400				2.440	U	4.580		2.440	U
cis-1,2-Dichloroethene	15-Mar-07	360.000	U	340.000	U	340.000	U	340.000	U	340.000	U	140.000	U	52.000	U	150.000	U	NS		NS		NS	
	22-Mar-07	49.500	U	49.500	U	49.500	U	49.500	U	49.500	U	49.500	U	49.500	U	19.800	U	NS		NS		NS	
	26-Apr-07	19.800	U	19.800	U	19.800	U	19.800	U			19.800	U	19.800	U	19.800	U	NS		NS		NS	
	21-May-07	36.000	U	19.800	U	19.800	U	34.000	U	19.800	U	19.800	U	19.800	U	19.800	U	NS		NS		NS	
	29-Jun-07	0.450	U	0.450	U	0.450	U	0.450	U	0.450	U	0.810	U	0.450	U	0.450	U	NS		NS		NS	
	30-Jul-07	0.400	U	NS		NS		0.790	U	NS		0.400	U	2.000	U	NS		NS		NS		NS	
	22-Aug-07	NS		NS		0.790	U	NS		1.980	U	NS		NS		NS		0.790	U	0.080	U	0.080	U
	20-Sep-07	NS		1.960	U	NS		NS		NS		NS		NS		1.980	U	NS		0.080	U	NS	
	9-Oct-07	1.980	U	NS		NS		NS		0.396	U	NS		NS		NS		0.079	U	NS		0.079	U
	7-Nov-07	NS		0.080	U	NS		NS		NS		0.080	U	NS		NS		0.080	U	0.080	U	NS	
	6-Dec-07	NS		NS		0.080	U	NS		NS		NS		NS		0.080	U	NS		0.080	U	0.080	U
	8-Jan-08	NS		NS		NS		0.080	U	NS		NS		NS		NS		0.080	U	NS		NS	
	8-Feb-08	0.080	U	NS		NS		NS		0.080	U	NS		NS		NS		0.080	U	0.080	U	0.079	U
	27-Mar-08	NS		0.079	U	NS		NS		NS		0.079	U	NS		NS		NS		0.078	U	NS	
	25-Apr-08	NS		NS		0.079	U	NS		NS		NS		0.079	U	NS		0.078	U	NS		0.079	U
	28-May-08	NS		NS		NS		0.080	U	NS		NS		NS		0.080	U	0.080	U	0.080	U	NS	
	27-Jun-08	0.123	U	NS		NS		NS		0.079	U	NS		NS		NS		0.079	U	0.079	U	0.079	U
	31-Jul-08	NS		0.079	U	NS		NS		NS		NS		NS		NS		0.078	U	NS		0.079	U
	28-Aug-08	NS		NS		0.079	U	NS		NS		NS		0.079	U	NS		0.078	U	0.079	U	NS	
	30-Sep-08	NS		NS		NS		5.900	U	NS		NS		NS		5.900	U	NS		5.900	U	5.900	U
	27-Oct-08	2.000	U	NS		NS		NS		2.000	U	NS		NS		NS		2.000	U	NS		2.000	U
	25-Nov-08	NS		2.000	U	NS		NS		NS		2.000	U	NS		NS		2.000	U	2.000	U	NS	
	18-Dec-08	NS		NS		2.000	U	NS		NS		NS		NS		2.000	U	NS		2.000	U	2.000	U
	21-Jan-09	NS		NS		NS		2.000	U	NS		NS		NS		2.000	U	NS		2.000	U	NS	
	25-Feb-09	2.000	U	NS		NS		NS		2.000	U	NS		NS		NS		NS		NS		0.079	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					0.079	U							0.079	U								
cis-1,3-Dichloropropene	15-Mar-07	410.000	U	390.000	U	390.000	U	390.000	U	390.000	U	160.000	U	60.000	U	170.000	U	NS		NS		NS	
	22-Mar-07	56.700	U	56.700	U	56.700	U	56.700	U	56.700	U	56.700	U	56.700	U	22.700	U	NS		NS		NS	
	26-Apr-07	22.700	U	22.700	U	22.700	U	22.700	U	22.700	U	22.700	U	22.700	U	22.700	U	NS		NS		NS	
	21-May-07	41.300	U	22.700	U	22.700	U	39.000	U	22.700	U	22.700	U	2.270	U	22.700	U			NS		NS	
	29-Jun-07	0.450	U	0.450	U	0.450	U	0.450	U	0.450	U	0.810	U	0.450	U	0.450	U	NS		NS		NS	
	30-Jul-07	0.450	U	NS		NS		0.910	U	NS		0.450	U	2.300	U	NS		NS		NS		NS	
	22-Aug-07	NS		NS		0.907	U	NS		2.270	U	NS		NS		NS		0.907	U	0.091	U	NS	
	20-Sep-07	NS		2.270	U	NS		NS		NS		NS		NS		2.270	U	NS		0.091	U	0.091	U
	9-Oct-07	2.270	U	NS		NS		NS		0.453	U	NS		NS		NS		0.091	U	NS		0.091	U
	7-Nov-07	NS		0.090	U	NS		NS		NS		0.090	U	NS		NS		0.090	U	0.090	U	NS	
	6-Dec-07	NS		NS		0.090	U	NS		NS		NS		0.090	U	NS		0.090	U	0.090	U	0.090	U
	8-Jan-08	NS		NS		NS		0.090	U	NS		NS		NS		0.090	U	NS		0.090	U	NS	
	8-Feb-08	0.090	U	NS		NS		NS		0.090	U	NS		NS		NS		0.090	U	0.090	U	0.091	U
	27-Mar-08	NS		0.091	U	NS		NS		NS		0.091	U	NS		NS		0.091	U	NS		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
	28-May-08	NS		NS		NS		0.090	U	NS		NS		NS		0.090	U	0.090	U	0.091	U	NS	
	27-Jun-08	0.141	U	NS		NS		NS		0.091	U	NS		NS		NS		0.091	U	NS		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		NS		NS		0.091	U	0.091	U	NS	
	27-Oct-08	NS		NS		NS		0.180	U	NS		NS		NS		0.180	U	NS		0.180	U	0.180	U
	27-Oct-08	0.180	U	NS		NS		NS		0.180	U	NS		NS		NS		0.180	U	NS		0.180	U
	25-Nov-08	NS		0.180	U	NS		NS		NS		0.180	U	NS		NS		0.180	U	0.180	U	NS	
	18-Dec-08	NS		NS		0.180	U	NS		NS		NS		0.180	U	NS		NS		0.180	U	0.180	U
	21-Jan-09	NS		NS		NS		0.180	U	NS		NS		NS		0.180	U	0.180	U	0.180	U	NS	
	25-Feb-09	0.180	U	NS		NS		NS		0.180	U	NS		NS		NS		NS		0.180	U	0.180	U
	26-Mar-09	NS		0.453	U	NS		NS		NS		0.907	U	NS		NS		NS		0.091	U	0.810	U
	29-Apr-09					0.091	U							0.091	U							0.091	U

Date Modified 6/23/2009

Summary of Sub-Slab Air Sampling Data - Adelaide Avenue School Project - Volatile Organic Compounds
March 2007 - April 2009

Volatile Organic Compounds via TO-15	Sample Date	MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual
Dichlorodifluoromethane	15-Mar-07	770 000	U	730 000	U	730 000	U	740 000	U	720 000	U	280 000	U	110 000	U	320 000	U	NS		NS		NS	
	22-Mar-07	106 000	U	106 000	U	106 000	U	109 000	U	106 000	U	106 000	U	106 000	U	42 800	U	NS		NS		NS	
	26-Apr-07	42 800	U	42 600	U	42 600	U	42 600	U	43 800	U	42 600	U	42 600	U	42 800	U	NS		NS		NS	
	21-May-07	72 400	U	42 900	U	42 600	U	74 900	U	42 900	U	42 600	U	42 600	U	42 600	U	NS		NS		NS	
	29-Jun-07	0 850	U	0 850	U	0 850	U	0 850	U	0 850	U	1 700	U	0 850	U	0 850	U	NS		NS		NS	
	30-Jul-07	0 850	U	NS		1 700	U	NS		2 400	U	0 850	U	4 300	U	NS		NS		NS		NS	
	22-Aug-07	NS		NS		0 840	U	NS		NS		NS		NS		NS		0 840	U	0 084	U	NS	
	20-Sep-07	NS		2 400	U	NS		NS		NS		NS		NS		2 400	U	NS		0 098	U	0 098	U
	9-Oct-07	2 400	U	NS		NS		NS		0 480	U	NS		NS		NS		0 098	U	NS		0 098	U
	7-Nov-07	NS		0 100	U	NS		NS		NS		0 100	U	NS		NS		0 100	U	0 100	U	NS	
	6-Dec-07	NS		NS		0 100	U	NS		NS		NS		NS		NS		NS		0 100	U	0 100	U
	8-Jan-08	NS		NS		NS		0 100	U	NB		0 100	U	NS		0 100	U	0 100	U	NS		NS	
	8-Feb-08	0 100	U	NS		NS		NS		0 100	U	NS		NS		NS		0 100	U	0 100	U	0 100	U
	27-Mar-08	NS		0 098	U	NS		NS		NS		0 098	U	NS		NS		0 098	U	0 098	U	0 098	U
	25-Apr-08	NS		NS		0 098	U	NS		NS		NS		NS		0 098	U	0 098	U	NS		0 098	U
	29-May-08	NS		NS		NS		0 100	U	NS		NS		NS		0 100	U	NS		0 098	U	0 098	U
	27-Jun-08	0 150	U	NS		NS		NS		0 098	U	NS		NS		NS		0 098	U	NS		0 098	U
	31-Jul-08	NS		0 098	U	NS		NS		NS		NS		NS		NS		0 098	U	4 200	U	NS	
	28-Aug-08	NS		NS		0 098	U	NS		NS		NS		NS		NS		4 200	U	NS		4 200	U
	30-Sep-08	NS		NS		NS		4 200	U	NS		NS		NS		NS		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		NS	
	25-Nov-08	NS		4 200	U	NS		NS		NS		4 200	U	NB		NS		NS		4 200	U	4 200	U
	18-Dec-08	NS		NS		4 200	U	NS		NS		NS		NS		4 200	U	NS		4 200	U	4 200	U
	21-Jan-09	NB		NS		NS		4 200	U	NS		NB		NS		4 200	U	NS		4 200	U	NB	
	25-Feb-09	4 200	U	NS		NS		NS		4 200	U	NS		NB		NS		4 200	U	4 200	U	4 200	U
	26-Mar-09	NS		0 480	U	NB		NS		NB		0 980		NS		NS		NS		0 098	U	0 098	U
	28-Apr-09					0 098	U							0 098	U								
Dichlorotetrafluoroethane	15-Mar-07	450 000	U	420 000	U	420 000	U	430 000	U	420 000	U	170 000	U	65 000	U	180 000	U	NS		NS		NS	
	22-Mar-07	124 000	U	124 000	U	124 000	U	124 000	U	124 000	U	124 000	U	124 000	U	49 400	U	NS		NS		NS	
	26-Apr-07	49 400	U	49 400	U	49 400	U	49 400	U	49 400	U	49 400	U	49 400	U	49 400	U	NS		NS		NS	
	21-May-07	58 900	U	49 400	U	49 400	U	87 000	U	49 400	U	49 400	U	4 940	U	49 400	U	NS		NS		NS	
	29-Jun-07	2 200		2 200		2 100		0 850	U	0 490	U	2 500		2 300	U	2 000	U	NS		NS		NS	
	30-Jul-07	2 400		NS		NS		2 500		NS		2 200		3 000	U	NS		NS		NS		NS	
	22-Aug-07	NS		NS		2 820		NS		6 180	U	NS		NS		NS		3 810		2 340		NS	
	20-Sep-07	NS		6 180	U	NS		NS		NS		NS		NS		6 180	U	NS		1 980		1 770	
	9-Oct-07	6 180	U	NS		NS		NS		1 240	U	NS		NS		NS		2 650		NS		2 780	
	7-Nov-07	NS		2 800		NB		NB		NS		2 230		NS		NS		2 300		0 250	U	NS	
	6-Dec-07	NS		NS		3 140		NS		NS		NS		2 480		NS		NS		2 340		2 380	
	8-Jan-08	NS		NS		NS		2 820		NB		NS		NS		2 800		2 810		NS		2 810	
	8-Feb-08	2 000		NB		NS		NB		2 030		NS		NS		NS		1 920		2 000		NS	
	27-Mar-08	NS		2 290		NS		NS		NS		2 150		NS		NS		NS		2 720		4 140	
	25-Apr-08	NS		NS		2 010		NS		NS		NS		NS		2 110		2 040		NS		2 180	
	29-May-08	NB		NS		NS		1 830		NS		NS		NS		NS		1 870		1 880		NB	
	27-Jun-08	2 030		NS		NS		NS		2 520		NS		NB		NS		NS		2 270		3 480	
	31-Jul-08	NS		1 900		NS		NS		NS		NS		NS		NS		1 810		NS		1 870	
	28-Aug-08	NS		NS		3 130		NS		NS		NS		NS		2 800		2 750		2 880		NB	
	30-Sep-08	NS		NS		NS		2 500	U	NS		NS		NS		NS		NS	U	2 500	U	2 700	
	27-Oct-08	2 500	U	NS		NS		NS		2 500	U	NB		NS		NS		2 500	U	NS		2 500	U
	25-Nov-08	NS		215 000		NS		NS		NS		11 700		NS		NB		2 500	U	2 500	U	NS	
	18-Dec-08	NS		NS		25 000		NS		NS		NS		NS		2 500	U	NS		2 500	U	2 500	U
	21-Jan-09	NS		NS		NS		2 500	U	NB		NS		NB		NS		5 800		NS		2 500	U
	25-Feb-09	2 500	U	NS		NS		NS		19 400		NS		NS		NS		2 500	U	3 400	U	NS	
	26-Mar-09	NS		2 550		NS		NS		NS		2 480		NS		NS		2 500	U	2 480		2 410	
	28-Apr-09					2 410								3 780				2 290				2 400	
Ethylbenzene	15-Mar-07	390 000	U	370 000	U	370 000	U	380 000	U	370 000	U	150 000	U	57 000	U	160 000	U	NS		NS		NS	
	22-Mar-07	54 200	U	54 200	U	54 200	U	54 200	U	54 200	U	54 200	U	54 200	U	21 700	U	NS		NS		NS	
	26-Apr-07	21 700	U	21 700	U	21 700	U	21 700	U	21 700	U	21 700	U	21 700	U	21 700	U	NS		NS		NS	
	21-May-07	39 500	U	21 700	U	21 700	U	38 200	U	21 700	U	21 700	U	2 170	U	21 700	U	NS		NS		NS	
	29-Jun-07	15 000		0 430	U	0 430	U	0 430	U	0 430	U	0 870	U	0 870	U	0 430	U	NS		NS		NS	
	30-Jul-07	0 870		NS		NS		0 870	U	1 000		2 200		NS		NS		NS		NS		NS	
	22-Aug-07	NS		NS		0 868	U	NS		2 170	U	NS		NS		NS		0 868	U	0 594		NS	
	20-Sep-07	NS		2 170	U	NB		NB		NS		NS		NS		2 170	U	NS		0 954		1 100	
	9-Oct-07	2 170	U	NB		NB		NB		0 434	U	NB		NS		NB		1 650		NS		0 849	
	7-Nov-07	NS		0 150		NB		NB		NB		0 230		NS		NS		0 360		0 710		NS	
	6-Dec-07	NS		NB		0 120		NS		NS		NS		NS		0 180		NS		0 840		0 870	
	8-Jan-08	NB		NS		NS		1 010		NS		NS		NS		3 310		0 840		NB		0 310	
	8-Feb-08	0 210		NB		NS		NB		0 330		NS		NS		NS		0 330		4 890		NS	
	27-Mar-08	NS		0 295		NS		NB		NS		0 157		NS		NS		NS		0 845		0 372	
	25-Apr-08	NS		NS		0 291		NS		NS		NS		NS		0 320		NS		NB		0 585	
	29-May-08	NS		NS		NS		1 490		NS		NS		NS		NB		2 200		1 010		NS	
	27-Jun-08	4 340		NS		NB		NB		0 472		NB		NS		NS		NS		0 808		0 899	
	31-Jul-08	NS		0 820		NB		NB		NB		NB		NS		NS		0 750		NS		0 577	
	28-Aug-08	NS		NS		0 830		NB		NB		NB		NS		0 482		0 791		0 648		NS	
	30-Sep-08	NS		NS		NS		2 200	U	NB		NB		NB		NS	U	NS		2 200	U	2 200	U
	27-Oct-08	18 400		NS		NB		NB		2 200	U	NS		NS		NS		2 200	U	NB		2 200	U
	25-Nov-08	NS		2 200	U	NB		NB		NS		NB		2 200	U	NB		2 300		2 200	U	NS	
	18-Dec-08	NS		NB		2 200	U	NB		NB		NB		NB		2 200	U	NB		NB		2 200	U
	21-Jan-09	NS		NS		NS		2 200	U	NS		NB		NS		NS	U	2 200	U	2 200	U	NS	
	25-Feb-09	10 800		NS		NS		NS		2 200	U	NS	U	NS		NS		NB		2 200	U	1 188	
	26-Mar-09	NS		0 518		NB		NS		NB		0 868	U	NS		NS		0 191		0 845		0 325	
	28-Apr-09					0 190												0 304					

Summary of Sub-Slab Air Sampling Data - Adelaide Avenue School Project - Volatile Organic Compounds
March 2007 - April 2009

Volatile Organic Compounds via TO-15	Sample Date	MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		MP-9		MP-1		MP-2		MP-3	
			Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual
Methylene chloride	15-Mar-07	12000.000	U	12000.000	U	12000.000	U	12000.000	U	14000.000		4900.000	U	1800.000	U	5700.000	U	NS		NS		NS		NS	
	22-Mar-07	86.800	U	86.800	U	86.800	U	86.800	U	86.800	U	86.800	U	86.800	U	34.700	U	NS		NS		NS		NS	
	26-Apr-07	34.700	U	34.700	U	34.700	U	34.700	U	34.700	U	34.700	U	34.700	U	69.400	U	NS		NS		NS		NS	
	21-May-07	63.200	U	34.700	U	34.700	U	81.700	U	34.700	U	34.700	U	3.470	U	34.700	U	NS		NS		NS		NS	
	29-Jun-07	8.700	U	8.700	U	8.700	U	8.700	U	8.700	U	17.000	U	8.700	U	8.700	U	NS		NS		NS		NS	
	30-Jul-07	14.000	U	NS		NS		28.000	U	NS		14.000	U	69.000	U	NS		NS		NS		NS		NS	
	22-Aug-07	NS		NS		34.900	U	NS		91.300		NS		NS		NS		34.900	U	1.740	U	NS		NS	
	20-Sep-07	NS		43.400	U	NS		NS		NS		NS		NS		43.400	U	NS		1.740	U	1.740	U	1.740	U
	9-Oct-07	43.400	U	NS		NS		NS		8.680	U	NS		NS		NS		6.250		NS		1.740	U	1.740	U
	7-Nov-07	NS		1.740	U	NS		NS		NS		1.740	U	NS		NS		1.740	U	1.740	U	1.740	U	NS	
	5-Dec-07	NS		NS		1.740	U	NS		NS		NS		1.740	U	NS		NS		1.740	U	1.740	U	1.740	U
	8-Jan-08	NS		NS		NS		1.740	U	NS		NS		NS		NS		1.970		1.740	U	NS		1.740	U
	8-Feb-08	2.340		NS		NS		NS		1.740	U	NS		NS		NS		NS		1.740	U	1.740	U	NS	
	27-Mar-08	NS		1.740	U	NS		NS		NS		2.870		NS		NS		NS		NS		2.100		1.740	U
	25-Apr-08	NS		NS		1.740	U	NS		NS		NS		1.740	U	NS		1.740	U	NS		NS		1.740	U
	29-May-08	NS		NS		NS		1.740	U	NS		NS		NS		NS		1.740	U	2.910		1.740	U	NS	
	27-Jun-08	4.330	U	NS		NS		NS		3.660		NS		NS		NS		NS		2.780	U	NS		2.780	U
	31-Jul-08	NS		1.740	U	NS		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	1.740	U	NS	
	30-Sep-08	NS		NS		NS		1.700	U	NS		NS		NS		1.700	U	NS		1.700	U	NS		1.700	U
	21-Oct-08	1.700	U	NS		NS		NS		1.700	U	NS		NS		NS		1.700	U	NS		1.700	U	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		1.700	U
	18-Dec-08	NS		NS		1.700	U	NS		NS		NS		1.700	U	NS		NS		1.700	U	1.700	U	1.700	U
	21-Jan-09	NS		NS		NS		1.700	U	NS		NS		NS		1.700	U	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		NS	
	26-Mar-09	NS		16.100		NS		NS		NS		17.400	U	NS		NS		NS		1.740	U	1.800	U	1.800	U
	29-Apr-09					1.740	U							1.740	U			1.740	U					1.740	U
Methyl tert butyl ether (MTBE)	15-Mar-07	330.000	U	310.000	U	310.000	U	310.000	U	310.000	U	120.000	U	46.000	U	140.000	U	NS		NS		NS		NS	
	22-Mar-07	45.000	U	45.000	U	45.000	U	45.000	U	45.000	U	45.000	U	45.000	U	20.500	U	NS		NS		NS		NS	
	26-Apr-07	18.000	U	18.000	U	18.000	U	18.000	U	18.000	U	18.000	U	18.000	U	18.000	U	NS		NS		NS		NS	
	21-May-07	32.800	U	18.000	U	18.000	U	31.700	U	18.000	U	18.000	U	1.800	U	18.000	U	NS		NS		NS		NS	
	29-Jun-07	0.540		0.729		0.360	U	0.360	U	0.360	U	0.720	U	0.360	U	0.360	U	NS		NS		NS		NS	
	30-Jul-07	0.360	U	NS		NS		0.729	U	NS		0.360	U	1.800	U	NS		NS		NS		NS		NS	
	22-Aug-07	NS		NS		0.720	U	NS		1.800	U	NS		NS		NS		NS		0.720	U	9.072	U	NS	
	20-Sep-07	NS		1.800	U	NS		NS		NS		NS		NS		1.800	U	NS		0.072	U	0.072	U	0.072	U
	9-Oct-07	1.800	U	NS		NS		NS		0.360	U	NS		NS		NS		NS		0.043		NS		0.072	U
	7-Nov-07	NS		0.070	U	NS		NS		NS		0.070	U	NS		NS		NS		0.070	U	0.070	U	NS	
	5-Dec-07	NS		NS		0.070	U	NS		NS		NS		0.070	U	NS		NS		0.070	U	NS		0.070	U
	8-Jan-08	NS		NS		NS		0.100		NS		NS		NS		NS		0.180		0.280		NS		0.120	
	8-Feb-08	0.070	U	NS		NS		NS		0.070	U	NS		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		NS		0.165		0.126	
	25-Apr-08	NS		NS		0.072	U	NS		NS		NS		0.072	U	NS		0.072	U	NS		NS		0.078	
	29-May-08	NS		NS		NS		0.070	U	NS		NS		NS		0.070	U	0.070	U	0.070	U	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	0.072	U
	31-Jul-08	NS		0.072	U	NS		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		NS	
	30-Sep-08	NS		NS		NS		1.800	U	NS		NS		NS		1.800	U	NS		1.800	U	1.800	U	1.800	U
	27-Oct-08	1.800	U	NS		NS		NS		2.800		NS		NS		NS		3.200		NS		5.800	U	NS	
	25-Nov-08	NS		1.800	U	NS		NS		NS		1.800	U	NS		NS		1.800	U	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	1.800	U
	21-Jan-09	NS		NS		NS		1.800	U	NS		NS		NS		1.800	U	1.800	U	1.800	U	NS		1.800	U
	25-Feb-09	5.800		NS		NS		NS		1.800	U	NS		NS		NS		1.800	U	NS		9.072	U	9.072	U
	26-Mar-09	NS		0.360	U	NS		NS		NS		0.720	U	NS		NS		NS		9.072	U			9.072	U
	29-Apr-09					0.072	U							0.072	U										
p/m-Xylene	15-Mar-07	780.000	U	750.000	U	750.000	U	750.000	U	740.000	U	300.000	U	120.000	U	370.000	U	NS		NS		NS		NS	
	22-Mar-07	108.000	U	108.000	U	108.000	U	108.000	U	108.000	U	108.000	U	108.000	U	43.400	U	NS		NS		NS		NS	
	26-Apr-07	43.400	U	43.400	U	43.400	U	43.400	U	43.400	U	43.400	U	43.400	U	43.400	U	NS		NS		NS		NS	
	21-May-07	78.000	U	43.400	U	42.400	U	76.400	U	43.400	U	43.400	U	4.340	U	43.400	U	NS		NS		NS		NS	
	29-Jun-07	25.600		1.200		1.200		1.400		1.400		1.700	U	1.700	U	1.200		NS		NS		NS		NS	
	30-Jul-07	2.300		NS		NS		1.700	U	NS		2.800		4.800		NS		NS		NS		NS		NS	
	22-Aug-07	NS		NS		1.740	U	NS		4.340	U	NS		NS		NS		1.740	U	1.840	U	NS		NS	
	20-Sep-07	NS		4.340	U	NS		NS		NS		NS		NS		4.340	U	NS		2.750		3.200		3.200	
	9-Oct-07	4.340	U	NS		NS		NS		0.868	U	NS		NS		NS		4.840		NS		2.520		2.520	
	7-Nov-07	NS		0.420		NS		NS		NS		0.840		NS		NS		1.240		2.270		NS		NS	
	5-Dec-07	NS		NS		0.360		NS		NS		NS		0.450		NS		2.890		NS		2.350		2.350	
	8-Jan-08	NS		NS		NS		3.700		NS		NS		NS		19.500		29.900		NS		0.740		NS	
	8-Feb-08	0.550		NS		NS		NS		0.830		NS		NS		NS		1.040		18.300		NS		18.300	
	27-Mar-08	NS		0.883		NS		NS		NS		0.388		NS		NS		NS		2.170		1.330		1.330	
	25-Apr-08	NS		NS		0.815		NS		NS		NS		0.870		NS		2.540		NS		1.810		1.810	
	29-May-08	NS		NS		NS		5.800		NS		NS		NS		7.380		10.100		3.340		NS		NS	
	27-Jun-08	12.800		NS		NS		NS		1.500		NS		NS		NS		NS		1.810		2.330		2.330	
	31-Jul-08	NS		2.400		NS		NS		NS		NS		NS		NS		2.080		NS		1.550		1.550	
	28-Aug-08	NS		NS		2.330		NS		NS		NS		1.440		NS		2.130		1.940		NS		NS	
	30-Sep-08	NS		NS		NS		4.300	U	NS		NS		NS		4.300	U	NS		4.300	U	4.300	U	4.300	U
	27-Oct-08	41.800		NS		NS		NS		4.300	U	NS		NS		NS		4.300	U	NS		4.300	U	4.300	U
	25-Nov-08	NS		4.700		NS		NS		NS		4.300	U	NS		2.900		NS		8.600		NS		NS	
	18-Dec-08	NS		NS		4.300	U	NS		NS		NS		4.300	U	NS		NS		4.300	U	4.300	U	4.300	U
	21-Jan-09	NS		NS		NS		4.300	U	NS		NS		NS		4.300	U	4.300	U	NS		4.300	U	4.300	U
	25-Feb-09	37.800		NS		NS		NS		4.300	U	NS		NS		NS		8.600		9.300		NS		NS	
	26-Mar-09	NS		1.350		NS		NS		NS		1.740	U	NS		NS		NS		2.560		3.560		3.560	
	29-Apr-09					0.468								0.516				0.833				1.090		1.090	

Date Modified 6/23/2009

Summary of Sub-Slab Air Sampling Data - Adelaide Avenue School Project - Volatile Organic Compounds
March 2007 - April 2009

Volatile Organic Compounds via TO-15	Sample Date	MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	MP-1	Qual	MP-2	Qual	MP-3	Qual
o-Xylene	15-Mar-07	390 000	U	370 000	U	370 000	U	380 000	U	370 000	U	150 000	U	57 000	U	160 000	U	NS		NS		NS	
	22-Mar-07	54 200	U	54 200	U	54 200	U	54 200	U	54 200	U	54 200	U	54 200	U	54 200	U	NS		NS		NS	
	26-Apr-07	21 700	U	21 700	U	21 700	U	21 700	U	21 700	U	21 700	U	21 700	U	21 700	U	NS		NS		NS	
	21-May-07	38 500	U	21 700	U	21 700	U	38 200	U	21 700	U	21 700	U	21 700	U	2 170	U	NS		NS		NS	
	28-Jun-07	9 000		0 500		0 465		0 810		0 589		0 670	U	0 720	U	0 500		NS		NS		NS	
	30-Jul-07	0 900		NS		NS		0 870	U	NS		1 600		2 200	U	NS		NS		NS		NS	
	23-Aug-07	NS		NS		0 848	U	NS		2 170	U	NS		NS		NS		0 868	U	0 768		NS	
	20-Sep-07	NS		3 170	U	NS		NB		NS		NS		NS		2 170	U	NS		1 340		1 630	
	9-Oct-07	2 170	U	NS		NS		NB		0 434	U	NS		NS		NS		1 540		NS		0 942	
	7-Nov-07	NS		0 140		NS		NS		NS		0 190		NS		NS		0 480		0 710		NS	
	6-Dec-07	NS		NS		0 140		NS		NS		NS		0 760		NS		NS		1 100		0 850	
	4-Jan-08	NS		NB		NS		1 430		NB		NS		NS		3 870		8 610		NS		0 310	
	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		NB		0 844		0 478	
	25-Apr-08	NS		NS		0 370		NS		NS		NS		0 408		NS		0 735		NS		0 829	
	29-May-08	NS		NS		NB		1 480		NS		NS		NS		2 240		2 840		1 020		NS	
	27-Jun-08	4 120		NS		NS		NS		0 550		NS		NS		NS		NS		0 872		0 784	
	31-Jul-08	NS		0 835		NS		NS		NB		NS		NS		NS		0 748		NS		0 564	
	28-Aug-08	NS		NS		0 864		NB		NB		NS		0 615		NS		0 787		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		NB		NB		2 200	U	NS		NS		NS		3 200	U	NB		4 000	
	25-Nov-08	NS		2 200	U	NS		NS		NB		2 200	U	NS		NS		3 120	N	2 200	U	NS	
	18-Dec-08	NS		NS		2 200	U	NS		NB		NS		2 200	U	NS		NS		2 200	U	2 200	U
	21-Jan-09	NS		NS		NS		2 200	U	NS		NS		NS		2 200	U	2 200	U	NS		2 200	U
	25-Feb-09	8 900		NS		NS		NB		2 200	U	NB		NS		NS		2 200	U	3 200		NB	
	26-Mar-09	NS		0 488		NS		NS		NS		0 848	U	NS		NS		NB		0 922		1 280	
	29-Apr-09					0 174								0 208				0 389				0 499	
Styrene	15-Mar-07	380 000	U	370 000	U	370 000	U	370 000	U	360 000	U	150 000	U	56 000	U	160 000	U	NS		NS		NS	
	22-Mar-07	53 200	U	53 200	U	53 200	U	53 200	U	53 200	U	53 200	U	53 200	U	53 200	U	NS		NS		NS	
	26-Apr-07	21 300	U	21 300	U	21 300	U	21 300	U	21 300	U	21 300	U	21 300	U	21 300	U	NS		NS		NS	
	21-May-07	38 700	U	21 300	U	21 300	U	37 400	U	21 300	U	21 300	U	2 130	U	21 300	U	NS		NS		NS	
	28-Jun-07	0 700		0 430	U	0 430	U	0 480		0 530		0 650	U	0 640	U	0 450		NS		NS		NS	
	30-Jul-07	0 470		NS		NB		0 850	U	NB		0 470	U	2 100	U	NS		NS		NB		NS	
	23-Aug-07	NS		NS		0 851	U	NS		2 130	U	NS		NB		NS		0 851	U	0 374		NS	
	20-Sep-07	NB		2 130	U	NS		NS		NS		NS		NS		2 130	U	NS		0 951		1 130	
	9-Oct-07	2 130	U	NS		NS		NS		0 428	U	NS		NB		NS		0 430		NS		0 817	
	7-Nov-07	NS		0 110		NS		NS		NS		0 160		NS		NS		0 380		0 470		NS	
	6-Dec-07	NS		NS		0 100		NB		NS		NS		0 120		NS		NS		0 770		0 750	
	4-Jan-08	NS		NS		NS		0 100		NS		NB		NS		0 200		0 370		NS		0 890	
	8-Feb-08	0 890	U	NS		NB		NS		0 880	U	NS		NS		NS		0 300		3 190		NS	
	27-Mar-08	NS		0 100		NS		NS		NS		0 197		NS		NS		NS		0 208		0 404	
	25-Apr-08	NS		NS		0 244		NB		NB		NB		1 070		NS		0 559		NS		0 351	
	29-May-08	NS		NS		NS		0 170		NS		NS		NS		0 300		0 382		0 270		NS	
	27-Jun-08	0 732		NS		NS		NS		0 354		NS		NS		NS		NB		0 598		0 590	
	31-Jul-08	NS		0 278		NS		NS		NS		NS		NS		NB		0 255		NS		0 170	
	28-Aug-08	NS		NS		1 270		NS		NS		NS		NS		NB		1 020		1 010		NS	
	30-Sep-08	NB		NS		NS		2 100	U	NS		NS		NS		2 100	U	NS		2 100	U	2 100	U
	27-Oct-08	2 100	U	NS		NB		NS		2 100	U	NS		NS		NS		2 100	U	NS		2 100	U
	25-Nov-08	NB		2 100	U	NS		NS		NS		2 100	U	NS		NS		2 100	U	3 160	U	NS	
	18-Dec-08	NS		NS		2 100	U	NB		NS		NS		NS		2 100	U	NS		2 100	U	2 100	U
	21-Jan-09	NS		NS		NB		2 100	U	NS		NS		NS		2 100	U	2 100	U	NB		2 100	U
	25-Feb-09	2 100	U	NS		NS		NS		2 100	U	NS		NS		NS		2 100	U	2 100	U	NS	
	26-Mar-09	NS		0 851	U	NS		NS		NS		1 760	U	NS		NS		NB		0 292		0 361	
	29-Apr-09					0 174								0 065	U			0 098				0 242	
Tetrachloroethene	15-Mar-07	810 000	U	560 000	U	560 000	U	560 000	U	560 000	U	230 000	U	90 000	U	250 000	U	NS		NS		NS	
	22-Mar-07	84 700	U	84 700	U	84 700	U	84 700	U	84 700	U	84 700	U	84 700	U	84 700	U	NS		NS		NS	
	26-Apr-07	33 900	U	33 900	U	33 900	U	33 900	U	33 900	U	33 900	U	33 900	U	33 900	U	NS		NB		NS	
	21-May-07	61 700	U	33 900	U	33 900	U	58 800	U	33 900	U	33 900	U	3 390	U	33 900	U	NS		NS		NS	
	28-Jun-07	0 880		0 780		0 780		2 200		0 700		1 400	U	1 000	U	0 680		NS		NS		NS	
	30-Jul-07	0 810		NS		NS		2 200		NS		1 000	U	3 400	U	NS		NS		NS		NB	
	23-Aug-07	NS		NS		1 360	U	NS		3 390	U	NS		NS		NS		1 360	U	1 840		NS	
	20-Sep-07	NS		3 390	U	NS		NB		NS		NS		NB		3 390	U	NS		6 370		1 820	
	9-Oct-07	3 390	U	NS		NS		NB		5 730		NS		NS		NS		0 844		NS		0 849	
	7-Nov-07	NS		0 210		NS		NS		NS		0 200		NS		NS		0 480		4 380		NS	
	6-Dec-07	NB		NB		0 390		NS		NB		NS		0 360		NB		NS		2 600		10 700	
	8-Jan-08	NB		NS		NS		3 950		NS		NS		NS		1 290		4 880		NS		2 110	
	8-Feb-08	0 350		NS		NS		NB		0 140	U	NS		NS		NB		0 530		5 050		NS	
	27-Mar-08	NB		0 858		NS		NB		NS		0 878		NS		NS		0 990		6 990		5 280	
	25-Apr-08	NS		NS		0 322		NS		NS		NS		NS		0 890		0 630		NS		0 867	
	29-May-08	NS		NS		NS		1 360		NS		NS		NS		0 240		0 300		3 310		NB	
	27-Jun-08	1 320		NS		NB		NS		29 800		NS		NS		NS		NS		2 080		1 800	
	31-Jul-08	NS		0 687		NS		NS		NS		NS		NS		NS		0 618		NS		0 972	
	28-Aug-08	NS		NS		1 550		NS		NS		NS		1 520		NS		1 370		6 280		NS	
	30-Sep-08	NS		NS		NB		3 400		NB		NS		NB		3 400	U	NS		8 100		3 400	U
	27-Oct-08	4 200	U	NS		NS		NS		10 000		NS		NS		NS		4 200	U	NS		4 200	U
	25-Nov-08	NS		21 300		NS		NS		NS		4 800		NS		NS		8 400	U	6 900		NS	
	18-Dec-08	NS		NS		3 400	U	NS		NS		NS		3 400	U	NS		NS		3 400	U	3 400	U
	21-Jan-09	NS		NS		NS		3 400	U	NS		NB		NS		3 400	U	3 400	U	NS		3 400	U
	25-Feb-09	3 400	U	NB		NS		NS		6 300		NS		NS		NS		3 400	U	3 700		NS	
	26-Mar-09	NS		1 280		NS		NS		NS		1 360	U	NS		NS		NB		7 110		2 880	
	29-Apr-09					0 271								0 305				0 237				0 881	

Summary of Sub-Slab Air Sampling Data - Adelaide Avenue School Project - Volatile Organic Compounds
March 2007 - April 2009

Volatile Organic Compounds via TO-15	Sample Date	MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	MP-1	Qual	MP-2	Qual	MP-3	Qual
Toluene	15-Mar-07	850 000	U	810 000	U	810 000	U	820 000	U	800 000	U	320 000	U	120 000	U	350 000	U	NS		NS		NS	
	22-Mar-07	47 100	U	47 100	U	47 100	U	47 100	U	47 100	U	47 100	U	47 100	U	18 800	U	NS		NS		NS	
	26-Apr-07	18 800	U	18 800	U	18 800	U	18 800	U	19 800	U	18 800	U	18 800	U	18 800	U	NS		NS		NS	
	21-May-07	34 300	U	28 200		18 800	U	57 300		47 400		18 800	U	9 920		18 800	U	NS		NS		NS	
	29-Jun-07	26 000		3 300		3 300		4 300		4 100		3 000		3 300		4 200		NS		NS		NS	
	30-Jul-07	5 300		NS		NS		2 800		4 800		4 800		7 900		NS		NS		NS		NS	
	22-Aug-07	NS		NS		1 240	U	NS		1 880	U	NS		NS		NS		13 100		10 300		NS	
	20-Sep-07	NS		3 000		NS		NS		NS		NS		NS		5 220		NS		57 100		40 000	
	9-Oct-07	7 150		NS		NS		NS		8 994		NS		NS		NS		4 750		NS		34 000	
	7-Nov-07	NS		9 720		NS		NS		NS		1 140		NS		NS		8 340		40 800		NS	
	6-Dec-07	NS		NS		6 810		NS		NS		NS		6 900		NS		NS		21 000		25 300	
	8-Jan-08	NS		NS		NS		2 800		NS		NS		NS		12 800		31 100		NS		20 400	
	6-Feb-08	1 630		NS		NS		NS		1 800		NS		NS		NS		2 720		455 000		NS	
	27-Mar-08	NS		2 240		NS		NS		NS		1 450		NS		NS		NS		11 200		18 100	
	25-Apr-08	NS		NS		1 390		NS		NS		NS		1 340		NS		11 200		13 000		21 800	
	29-May-08	NS		NS		NS		7 740		NS		NS		NS		NS		21 000		10 800		NS	
	27-Jun-08	14 750		NS		NS		NS		2 330		NS		NS		NS		10 200		NS		22 200	
	31-Jul-08	NS		4 150		NS		NS		NS		NS		NS		NS		10 200		11 200		8 110	
	28-Aug-08	NS		NS		6 480		NS		NS		NS		NS		NS		NS		NS		NS	
	30-Sep-08	NS		NS		NS		1 800	U	NS		NS		NS		6 100		8 600		7 500		4 800	
	27-Oct-08	58 300		NS		NS		NS		3 200		NS		NS		NS		28 900		NS		8 200	
	25-Nov-08	NS		7 800		NS		NS		NS		7 800		NS		NS		NS		18 600		NS	
	18-Dec-08	NS		NS		2 000		NS		NS		NS		1 900	U	NS		4 800		4 800		4 900	
	21-Jan-09	NS		NS		NS		1 800	U	NS		NS		NS		1 900	U	1 800	U	NS		1 800	U
	25-Feb-09	7 000		NS		NS		NS		1 800	U	NS		NS		NS		1 800	U	13 800		NS	
	26-Mar-09	NS		3 530		NS		NS		NS		3 929		NS		NS		NS		7 230		9 750	
	29-Apr-09					1 990								0 651				0 148				4 58	
trans-1,2-Dichloroethene	15-Mar-07	340 000	U	340 000	U	340 000	U	340 000	U	340 000	U	140 000	U	52 000	U	150 000	U	NS		NS		NS	
	22-Mar-07	49 500	U	49 500	U	49 500	U	49 500	U	49 500	U	49 500	U	49 500	U	19 800	U	NS		NS		NO	
	26-Apr-07	19 800	U	19 800	U	19 800	U	19 800	U	19 800	U	19 800	U	19 800	U	19 800	U	NS		NS		NS	
	21-May-07	36 000	U	19 800	U	19 800	U	34 900	U	19 800	U	19 800	U	1 980	U	19 800	U	NS		NS		NS	
	29-Jun-07	0 400	U	0 400	U	0 400	U	0 400	U	0 400	U	0 790	U	0 400	U	0 400	U	NS		NS		NS	
	30-Jul-07	0 400	U	NS		0 780	U	NS		0 400	U	0 400	U	2 000	U	NS		NS		NS		NS	
	22-Aug-07	NS		NS		0 792	U	NS		1 980	U	NS		NS		NS		0 792	U	0 078	U	NS	
	20-Sep-07	NS		1 980	U	NS		NS		NS	U	NS		NS		1 980	U	NS		0 078	U	0 078	U
	9-Oct-07	1 980	U	NS		NS		NS		0 396	U	NS		NS		NS		0 078	U	NS		0 078	U
	7-Nov-07	NS		0 080	U	NS		NS		NS		0 080	U	NS		NS		0 080	U	0 080	U	NS	
	6-Dec-07	NS		NS		0 080	U	NS		NS		NS		NS		0 080	U	NS		0 080	U	0 080	U
	8-Jan-08	NS		NS		NS		0 080	U	NS		NS		NS		0 080	U	0 080	U	NS		0 080	U
	6-Feb-08	0 080	U	NS		NS		NS		0 080	U	NS		NS		NS		0 079	U	0 079	U	NS	
	27-Mar-08	NS		0 079	U	NS		NS		NS		0 078	U	NS		NS		0 078	U	NS		0 078	U
	25-Apr-08	NS		NS		0 078	U	NS		NS		NS		NS		0 078	U	0 080	U	0 080	U	NS	
	29-May-08	NS		NS		NS		0 080	U	NS		NS		NS		0 080	U	NS		0 078	U	0 078	U
	27-Jun-08	0 123	U	NS		NS		NS		0 078	U	NS		NS		NS		0 078	U	NS		0 078	U
	31-Jul-08	NS		0 079	U	NS		NS		NS		NS		NS		NS		0 078	U	0 078	U	NS	
	28-Aug-08	NS		NS		0 078	U	NS		NS		NS		0 078	U	2 000	U	NS		2 000	U	2 000	U
	30-Sep-08	NS		NS		NS		2 000	U	NS		NS		NS		NS		2 000	U	NS		2 000	U
	27-Oct-08	2 000	U	NS		NS		NS		2 000	U	NS		NS		NS		2 000	U	2 000	U	NS	
	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		NS		NS		NS		2 000	U	NS	
	21-Jan-09	NS		NS		NS		2 000	U	NS		NS		NS		NS		2 000	U	2 000	U	2 000	U
	25-Feb-09	2 000	U	NS		NS		NS		2 000	U	NS		NS		NS		NS		2 000	U	NS	
	26-Mar-09	NS		0 396	U	NS		NS		NS		0 792	U	NS		NS		NS		NS		0 078	U
	29-Apr-09					0 079	U							0 078	U			0 078	U			0 078	U
trans-1,3-Dichloropropene	15-Mar-07	410 000	U	390 000	U	390 000	U	390 000	U	380 000	U	160 000	U	60 000	U	170 000	U	NS		NS		NS	
	22-Mar-07	56 700	U	56 700	U	56 700	U	56 700	U	56 700	U	56 700	U	56 700	U	22 700	U	NS		NS		NS	
	26-Apr-07	22 700	U	22 700	U	22 700	U	22 700	U	22 700	U	22 700	U	22 700	U	22 700	U	NS		NS		NS	
	21-May-07	41 300	U	22 700	U	22 700	U	39 800	U	22 700	U	22 700	U	2 270	U	22 700	U	NS		NS		NS	
	29-Jun-07	0 450	U	0 450	U	0 450	U	0 450	U	0 450	U	0 910	U	0 450	U	0 450	U	NS		NS		NS	
	30-Jul-07	0 450	U	NS		0 810	U	NS		0 450	U	2 270	U	2 300	U	NS		NS		NS		NS	
	22-Aug-07	NS		NS		0 907	U	NS		2 270	U	NS		NS		NS		0 907	U	0 091	U	NS	
	20-Sep-07	NS		2 270	U	NS		NS		NS		NS		NS		2 270	U	NS		0 091	U	0 091	U
	9-Oct-07	2 270	U	NS		NS		NS		0 453	U	NS		NS		NS		0 091	U	NS		0 091	U
	7-Nov-07	NS		0 090	U	NS		NS		NS		0 090	U	NS		0 090	U	0 090	U	0 090	U	NS	
	6-Dec-07	NS		NS		0 090	U	NS		NS		NS		0 090	U	NS		0 090	U	0 090	U	0 090	U
	8-Jan-08	NS		NS		NS		0 090	U	NS		NS		NS		0 090	U	NS		0 090	U	0 090	U
	6-Feb-08	0 090	U	NS		NS		NS		0 090	U	NS		NS		NS		0 090	U	NS		NS	
	27-Mar-08	NS		0 091	U	NS		NS		NS		0 091	U	NS		NS		0 091	U	0 091	U	0 091	U
	25-Apr-08	NS		NS		0 091	U	NS		NS		NS		NS		0 091	U	0 091	U	NS		0 091	U
	29-May-08	NS		NS		NS		0 090	U	NS		NS		NS		0 090	U	0 090	U	0 090	U	NS	
	27-Jun-08	0 141	U	NS		NS		NS		0 091	U	NS		NS		NS		NS		0 091	U	0 091	U
	31-Jul-08	NS		0 091	U	NS		NS		NS		NS		NS		NS		0 091	U	NS		0 091	U
	28-Aug-08	NS		NS		0 091	U	NS		NS		NS		NS		0 091	U	0 091	U	0 091	U	NS	
	30-Sep-08	NS		NS		NS		0 180	U	NS		NS		NS		NS		0 180	U	NS		0 180	U
	27-Oct-08	0 180	U	NS		NS		NS		0 180	U	NS		NS		NS		NS		0 180	U	0 180	U
	25-Nov-08	NS		0 180	U	NS		NS		NS		0 180	U	NS		NS		0 180	U	0 180	U	NS	
	18-Dec-08	NS		NS		0 180	U	NS		NS		NS		0 180	U	NS		NS		0 180	U	0 180	U
	21-Jan-09	NS		NS		NS		0 180	U	NS		NS		NS		0 180	U	0 180	U	NS		0 180	U
	25-Feb-09	0 180	U	NS		NS		NS		0 180	U	NS		NS		NS		NS		0 180	U	NS	
	26-Mar-09	NS		0 453	U	NS		NS		NS		0 907	U	NS		NS		NS		0 091	U	0 091	U
	29-Apr-09					0 091	U							0 091	U			0 091	U			0 091	U

Summary of Sub-Slab Air Sampling Data - Adelaide Avenue School Project - Volatile Organic Compounds
March 2007 - April 2009

Volatile Organic Compounds via TO-15	Sample Date	MP-1		MP-2		MP-5		MP-4		MP-5		MP-6		MP-7		MP-8		MP-1		MP-2		MP-3	
			Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual
Trichlorofluoro*	15-Mar-07	480 000	U	480 000	U	480 000	U	470 000	U	480 000	U	180 000	U	74 000	U	200 000	U	NS		NS		NS	
	22-Mar-07	67 100	U	67 100	U	67 100	U	67 100	U	67 100	U	26 800	U	26 800	U	26 800	U	NS		NS		NB	
	28-Apr-07	26 800	U	26 800	U	26 800	U	26 800	U	26 800	U	26 800	U	26 800	U	26 800	U	NS		NB		NS	
	21-May-07	46 900	U	26 800	U	26 800	U	47 200	U	26 800	U	26 800	U	2 680	U	26 800	U	NS		NS		NS	
	29-Jun-07	0 540	U	0 540	U	0 540	U	22 800		100 000		1 100	U	0 620	U	0 540	U	NS		NS		NS	
	30-Jul-07	0 540	U	NS		NS		22 000		NS		0 540	U	2 700	U	NS		NS		NS		NS	
	22-Aug-07	NS		NS		1 070	U	NS		2 680	U	NS		NS		NS		1 070	U	8 140		NS	
	20-Sep-07	NS		2 680	U	NS		NS		NS		NS		NS		2 640	U	NS		31 900		4 270	
	9-Oct-07	2 640	U	NS		NS		NS		68 500		NS		NS		NS		1 130		NS		0 822	
	7-Nov-07	NS		0 120		NS		NS		NS		0 110		NS		NS		0 220		34 700		NB	
	5-Dec-07	NS		NS		0 170		NS		NS		0 130		NS		NS		0 290		8 290		29 200	
	8-Jan-08	NS		NS		NS		45 200		NS		NS		NS		0 660		0 290		NS		7 390	
	5-Feb-08	0 120		NS		NS		NS		0 110	U	NS		NS		NS		0 290		18 800		NS	
	27-Mar-08	NS		0 107	U	NB		NB		NS		0 152		NS		NB		NS		13 400		5 340	
	25-Apr-08	NS		NS		0 186		NS		NS		NS		1 350		NB		0 864		NS		3 390	
	29-May-08	NS		NS		NS		28 500		NS		NS		NS		0 150		0 370		13 800		NS	
	27-Jun-08	0 408		NS		NB		NS		258 000		NB		NS		NS		NS		13 800		6 540	
	31-Jul-08	NS		1 240		NS		NS		NS		NS		NS		NS		0 128		NS		3 260	
	28-Aug-08	NS		NS		0 558		NS		NS		NS		3 940		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	NB		NS		NS		117 000		NS		NS		NS		2 990		NS		0 800	U
	25-Nov-08	NS		2 970		NS		NS		NS		1 890		NS		0 540	U	NS		39 800		NS	
	18-Dec-08	NS		NS		0 540	U	NS		NS		NS		0 540	U	NS		NS		4 580		2 480	
	21-Jan-09	NS		NS		NS		19 800		NS		NS		NS		0 540	U	0 540	U	NS		4 990	
	25-Feb-09	0 440		NS		NS		NS		89 500		NS		NS		NS		0 540		10 700		NS	
	26-Mar-09	NS		8 200		NB		NS		NS		3 880		NS		NS		NS		25 100		5 480	
	29-Apr-09					0 328								1 290				0 382				2 980	
Trichlorofluoromethane	15-Mar-07	510 000	U	480 000	U	480 000	U	490 000	U	480 000	U	180 000	U	74 000	U	210 000	U	NS		NS		NS	
	22-Mar-07	70 200	U	70 200	U	70 200	U	70 200	U	70 200	U	70 200	U	70 200	U	28 100	U	NS		NS		NS	
	28-Apr-07	28 100	U	28 100	U	28 100	U	28 100	U	28 100	U	28 100	U	28 100	U	28 100	U	NS		NS		NS	
	21-May-07	51 100	U	28 100	U	28 100	U	49 400	U	28 100	U	28 100	U	2 810	U	28 100	U	NB		NS		NS	
	29-Jun-07	1 300		1 500		1 200		52 000		33 900		1 400		3 800		1 300		NS		NS		NB	
	30-Jul-07	1 700		NS		NS		52 000		NS		1 700		3 800		NS		NS		NS		NB	
	22-Aug-07	NS		NS		2 810	U	NS		7 020	U	NS		NS		NS		2 810	U	11 200		NS	
	20-Sep-07	NS		7 020	U	NS		NS		NS		NS		NS		7 020	U	NS		42 400		18 500	
	9-Oct-07	7 020	U	NS		NS		NS		46 400		NB		NS		NS		1 460		NS		3 830	
	7-Nov-07	NS		3 030		NS		NB		NS		1 530		NS		NS		1 590		40 900		NS	
	5-Dec-07	NS		NS		2 100		NS		NS		NS		1 370		NS		NS		14 100		24 100	
	8-Jan-08	NS		NS		NS		28 500		NS		NB		NS		1 790		NS		15 900		16 800	
	5-Feb-08	1 320		NB		NB		NB		1 220		NS		NS		NS		1 080		12 000		NS	
	27-Mar-08	NS		1 270		NS		NS		NS		1 180		NS		NS		NS		18 000		8 020	
	25-Apr-08	NB		NS		1 180		NB		NS		NS		5 200		NS		1 640		NS		3 830	
	29-May-08	NS		NS		NS		33 500		NS		NS		NS		0 960		1 850		18 800		NS	
	27-Jun-08	1 290		NS		NB		NS		75 200		NS		NS		NS		NS		8 850		8 890	
	31-Jul-08	NB		1 010		NS		NS		NS		NS		NS		NS		0 958		NS		5 100	
	28-Aug-08	NS		NS		2 530		NS		NB		NS		18 000		NS		1 790		15 800		NB	
	30-Sep-08	NS		NS		NB		53 800		NS		NS		NB		2 800	U	NS		14 500		10 400	
	27-Oct-08	2 800	U	NS		NB		NS		44 400		NS		NB		NS		6 100		NS		2 800	U
	25-Nov-08	NB		15 000		NS		NS		NS		12 700		NS		NS		3 600	U	34 000		NS	
	18-Dec-08	NS		NS		2 800	U	NS		NS		NB		4 900		NS		2 800	U	4 800		7 100	
	21-Jan-09	NS		NS		NB		26 800		NS		NB		NB		F 200		2 800	U	NS		18 400	
	25-Feb-09	2 800	U	NS		NS		NS		14 800		NS		NB		2 800	U	2 800	U	7 100		NS	
	26-Mar-09	NB		1 430		NS				NS		2 810	U	NS		NS		NB		19 800		18 300	
	29-Apr-09					1 450								4 230				1 270				3 170	
Vinyl chloride	15-Mar-07	230 000	U	220 000	U	220 000	U	220 000	U	220 000	U	88 000	U	34 000	U	96 000	U	NS		NS		NS	
	22-Mar-07	31 900	U	31 900	U	31 900	U	31 900	U	31 900	U	31 900	U	31 900	U	12 800	U	NS		NS		NS	
	28-Apr-07	12 800	U	12 800	U	12 800	U	12 800	U	12 800	U	12 800	U	12 800	U	12 800	U	NS		NS		NS	
	21-May-07	23 200	U	12 800	U	12 800	U	22 500	U	12 800	U	12 800	U	1 280	U	12 800	U	NS		NS		NS	
	29-Jun-07	0 260	U	0 260	U	0 260	U	0 260	U	0 260	U	0 510	U	0 260	U	0 260	U	0 260	U	NS		NS	
	30-Jul-07	0 260	U	NS		NS		0 510	U	NS	U	0 260	U	1 300	U	NS		NS		NB		NS	
	22-Aug-07	NS		NB		0 511	U	NB		1 280	U	NS		NB		NS		0 510	U	0 050	U	NS	
	20-Sep-07	NS		1 280	U	NB		NS		NB	U	NS		NS		1 280	U	NS		0 050	U	0 050	U
	9-Oct-07	1 280	U	NB		NS		NS		0 255	U	NS		NS		NS		0 051	U	NS		0 051	U
	7-Nov-07	NS		0 050	U	NS		NS		NB		0 050	U	NS		NS		0 050	U	0 050	U	NS	
	5-Dec-07	NS		NS		0 050	U	NS		NS		NS		0 050	U	NS		NS		0 050	U	0 050	U
	8-Jan-08	NS		NS		NS		0 050	U	NB		NS		NS		0 050	U	0 050	U	NS		0 050	U
	5-Feb-08	0 050	U	NB		NS		NS		0 050	U	NS		NS		NS		0 052	U	0 050	U	NS	
	27-Mar-08	NS		0 051	U	NS		NS		NS	U	0 051	U	NS		NS		NS		0 051	U	0 051	U
	25-Apr-08	NS		NS		0 051	U	NS		NB		NS		0 750		NS		0 051	U	NB		0 051	U
	29-May-08	NS		NS		NS		0 050	U	NS		NS		NB		0 050	U	0 050	U	NS		0 051	U
	27-Jun-08	0 050	U	NS		NS		NS		0 051	U	NS		NS		NS		NB		0 050	U	0 051	U
	31-Jul-08	NS		0 051	U	NB		NB		NS		NS		NS		NS		0 051	U	NS		0 051	U
	28-Aug-08	NS		NB		0 051	U	NS		NS		NS		0 051	U	NB		0 051	U	0 051	U	NS	
	30-Sep-08	NB		NS		NB		0 100	U	NS		NS		NS		0 100	U	NS		0 100	U	0 100	U
	27-Oct-08	0 100	U	NB		NB		NB		0 100	U	NS		NS		NB		0 100	U	NB		0 100	U
	25-Nov-08	NS		0 100	U	NB		NS		NB		0 100	U	NS		0 100	U	0 100	U	0 100	U	NS	
	18-Dec-08	NS		NB		0 100	U	NB		NB		NS		0 100	U	NS		NS		0 100	U	0 100	U
	21-Jan-09	NS		NS		NB		0 100	U	NB		NB		NS		0 100	U	0 100	U	0 100	U	0 100	U
	25-Feb-09	0 100	U	NS		NS		NB		0 100	U	NB		NS		NS		0 100	U	0 100	U	NS	
	26-Mar-09	NB		0 255	U	NB		NS		NS		0 511	U	NS		NS		NS		0 051	U	0 051	U
	29-Apr-09					0 051								0 051	U			0 051	U			0 051	U

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Volatile Organic Compounds via TO-15	Sample Date	MP-1	Qual	MP-3	Qual	MP-5	Qual	MP-4	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual
Acrylonitrile	15-Mar-07	4900 000	U	4700 000	U	4700 000	U	4700 000	U	4600 000	U	1800 000	U	720 000	U	2000 000	U	NS		NS		NS	
	22-Mar-07	27 100	U	27 100	U	27 100	U	27 100	U	27 100	U	27 100	U	27 100	U	10 800	U	NS		NS		NS	
	26-Apr-07	10 800	U	10 800	U	10 800	U	10 800	U	10 800	U	10 800	U	10 800	U	10 800	U	NS		NS		NS	
	21-May-07	19 700	U	10 800	U	10 800	U	19 100	U	10 800	U	10 800	U	1 080	U	10 800	U	NS		NS		NS	
	29-Jun-07	5 400	U	5 400	U	5 400	U	5 400	U	5 400	U	11 000	U	5 400	U	5 400	U	NS		NS		NS	
	30-Jul-07	5 400	U	NS		NS		11 000	U	NS		5 400		27 000	U	NS		NS		NS		NS	
	22-Aug-07	NS		NS		10 800	U	NS		27 100	U	NS		NS		NS		10 800	U	1 080	U	NS	
	20-Sep-07	NS		27 100	U	NS		NS		NS		NS		NS		27 100	U	NS		1 080	U	1 080	U
	9-Oct-07	27 100	U	NS		NS		NS		5 420	U	NS		NS		NS		NS		1 080	U	1 080	U
	7-Nov-07	NS		1 080	U	NS		NS		NS		1 080	U	NS		NS		NS		1 080	U	1 080	U
	6-Dec-07	NS		NS		1 080	U	NS		NS		NS		1 080	U	NS		NS		1 080	U	1 080	U
	8-Jan-08	NS		NS		NS		1 080	U	NS		NS		NS		1 080	U	1 080	U	NS		1 080	U
	6-Feb-08	1 080	U	NS		NS		NS		1 080	U	NS		NS		NS		1 080	U	1 080	U	NS	
	27-Mar-08	NS		1 080	U	NS		NS		NS		NS		NS		NS		1 080	U	1 080	U	1 080	U
	25-Apr-08	NS		NS		1 080	U	NS		NS		NS		1 080	U	NS		1 080	U	NS		1 080	U
	29-May-08	NS		NS		NS		1 080	U	NS		NS		NS		1 080	U	1 080	U	NS		1 080	U
	27-Jun-08	1 080	U	NS		NS		NS		1 080	U	NS		NS		NS		NS		1 080	U	1 080	U
	31-Jul-08	NS		1 080	U	NS		NS		NS		NS		NS		NS		1 080	U	NS		1 080	U
	28-Aug-08	NS		NS		1 080	U	NS		NS		NS		NS		1 080	U	NS		1 080	U	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	2 200	U	NS		NS		2 200	U	NS		NS		NS		2 200	U	NS		2 200	U	2 200	U
	25-Nov-08	NS		2 200	U	NS		NS		NS		2 200	U	NS		NS		2 200	U	2 200	U	NS	
	18-Dec-08	NS		NS		2 200	U	NS		NS		NS		2 200	U	NS		2 200	U	2 200	U	2 200	U
	21-Jan-09	NS		NS		NS		2 200	U	NS		NS		NS		2 200	U	2 200	U	NS		2 200	U
	25-Feb-09	2 200	U	NS		NS		NS		2 200	U	NS		NS		NS		2 200	U	2 200	U	NS	
	26-Mar-09	NS		5 420	U	NS		NS		NS		10 800	U	NS		NS		NS		1 080	U	1 080	U
	29-Apr-09					1 080	U							1 080	U			1 080	U			1 080	U
n-Butylbenzene	15-Mar-07	12000 000	U	12000 000	U	12000 000	U	12000 000	U	12000 000	U	4700 000	U	1800 000	U	5100 000	U	NS		NS		NS	
	22-Mar-07	68 800	U	68 800	U	68 800	U	68 800	U	68 800	U	68 800	U	27 400	U	NS		NS		NS		NS	
	26-Apr-07	27 400	U	27 400	U	27 400	U	27 400	U	27 400	U	27 400	U	27 400	U	NS		NS		NS		NS	
	21-May-07	49 900	U	27 400	U	27 400	U	46 300	U	27 400	U	27 400	U	2 740	U	27 400	U	NS		NS		NS	
	29-Jun-07	5 500	U	5 500	U	5 500	U	5 500	U	5 500	U	11 000	U	5 500	U	5 500	U	NS		NS		NS	
	30-Jul-07	14 000	U	NS		NS		27 000	U	NS		14 000	U	68 000	U	NS		NS		NS		NS	
	22-Aug-07	NS		NS		27 400	U	NS		68 800	U	NS		NS		NS		27 400	U	2 740	U	NS	
	20-Sep-07	NS		68 800	U	NS		NS		NS		NS		NS		68 800	U	NS		2 740	U	2 740	U
	9-Oct-07	68 800	U	NS		NS		NS		13 700	U	NS		NS		NS		2 740	U	NS		2 740	U
	7-Nov-07	NS		2 740	U	NS		NS		NS		2 740	U	NS		NS		2 740	U	NS		2 740	U
	6-Dec-07	NS		NS		2 740	U	NS		NS		NS		2 740	U	NS		NS		2 740	U	2 740	U
	8-Jan-08	NS		NS		NS		2 740	U	NS		NS		NS		2 740	U	NS		2 740	U	NS	
	6-Feb-08	2 740	U	NS		NS		NS		2 740	U	NS		NS		NS		2 740	U	NS		2 740	U
	27-Mar-08	NS		2 740	U	NS		NS		NS		NS		NS		NS		2 740	U	NS		2 740	U
	25-Apr-08	NS		NS		2 740	U	NS		NS		NS		2 740	U	NS		NS		2 740	U	2 740	U
	29-May-08	NS		NS		NS		2 740	U	NS		NS		NS		2 740	U	2 740	U	2 740	U	NS	
	27-Jun-08	4 270	U	NS		NS		NS		2 740	U	NS		NS		NS		NS		2 740	U	2 740	U
	31-Jul-08	NS		2 740	U	NS		NS		NS		NS		NS		NS		2 740	U	NS		2 740	U
	28-Aug-08	NS		NS		2 740	U	NS		NS		NS		2 740	U	NS		2 740	U	2 740	U	NS	
	30-Sep-08	NS		NS		NS		5 500	U	NS		NS		NS		5 500	U	NS		5 500	U	5 500	U
	27-Oct-08	22 100		NS		NS		NS		5 500	U	NS		NS		NS		12 800		NS		5 500	U
	25-Nov-08	NS		5 500	U	NS		NS		NS		5 500	U	NS		NS		5 500	U	11 000		NS	
	18-Dec-08	NS		NS		5 500	U	NS		NS		NS		5 500	U	NS		NS		5 500	U	5 500	U
	21-Jan-09	NS		NS		NS		5 500	U	NS		NS		NS		5 500	U	5 500	U	NS		5 500	U
	25-Feb-09	5 500	U	NS		NS		NS		5 500	U	NS		NS		NS		5 500	U	NS		NS	
	26-Mar-09	NS		13 700	U	NS		NS		NS		27 400	U	NS		NS		NS		2 740	U	2 740	U
	29-Apr-09					2 740	U							2 740	U			2 740	U			2 740	U
sec-Butylbenzene	15-Mar-07	11000 000	U	11000 000	U	11000 000	U	11000 000	U	10000 000	U	4200 000	U	1600 000	U	4600 000	U	NS		NS		NS	
	22-Mar-07	64 800	U	64 800	U	64 800	U	64 800	U	64 800	U	64 800	U	64 800	U	27 400	U	NS		NS		NS	
	26-Apr-07	27 400	U	27 400	U	27 400	U	27 400	U	27 400	U	27 400	U	27 400	U	27 400	U	NS		NS		NS	
	21-May-07	46 800	U	27 400	U	27 400	U	46 300	U	27 400	U	27 400	U	2 740	U	27 400	U	NS		NS		NS	
	29-Jun-07	12 000	U	12 000	U	12 000	U	12 000	U	12 000	U	26 000	U	12 000	U	12 000	U	NS		NS		NS	
	30-Jul-07	12 000	U	NS		NS		25 000	U	NS		13 000	U	61 000	U	NS		NS		NS		NS	
	22-Aug-07	NS		NS		27 400	U	NS		68 800	U	NS		NS		NS		27 400	U	2 740	U	NS	
	20-Sep-07	NS		64 800	U	NS		NS		NS		NS		NS		64 800	U	NS		2 740	U	2 740	U
	9-Oct-07	64 800	U	NS		NS		NS		13 700	U	NS		NS		NS		2 740	U	NS		2 740	U
	7-Nov-07	NS		2 740	U	NS		NS		NS		2 740	U	NS		NS		2 740	U	2 740	U	NS	
	6-Dec-07	NS		NS		2 740	U	NS		NS		NS		2 740	U	NS		NS		2 740	U	2 740	U
	8-Jan-08	NS		NS		NS		2 740	U	NS		NS		NS		2 740	U	NS		2 740	U	NS	
	6-Feb-08	2 740	U	NS		NS		NS		2 740	U	NS		NS		NS		2 740	U	NS		2 740	U
	27-Mar-08	NS		2 740	U	NS		NS		NS		NS		NS		NS		2 740	U	NS		2 740	U
	25-Apr-08	NS		NS		2 740	U	NS		NS		NS		2 740	U	NS		NS		2 740	U	2 740	U
	29-May-08	NS		NS		NS		2 740	U	NS		NS		NS		2 740	U	2 740	U	2 740	U	NS	
	27-Jun-08	4 379	U	NS		NS		NS		2 740	U	NS		NS		NS		NS		2 740	U	2 740	U
	31-Jul-08	NS		2 740	U	NS		NS		NS		NS		NS		NS		2 740	U	NS		2 740	U
	28-Aug-08	NS		NS		2 740	U	NS		NS		NS		2 740	U	NS		2 740	U	2 740	U	NS	
	30-Sep-08	NS		NS		NS		5 500	U	NS		NS		NS		5 500	U	NS		5 500	U	5 500	U
	27-Oct-08	5 500	U	NS		NS		NS		5 500	U	NS		NS		NS		5 500	U	NS		5 500	U
	25-Nov-08	NS		5 500	U	NS		NS		NS		5 500	U	NS		NS		5 500	U	5 500	U	NS	
	18-Dec-08	NS		NS		5 500	U	NS		NS		NS		5 500	U	NS		NS		5 500	U	5 500	U
	21-Jan-09	NS		NS		NS		5 500	U	NS		NS		NS		5 500	U	5 500	U	NS		5 500	U
	25-Feb-09	5 500	U	NS		NS		NS		5 500	U	NS		NS		NS		5 500	U	5 500	U	NS	
	26-Mar-09	NS		13 700	U	NS		NS		NS		27 400	U	NS		NS		NS		2 740	U	2 740	U
	29-Apr-09					2 740	U							2 740	U			2 740	U			2 740	U

Date Modified 6/23/2009

Summary of Sub-Slab Air Sampling Data - Adelaide Avenue School Project - Volatile Organic Compounds
March 2007 - April 2009

Volatile Organic Compounds via TO-15	Sample Date	MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	MP-1	Qual	MP-2	Qual	MP-3	Qual
Isopropyl Alcohol	15-Mar-07	11000.000	U	11000.000	U	11000.000	U	11000.000	U	10000.000	U	4200.000	U	1800.000	U	4600.000	U	NS		NS		NS	
	22-Mar-07	61.400	U	61.400	U	61.400	U	61.400	U	57.400	U	61.400	U	61.400	U	24.600	U	NS		NS		NS	
	26-Apr-07	24.600	U	24.600	U	24.600	U	24.600	U	24.600	U	24.600	U	24.600	U	24.600	U	NS		NS		NS	
	21-May-07	44.700	U	24.600	U	24.600	U	43.200	U	24.600	U	24.600	U	2.460	U	24.600	U	NS		NS		NS	
	29-Jun-07	12.000	U	12.000	U	12.000	U	12.000	U	12.000	U	25.000	U	12.000	U	12.000	U	NS		NS		NS	
	30-Jul-07	12.000	U	NS		NS		25.000	U	NS		12.000	U	61.000	U	NS		NS		NS		NS	
	22-Aug-07	NS		NS		24.600	U	NS		61.400	U	NS		NS		NS		24.600	U	2.460	U	NS	
	20-Sep-07	NS		61.400	U	NS		NS		NS		NS		NS		NS		61.400	U	2.460	U	2.460	U
	9-Oct-07	61.400	U	NS		NS		NS		12.300	U	NS		NS		NS		NS		2.460	U	2.460	U
	7-Nov-07	NS		2.460	U	NS		NS		NS		2.460	U	NS		NS		NS		2.460	U	2.460	U
	6-Dec-07	NS		NS		2.460	U	NS		NS		NS		2.460	U	NS		NS		2.460	U	2.460	U
	8-Jan-08	NS		NS		NS		2.460	U	NS		NS		NS		NS		2.460	U	2.460	U	NS	
	6-Feb-08	2.460	U	NS		NS		NS		2.460	U	NS		NS		NS		NS		2.460	U	2.460	U
	27-Mar-08	NS		2.460	U	NS		NS		NS		NS		NS		NS		NS		2.460	U	2.460	U
	25-Apr-08	NS		NS		2.460	U	NS		NS		NS		NS		NS		2.460	U	NS		2.460	U
	29-May-08	NS		NS		NS		2.460	U	NS		NS		NS		NS		NS		2.460	U	2.460	U
	27-Jun-08	3.630	U	NS		NS		NS		2.460	U	NS		NS		NS		NS		2.460	U	2.460	U
	31-Jul-08	NS		2.460	U	NS		NS		NS		NS		NS		NS		NS		2.460	U	NS	
	28-Aug-08	NS		NS		2.460	U	NS		NS		NS		2.460	U	NS		4.900	U	NS		4.900	U
	30-Sep-08	NS		NS		NS		4.900	U	NS		NS		NS		NS		NS		NB		4.900	U
	27-Oct-08	5.200		NS		NS		NB		4.900	U	NS		NB		NS		4.900	U	4.900	U	NS	
	25-Nov-08	NS		4.900	U	NB		NS		NS		4.900	U	NS		NS		5.900	U	4.900	U	4.900	U
	18-Dec-08	NS		NB		4.900	U	NS		NS		NS		4.900	U	NS		4.900	U	NS		4.900	U
	21-Jan-09	NS		NS		NS		4.900	U	NS		NS		NS		NS		4.900	U	4.900	U	NS	
	25-Feb-09	4.900	U	NS		NS		NB		4.900	U	NB		NS		NS		NS		2.460	U	2.460	U
	26-Mar-09	NS		12.300	U	NS		NB		NS		24.600	U	NS		NS		NS				2.460	U
	28 Apr-09	29-Apr-09				2.460	U							2.460	U			2.460	U				
	29-Apr-09	29-Apr-09																					
p-Isopropyltoluene	15-Mar-07	12000.000	U	12000.000	U	12000.000	U	12000.000	U	12000.000	U	4700.000	U	1900.000	U	5100.000	U	NS		NS		NS	
	22-Mar-07	68.800	U	68.800	U	68.800	U	68.800	U	68.800	U	68.800	U	68.800	U	27.400	U	NS		NS		NS	
	26-Apr-07	27.400	U	27.400	U	27.400	U	27.400	U	27.400	U	27.400	U	27.400	U	27.400	U	NS		NS		NS	
	21-May-07	49.900	U	27.400	U	27.400	U	48.300	U	27.400	U	27.400	U	2.740	U	27.400	U	NS		NS		NS	
	29-Jun-07	1.100	U	1.100	U	1.100	U	1.100	U	1.100	U	2.200	U	1.100	U	1.100	U	NS		NS		NS	
	30-Jul-07	14.000	U	NS		NS		37.000	U	NS		14.000	U	99.000	U	NS		NS		NS		NS	
	22-Aug-07	NS		NS		27.400	U	NS		68.800	U	NS		NS		NS		NS		27.400	U	NS	
	20-Sep-07	NS		68.800	U	NS		NS		NS		NS		NS		68.800	U	NS		2.740	U	2.740	U
	9-Oct-07	68.800	U	NS		NS		NS		13.700	U	NS		NS		NS		2.740	U	NS		2.740	U
	7-Nov-07	NS		2.740	U	NS		NS		NS		2.74	U	NS		NS		2.740	U	2.740	U	NS	
	6-Dec-07	NS		NS		2.740	U	NS		NS		NS		2.740	U	NS		NS		2.740	U	2.740	U
	8-Jan-08	NS		NS		NS		2.740	U	NS		NS		NS		NS		2.740	U	NS		2.740	U
	6-Feb-08	2.740	U	NS		NS		NS		2.740	U	NS		NS		NS		NS		2.740	U	NS	
	27-Mar-08	NS		2.740	U	NS		NS		NS		NS		NS		NS		NS		NS		2.740	U
	25-Apr-08	NS		NS		2.740	U	NS		NS		NS		NS		2.740	U	2.740	U	2.740	U	NS	
	29-May-08	NS		NS		NS		2.740	U	NS		NS		NS		NS		2.740	U	2.740	U	2.740	U
	27-Jun-08	4.270	U	NS		NS		NS		2.740	U	NS		NS		NS		NB		2.740	U	NS	
	31-Jul-08	NS		2.740	U	NS		NS		NS		NS		NS		NS		NS		2.740	U	2.740	U
	28-Aug-08	NS		NS		2.740	U	NS		NS		NS		2.740	U	NS		5.500	U	NS		5.500	U
	30-Sep-08	NS		NS		NS		5.500	U	NS		NB		NS		NS		18.500		NS		5.500	U
	27-Oct-08	12.500		NS		NS		NS		5.500	U	NS		5.500	U	NS		5.500	U	5.500	U	NS	
	25-Nov-08	NS		5.500	U	NS		NS		NS		NE		5.500	U	NS		NS		5.500	U	5.500	U
	18-Dec-08	NS		NS		5.500	U	NB		NS		NS		NS		NS		5.500	U	NB		5.500	U
	21-Jan-09	NS		NS		NS		5.500	U	NS		NS		NS		NS		5.500	U	5.500	U	NS	
	25-Feb-09	5.500	U	NS		NS		NS		5.500	U	NS		NS		NS		NS		NS		2.740	U
	26-Mar-09	NS		13.700	U	NB		NS		NS		27.400	U	NB		NS		NS				2.740	U
	29-Apr-09					2.740	U							2.740	U			2.740	U				
Benzene	15-Mar-07	2000000.000		2400000.000		1300000.000		1900000.000		260000.000		2300000.000		810000.000		1200000.000		NS		NS		NS	
	22-Mar-07	44100.000		93600.000		58000.000		55500.000		54700.000		1320000.000		2380.000		50100.000		NS		NS		NS	
	26-Apr-07	1850.000		1300.000		14100.000		1390.000		3180.000		30000.000		188.000		11500.000		NS		NB		NS	
	21-May-07	824.000		1210.000		5100.000		761.000		2360.000		3740.000		13.700		2750.000		NS		NS		NS	
	29-Jun-07	490.000		410.000		1100.000		774.000		1600.000		4700.000		170.000		1400.000		NS		NB		NS	
	30-Jul-07	390.000		NS		NB		14000.000		NS		3100.000		180.000		NS		NS		NB		NS	
	22-Aug-07	NS		NB		448.000		NS		386.000		NS		NS		NS		47.900	U	32.700		NS	
	20-Sep-07	NS		1100.000		NB		NS		NS		NS		NS		483.000		NS		49.300		33.500	
	9-Oct-07	118.000		NB		NB		NS		84.400		NS		NB		NS		12.800		NS		16.500	
	7-Nov-07	NS		43.700		NB		NS		NS		255.000		NS		NS		5.210		8.100		NS	
	6-Dec-07	NS		NB		35.200		NS		NB		NS		14.000		NS		NS		11.200		10.100	
	8-Jan-08	NS		NB		NS		40.700		NS		NS		NS		66.500		10.700		NS		5.850	
	6-Feb-08	17.200		NB		NS		NS		4.750	U	NS		NS		NS		5.820		11.400		NB	
	27-Mar-08	NS		28.700		NS		NS		NB		NS		NS		NS		NB		217.000		12.400	
	25-Apr-08	NS		NB		188.000		NB		NB		NS		513.000		NS		34.000		NB		33.900	
	29-May-08	NS		NB		NB		40.900		NB		NS		NS		82.900		9.820		18.400		NB	
	27-Jun-08	107.000		NS		NB		NS		145.000		NS		NS		NS		NB		20.400		8.730	
	31-Jul-08	NS		101.000		9130.000		NS		NS		NS		NS		NS		14.400		NS		15.100	
	28-Aug-08	NB		NS		NS		32.800		NS		NS		30.800		NS		48.000		47.800		NB	
	30-Sep-08	NB		NS		NB		NS		15.000		NS		NS		44.100		NB		9.400		12.800	
	27-Oct-08	16.800		NB		NS		NS		NS		183.000		NS		NS		17.900		NB		33.300	
	25-Nov-08	NB		148.000		NS		NS		NS		NS		12.400		NS		13.000		24.700		NB	
	18-Dec-08	NB		NB		856.000		NS		NS		NE		NE		6.100		NB		37.200		22.000	
	21-Jan-09	NB		NB		NB		18.100		NS		NS		NB		NS		2.400	U	NB		4.800	
	25-Feb-09	28.600		NB		NB		NB		60.800		NS		NS		NB		9.500		8.300		NB	
	26-Mar-09	NB		102.000		NB		NB		NB		47.500	U	NB				NB		50.800		64.800	
	29-Apr-09					1960.000								23.300				5.150				22.100	

Date Modified: 6/23/2009

Summary of Sub-Slab Air Sampling Data - Adelaide Avenue School Project - Volatile Organic Compounds
March 2007 - April 2009

Volatile Organic Compounds via TO-15	Sample Date	MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	MP-1	Qual	MP-2	Qual	MP-3	Qual
2-Butanone	15-Mar-07	19000000.000		19000000.000		6000000.000		18000000.000		3400000.000		6400000.000		1000000.000		6700000.000		NS		NS		NS	
	22-Mar-07	5050000.000		11800000.000		3580000.000		7420000.000		7380000.000		5120000.000		51800.000		357000.000		NS		NS		NS	
	28-Apr-07	29200.000		15100.000		87600.000		19800.000		2220.000		93000.000		2870.000		43000.000		NS		NS		NS	
	21-May-07	29500.000		4340.000		13600.000		14100.000		1560.000		10700.000		1.470	U	10200.000		NS		NS		NS	
	29-Jun-07	7100.000		6200.000		6300.000		11000.000		8400.000		21000.000		2200.000		12000.000		NS		NS		NS	
	30-Jul-07	4800.000		NS		NS		180000.000		NS		13000.000		2800.000		NS		NS		NS		NS	
	22-Aug-07	NS		NS		2810.000		NS		3600.000		NS		NS		NS		14.700	U	3.580		NS	
	26-Sep-07	NS		14400.000		NS		NS		NS		NS		NS		2700.000		NS		7.710		6.910	
	9-Oct-07	2800.000		NS		NS		NS		512.000		NS		NS		NS		4.520		NS		10.800	
	7-Nov-07	NS		277.000		NS		NS		NS		877.000		NS		NS		2.740		3.480		NS	
	6-Dec-07	NS		NS		49.400		NS		NS		NS		36.800		NS		NS		33.400		22.900	
	8-Jan-08	NS		NS		NS		NS		NS		NS		NS		566.000		1.770		NS		1.470	U
	6-Feb-08	126.000		NS		NS		NS		1.470	U	NS		NS		NS		3.040		10.800		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		1880.000		NS		2.240		NS		1.470	U
	28-May-08	NS		NS		NS		537.000		NS		NS		NS		591.000		2.270		3.040		NS	
	27-Jun-08	1080.000		NS		NS		NS		948.000		NS		NS		NS		NS		8.920		3.640	
	31-Jul-08	NS		1350.000		NS		NS		NS		NS		NS		NS		12.000		NS		2.580	
	28-Aug-08	NS		NS		6380.000		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		2.050		1.500	U
	27-Oct-08	53.500		NS		NS		NS		30.500		NS		NS		NS		2.400		NS		5.700	
	26-Nov-08	NS		802.000		NS		NS		NS		396.000		NS		NS		1.920		2.400		NS	
	18-Dec-08	NS		NS		5830.000		NS		NS		NS		8.300		NS		NS		2.800		3.300	
	21-Jan-09	NS		NS		NS		209.000		NS		NS		NS		24.000		1.500	U	NS		1.500	U
	25-Feb-09	30.000		NS		NS		NS		194.000		NS		NS		NS		1.500	U	1.500	U	NS	
	26-Mar-09	NS		926.000		NS		NS		NS		29.100		NS		NS		NS		2.680		3.020	
	28-Apr-09					12400.000								38.100				1.470	U			3.080	
4-Methyl-2-pentanone	15-Mar-07	8200.000	U	8850.000	U	8400.000	U	8900.000	U	8700.000	U	3500.000	U	1400.000	U	3600.000	U	NS		NS		NS	
	22-Mar-07	51.200	U	51.200	U	51.200	U	51.200	U	51.200	U	51.200	U	51.200	U	70.500	U	NS		NS		NS	
	28-Apr-07	70.500	U	70.500	U	70.500	U	70.500	U	70.500	U	70.500	U	70.500	U	70.500	U	NS		NS		NS	
	21-May-07	37.200	U	70.500	U	70.500	U	34.800	U	70.500	U	70.500	U	2.350	U	70.500	U	NS		NS		NS	
	29-Jun-07	10.000	U	10.000	U	10.000	U	10.000	U	10.000	U	20.000	U	10.000	U	10.000	U	NS		NS		NS	
	30-Jul-07	10.000	U	NS		NS		20.000	U	NS		10.000	U	51.000	U	NS		NS		NS		NS	
	22-Aug-07	NS		NS		70.500	U	NS		51.200	U	NS		NS		NS		NS		70.500	U	NS	
	26-Sep-07	NS		51.200	U	NS		NS		NS		NS		NS		51.200	U	NS		2.050	U	2.050	U
	9-Oct-07	51.200	U	NS		NS		NS		10.200	U	NS		NS		NS		2.050	U	NS		2.050	U
	7-Nov-07	NS		2.050	U	NS		NS		NS		2.050	U	NS		NS		2.050	U	2.050	U	NS	
	6-Dec-07	NS		NS		2.050	U	NS		NS		NS		2.050	U	NS		NS		NS		2.050	U
	8-Jan-08	NS		NS		NS		2.050	U	NS		NS		NS		2.050	U	2.050	U	NS		2.050	U
	6-Feb-08	2.050	U	NS		NS		NS		2.050	U	NS		NS		NS		NS		2.050	U	NS	
	27-Mar-08	NS		2.050	U	NS		NS		NS		NS		NS		NS		NS		NS		15.200	
	25-Apr-08	NS		NS		2.050	U	NS		NS		NS		2.050	U	NS		2.050	U	NS		2.050	U
	28-May-08	NS		NS		NS		2.050	U	NS		NS		NS		2.050	U	2.050	U	2.050	U	NS	
	27-Jun-08	3.180	U	NS		NS		NS		2.050	U	NS		NS		NS		NS		2.050	U	2.050	U
	31-Jul-08	NS		2.050	U	NS		NS		NS		NS		NS		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		2.050	U	NS		NS		NS		3.050	U	NS		2.050	U	2.050	U
	27-Oct-08	2.050	U	NS		NS		NS		2.050	U	NS		NS		NS		2.050	U	NS		2.050	U
	26-Nov-08	NS		2.050	U	NS		NS		NS		2.050	U	NS		NS		2.050	U	2.050	U	NS	
	18-Dec-08	NS		NS		2.050	U	NS		NS		NS		2.050	U	NS		NS		2.050	U	2.050	U
	21-Jan-09	NS		NS		NS		3.050	U	NS		NS		NS		2.050	U	2.050	U	NS		2.050	U
	25-Feb-09	2.050	U	NS		NS		NS		2.050	U	NS		NS		NS		NS		2.050	U	NS	
	26-Mar-09	NS		16.200	U	NS		NS		NS		29.500	U	NS		NS		NS		NS		2.050	U
	28-Apr-09					2.050	U							2.050	U			2.050	U			2.050	U

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

Date Modified: 6/23/2009

ANALYTICAL REPORT

Lab Number:	L0903761
Client:	EA Engineering, Science and Tech 2350 Post Road Warwick, RI 02886
ATTN:	Mark Speer
Project Name:	ALVEREZ HS
Project Number:	14613.01
Report Date:	04/07/09

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

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

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0903761
Report Date: 04/07/09

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0903761-01	MP-2	PROVIDENCE, RI	03/26/09 08:15
L0903761-02	MP-6	PROVIDENCE, RI	03/26/09 08:20
L0903761-03	IMP-2	PROVIDENCE, RI	03/26/09 07:58
L0903761-04	IMP-3	PROVIDENCE, RI	03/26/09 07:52

Project Name:	ALVEREZ HS	**Lab Number:**	L0903761
Project Number:	14613.01	**Report Date:**	04/07/09

Case Narrative

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

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

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

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

TO15-SIM

L0903761-01 has elevated detection limits due to the 5x dilution required by the elevated concentrations of target compounds in the sample. The sample was re-analyzed on a 10x dilution in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

L0903761-02 has elevated detection limits due to the 10x dilution required by the elevated concentrations of non-target compounds in the sample.

The WG358026-2 LCS recoveries for trans-1,3-Dichloropropene and n-Butylbenzene are outside the 70%-

Project Name:	ALVEREZ HS	**Lab Number:**	L0903761
Project Number:	14613.01	**Report Date:**	04/07/09

Case Narrative (continued)

130% acceptance limit. The LCS was within overall method allowances, therefore the analysis proceeded.

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

Authorized Signature: Kathleen M. Ahern

Title: Technical Director/Representative

Date: 04/07/09

AIR

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0903761
Report Date: 04/07/09

SAMPLE RESULTS

Lab ID: L0903761-01 D
Client ID: MP-2
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/04/09 16:53
Analyst: AJ

Date Collected: 03/26/09 08:15
Date Received: 03/27/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
1,1,1-Trichloroethane	0.292	0.100	1.59	0.545		5
1,1,1,2-Tetrachloroethane	ND	0.100	ND	0.686		5
1,1,2,2-Tetrachloroethane	ND	0.100	ND	0.686		5
1,1,2-Trichloroethane	ND	0.100	ND	0.545		5
1,1-Dichloroethane	ND	0.100	ND	0.404		5
1,1-Dichloroethene	ND	0.100	ND	0.396		5
1,2,4-Trimethylbenzene	ND	0.100	ND	0.491		5
1,2-Dibromoethane	ND	0.100	ND	0.768		5
1,2-Dichlorobenzene	ND	0.100	ND	0.601		5
1,2-Dichloroethane	ND	0.100	ND	0.404		5
1,2-Dichloropropane	ND	0.100	ND	0.462		5
1,3,5-Trimethylbenzene	ND	0.100	ND	0.491		5
1,3-Dichlorobenzene	ND	0.100	ND	0.601		5
1,4-Dichlorobenzene	0.904	0.100	5.43	0.601		5
Benzene	0.658	0.350	2.10	1.12		5
Bromodichloromethane	ND	0.100	ND	0.670		5
Bromoform	ND	0.100	ND	1.03		5
Carbon tetrachloride	ND	0.100	ND	0.629		5
Chlorobenzene	ND	0.100	ND	0.460		5
Chloroethane	ND	0.100	ND	0.264		5
Chloroform	ND	0.100	ND	0.488		5
Chloromethane	ND	2.50	ND	12.2		5
cis-1,2-Dichloroethene	ND	0.100	ND	0.396		5
cis-1,3-Dichloropropene	ND	0.100	ND	0.453		5
Dibromochloromethane	ND	0.100	ND	0.480		5

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0903761
Report Date: 04/07/09

SAMPLE RESULTS

Lab ID: L0903761-01 D
Client ID: MP-2
Sample Location: PROVIDENCE, RI
Date Collected: 03/26/09 08:15
Date Received: 03/27/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Dichlorodifluoromethane	0.516	0.250	2.55	1.24		5
Ethylbenzene	0.119	0.100	0.516	0.434		5
Methylene chloride	4.63	2.50	16.1	8.68		5
Methyl tert butyl ether	ND	0.100	ND	0.360		5
p/m-Xylene	0.312	0.200	1.35	0.868		5
o-Xylene	0.112	0.100	0.486	0.434		5
Styrene	ND	0.200	ND	0.851		5
Tetrachloroethene	0.190	0.100	1.28	0.678		5
Toluene	0.936	0.200	3.53	0.753		5
trans-1,2-Dichloroethene	ND	0.100	ND	0.396		5
trans-1,3-Dichloropropene	ND	0.100	ND	0.453		5
Trichloroethene	1.71	0.100	9.20	0.537		5
Trichlorofluoromethane	0.255	0.250	1.43	1.40		5
Vinyl chloride	ND	0.100	ND	0.255		5
Acrylonitrile	ND	2.50	ND	5.42		5
n-Butylbenzene	ND	2.50	ND	13.7		5
sec-Butylbenzene	ND	2.50	ND	13.7		5
Isopropylbenzene	ND	2.50	ND	12.3		5
p-Isopropyltoluene	ND	2.50	ND	13.7		5
Acetone	43.2	10.0	102	23.7		5
2-Butanone	314	2.50	926	7.37	E	5
4-Methyl-2-pentanone	ND	2.50	ND	10.2		5

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0903761
Report Date: 04/07/09

SAMPLE RESULTS

Lab ID: L0903761-01 D2
Client ID: MP-2
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/07/09 03:24
Analyst: AJ

Date Collected: 03/26/09 08:15
Date Received: 03/27/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
2-Butanone	328	5.00	966	14.7		10

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0903761
Report Date: 04/07/09

SAMPLE RESULTS

Lab ID: L0903761-02
Client ID: MP-6
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/04/09 17:29
Analyst: AJ

Date Collected: 03/26/09 08:20
Date Received: 03/27/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
1,1,1-Trichloroethane	ND	0.200	ND	1.09		10
1,1,1,2-Tetrachloroethane	ND	0.200	ND	1.37		10
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		10
1,1,2-Trichloroethane	ND	0.200	ND	1.09		10
1,1-Dichloroethane	ND	0.200	ND	0.809		10
1,1-Dichloroethene	ND	0.200	ND	0.792		10
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		10
1,2-Dibromoethane	ND	0.200	ND	1.54		10
1,2-Dichlorobenzene	ND	0.200	ND	1.20		10
1,2-Dichloroethane	ND	0.200	ND	0.809		10
1,2-Dichloropropane	ND	0.200	ND	0.924		10
1,3,5-Trimethylbenzene	ND	0.200	ND	0.982		10
1,3-Dichlorobenzene	ND	0.200	ND	1.20		10
1,4-Dichlorobenzene	0.810	0.200	4.87	1.20		10
Benzene	ND	0.700	ND	2.23		10
Bromodichloromethane	ND	0.200	ND	1.34		10
Bromoform	ND	0.200	ND	2.06		10
Carbon tetrachloride	ND	0.200	ND	1.26		10
Chlorobenzene	ND	0.200	ND	0.920		10
Chloroethane	ND	0.200	ND	0.527		10
Chloroform	0.265	0.200	1.29	0.976		10
Chloromethane	ND	5.00	ND	24.4		10
cis-1,2-Dichloroethene	ND	0.200	ND	0.792		10
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		10
Dibromochloromethane	ND	0.200	ND	0.960		10

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0903761
Report Date: 04/07/09

SAMPLE RESULTS

Lab ID: L0903761-02
Client ID: MP-6
Sample Location: PROVIDENCE, RI
Date Collected: 03/26/09 08:20
Date Received: 03/27/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Dichlorodifluoromethane	0.503	0.500	2.48	2.47		10
Ethylbenzene	ND	0.200	ND	0.868		10
Methylene chloride	ND	5.00	ND	17.4		10
Methyl tert butyl ether	ND	0.200	ND	0.720		10
p/m-Xylene	ND	0.400	ND	1.74		10
o-Xylene	ND	0.200	ND	0.868		10
Styrene	ND	0.400	ND	1.70		10
Tetrachloroethene	ND	0.200	ND	1.36		10
Toluene	1.04	0.400	3.92	1.51		10
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		10
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		10
Trichloroethene	0.723	0.200	3.88	1.07		10
Trichlorofluoromethane	ND	0.500	ND	2.81		10
Vinyl chloride	ND	0.200	ND	0.511		10
Acrylonitrile	ND	5.00	ND	10.8		10
n-Butylbenzene	ND	5.00	ND	27.4		10
sec-Butylbenzene	ND	5.00	ND	27.4		10
Isopropylbenzene	ND	5.00	ND	24.6		10
p-Isopropyltoluene	ND	5.00	ND	27.4		10
Acetone	ND	20.0	ND	47.5		10
2-Butanone	9.88	5.00	29.1	14.7		10
4-Methyl-2-pentanone	ND	5.00	ND	20.5		10

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0903761
Report Date: 04/07/09

SAMPLE RESULTS

Lab ID: L0903761-03
Client ID: IMP-2
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/04/09 18:06
Analyst: AJ

Date Collected: 03/26/09 07:58
Date Received: 03/27/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
1,1,1-Trichloroethane	0.125	0.020	0.682	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	0.222	0.020	1.09	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	0.024	0.020	0.098	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	0.069	0.020	0.337	0.098		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	3.43	0.020	20.6	0.120		1
Benzene	0.296	0.070	0.945	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Carbon tetrachloride	0.096	0.020	0.601	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	0.046	0.020	0.121	0.053		1
Chloroform	0.054	0.020	0.265	0.098		1
Chloromethane	0.939	0.500	4.58	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0903761
Report Date: 04/07/09

SAMPLE RESULTS

Lab ID: L0903761-03
Client ID: IMP-2
Sample Location: PROVIDENCE, RI
Date Collected: 03/26/09 07:58
Date Received: 03/27/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Dichlorodifluoromethane	0.497	0.050	2.46	0.247		1
Ethylbenzene	0.195	0.020	0.845	0.087		1
Methylene chloride	ND	0.500	ND	1.74		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
p/m-Xylene	0.596	0.040	2.59	0.174		1
o-Xylene	0.212	0.020	0.922	0.087		1
Styrene	0.069	0.040	0.292	0.170		1
Tetrachloroethene	1.05	0.020	7.11	0.136		1
Toluene	1.92	0.040	7.23	0.151		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	4.68	0.020	25.1	0.107		1
Trichlorofluoromethane	3.49	0.050	19.6	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	21.3	2.00	50.6	4.75		1
2-Butanone	0.901	0.500	2.66	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0903761
Report Date: 04/07/09

SAMPLE RESULTS

Lab ID: L0903761-04
Client ID: IMP-3
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/04/09 19:22
Analyst: AJ

Date Collected: 03/26/09 07:52
Date Received: 03/27/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
1,1,1-Trichloroethane	0.039	0.020	0.213	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	0.315	0.020	1.55	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	0.033	0.020	0.133	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	0.087	0.020	0.425	0.098		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	5.49	0.020	33.0	0.120		1
Benzene	0.465	0.070	1.48	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Carbon tetrachloride	0.090	0.020	0.565	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	0.024	0.020	0.063	0.053		1
Chloroform	0.041	0.020	0.200	0.098		1
Chloromethane	ND	0.500	ND	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0903761
Report Date: 04/07/09

SAMPLE RESULTS

Lab ID: L0903761-04
Client ID: IMP-3
Sample Location: PROVIDENCE, RI
Date Collected: 03/26/09 07:52
Date Received: 03/27/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Dichlorodifluoromethane	0.488	0.050	2.41	0.247		1
Ethylbenzene	0.271	0.020	1.18	0.087		1
Methylene chloride	0.519	0.500	1.80	1.74		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
p/m-Xylene	0.820	0.040	3.56	0.174		1
o-Xylene	0.296	0.020	1.28	0.087		1
Styrene	0.085	0.040	0.361	0.170		1
Tetrachloroethene	0.307	0.020	2.08	0.136		1
Toluene	2.59	0.040	9.75	0.151		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	1.02	0.020	5.49	0.107		1
Trichlorofluoromethane	1.83	0.050	10.3	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	27.3	2.00	64.8	4.75		1
2-Butanone	1.02	0.500	3.02	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0903761
Report Date: 04/07/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 04/04/09 13:46

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-04 Batch: WG358026-3						
1,1,1-Trichloroethane	ND	0.020	ND	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	ND	0.020	ND	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	ND	0.020	ND	0.098		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	ND	0.020	ND	0.120		1
Benzene	ND	0.070	ND	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Carbon tetrachloride	ND	0.020	ND	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	ND	0.020	ND	0.098		1
Chloromethane	ND	0.500	ND	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0903761
Report Date: 04/07/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 04/04/09 13:46

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-04 Batch: WG358026-3						
Dichlorodifluoromethane	ND	0.050	ND	0.247		1
Ethylbenzene	ND	0.020	ND	0.087		1
Methylene chloride	ND	0.500	ND	1.74		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
p/m-Xylene	ND	0.040	ND	0.174		1
o-Xylene	ND	0.020	ND	0.087		1
Styrene	ND	0.040	ND	0.170		1
Tetrachloroethene	ND	0.020	ND	0.136		1
Toluene	ND	0.040	ND	0.151		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	ND	0.020	ND	0.107		1
Trichlorofluoromethane	ND	0.050	ND	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	ND	2.00	ND	4.75		1
2-Butanone	ND	0.500	ND	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0903761
Report Date: 04/07/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 04/06/09 19:55

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01 Batch: WG358026-7						
2-Butanone	ND	0.500	ND	1.47		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0903761
Report Date: 04/07/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-04 Batch: WG358026-2					
1,1,1-Trichloroethane	106	-	70-130	-	
1,1,1,2-Tetrachloroethane	89	-	70-130	-	
1,1,2,2-Tetrachloroethane	100	-	70-130	-	
1,1,2-Trichloroethane	92	-	70-130	-	
1,1-Dichloroethane	108	-	70-130	-	
1,1-Dichloroethene	109	-	70-130	-	
1,2,4-Trimethylbenzene	97	-	70-130	-	
1,2-Dibromoethane	84	-	70-130	-	
1,2-Dichlorobenzene	102	-	70-130	-	
1,2-Dichloroethane	104	-	70-130	-	
1,2-Dichloropropane	97	-	70-130	-	
1,3,5-Trimethylbenzene	90	-	70-130	-	
1,3-Dichlorobenzene	95	-	70-130	-	
1,4-Dichlorobenzene	96	-	70-130	-	
Benzene	87	-	70-130	-	
Bromodichloromethane	100	-	70-130	-	
Bromoform	86	-	70-130	-	
Carbon tetrachloride	101	-	70-130	-	
Chlorobenzene	87	-	70-130	-	
Chloroethane	109	-	70-130	-	
Chloroform	109	-	70-130	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0903761
Report Date: 04/07/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab	**Associated sample(s): 01-04**	**Batch: WG358026-2**			
Chloromethane	105	-	70-130	-	
cis-1,2-Dichloroethene	105	-	70-130	-	
cis-1,3-Dichloropropene	79	-	70-130	-	
Dibromochloromethane	95	-	70-130	-	
Dichlorodifluoromethane	111	-	70-130	-	
Ethylbenzene	87	-	70-130	-	
Methylene chloride	93	-	70-130	-	
Methyl tert butyl ether	104	-	70-130	-	
p/m-Xylene	87	-	70-130	-	
o-Xylene	90	-	70-130	-	
Styrene	70	-	70-130	-	
Tetrachloroethene	108	-	70-130	-	
Toluene	84	-	70-130	-	
trans-1,2-Dichloroethene	98	-	70-130	-	
trans-1,3-Dichloropropene	64	-	70-130	-	
Trichloroethene	105	-	70-130	-	
Trichlorofluoromethane	114	-	70-130	-	
Vinyl chloride	111	-	70-130	-	
Acrylonitrile	87	-	70-130	-	
n-Butylbenzene	140	-	70-130	-	
sec-Butylbenzene	94	-	70-130	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0903761
Report Date: 04/07/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-04 Batch: WG358026-2					
Isopropylbenzene	85	-	70-130	-	
p-Isopropyltoluene	99	-	70-130	-	
Acetone	101	-	70-130	-	
2-Butanone	103	-	70-130	-	
4-Methyl-2-pentanone	100	-	70-130	-	
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01 Batch: WG358026-6					
2-Butanone	104	-	70-130	-	

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0903761
Report Date: 04/07/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG358026-4 QC Sample: L0903761-03 Client ID: IMP-2					
1,1,1-Trichloroethane	0.125	0.127	ppbV	2	25
1,1,1,2-Tetrachloroethane	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
1,1-Dichloroethane	ND	ND	ppbV	NC	25
1,1-Dichloroethene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	0.222	0.239	ppbV	7	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichloroethane	0.024	0.025	ppbV	2	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	0.069	0.073	ppbV	6	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	3.43	3.60	ppbV	5	25
Benzene	0.296	0.371	ppbV	22	25
Bromodichloromethane	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Carbon tetrachloride	0.096	0.095	ppbV	0	25
Chlorobenzene	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0903761
Report Date: 04/07/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by **SIM - Mansfield Lab** **Associated sample(s): 01-04** **QC Batch ID: WG358026-4** **QC Sample: L0903761-03** **Client ID: IMP-2**					
Chloroethane	0.046	0.046	ppbV	0	25
Chloroform	0.054	0.056	ppbV	2	25
Chloromethane	0.939	0.935	ppbV	0	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
Dichlorodifluoromethane	0.497	0.499	ppbV	0	25
Ethylbenzene	0.195	0.200	ppbV	3	25
Methylene chloride	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
p/m-Xylene	0.596	0.611	ppbV	2	25
o-Xylene	0.212	0.219	ppbV	3	25
Styrene	0.069	0.071	ppbV	4	25
Tetrachloroethene	1.05	1.07	ppbV	2	25
Toluene	1.92	1.96	ppbV	2	25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Trichloroethene	4.68	4.80	ppbV	3	25
Trichlorofluoromethane	3.49	3.47	ppbV	1	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0903761
Report Date: 04/07/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG358026-4 QC Sample: L0903761-03 Client ID: IMP-2					
Vinyl chloride	ND	ND	ppbV	NC	25
Acrylonitrile	ND	ND	ppbV	NC	25
n-Butylbenzene	ND	ND	ppbV	NC	25
sec-Butylbenzene	ND	ND	ppbV	NC	25
Isopropylbenzene	ND	ND	ppbV	NC	25
p-Isopropyltoluene	ND	ND	ppbV	NC	25
Acetone	21.3	21.4	ppbV	0	25
2-Butanone	0.901	0.900	ppbV	0	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25

Project Name: ALVEREZ HS **Lab Number:** L0903761

Project Number: 14613.01 **Report Date:** 04/07/09

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Cleaning Batch ID	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Out mL/min	Flow In mL/min	% RSD
L0903761-01	MP-2	0165	#90 SV		-	-	81	82	1
L0903761-01	MP-2	381	2.7L Can	I0902478	-29.7	-0.2	-	-	-
L0903761-02	MP-6	0362	#90 SV		-	-	81	75	8
L0903761-02	MP-6	502	2.7L Can	I0902478	-29.5	-2.2	-	-	-
L0903761-03	IMP-2	0367	#90 SV		-	-	80	85	6
L0903761-03	IMP-2	140	2.7L Can	I0902478	-29.7	-0.5	-	-	-
L0903761-04	IMP-3	0161	#90 SV		-	-	81	76	6
L0903761-04	IMP-3	409	2.7L Can	I0902478	-29.7	-4.7	-	-	-

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0903761
Report Date: 04/07/09

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
N/A	Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0903761-01A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L0903761-02A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L0903761-03A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L0903761-04A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)

*Hold days indicated by values in parentheses

Certificate/Approval Program Summary

Last revised February 18, 2009 – Mansfield Facility

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

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

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

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

Florida Department of Health Certificate/Lab ID: E87814.

Non-Potable Water (Inorganic Parameters: SM2320B, 4500NH3-F, EPA 120.1, SM2510B, 2340B, EPA 245.1, EPA 365.2, EPA 150.1, 160.1, SM2540C, EPA 160.2, SM2540D, EPA 335.2, 420.1, SM2540G, EPA 180.1. Organic Parameters: EPA 624, 625, 608.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 9050, 7470, 7471, 9045, EPA 7.3.3.2, EPA 7.3.4.2, 9014, 9065. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

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

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

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

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

Maine Department of Human Services Certificate/Lab ID: MA0030.

Wastewater (Inorganic Parameters: EPA 120.1, 300.0, SM 2320, 2510B, 2540C, 2540D, EPA 245.1. Organic Parameters: 608, 624.)

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

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

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

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

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

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

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

Atmospheric Organic Parameters (EPA TO-15)

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

Non-Potable Water (Inorganic Parameters: EPA 310.1, SM2320B, EPA 365.2, 160.1, SM2540C, EPA 160.2, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 335.2, 9014, 150.1, 9040B, 120.1, SM2510B, EPA 376.2, 180.1, 9010B. Organic Parameters: EPA 624, 8260B, 8270C, 608, 8081A, 625, 8082, 3510C, 3511, 5030B.)

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

Air & Emissions (EPA TO-15.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299.

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

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

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

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7471. Organic Parameters: EPA 8015, 8270.)

Pennsylvania Department of Environmental Protection Certificate/Lab ID: 68-02089. Registered Laboratory.

U.S. Army Corps of Engineers

AIR ANALYSIS

PAGE 1 OF 1

ALPHA ANALYTICAL — CHAIN OF CUSTODY

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

Date Rec'd in Lab:

ALPHA Job #: L0903761

Client Information

Client: EA Engineering
Address: 2350 Post Rd
Warwick, RI 02886
Phone: 401-736-3440
Fax: 401-736-3423
Email: rmalk@eaest.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Alvarez HS
Project Location: Providence, RI
Project #: 14613.01
Project Manager: Mark Speer
ALPHA Quote #:

Turn-Around Time

☒ Standard (10 DAYS) ☐ RUSH (only confirmed if pre-approved)

Date Due: Time:

Report Information - Data Deliverables

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

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria
CT	Target indoor air Concentrations	

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
L0903761-1	MP-2	3/26/09	744	815	30	2	SV	DAK	2.2	381	0165		X						PID = 54.8 ppm
-2	MP-6		752	820	30+	6				502	0362								1.77
-3	IMP-2		728	758	30	1				142	0367								2.48
-4	IMP-3		723	752	30+	7				409	0161								3.26

*SAMPLE MATRIX CODES

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

Container Type: 5

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

Relinquished By:	Date/Time	Received By:	Date/Time:
Dan Brandy	3/27 1330	Dan Brandy	3/27/9 1330
	3/27/09 1435		3/27/09 1435

Form No: 101-02 (rev 1-Feb-08)

04070916:02

ANALYTICAL REPORT

Lab Number:	L0905467
Client:	EA Engineering, Science and Tech 2350 Post Road Warwick, RI 02886
ATTN:	Mark Speer
Project Name:	ALVEREZ HS
Project Number:	14613.01
Report Date:	05/07/09

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC

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

Project Name:	ALVEREZ HS	**Lab Number:**	L0905467
Project Number:	14613.01	**Report Date:**	05/07/09

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0905467-01	MP-3	PROVIDENCE, RI	04/29/09 09:38
L0905467-02	MP-7	PROVIDENCE, RI	04/29/09 10:12
L0905467-03	IMP-1	PROVIDENCE, RI	04/29/09 08:15
L0905467-04	IMP-3	PROVIDENCE, RI	04/29/09 08:46

Project Name:	ALVEREZ HS	**Lab Number:**	L0905467
Project Number:	14613.01	**Report Date:**	05/07/09

Case Narrative

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

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

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

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

Volatile Organics in Air by SIM

L0905467-01 and -02: The results for Chloromethane should be considered estimated due to co-elution with a non-target peak.

L0905467-01 was re-analyzed on dilution in order to quantitate the sample within the calibration range. The result is qualified with an E flag for any compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

The WG361122-2 LCS recovery associated with L0905467-01 through -03 is below the acceptance criteria of 70-130% for trans-1,3-Dichloropropene (67%). The LCS was within overall method allowances, therefore the analysis proceeded.

Project Name:	ALVEREZ HS	**Lab Number:**	L0905467
Project Number:	14613.01	**Report Date:**	05/07/09

Case Narrative (continued)

The WG361122-6 LCS recovery associated with L0905467-01 and -04 is above the acceptance criteria of 70-130% for Carbon tetrachloride (142%). The LCS was within overall method allowances, therefore the analysis proceeded.

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

Authorized Signature: Luis L. Westerman

Title: Technical Director/Representative

Date: 05/07/09

AIR

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0905467
Report Date: 05/07/09

SAMPLE RESULTS

Lab ID: L0905467-01
Client ID: MP-3
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/05/09 00:26
Analyst: BS

Date Collected: 04/29/09 09:38
Date Received: 04/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
1,1,1-Trichloroethane	0 032	0.020	0.174	0 109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	0.047	0.020	0.190	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	0.054	0.020	0.265	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	0.079	0.020	0.319	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	0.030	0.020	0.147	0.098		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	0.199	0.020	1.20	0.120		1
Benzene	0.189	0.070	0.603	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Carbon tetrachloride	0.077	0.020	0.484	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	0.052	0.020	0.137	0.053		1
Chloroform	ND	0.020	ND	0.098		1
Chloromethane	4.59	0.500	22 4	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1
cis-1,3-Dichloropropene	ND	0.020	ND	0 091		1
Dibromochloromethane	ND	0.020	ND	0.096		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0905467
Report Date: 05/07/09

SAMPLE RESULTS

Lab ID: L0905467-01
Client ID: MP-3
Sample Location: PROVIDENCE, RI
Date Collected: 04/29/09 09:38
Date Received: 04/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Dichlorodifluoromethane	0.488	0.050	2.41	0.247		1
Ethylbenzene	0.045	0.020	0.195	0.087		1
Methylene chloride	ND	0.500	ND	1.74		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
p/m-Xylene	0.108	0.040	0.468	0.174		1
o-Xylene	0.040	0.020	0.174	0.087		1
Styrene	0.041	0.020	0.174	0.085		1
Tetrachloroethene	0.040	0.020	0.271	0.136		1
Toluene	0.529	0.020	1.99	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	0.041	0.020	0.220	0.107		1
Trichlorofluoromethane	0.258	0.050	1.45	0.281		1
Vinyl chloride	0.024	0.020	0.061	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	836	2.00	1980	4.75	E	1
2-Butanone	4220	0.500	12400	1.47	E	1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0905467
Report Date: 05/07/09

SAMPLE RESULTS

Lab ID: L0905467-01 D3
Client ID: MP-3
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/07/09 08:56
Analyst: BS

Date Collected: 04/29/09 09:38
Date Received: 04/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Acetone	484	316	1150	750		158.1
2-Butanone	5640	79.0	16600	233		158.1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0905467
Report Date: 05/07/09

SAMPLE RESULTS

Lab ID: L0905467-02
Client ID: MP-7
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/04/09 23:18
Analyst: BS

Date Collected: 04/29/09 10:12
Date Received: 04/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
1,1,1-Trichloroethane	0.027	0.020	0.147	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	0.077	0.020	0.378	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	0.026	0.020	0.128	0.098		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	0.318	0.020	1.91	0.120		1
Benzene	0.077	0.070	0.246	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Carbon tetrachloride	0.084	0.020	0.528	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	0.024	0.020	0.063	0.053		1
Chloroform	0.028	0.020	0.136	0.098		1
Chloromethane	3.98	0.500	19.4	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0905467
Report Date: 05/07/09

SAMPLE RESULTS

Lab ID: L0905467-02
Client ID: MP-7
Sample Location: PROVIDENCE, RI
Date Collected: 04/29/09 10:12
Date Received: 04/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Dichlorodifluoromethane	0.764	0.050	3.78	0.247		1
Ethylbenzene	0.044	0.020	0.191	0.087		1
Methylene chloride	ND	0.500	ND	1.74		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
p/m-Xylene	0.119	0.040	0.516	0.174		1
o-Xylene	0.048	0.020	0.208	0.087		1
Styrene	ND	0.020	ND	0.085		1
Tetrachloroethene	0.045	0.020	0.305	0.136		1
Toluene	0.173	0.020	0.651	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	0.223	0.020	1.20	0.107		1
Trichlorofluoromethane	0.754	0.050	4.23	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	9.82	2.00	23.3	4.75		1
2-Butanone	12.9	0.500	38.1	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0905467
Report Date: 05/07/09

SAMPLE RESULTS

Lab ID: L0905467-03
Client ID: IMP-1
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/04/09 23:52
Analyst: BS

Date Collected: 04/29/09 08:15
Date Received: 04/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
1,1,1-Trichloroethane	0.029	0.020	0.158	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	0.030	0.020	0.121	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	0.144	0.020	0.707	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	0.043	0.020	0.211	0.098		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	0.685	0.020	4.12	0.120		1
Benzene	ND	0.070	ND	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Carbon tetrachloride	0.083	0.020	0.522	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	ND	0.020	ND	0.098		1
Chloromethane	ND	0.500	ND	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0905467
Report Date: 05/07/09

SAMPLE RESULTS

Lab ID: L0905467-03
Client ID: IMP-1
Sample Location: PROVIDENCE, RI
Date Collected: 04/29/09 08:15
Date Received: 04/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Dichlorodifluoromethane	0.458	0.050	2.26	0.247		1
Ethylbenzene	0.070	0.020	0.304	0.087		1
Methylene chloride	ND	0.500	ND	1.74		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
p/m-Xylene	0.215	0.040	0.933	0.174		1
o-Xylene	0.085	0.020	0.369	0.087		1
Styrene	0.023	0.020	0.098	0.085		1
Tetrachloroethene	0.035	0.020	0.237	0.136		1
Toluene	0.396	0.020	1.49	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	0.073	0.020	0.392	0.107		1
Trichlorofluoromethane	0.227	0.050	1.27	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	2.17	2.00	5.15	4.75		1
2-Butanone	ND	0.500	ND	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0905467
Report Date: 05/07/09

SAMPLE RESULTS

Lab ID: L0905467-04
Client ID: IMP-3
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/06/09 23:03
Analyst: BS

Date Collected: 04/29/09 08:46
Date Received: 04/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
1,1,1-Trichloroethane	0.035	0.020	0.191	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	0.163	0.020	0.801	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	0.022	0.020	0.089	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	0.049	0.020	0.241	0.098		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	0.707	0.020	4.25	0.120		1
Benzene	0.115	0.070	0.367	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Carbon tetrachloride	0.104	0.020	0.654	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	0.274	0.020	1.34	0.098		1
Chloromethane	ND	0.500	ND	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1

Project Name: ALVEREZ HS
Project Number: 14613.01
Lab Number: L0905467
Report Date: 05/07/09

SAMPLE RESULTS

Lab ID: L0905467-04
Client ID: IMP-3
Sample Location: PROVIDENCE, RI
Date Collected: 04/29/09 08:46
Date Received: 04/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Dichlorodifluoromethane	0.486	0.050	2.40	0.247		1
Ethylbenzene	0.075	0.020	0.325	0.087		1
Methylene chloride	ND	0.500	ND	1.74		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
p/m-Xylene	0.244	0.040	1.06	0.174		1
o-Xylene	0.115	0.020	0.499	0.087		1
Styrene	0.057	0.020	0.243	0.085		1
Tetrachloroethene	0.102	0.020	0.691	0.136		1
Toluene	1.21	0.020	4.56	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	0.551	0.020	2.96	0.107		1
Trichlorofluoromethane	0.564	0.050	3.17	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	9.32	2.00	22.1	4.75		1
2-Butanone	1.04	0.500	3.06	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0905467
Report Date: 05/07/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 05/04/09 17:01

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-03 Batch: WG361122-3						
1,1,1-Trichloroethane	ND	0.020	ND	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	ND	0.020	ND	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	ND	0.020	ND	0.098		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	ND	0.020	ND	0.120		1
Benzene	ND	0.070	ND	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Carbon tetrachloride	ND	0.020	ND	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	ND	0.020	ND	0.098		1
Chloromethane	ND	0.500	ND	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0905467
Report Date: 05/07/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 05/04/09 17:01

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-03 Batch: WG361122-3						
Dichlorodifluoromethane	ND	0.050	ND	0.247		1
Ethylbenzene	ND	0.020	ND	0.087		1
Methylene chloride	ND	0.500	ND	1.74		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
p/m-Xylene	ND	0.040	ND	0.174		1
o-Xylene	ND	0.020	ND	0.087		1
Styrene	ND	0.020	ND	0.085		1
Tetrachloroethene	ND	0.020	ND	0.136		1
Toluene	ND	0.020	ND	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	ND	0.020	ND	0.107		1
Trichlorofluoromethane	ND	0.050	ND	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	ND	2.00	ND	4.75		1
2-Butanone	ND	0.500	ND	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0905467
Report Date: 05/07/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 05/06/09 17:02

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01,04 Batch: WG361122-7						
1,1,1-Trichloroethane	ND	0.020	ND	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	ND	0.020	ND	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	ND	0.020	ND	0.098		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	ND	0.020	ND	0.120		1
Benzene	ND	0.070	ND	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Carbon tetrachloride	ND	0.020	ND	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	ND	0.020	ND	0.098		1
Chloromethane	ND	0.500	ND	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0905467
Report Date: 05/07/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 05/06/09 17:02

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01,04 Batch: WG361122-7						
Dichlorodifluoromethane	ND	0.050	ND	0.247		1
Ethylbenzene	ND	0.020	ND	0.087		1
Methylene chloride	ND	0.500	ND	1.74		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
p/m-Xylene	ND	0.040	ND	0.174		1
o-Xylene	ND	0.020	ND	0.087		1
Styrene	ND	0.020	ND	0.085		1
Tetrachloroethene	ND	0.020	ND	0.136		1
Toluene	ND	0.020	ND	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	ND	0.020	ND	0.107		1
Trichlorofluoromethane	ND	0.050	ND	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	ND	2.00	ND	4.75		1
2-Butanone	ND	0.500	ND	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0905467
Report Date: 05/07/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-03 Batch: WG361122-2					
1,1,1-Trichloroethane	113	-	70-130	-	
1,1,1,2-Tetrachloroethane	87	-	70-130	-	
1,1,2,2-Tetrachloroethane	90	-	70-130	-	
1,1,2-Trichloroethane	98	-	70-130	-	
1,1-Dichloroethane	105	-	70-130	-	
1,1-Dichloroethene	105	-	70-130	-	
1,2,4-Trimethylbenzene	80	-	70-130	-	
1,2-Dibromoethane	86	-	70-130	-	
1,2-Dichlorobenzene	76	-	70-130	-	
1,2-Dichloroethane	104	-	70-130	-	
1,2-Dichloropropane	99	-	70-130	-	
1,3,5-Trimethylbenzene	81	-	70-130	-	
1,3-Dichlorobenzene	80	-	70-130	-	
1,4-Dichlorobenzene	79	-	70-130	-	
Benzene	89	-	70-130	-	
Bromodichloromethane	107	-	70-130	-	
Bromoform	89	-	70-130	-	
Carbon tetrachloride	117	-	70-130	-	
Chlorobenzene	91	-	70-130	-	
Chloroethane	104	-	70-130	-	
Chloroform	111	-	70-130	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0905467
Report Date: 05/07/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-03 Batch: WG361122-2					
Chloromethane	110	-	70-130	-	
cis-1,2-Dichloroethene	107	-	70-130	-	
cis-1,3-Dichloropropene	86	-	70-130	-	
Dibromochloromethane	101	-	70-130	-	
Dichlorodifluoromethane	107	-	70-130	-	
Ethylbenzene	86	-	70-130	-	
Methylene chloride	101	-	70-130	-	
Methyl tert butyl ether	91	-	70-130	-	
p/m-Xylene	85	-	70-130	-	
o-Xylene	87	-	70-130	-	
Styrene	77	-	70-130	-	
Tetrachloroethene	101	-	70-130	-	
Toluene	85	-	70-130	-	
trans-1,2-Dichloroethene	100	-	70-130	-	
trans-1,3-Dichloropropene	67	-	70-130	-	
Trichloroethene	105	-	70-130	-	
Trichlorofluoromethane	109	-	70-130	-	
Vinyl chloride	106	-	70-130	-	
Acrylonitrile	76	-	70-130	-	
n-Butylbenzene	78	-	70-130	-	
sec-Butylbenzene	78	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0905467
Report Date: 05/07/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-03 Batch: WG361122-2					
Isopropylbenzene	84	-	70-130	-	
p-Isopropyltoluene	71	-	70-130	-	
Acetone	93	-	70-130	-	
2-Butanone	98	-	70-130	-	
4-Methyl-2-pentanone	91	-	70-130	-	
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01,04 Batch: WG361122-6					
1,1,1-Trichloroethane	130	-	70-130	-	
1,1,1,2-Tetrachloroethane	94	-	70-130	-	
1,1,2,2-Tetrachloroethane	108	-	70-130	-	
1,1,2-Trichloroethane	122	-	70-130	-	
1,1-Dichloroethane	101	-	70-130	-	
1,1-Dichloroethene	106	-	70-130	-	
1,2,4-Trimethylbenzene	96	-	70-130	-	
1,2-Dibromoethane	93	-	70-130	-	
1,2-Dichlorobenzene	96	-	70-130	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0905467
Report Date: 05/07/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01,04 Batch: WG361122-6					
1,2-Dichloroethane	98	-	70-130	-	
1,2-Dichloropropane	114	-	70-130	-	
1,3,5-Trimethylbenzene	94	-	70-130	-	
1,3-Dichlorobenzene	97	-	70-130	-	
1,4-Dichlorobenzene	97	-	70-130	-	
Benzene	96	-	70-130	-	
Bromodichloromethane	119	-	70-130	-	
Bromoform	91	-	70-130	-	
Carbon tetrachloride	142	-	70-130	-	
Chlorobenzene	97	-	70-130	-	
Chloroethane	103	-	70-130	-	
Chloroform	111	-	70-130	-	
Chloromethane	111	-	70-130	-	
cis-1,2-Dichloroethene	105	-	70-130	-	
cis-1,3-Dichloropropene	103	-	70-130	-	
Dibromochloromethane	98	-	70-130	-	
Dichlorodifluoromethane	106	-	70-130	-	
Ethylbenzene	97	-	70-130	-	
Methylene chloride	104	-	70-130	-	
Methyl tert butyl ether	95	-	70-130	-	
p/m-Xylene	98	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0905467
Report Date: 05/07/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01,04 Batch: WG361122-6					
o-Xylene	101	-	70-130	-	
Styrene	89	-	70-130	-	
Tetrachloroethene	100	-	70-130	-	
Toluene	87	-	70-130	-	
trans-1,2-Dichloroethene	96	-	70-130	-	
trans-1,3-Dichloropropene	89	-	70-130	-	
Trichloroethene	122	-	70-130	-	
Trichlorofluoromethane	109	-	70-130	-	
Vinyl chloride	104	-	70-130	-	
Acrylonitrile	82	-	70-130	-	
n-Butylbenzene	102	-	70-130	-	
sec-Butylbenzene	94	-	70-130	-	
Isopropylbenzene	97	-	70-130	-	
p-Isopropyltoluene	87	-	70-130	-	
Acetone	102	-	70-130	-	
2-Butanone	108	-	70-130	-	
4-Methyl-2-pentanone	122	-	70-130	-	

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0905467
Report Date: 05/07/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG361122-4 QC Sample: L0905469-03 Client ID: DUP Sample					
1,1,1-Trichloroethane	0.022	0.022	ppbV	0	25
1,1,1,2-Tetrachloroethane	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
1,1-Dichloroethane	ND	ND	ppbV	NC	25
1,1-Dichloroethene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	0.031	0.037	ppbV	18	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	0.041	0.051	ppbV	22	25
Benzene	0.186	0.173	ppbV	7	25
Bromodichloromethane	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Carbon tetrachloride	0.085	0.087	ppbV	2	25
Chlorobenzene	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0905467
Report Date: 05/07/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG361122-4 QC Sample: L0905469-03 Client ID: DUP Sample					
Chloroethane	ND	ND	ppbV	NC	25
Chloroform	0.039	0.037	ppbV	5	25
Chloromethane	0.556	0.564	ppbV	1	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
Dichlorodifluoromethane	0.507	0.517	ppbV	2	25
Ethylbenzene	0.045	0.045	ppbV	0	25
Methylene chloride	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
p/m-Xylene	0.105	0.107	ppbV	2	25
o-Xylene	0.033	0.034	ppbV	3	25
Styrene	0.121	0.138	ppbV	13	25
Tetrachloroethene	ND	ND	ppbV	NC	25
Toluene	0.207	0.200	ppbV	3	25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
Trichlorofluoromethane	0.265	0.272	ppbV	3	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0905467
Report Date: 05/07/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated **sample(s): 01-04 QC Batch ID: WG361122-4 QC Sample: L0905469-03 Client ID: DUP Sample**					
Vinyl chloride	ND	ND	ppbV	NC	25
Acrylonitrile	ND	ND	ppbV	NC	25
n-Butylbenzene	ND	ND	ppbV	NC	25
sec-Butylbenzene	ND	ND	ppbV	NC	25
Isopropylbenzene	ND	ND	ppbV	NC	25
p-Isopropyltoluene	ND	ND	ppbV	NC	25
Acetone	ND	ND	ppbV	NC	25
2-Butanone	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0905467
Report Date: 05/07/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - **Mansfield Lab** Associated **sample(s): 01-04** **QC Batch ID: WG361122-8** **QC Sample: L0905467-04** **Client ID: IMP-3**					
1,1,1-Trichloroethane	0.035	0.030	ppbV	15	25
1,1,1,2-Tetrachloroethane	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
1,1-Dichloroethane	ND	ND	ppbV	NC	25
1,1-Dichloroethene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	0.163	0.153	ppbV	6	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichloroethane	0.022	0.020	ppbV	10	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	0.049	0.045	ppbV	9	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	0.707	0.696	ppbV	2	25
Benzene	0.115	0.099	ppbV	15	25
Bromodichloromethane	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Carbon tetrachloride	0.104	0.090	ppbV	14	25
Chlorobenzene	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0905467
Report Date: 05/07/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG361122-8 QC Sample: L0905467-04 Client ID: IMP-3					
Chloroethane	ND	ND	ppbV	NC	25
Chloroform	0.274	0.253	ppbV	8	25
Chloromethane	ND	ND	ppbV	NC	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
Dichlorodifluoromethane	0.486	0.456	ppbV	6	25
Ethylbenzene	0.075	0.072	ppbV	4	25
Methylene chloride	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
p/m-Xylene	0.244	0.234	ppbV	4	25
o-Xylene	0.115	0.109	ppbV	5	25
Styrene	0.057	0.055	ppbV	4	25
Tetrachloroethene	0.102	0.099	ppbV	3	25
Toluene	1.21	1.16	ppbV	4	25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Trichloroethene	0.551	0.485	ppbV	13	25
Trichlorofluoromethane	0.564	0.530	ppbV	6	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVEREZ HS
Project Number: 14613.01

Lab Number: L0905467
Report Date: 05/07/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG361122-8 QC Sample: L0905467-04 Client ID: IMP-3					
Vinyl chloride	ND	ND	ppbV	NC	25
Acrylonitrile	ND	ND	ppbV	NC	25
n-Butylbenzene	ND	ND	ppbV	NC	25
sec-Butylbenzene	ND	ND	ppbV	NC	25
Isopropylbenzene	ND	ND	ppbV	NC	25
p-Isopropyltoluene	ND	ND	ppbV	NC	25
Acetone	9.32	8.10	ppbV	14	25
2-Butanone	1.04	0.899	ppbV	15	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25

Project Name:	ALVEREZ HS	**Lab Number:**	L0905467
Project Number:	14613.01	**Report Date:**	05/07/09

GLOSSARY

Acronyms

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

Terms

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

Data Qualifiers

*	· The batch duplicate RPD exceeds the acceptance criteria. This flag is not applicable when the sample concentrations are less than 5x the RDL. (Metals only.)
A	· Spectra identified as "Aldol Condensation Product".
B	· The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.
D	· Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	· Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	· The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
N	· The matrix spike recovery exceeds the acceptance criteria. This flag is not applicable when the sample concentration is greater than 4x the spike added. (Metals only.)
P	· The RPD between the results for the two columns exceeds the method-specified criteria.
R	· Analytical results are from sample re-analysis.
RE	· Analytical results are from sample re-extraction.
J	· Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

Report Format: Data Usability Report

Project Name:	ALVEREZ HS	**Lab Number:**	L0905467
Project Number:	14613.01	**Report Date:**	05/07/09

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certificate/Approval Program Summary

Last revised February 18, 2009 – Mansfield Facility

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

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

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

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

Florida Department of Health Certificate/Lab ID: E87814.

Non-Potable Water (Inorganic Parameters: SM2320B, 4500NH3-F, EPA 120.1, SM2510B, 2340B, EPA 245.1, EPA 365.2, EPA 150.1, 160.1, SM2540C, EPA 160.2, SM2540D, EPA 335.2, 420.1, SM2540G, EPA 180.1. Organic Parameters: EPA 624, 625, 608.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 9050, 7470, 7471, 9045, EPA 7.3.3.2, EPA 7.3.4.2, 9014, 9065. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

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

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

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

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

Maine Department of Human Services Certificate/Lab ID: MA0030.

Wastewater (Inorganic Parameters: EPA 120.1, 300.0, SM 2320, 2510B, 2540C, 2540D, EPA 245.1. Organic Parameters: 608, 624.)

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

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

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

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

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

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

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

Atmospheric Organic Parameters (EPA TO-15)

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

Non-Potable Water (Inorganic Parameters: EPA 310.1, SM2320B, EPA 365.2, 160.1, SM2540C, EPA 160.2, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 335.2, 9014, 150.1, 9040B, 120.1, SM2510B, EPA 376.2, 180.1, 9010B. Organic Parameters: EPA 624, 8260B, 8270C, 608, 8081A, 625, 8082, 3510C, 3511, 5030B.)

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

Air & Emissions (EPA TO-15.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299.

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

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

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

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7471. Organic Parameters: EPA 8015, 8270.)

Pennsylvania Department of Environmental Protection Certificate/Lab ID: 68-02089. Registered Laboratory.

U.S. Army Corps of Engineers

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 4/30/09

ALPHA Job #: L0905467

Client Information

Client: EA Engineering
Address: 2350 Post Rd
Warwick, RI 02886
Phone: 401-736-3448
Fax: 401-736-3423
Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Alyssa H.S
Project Location: Providence, RI
Project #: 14613.01
Project Manager: Mark K. Speer
ALPHA Quote #:

Turn-Around Time

☒ Standard 10 DAYS ☐ RUSH (only confirmed if pre-approved)

Date Due: 5/7/09 Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker: _____
(Default based on Regulatory Criteria Indicated)
Other Formats: _____
☒ EMAIL (standard pdf report)
☐ Additional Deliverables: _____

Report to: (if different than Project Manager)
rmack@eaest.com
mspeer@eaest.com

Billing Information

☐ Same as Client Info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria
CT	TARGET INDOOR AIR CONCENTRATIONS	

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	ANALYSIS TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
5467.1	MP-3	4/29	9:10	9:38	-30"	-4	SV	DA/DB	2.7L	0506	0652			X					PID = ~~0.05~~ 14.2 ppm (DB)
2	MP-7	↓	9:43	10:12	-29	-4	↓	↓	↓	0381	0368			↓					0.012
3	IMP-1		7:47	8:15	-30"	-1				0163	0206								0.044
4	IMP-3	↓	8:16	8:46	-29	-1	↓	↓	↓	0255	0448			↓					0

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

Container Type: S

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

Relinquished By:	Date/Time	Received By:	Date/Time
	4/30/09 1620		4/30/09 1800
	4/30/09 1800		5-1-09 17:10
Paul Dillon	5-1-09 1820		5/1/09 1820

Form No: 101-02 (rev.1-Feb-08)

05070917:18

Appendix D

Laboratory Reporting Limits Correspondence

June 26, 2009

To: Ron Mack
EA Engineering, Science, & Technology
2350 Post Road
Warwick, RI 02886

From: Katie O'Brien
Alpha Analytical
320 Forbes Blvd
Mansfield, MA 01581

Re: TO15 SIM Reporting Limits

Dear Ron,

As we communicated prior to the TO-15 SIM analyses completed for the Alverez High School air samples collected on 3/26/09 and 4/29/09; the SIM Reporting Limits achieved for the following compounds are the lowest that we can currently achieve at Alpha. Please note that these reporting limits are above the Draft Proposed CT RSR (Residential) Criteria for these compounds:

1,2-Dichloroethane SIM RL = 0.08 ug/m3
Ethylene Dibromide (a.k.a. 1,2-Dibromoethane) SIM RL = 0.15 ug/m3
1,1,1,2- Tetrachloroethane SIM RL = 0.14 ug/m3
1,1,2,2-Tetrachloroethane SIM RL = 0.14 ug/m3
Bromodichloromethane SIM RL = 0.13 ug/m3

Please don't hesitate to contact me at 508-844-4156 if you have any questions.

Best Regards,

Katie O'Brien

Appendix E

Order of Approval Amendment Request
27 April 2009

EA Engineering, Science, and Technology, Inc.

Airport Professional Park
2350 Post Road
Warwick, Rhode Island 02886
Telephone: 401-736-3440
Fax: 401-736-3423
www.eaest.com

27 April 2009

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

RE: Order of Approval Amendment Request
Alvarez High School, 333 Adelaide Avenue, Providence, Rhode Island
Case No. 2005-029
EA Project No. 14613.01

Dear Mr. Martella:

On behalf of the City of Providence School Department (City), EA Engineering, Science, and Technology, Inc. (EA) is providing this letter request to revise the current indoor air and subslab vapor monitoring program at the above referenced Alvarez High School site (the Site). A summary of site data collected is provided below and is intended to provide support for our request.

Project Monitoring History

The Alvarez High School (formerly Adelaide High School) is constructed upon property formerly occupied by Gorham Manufacturing. Industrial processes were reportedly conducted at the site and included the manufacture of sterling and plated silverware, as well as bronze castings. The former plating and degreasing operations reportedly contributed to the presence of soil and groundwater impacted by chlorinated solvents across the property. Table 1 provides a list of contaminants of concern (COC) at the property, identified during historical site investigations of the site, reportedly due to the former Gorham Manufacturing operations.

Table 1: Contaminants of Concern

Soil	Groundwater
Tetrachloroethene	Tetrachloroethene
Trichloroethene	Trichloroethene
1,1,1-Trichloroethane	1,1,1-Trichloroethane
1,1-Dichloroethane	Vinyl Chloride
Benzo(a)anthracene	1,1-Dichloroethane
Benzo(a)pyrene	cis-1,2-Dichloroethene
Benzo(b)flouranthene	
Arsenic	
Lead	

The current primary environmental concern of the Alvarez High School parcel is the potential for contaminants from within the groundwater and/or soil volatilizing and "flowing" through cracks/seams of the concrete foundation and/or floor of the school and affecting indoor air. This process is commonly referred to as soil vapor intrusion.

Soil vapor intrusion is a common problem in contaminated sites, and the most common solution is the installation of a sub-slab depressurization (SSD) system, similar to what has been installed at the Site. The typical SSD system consists of one or more fans that are connected to a series of interconnected perforated pipes constructed beneath the school's concrete floor. These pipes are connected to vapor suction pits, which provide a means to draw vapor from the soils. The fan(s) then draw the vapor from these pits through the pipes and discharge the vapor above the roof of the building, diluting the vapor in ambient air. This process creates a negative pressure, or vacuum, beneath the school, and the vapor will follow the "path of least resistance," which is always through the SSD system, i.e., the vapor will not flow through the competent concrete foundation slab but will instead flow into the vacuum of the SSD system.

The SSD system has been in operation at the Alvarez High School continuously since 16 March 2007. EA has completed sampling of the sub-slab vapor, ambient outdoor air, and indoor air in accordance with the Order of Approval and subsequent amendments (Amended OA) for this Site since March 2007 (refer to the Alvarez High School Building Plan with Indoor Air Sampling locations in Attachment A). Indoor air and soil vapor samples have been collected on a monthly basis following the first three bi-weekly sampling events in March and April 2007. Analytical data summary tables for indoor air and subslab vapor are provided as Attachments B and C, respectively. Monitoring has included inspections of the rooftop fans to ensure proper operation. In addition, continuous electronic monitoring of each of the three SSD system fans has been, and continues to be, ongoing. The continuous operation of the SSD system and confirmation of sub-slab vacuum beneath the school, between -0.01 and -0.18 inches of water column, illustrates ongoing effective operation of the SSD system, and elimination of the soil vapor intrusion pathway at the Site.

With two years of data compiled for the Site, several types of detections and/or exceedances of the State of Connecticut's Draft Proposed Indoor Residential Targeted Air Concentrations (Order of Approval-required site criteria) have been identified. It is important to note that these standards are Draft/Proposed and have not been enacted due to the extremely low detection limits. Reportedly, laboratories do not have the means to confidently meet these low standards consistently, with some concentrations reported as "false-positives", as detailed below. The types of exceedances, with specific historical project examples, are summarized below.

- **Construction-related Compounds** – During the initial monitoring events, several compounds were detected in indoor air samples or sub-slab vapor samples. During the first 5 months of monitoring, two volatile organic compounds (VOCs), acetone and 2-butanone, were detected within samples collected from sub-slab vapor sampling points and were attributable to the use of PVC primer and solvent during construction of the SSD system and the monitoring points. The VOC concentrations originally detected

dissipated by August 2007, and have not been detected in the sub-slab system since that time. In addition, several VOCs (1,2-dichloroethane, 1,3,5-trimethylbenzene, and 1,2,4-trimethylbenzene) were detected during the initial monitoring events and are attributed to construction activities taking place at the time (i.e., building materials, off-gassing, construction worker cigarette smoke) and were detected intermittently in indoor air after the five-month period following system start-up, and are discussed below.

In the 20 September 2007 event, 1,2,4-trimethylbenzene was detected within indoor air in the gymnasium, but was not detected at comparable levels within the sub-slab, indicating the compound had originated from materials within the gymnasium, not soil vapor. In addition, chloroform and bromodichloromethane were detected in the initial indoor air samples. As concentrations were not replicated beyond the first month of sampling, it was concluded that the presence of chloroform and bromodichloromethane was attributable to the chlorination of the school's water supply. None of these contaminants were noted as site-specific COCs for the Site.

- **Background Ambient Air Compounds** – Carbon tetrachloride has been detected in the indoor air at the Site at concentrations exceeding the site criteria. However, carbon tetrachloride was also detected in the outdoor ambient air samples at analogous concentrations, even on days with wind speeds exceeding 10-15 miles per hour. Carbon tetrachloride is known to be a statewide and urban background compound detectable in trace concentrations. Based upon discussions and guidance provided by the Rhode Island Department of Health and RIDEM Office of Waste Management and Office of Air Resources, these carbon tetrachloride results do not constitute Indoor Air Action Level exceedances for the Site since they are consistent with documented background concentrations. Carbon tetrachloride is not included on the site-specific list of monitoring detected as it has been concluded that indoor concentrations are indicative of background levels.

- **Laboratory Contaminate Compound** – Methylene chloride was detected in outdoor ambient air samples (26 April 2007, 29 June 2007, and 20 August 2007) below the site criteria, but not within indoor air. Methylene chloride is not a COC for the Site and is an industry recognized common laboratory contaminant.

- With the exception of one VOC compound in one indoor sample collected on 22 March 2007 (trichloroethylene [TCE]) and also detected in ambient outdoor air at a greater concentration than the detected indoor air concentration, none of the VOC compounds of greatest potential concern to human health at this site, as identified by the Agency for Toxic Substances and Disease Registry in their December 2006 Health Consultation, were detected in any of the samples at concentrations greater than the applicable site criteria. TCE and tetrachloroethylene (PCE) have been detected in sub-slab sampling points several times but have not been detected within indoor air at levels exceeding the site criteria, indicating the SSD system is performing as designed.

During monitoring events at which COCs were detected within indoor ambient air, EA took immediate measures to determine the source of these contaminants. Examples of these events and the proactive steps to determine the sources of the exceedances are described below.

- During the 22 August and 22 September 2007 events, PCE and TCE were detected within sub-slab sampling/monitoring points. Although these compounds were detected at up to 8.37 and 31.9 microgram/cubic meters ($\mu g/m^3$), respectively, levels detected within indoor air were 1 $\mu g/m^3$ and 0.1 $\mu g/m^3$, respectively, well below the Site criteria. Therefore, these levels were not considered to be cause for concern, but rather indicated effective operation of the SSD system.

- PCE was detected within one indoor air sample on 25 January 2008 at a concentration (8.9 $\mu g/m^3$), exceeding the Indoor Air Action Level of 5.0 $\mu g/m^3$. Immediate arrangements were made to collect follow-up indoor air from the impacted room, sub-slab vapor from the corresponding sampling point, and an outdoor ambient air sample. Laboratory correspondence indicated that results may have been skewed high from a previously analyzed and unrelated sample collected from a different site with very high PCE concentrations ("false-positive"). This laboratory-related exceedance was confirmed through resampling, which indicated concentrations of PCE below the laboratory reporting limit in the subsequent indoor air, sub-slab vapor, and outdoor ambient air conducted on 28 January 2008.

- PCE and acetone were detected at levels exceeding the site criteria during the 27 March 2008 monitoring event. The SSD system was checked following the receipt of sample results on 9 April 2008 and was determined to be operational. However, EA was informed at the time of the April site visit that a new cleaning crew had been hired after the February 2008 monitoring event and had been routinely using two "new" aerosol cleaning products within the school. Both of these cleaning products--a steel polisher and a graffiti remover--were shown to contain these contaminants detected in indoor air. EA coordinated with the School Department's janitorial staff and the cleaning company to ensure no future use of the cleaning products in question.

- Four compounds were detected above the site criteria in one room during the 30 September 2008 sampling event. The compounds detected were 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, n-butylbenzene, and p-isopropyltoluene. Sub-slab vapor samples beneath the room in question did not indicate the presence of these compounds above laboratory method detection limits. The laboratory indicated that the relatively high molecular weights of these compounds may have contributed to cross-contamination from previous samples obtained by others at different sites and that the laboratory "consider the results for these four compounds to be suspect and recommend that they be stricken from the results" (false-positive). As the SSD system appeared to be in

continuous, effective working order at the time, it was concluded that the results were not significant.

- During the 27 October 2008 sampling event, 1,2-dichloroethane was detected within one indoor air sample at a concentration exceeding the site criteria (0.150 $\mu g/m^3$ compared to a criterion of 0.07 $\mu g/m^3$). Both sub-slab sampling locations closest to the room where this compound was detected (the cafeteria) did not contain 1,2-dichloroethane above the laboratory method detection limit. EA performed supplementary indoor air and sub-slab vapor sampling to determine whether the exceedance was significant on 12 November 2008. This follow-up sampling did not reveal the presence of 1,2-dichloroethane within the cafeteria or in the sub-slab directly beneath the cafeteria. Therefore, it is considered an anomalous detection.

- One compound, 1,2-dibromoethane, was detected within the indoor air sample collected in the gymnasium on 18 December 2008. It was detected at a level of 0.280 $\mu g/m^3$ as compared to the site criteria of 0.150 $\mu g/m^3$. This compound was not detected within any of the sub-slab vapor samples. Resampling of the gymnasium indoor air was conducted on 21 January 2009. Results did not detect the presence of 1,2-dibromoethane at levels above the laboratory method detection limits. Therefore, this was also considered an anomalous event.

- One compound, 1,1,1,2-tetrachloroethane, has been detected within samples collected from the cafeteria during the January and February 2009 sampling events (0.500 $\mu g/m^3$ and 0.320 $\mu g/m^3$, respectively, vs. criterion of 0.082 $\mu g/m^3$). EA is currently investigating the cause of these detections further, but is currently attributing these detections to either cleaning/buffing products utilized for the gymnasium floor or an anomalous event. The March 2009 sampling event, conducted on 26 March 2009, will assist in determining if this compound is persisting in indoor air.

Proposed Monitoring Modifications

During the two-year period between March 2007 and March 2009, 312 air and soil vapor samples have been collected and 14,664 sampling and monitoring data points have been evaluated. The comprehensive overall body of data collected to date clearly demonstrates that the SSD system operating at the site has eliminated the soil vapor intrusion pathway, and that neither soil vapor intrusion of VOCs into the school nor the accumulation of methane beneath or within the school is occurring. The reliability of the SSD system is evidenced by the fact that no SSD system malfunctions or equipment failures have occurred throughout the two years of SSD system operation. This high level of reliability and performance is expected to continue over time, and ongoing continuous monitoring of the SSD system via the existing alarm system will ensure that redundancies remain in place to ensure prompt notifications and responses to any interruptions in SSD system operation. Based on the overwhelming supporting data and SSD system effectiveness and reliability, continuation of the current monthly sampling/monitoring

frequency of site parameters is excessive, disproportionately costly to the City, and not necessary to demonstrate ongoing safety to building occupants.

The proposed amendments, in conjunction with all other elements of the Order of Approval and subsequent Amended OA, collectively comprise an Operations and Maintenance (O&M) Program that meets or exceeds all state guidance policies reviewed by EA regarding performing O&M at sites where SSD systems have been installed, and will therefore effectively provide the appropriate amount of data necessary to continue to demonstrate the high level of site safety with respect to potential soil vapor intrusion. The requested O&M Program amendments are presented below:

- Revise the sub-slab soil vapor sampling frequency to quarterly. Revise sub-slab sampling rotation to include four "MP" points and two "IMP" points each quarterly sampling event. This will allow each point to be sampled at least twice per year. A proposed sample point monitoring schedule is provided in Attachment D.

- Revise indoor air sampling frequency to quarterly. All areas currently sampled within the school will be sampled on a quarterly, rather than monthly, basis.

- Revise the current ambient outdoor air sampling frequency to quarterly to coincide with proposed indoor and sub-slab sampling frequencies.

No changes are proposed to the current annual schedule of rooftop fan effluent sampling; to the field inspection and monitoring currently performed on a monthly basis; to the continuous monitoring frequency for SSD system operation and indoor methane levels; to any of the quarterly summary reporting requirements; or to any of the Amended OA provisions regarding emergency response, document repository maintenance, and verbal/written RIDEM notifications. In order to address RIDEM's concern that a site criteria exceedence resultant from soil vapor intrusion may not automatically trigger a timely increase in sampling frequency, EA proposes to include language in the Amended Order that states:

- In the event that a site criteria exceedance demonstrated to be resultant from soil vapor intrusion occurs, then the City shall collect additional monthly samples from the indoor area exhibiting the exceedance and the corresponding closest sub-slab sampling location until such time that the exceeding VOC concentrations return to levels below the compound-specific site criteria for a period of three consecutive months.

- A "monthly comment letter" would be provided outlining the results of any additional monitoring conducted during the prior month.

EA would continue to provide exceedance notifications to RIDEM per the current Amended OA and to investigate the potential source of the exceeding compound.
As noted above, EA is not requesting an alteration of the following Amended OA requirements:

- Monthly monitoring of indoor air using a PID with part-per-billion sensitivity
- Monthly monitoring of subslab vapor sampling points to ensure adequate vacuum is present beneath foundation slab of building
- Monthly monitoring of roof-top fans to ensure proper operation
- Monthly monitoring of methane monitoring system to ensure proper operation
- Quarterly submittal of Operations and Maintenance Status Reports to detail the system's effectiveness

EA is confident this approach will satisfy all involved parties to ensure the well-being of the attendants of Alvarez High School, as well as providing some financial relief to the City. EA looks forward to your response on this matter and will continue monthly monitoring until a response to this request is received. If you have any questions or require additional information, please contact me at 401-736-3440, Ext. 202.

Sincerely,
EA ENGINEERING, SCIENCE,
AND TECHNOLOGY, INC.

Mark K. Speer, P.E.
Senior Engineer

MKS/rgm

Attachments:

Attachment A:	Alvarez High School Building Plans
Attachment B:	Indoor Air Sampling Data Summary Tables
Attachment C:	Subslab Vapor Sampling Data Summary Tables
Attachment D:	Proposed Sampling Schedule

cc: M. Dunham, Prov. Dept. of Public Schools
S. Rapport, City of Prov. Law Department
J. Fernandez, City of Prov. Law Department
J. Boehnert, Partridge, Snow, & Hahn
T. Slater, Representative
Knight Memorial Library Repository
S. Fischbach, RI Legal Services
A. Sepe, Prov. Dept. of Public Property
T. Deller, Prov. Redevelopment Agency
J. Ryan, Partridge, Snow, & Hahn
R. Dorr, Neighborhood Resident
J. Pichardo, Senator
G. Simpson, Textron
Principal Torchon, Adelaide High School

Appendix F

March 2009 Air Sampling Summary Letter (Abbreviated)

EA Engineering, Science, and Technology, Inc.

Airport Professional Park
2350 Post Road
Warwick, Rhode Island 02886
Telephone: 401-736-3440
Fax: 401-736-3423
www.eaest.com

27 April 2009

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

RE: March 2009 Air Sampling Event Comment Letter
Alvarez High School, 333 Adelaide Avenue, Providence, Rhode Island
Case No. 2005-029
EA Project No. 14613.01

Dear Mr. Martella:

On behalf of the City of Providence Department of Public Schools, EA Engineering, Science, and Technology, Inc. (EA) is providing this summary of data collected at the referenced Alvarez High School site (the Site) on 26 March 2009.

In accordance with the Order of Approval and amendments (Amended OA) for this Site, your office was notified via telephone that three compounds, 1,2-Dichloroethane, Trichloroethylene, and Methylene Chloride, were detected within several samples collected from the Alvarez High School at concentrations that exceed the State of Connecticut's Draft Proposed Indoor Residential Targeted Air Concentrations. The detections are detailed below:

- **1,2-Dichloroethane**
  - Standard: 0.07 $\mu g/m^3$
  - Gymnasium: 0.087 $\mu g/m^3$
  - Cafeteria: 0.084 $\mu g/m^3$

- **Trichloroethylene**
  - Standard: 1.00 $\mu g/m^3$
  - Gymnasium: 1.51 $\mu g/m^3$
  - Kitchen Storage Room: 4.00 $\mu g/m^3$
  - Room 145: 1.61 $\mu g/m^3$
  - Room 110: 1.18 $\mu g/m^3$
  - Ambient Outdoor Air: 6.87 $\mu g/m^3$

- **Methylene Chloride**
  - Standard: 3.0 $\mu g/m^3$
  - Gymnasium: 4.01 $\mu g/m^3$
  - Kitchen Storage Room: 7.54 $\mu g/m^3$
  - Room 145: 4.06 $\mu g/m^3$
  - Room 110: 3.23 $\mu g/m^3$
  - Ambient Outdoor Air: 11.6 $\mu g/m^3$

Upon receipt of this data, EA referenced monitoring field notes and analytical results of subslab vapor sampling, which was conducted concurrently with the indoor air sampling. Monitoring notes indicate the SSD System continues to operate effectively in accordance with design. Analytical results from subslab vapor sampling indicate that Trichloroethylene was detected at the subslab vapor points at concentrations ranging from 3.88 to 25.1 $\mu g/m^3$, methylene chloride was detected in the subslab at concentrations ranging from non-detectable concentrations to 16.1 $\mu g/m^3$, and 1,2-Dichloroethane was detected in the subslab at concentrations ranging from non-detectable concentrations to 0.133 $\mu g/m^3$.

Please note ambient air concentrations of Methylene Chloride and Trichloroethylene at concentrations greater than those detected within the indoor air samples collected from within the school. The high indoor air concentrations are most likely directly attributable to the ambient air concentrations, as the outside air is used to ventilate the school. EA has researched ambient air concentrations in the vicinity of the school as well as potential sources of the compounds and has not found a direct source. The ambient air sample was taken from an upwind location (south) on the day of sampling.

EA has also noted a correlation between the detection of Methylene Chloride and Trichloroethylene as these compounds were detected in the same samples. The highest concentrations of Methlyene Chloride and Trichloroethylene were both detected in the ambient air sample as well. Considering Methylene Chloride is not a site contaminant and is a common laboratory contaminant, EA has questioned the validity of the analytical results. However, the laboratory (Alpha Analytical Laboratory) insists the data is valid.

Our April sampling event is scheduled for 28 April, and will serve as our supplementary sampling event to confirm or disprove the presence of these compounds. The City will continue to perform monthly monitoring at the school.

No SSD system modifications or other actions to address current site conditions are warranted or proposed at this time. Your office will be notified if it is determined that this issue persists or if any other issues arise. If you have any questions or require additional information, please contact me at 401-736-3440, Ext. 202.

Sincerely,

EA ENGINEERING, SCIENCE,
AND TECHNOLOGY, INC.

Mark K. Speer, P.E.
Senior Engineer

MKS/rgm

Figures

Figure 1: Indoor Air Sampling and Methane Monitoring Plan
Figure 2: As-Built Subslab Monitoring and Sampling Locations Plan

Attachments
Attachment A: Indoor Air Analytical Report, 26 March 2009
Attachment B: Subslab Vapor Analytical Report, 26 March 2009

cc: M. Dunham, Prov. Dept. of Public Schools
S. Rapport, City of Prov. Law Department
J. Fernandez, City of Prov. Law Department
J. Boehnert, Partridge, Snow, & Hahn
T. Slater, Representative
Knight Memorial Library Repository
S. Fischbach, RI Legal Services
A. Sepe, Prov. Dept. of Public Property
T. Deller, Prov. Redevelopment Agency
J. Ryan, Partridge, Snow, & Hahn
R. Dorr, Neighborhood Resident
J. Pichardo, Senator
G. Simpson, Textron
Principal Torchon, Adelaide High School

Appendix G

April 2009 Air Sampling Summary Letter (Abbreviated)

EA Engineering, Science, and Technology, Inc.

Airport Professional Park
2350 Post Road
Warwick, Rhode Island 02886
Telephone: 401-736-3440
Fax: 401-736-3423
www.eaest.com

18 May 2009

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

RE: April 2009 Air Sampling Event Comment Letter
Alvarez High School, 333 Adelaide Avenue, Providence, Rhode Island
Case No. 2005-029
EA Project No. 14613.01

Dear Mr. Martella:

On behalf of the City of Providence Department of Public Schools, EA Engineering, Science, and Technology, Inc. (EA) is providing this summary of data collected at the referenced Alvarez High School site (the Site) on 29 April 2009.

In accordance with the Order of Approval and amendments (Amended OA) for this Site, your office was notified via telephone that one compound, 1,2-Dichloroethane, was detected within a sample collected from Room 118 (Figure 1) at a concentration that exceeds the State of Connecticut's Draft Proposed Indoor Residential Targeted Air Concentrations (0.089 $\mu g/m^3$ vs. criteria of 0.082 $\mu g/m^3$).

Upon receipt of this detection, EA reviewed monitoring field notes and analytical results of subslab vapor sampling, which was conducted concurrently with the indoor air sampling. Analytical results indicate that 1,2-Dichloroethane was detected in two samples collected from subslab vapor sampling points, MP-3 and IMP-3 (Figure 2) at concentrations of 0.319 and 0.089 $\mu g/m^3$, respectively.

1,2-Dichloroethane has historically been used in degreasing, paint removal, and carpet cleaning products. Room 118, which is the music classroom, is the only room with carpeting. Therefore, a carpet cleaning product may be the source of the detection, as well as a graffiti removal product. The compound is also used as a precursor in the production of PVC, which is the material the subslab sampling points are made from. This may also be a cause for the subslab detections. EA will conduct supplementary sampling this month during regular monthly sampling, unless the proposed quarterly sampling schedule is approved. If quarterly sampling is approved, EA will perform supplementary sampling as soon as possible. Monthly sampling is tentatively scheduled for 27 May 2009.

To summarize, 1,2-Dichloroethane was detected within Room 118 during April 2009 indoor air sampling conducted at the Alvarez High School. EA will perform monthly sampling on 27 May 2009 and will review the results and determine if the presence of this compound persists. However, according to our monitoring data, the SSD System continues to operate effectively in

accordance with design. Copies of the Analytical Reports for Indoor Air and Subslab Vapor sampling for April 2009 are provided in Attachments A and B, respectively.

No SSD system modifications or other actions to address current site conditions are warranted or proposed at this time. Your office will be notified if it is determined that this issue persists or if any other issues arise. If you have any questions or require additional information, please contact me at 401-736-3440, Ext. 202.

Sincerely,

EA ENGINEERING, SCIENCE,
AND TECHNOLOGY, INC.

Mark K. Speer, P.E.
Senior Engineer

MKS/rgm

Figures
Figure 1: Indoor Air Sampling and Methane Monitoring Plan
Figure 2: As-Built Subslab Monitoring and Sampling Locations Plan

Attachments
Attachment A: Indoor Air Analytical Report, 29 April 2009
Attachment B: Subslab Vapor Analytical Report, 29 April 2009

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