



EA Engineering, Science, and Technology, Inc.

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Warwick, Rhode Island 02886
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17 September 2007

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

RE: 22 August 2007 Air Sampling Event Summary Letter
Adelaide Avenue School, 333 Adelaide Avenue, Providence, Rhode Island
Case No. 2005-029
EA Project No. 61965.01

Dear Mr. Martella:

Per your request and on behalf of the Providence Department of Public Property (City), EA Engineering, Science, and Technology, Inc. (EA) is providing this letter to summarize air sampling data collected at the referenced Adelaide Avenue School site (the Site) on 22 August 2007. A narrative overview of the sampling results is provided below, and tables summarizing the pertinent data, figures illustrating the sampling locations, and copies of the laboratory analytical reports are attached for your reference (Attachment A). In accordance with the Order of Approval and amendments (Amended OA), a more detailed summary of this and upcoming sampling/monitoring events will be provided in future quarterly air monitoring summary reports for the Site.

Summary of 22 August 2007 Sampling Event

In accordance with the Amended OA, EA collected four sub-slab vapor samples, eight indoor air samples, and one ambient air sample at the Site on 22 August 2007, and submitted the samples to Alpha Woods Hole Labs (Mansfield, MA) for analysis of volatile organic compounds (VOCs) via Method TO-15. This was the seventh sampling round completed at the Site. Sub-slab vacuum measurements and indoor and sub-slab methane monitoring data were also collected on 22 August 2007.

The data collected on 22 August 2007 indicates that:

- There is no evidence that soil vapor intrusion into the newly constructed school is occurring.
- The continuous operation of the SSD system and confirmation of sub-slab vacuum beneath the school between -0.05 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.
- No sub-slab or indoor methane monitoring data exceeded the respective methane Action Levels.
- With the exception of Carbon Tetrachloride, known to be a statewide and ambient background compound for the Site, none of the VOC compounds analyzed for during this sampling round were detected in any of the 8 indoor air samples at concentrations greater than the respective Indoor Air Action Levels.
- Carbon Tetrachloride, a documented background ambient concentration at the Site and in urban communities, has consistently been detected in ambient outdoor air and inside the school during each of the previous sampling events at concentrations ranging between 0.36 to 0.79 ug/m³.



During this sampling event, the ambient outdoor concentration of Carbon Tetrachloride was 0.67 ug/m³, and concentrations within the school were similarly between 0.65 and 0.77 ug/m³. Based upon discussions and guidance provided by the Rhode Island Department of Health and RIDEM's Office of Waste Management and Office of Air Resources, these Carbon Tetrachloride results do not constitute an Indoor Air Action Level exceedence for the Site.

- During this sampling round, samples from two perimeter sub-slab sampling/monitoring points (MP-3 and MP-5) and two newly-installed, interior sub-slab sampling/monitoring points (IMP-1 and IMP-2) were collected and analyzed for VOCs. VOC results for the interior points are generally less than or approximately equal to the data collected from the perimeter sub-slab monitoring points. One exception is Trichloroethene detected in IMP-2 at 8.14 ug/m³. Referring to the sampling locations on the figures in Appendix A, IMP-2 is installed through the first floor slab of Room 152 in the east wing of the school. This compound was not detected (reporting limit of 0.11 ug/m³) in the air sample collected from within Room 152 during this sampling event, further validating that no soil vapor intrusion is occurring and that the SSD system is functioning according to design.

In conclusion, the 22 August 2007 sampling and monitoring data does not exceed any of the Indoor Air or Sub-slab Action Levels, and we continue to be encouraged by the results of the sampling and monitoring efforts completed thus far at the Site. The SSD System continues to operate according to design, and data collected to date confirms that the soil vapor intrusion pathway has been eliminated (i.e., no soil vapor intrusion is occurring). No SSD System modifications or other actions to address current site conditions are warranted or proposed at this time.

If you have any questions or require additional information, please contact me at 401-736-3440, Ext. 216.

Sincerely,

EA ENGINEERING, SCIENCE,
AND TECHNOLOGY, INC.

Peter M. Grivers, P.E., LSP
Project Manager

Attachments

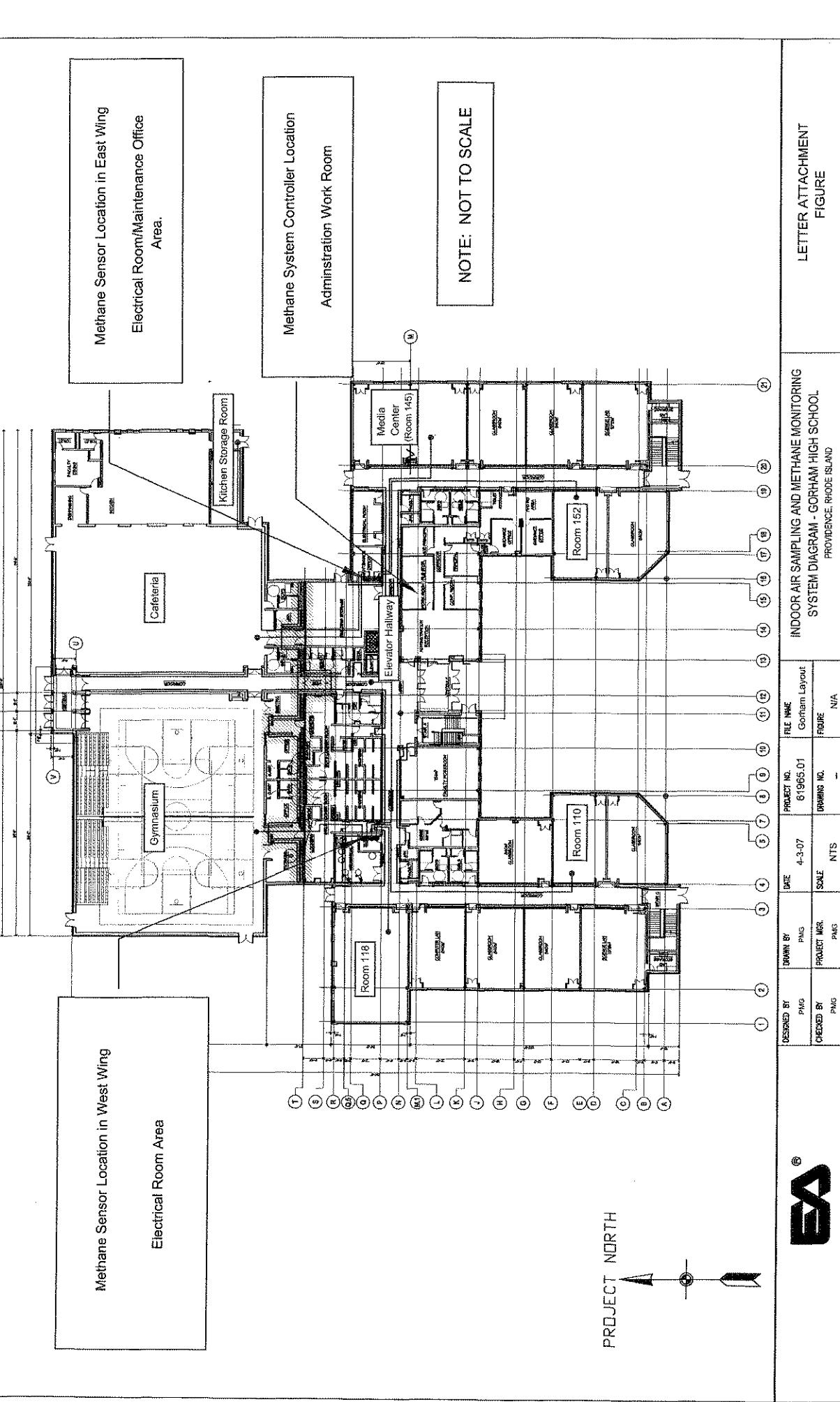
cc: J. Simmons, City of Prov.
J. Fernandez, City of Prov. Law Department
J. Boehnert, Partridge, Snow, & Hahn
T. Deller, Prov. Redevelopment Agency
J. Langlois, RIDEM Legal Services
K. Owens, RIDEM OWM
R. Dorr, Neighborhood Resident
Principal Torchon, Adelaide High School
J. Pichardo, Senator
M. Murphy, MacTec
Knight Memorial Library Repository

A. Sepe, Prov. Dept. of Public Property
S. Rapport, City of Prov. Law Department
J. Ryan, Partridge, Snow, & Hahn
T. Gray, RIDEM Bureau of Env. Protection
L. Hellested, RIDEM OWM
C. Walusiak, RIDEM OWM
S. Fischbach, RI Legal Services
T. Slater, Representative
D. Heislein, MacTec
G. Simpson, Textron

Attachment A

**Sampling Location Maps, Data Tables,
and Laboratory Reports – 22 August 2007**

**Indoor Air Sampling Locations, Data Summary
Table, and Laboratory Report**



Summary of Indoor Air Sampling Data - Adelaide Avenue School Project - Volatile Organic Compounds
Sampling Event - August 22, 2007

Volatile Organic Compounds via TO-15	CT Draft Proposed Indoor Residential Target	CT Existing Indoor Residential Target	NYSDOH Air Guideline Units	Kitchen Storage Room	Cafeteria	Gymnasium	Elevator/Hallway	Room 118	Room 110	Media Center (Rm. 145)	Room 152	Ambient Outdoor
Carbon tetrachloride ¹	0.5	1	None	1.73	0.74	0.77	0.74	0.74	0.74	0.65	0.71	0.75

* State of Connecticut Draft Proposed Indoor Residential Target Air Concentrations [Proposed Revisions to Connecticuts Remediation Standard Regulations Volatilization Criteria, CTDDEP, March 2005]; These concentrations have been established as Action Levels for indoor air in the RIDEM Order of Approval [June 2006 Amended February 2007] with the exception of several compounds (1,2-Dichloroethane, Bromochloromethane, 1,2-Dibromoethane, 1,1,1,2-Tetrachloroethane, and 1,1,2,2-Tetrachloroethane) where laboratory reporting limits can not achieve these concentrations.

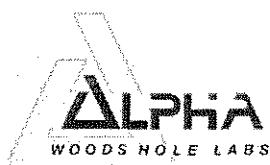
** State of Connecticut Existing Indoor Residential Target Air Concentrations [Remediation Standard Regulations, CTDDEP, 1985]. Please note, these concentrations are provided for comparative purposes only and are not Action Levels for the Adelaide Avenue School project. "None" indicates that no target air concentration has been established for this compound by CTDDEP.

*** New York State Department of Health (NYSDOH) air guideline concentrations [Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, NYSDOH, October 2006]. Please note, these concentrations are provided for comparative purposes only and are not Action Levels for the Adelaide Avenue School project. "None" indicates that no air guideline has been established for this compound by NYSDOH.

U: designation indicates that the compound was not detected by the laboratory. Reporting limit shown in the data column.

: gray shading indicates that the sample concentration for this compound exceeds the applicable Indoor Air Action Level.

t: Carbon Tetrachloride is a manufactured chemical used in aerosols, cleaning fluids, fire extinguishers, and degreasing agents. This compound is a worldwide and statewide background ambient air compound and the concentrations detected during this project are consistent with documented background concentrations, accordance with discussions and guidance from the RI Department of Health and RIDEM, this Carbon Tetrachloride data is not considered an Action Level exceedence for this Site.



ANALYTICAL REPORT

Lab Number:	L0712224
Client:	EA Engineering, Science and Tech 2350 Post Road Warwick, RI 02886
ATTN:	Peter Grivers
Project Name:	ADELAIDE H.S.
Project Number:	6196501
Report Date:	09/14/07

Certifications & Approvals: MA (M-MA030), NY (11627), CT (PH-0141), NH (2206), NJ (MA015), RI (LA000299), 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: ADELAIDE H.S.
Project Number: 6196501

Lab Number: L0712224
Report Date: 09/14/07

Alpha Sample ID	Client ID	Sample Location
L0712224-01	AMBIENT OUTDOOR	PROVIDENCE, RI
L0712224-02	GYM	PROVIDENCE, RI
L0712224-03	KITCHEN STORAGE	PROVIDENCE, RI
L0712224-04	CAFETERIA	PROVIDENCE, RI
L0712224-05	ELEVATOR HALLWAY	PROVIDENCE, RI
L0712224-06	ROOM 145	PROVIDENCE, RI
L0712224-07	ROOM 152	PROVIDENCE, RI
L0712224-08	ROOM 118	PROVIDENCE, RI
L0712224-09	ROOM 110	PROVIDENCE, RI

Project Name: ADELAIDE H.S.
Project Number: 6196501

Lab Number: L0712224
Report Date: 09/14/07

Case Narrative

The samples were received in accordance with the chain of custody and no significant deviations were encountered during preparation or analysis unless otherwise noted below.

Report Submission

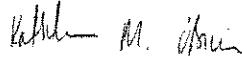
This report replaces the report issued Sept. 10, 2007. The MeCl conversion factor was incorrect, and the report is being amended with corrected ug/m³ results.

TO-15 SIM

The WG292919-2 LCS % recoveries for trans-1,2-Dichloroethene, Styrene, Toluene, and Methyl-tert-butyl-ether are below the individual acceptance criteria for the compounds, but within the overall method allowances.

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.

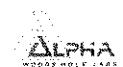
Authorized Signature:



Title: Technical Director/Representative

Date: 09/14/07

AIR



09140717:54

Project Name: ADELAIDE H.S.

Lab Number: L0712224

Project Number: 6196501

Report Date: 09/14/07

SAMPLE RESULTS

Lab ID:	L0712224-01	Date Collected:	08/22/07 13:53
Client ID:	AMBIENT OUTDOOR	Date Received:	08/23/07
Sample Location:	PROVIDENCE, RI	Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	09/06/07 01:27		
Analyst:	RY		

Parameter	ppbV		ug/m3		Dilution Factor
	Results	RDL	Results	RDL	
Volatile Organic Compounds in Air by SIM					
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	0.050	0.020	0.160	0.064	1
Bromodichloromethane	ND	0.020	ND	0.134	1
Bromoform	ND	0.020	ND	0.206	1
Carbon tetrachloride	0.107	0.020	0.673	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



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Project Name: ADELAIDE H.S.

Lab Number: L0712224

Project Number: 6196501

Report Date: 09/14/07

SAMPLE RESULTS

Lab ID:	L0712224-01	Date Collected:	08/22/07 13:53
Client ID:	AMBIENT OUTDOOR	Date Received:	08/23/07
Sample Location:	PROVIDENCE, RI	Field Prep:	Not Specified

Parameter	ppbV		ug/m3		Dilution Factor
	Results	RDL	Results	RDL	
Volatile Organic Compounds in Air by SIM					
Dichlorodifluoromethane	0.435	0.050	2.15	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	0.139	0.020	0.523	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	0.240	0.050	1.35	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	3.42	2.00	8.11	4.75	1
2-Butanone	ND	0.500	ND	1.47	1
4-Methyl-2-pentanone	ND	0.500	ND	2.05	1



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Project Name: ADELAIDE H.S.

Lab Number: L0712224

Project Number: 6196501

Report Date: 09/14/07

SAMPLE RESULTS

Lab ID:	L0712224-02	Date Collected:	08/22/07 10:33
Client ID:	GYM	Date Received:	08/23/07
Sample Location:	PROVIDENCE, RI	Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	09/06/07 02:45		
Analyst:	RY		

Parameter	ppbV		ug/m3		Dilution Factor
	Results	RDL	Results	RDL	
Volatile Organic Compounds in Air by SIM					
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	0.651	0.020	3.20	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	0.296	0.020	1.45	0.098	1
1,3-Dichlorobenzene	ND	0.020	ND	0.120	1
1,4-Dichlorobenzene	ND	0.020	ND	0.120	1
Benzene	0.055	0.020	0.176	0.064	1
Bromodichloromethane	ND	0.020	ND	0.134	1
Bromoform	ND	0.020	ND	0.206	1
Carbon tetrachloride	0.123	0.020	0.773	0.126	1
Chlorobenzene	ND	0.020	ND	0.092	1
Chloroethane	ND	0.020	ND	0.053	1
Chloroform	0.023	0.020	0.112	0.098	1
Chloromethane	0.508	0.500	2.48	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



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Project Name: ADELAIDE H.S.

Lab Number: L0712224

Project Number: 6196501

Report Date: 09/14/07

SAMPLE RESULTS

Lab ID:	L0712224-02	Date Collected:	08/22/07 10:33
Client ID:	GYM	Date Received:	08/23/07
Sample Location:	PROVIDENCE, RI	Field Prep:	Not Specified

Parameter	ppbV		ug/m3		Dilution Factor
	Results	RDL	Results	RDL	
Volatile Organic Compounds in Air by SIM					
Dichlorodifluoromethane	0.475	0.050	2.35	0.247	1
Ethylbenzene	0.275	0.020	1.19	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	1.23	0.040	5.32	0.174	1
o-Xylene	0.327	0.020	1.42	0.087	1
Styrene	ND	0.020	ND	0.085	1
Tetrachloroethene	ND	0.020	ND	0.136	1
Toluene	0.447	0.020	1.68	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	0.270	0.050	1.52	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	3.84	2.00	9.12	4.75	1
2-Butanone	ND	0.500	ND	1.47	1
4-Methyl-2-pentanone	ND	0.500	ND	2.05	1



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Project Name: ADELAIDE H.S.

Lab Number: L0712224

Project Number: 6196501

Report Date: 09/14/07

SAMPLE RESULTS

Lab ID:	L0712224-03	Date Collected:	08/22/07 10:45
Client ID:	KITCHEN STORAGE	Date Received:	08/23/07
Sample Location:	PROVIDENCE, RI	Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	09/06/07 03:23		
Analyst:	RY		

Parameter	ppbV		ug/m3		Dilution Factor
	Results	RDL	Results	RDL	
Volatile Organic Compounds in Air by SIM					
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	0.733	0.020	3.60	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	0.436	0.020	2.14	0.098	1
1,3-Dichlorobenzene	ND	0.020	ND	0.120	1
1,4-Dichlorobenzene	ND	0.020	ND	0.120	1
Benzene	0.086	0.020	0.274	0.064	1
Bromodichloromethane	ND	0.020	ND	0.134	1
Bromoform	ND	0.020	ND	0.206	1
Carbon tetrachloride	0.116	0.020	0.729	0.126	1
Chlorobenzene	ND	0.020	ND	0.092	1
Chloroethane	ND	0.020	ND	0.053	1
Chloroform	0.024	0.020	0.117	0.098	1
Chloromethane	0.862	0.500	4.20	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



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Project Name: ADELAIDE H.S.

Lab Number: L0712224

Project Number: 6196501

Report Date: 09/14/07

SAMPLE RESULTS

Lab ID:	L0712224-03	Date Collected:	08/22/07 10:45
Client ID:	KITCHEN STORAGE	Date Received:	08/23/07
Sample Location:	PROVIDENCE, RI	Field Prep:	Not Specified

Parameter	ppbV		ug/m3		Dilution Factor
	Results	RDL	Results	RDL	
Volatile Organic Compounds in Air by SIM					
Dichlorodifluoromethane	0.479	0.050	2.37	0.247	1
Ethylbenzene	0.108	0.020	0.468	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	0.361	0.040	1.57	0.174	1
o-Xylene	0.167	0.020	0.724	0.087	1
Styrene	0.710	0.020	3.02	0.085	1
Tetrachloroethene	ND	0.020	ND	0.136	1
Toluene	0.394	0.020	1.48	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	0.263	0.050	1.48	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	11.3	2.00	26.8	4.75	1
2-Butanone	ND	0.500	ND	1.47	1
4-Methyl-2-pentanone	ND	0.500	ND	2.05	1



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Project Name: ADELAIDE H.S.

Lab Number: L0712224

Project Number: 6196501

Report Date: 09/14/07

SAMPLE RESULTS

Lab ID:	L0712224-04	Date Collected:	08/22/07 11:10
Client ID:	CAFETERIA	Date Received:	08/23/07
Sample Location:	PROVIDENCE, RI	Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	09/06/07 04:02		
Analyst:	RY		

Parameter	ppbV		ug/m3		Dilution Factor
	Results	RDL	Results	RDL	
Volatile Organic Compounds in Air by SIM					
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	0.350	0.020	1.72	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	0.180	0.020	0.884	0.098	1
1,3-Dichlorobenzene	ND	0.020	ND	0.120	1
1,4-Dichlorobenzene	ND	0.020	ND	0.120	1
Benzene	0.078	0.020	0.249	0.064	1
Bromodichloromethane	ND	0.020	ND	0.134	1
Bromoform	ND	0.020	ND	0.206	1
Carbon tetrachloride	0.118	0.020	0.742	0.126	1
Chlorobenzene	ND	0.020	ND	0.092	1
Chloroethane	ND	0.020	ND	0.053	1
Chloroform	0.022	0.020	0.107	0.098	1
Chloromethane	0.612	0.500	2.98	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



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Project Name: ADELAIDE H.S.

Lab Number: L0712224

Project Number: 6196501

Report Date: 09/14/07

SAMPLE RESULTS

Lab ID:	L0712224-04	Date Collected:	08/22/07 11:10
Client ID:	CAFETERIA	Date Received:	08/23/07
Sample Location:	PROVIDENCE, RI	Field Prep:	Not Specified

Parameter	ppbV		ug/m3		Dilution Factor
	Results	RDL	Results	RDL	
Volatile Organic Compounds in Air by SIM					
Dichlorodifluoromethane	0.479	0.050	2.37	0.247	1
Ethylbenzene	0.094	0.020	0.408	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	0.299	0.040	1.30	0.174	1
o-Xylene	0.108	0.020	0.468	0.087	1
Styrene	0.024	0.020	0.102	0.085	1
Tetrachloroethene	ND	0.020	ND	0.136	1
Toluene	0.343	0.020	1.29	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	0.264	0.050	1.48	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	16.9	2.00	40.0	4.75	1
2-Butanone	ND	0.500	ND	1.47	1
4-Methyl-2-pentanone	ND	0.500	ND	2.05	1



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Project Name: ADELAIDE H.S.

Lab Number: L0712224

Project Number: 6196501

Report Date: 09/14/07

SAMPLE RESULTS

Lab ID:	L0712224-05	Date Collected:	08/22/07 11:22
Client ID:	ELEVATOR HALLWAY	Date Received:	08/23/07
Sample Location:	PROVIDENCE, RI	Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	09/06/07 04:41		
Analyst:	RY		

Parameter	ppbV		ug/m3		Dilution Factor
	Results	RDL	Results	RDL	
Volatile Organic Compounds in Air by SIM					
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	0.623	0.020	3.06	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	0.322	0.020	1.58	0.098	1
1,3-Dichlorobenzene	ND	0.020	ND	0.120	1
1,4-Dichlorobenzene	ND	0.020	ND	0.120	1
Benzene	0.081	0.020	0.258	0.064	1
Bromodichloromethane	ND	0.020	ND	0.134	1
Bromoform	ND	0.020	ND	0.206	1
Carbon tetrachloride	0.117	0.020	0.735	0.126	1
Chlorobenzene	ND	0.020	ND	0.092	1
Chloroethane	ND	0.020	ND	0.053	1
Chloroform	0.023	0.020	0.112	0.098	1
Chloromethane	0.596	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



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Project Name: ADELAIDE H.S.

Lab Number: L0712224

Project Number: 6196501

Report Date: 09/14/07

SAMPLE RESULTS

Lab ID:	L0712224-05	Date Collected:	08/22/07 11:22
Client ID:	ELEVATOR HALLWAY	Date Received:	08/23/07
Sample Location:	PROVIDENCE, RI	Field Prep:	Not Specified

Parameter	ppbV		ug/m3		Dilution Factor
	Results	RDL	Results	RDL	
Volatile Organic Compounds in Air by SIM					
Dichlorodifluoromethane	0.471	0.050	2.33	0.247	1
Ethylbenzene	0.184	0.020	0.798	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	0.723	0.040	3.14	0.174	1
o-Xylene	0.229	0.020	0.994	0.087	1
Styrene	0.054	0.020	0.230	0.085	1
Tetrachloroethene	0.032	0.020	0.217	0.136	1
Toluene	0.469	0.020	1.77	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	6.15	2.00	14.6	4.75	1
2-Butanone	ND	0.500	ND	1.47	1
4-Methyl-2-pentanone	ND	0.500	ND	2.05	1

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Project Name: ADELAIDE H.S.

Lab Number: L0712224

Project Number: 6196501

Report Date: 09/14/07

SAMPLE RESULTS

Lab ID:	L0712224-06	Date Collected:	08/22/07 11:45
Client ID:	ROOM 145	Date Received:	08/23/07
Sample Location:	PROVIDENCE, RI	Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	09/06/07 05:20		
Analyst:	RY		

Parameter	ppbV		ug/m3		Dilution Factor
	Results	RDL	Results	RDL	
Volatile Organic Compounds in Air by SIM					
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	0.027	0.020	0.133	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	0.084	0.020	0.268	0.064	1
Bromodichloromethane	ND	0.020	ND	0.134	1
Bromoform	ND	0.020	ND	0.206	1
Carbon tetrachloride	0.113	0.020	0.710	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



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Project Name: ADELAIDE H.S.

Lab Number: L0712224

Project Number: 6196501

Report Date: 09/14/07

SAMPLE RESULTS

Lab ID:	L0712224-06	Date Collected:	08/22/07 11:45
Client ID:	ROOM 145	Date Received:	08/23/07
Sample Location:	PROVIDENCE, RI	Field Prep:	Not Specified

Parameter	ppbV		ug/m3		Dilution Factor
	Results	RDL	Results	RDL	
Volatile Organic Compounds in Air by SIM					
Dichlorodifluoromethane	0.487	0.050	2.41	0.247	1
Ethylbenzene	0.033	0.020	0.143	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	0.083	0.040	0.360	0.174	1
o-Xylene	0.029	0.020	0.126	0.087	1
Styrene	ND	0.020	ND	0.085	1
Tetrachloroethene	0.026	0.020	0.176	0.136	1
Toluene	0.427	0.020	1.61	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	0.257	0.050	1.44	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	9.81	2.00	23.3	4.75	1
2-Butanone	ND	0.500	ND	1.47	1
4-Methyl-2-pentanone	ND	0.500	ND	2.05	1

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Project Name: ADELAIDE H.S.

Lab Number: L0712224

Project Number: 6196501

Report Date: 09/14/07

SAMPLE RESULTS

Lab ID:	L0712224-07	Date Collected:	08/22/07 11:48
Client ID:	ROOM 152	Date Received:	08/23/07
Sample Location:	PROVIDENCE, RI	Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	09/06/07 05:59		
Analyst:	RY		

Parameter	ppbV		ug/m3		Dilution Factor
	Results	RDL	Results	RDL	
Volatile Organic Compounds in Air by SIM					
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	0.032	0.020	0.157	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	0.020	0.020	0.098	0.098	1
1,3-Dichlorobenzene	ND	0.020	ND	0.120	1
1,4-Dichlorobenzene	ND	0.020	ND	0.120	1
Benzene	0.079	0.020	0.252	0.064	1
Bromodichloromethane	ND	0.020	ND	0.134	1
Bromoform	ND	0.020	ND	0.206	1
Carbon tetrachloride	0.120	0.020	0.754	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	0.505	0.500	2.46	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



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Project Name: ADELAIDE H.S.

Lab Number: L0712224

Project Number: 6196501

Report Date: 09/14/07

SAMPLE RESULTS

Lab ID:	L0712224-07	Date Collected:	08/22/07 11:48
Client ID:	ROOM 152	Date Received:	08/23/07
Sample Location:	PROVIDENCE, RI	Field Prep:	Not Specified

Parameter	ppbV		ug/m3		Dilution Factor
	Results	RDL	Results	RDL	
Volatile Organic Compounds in Air by SIM					
Dichlorodifluoromethane	0.472	0.050	2.33	0.247	1
Ethylbenzene	0.025	0.020	0.108	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	0.066	0.040	0.286	0.174	1
o-Xylene	0.021	0.020	0.091	0.087	1
Styrene	ND	0.020	ND	0.085	1
Tetrachloroethene	0.027	0.020	0.183	0.136	1
Toluene	0.258	0.020	0.971	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	0.263	0.050	1.48	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	4.74	2.00	11.2	4.75	1
2-Butanone	ND	0.500	ND	1.47	1
4-Methyl-2-pentanone	ND	0.500	ND	2.05	1

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Project Name: ADELAIDE H.S.

Lab Number: L0712224

Project Number: 6196501

Report Date: 09/14/07

SAMPLE RESULTS

Lab ID:	L0712224-08	Date Collected:	08/22/07 12:28
Client ID:	ROOM 118	Date Received:	08/23/07
Sample Location:	PROVIDENCE, RI	Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	09/06/07 06:38		
Analyst:	RY		

Parameter	ppbV		ug/m3		Dilution Factor
	Results	RDL	Results	RDL	
Volatile Organic Compounds in Air by SIM					
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	0.066	0.020	0.324	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	0.034	0.020	0.167	0.098	1
1,3-Dichlorobenzene	ND	0.020	ND	0.120	1
1,4-Dichlorobenzene	ND	0.020	ND	0.120	1
Benzene	0.055	0.020	0.176	0.064	1
Bromodichloromethane	ND	0.020	ND	0.134	1
Bromoform	ND	0.020	ND	0.206	1
Carbon tetrachloride	0.117	0.020	0.735	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	0.565	0.500	2.76	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



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Project Name: ADELAIDE H.S.

Lab Number: L0712224

Project Number: 6196501

Report Date: 09/14/07

SAMPLE RESULTS

Lab ID:	L0712224-08	Date Collected:	08/22/07 12:28
Client ID:	ROOM 118	Date Received:	08/23/07
Sample Location:	PROVIDENCE, RI	Field Prep:	Not Specified

Parameter	ppbV		ug/m3		Dilution Factor
	Results	RDL	Results	RDL	
Volatile Organic Compounds in Air by SIM					
Dichlorodifluoromethane	0.459	0.050	2.27	0.247	1
Ethylbenzene	0.030	0.020	0.130	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	0.084	0.040	0.364	0.174	1
o-Xylene	0.029	0.020	0.126	0.087	1
Styrene	ND	0.020	ND	0.085	1
Tetrachloroethene	ND	0.020	ND	0.136	1
Toluene	0.246	0.020	0.926	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	0.263	0.050	1.48	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	7.41	2.00	17.6	4.75	1
2-Butanone	ND	0.500	ND	1.47	1
4-Methyl-2-pentanone	ND	0.500	ND	2.05	1



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Project Name: ADELAIDE H.S.

Lab Number: L0712224

Project Number: 6196501

Report Date: 09/14/07

SAMPLE RESULTS

Lab ID: L0712224-09 Date Collected: 08/22/07 12:30
 Client ID: ROOM 110 Date Received: 08/23/07
 Sample Location: PROVIDENCE, RI Field Prep: Not Specified
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/06/07 11:49
 Analyst: RY

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
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	0.028	0.020	0.089	0.064		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	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



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Project Name: ADELAIDE H.S.

Lab Number: L0712224

Project Number: 6196501

Report Date: 09/14/07

SAMPLE RESULTS

Lab ID:	L0712224-09	Date Collected:	08/22/07 12:30
Client ID:	ROOM 110	Date Received:	08/23/07
Sample Location:	PROVIDENCE, RI	Field Prep:	Not Specified

Parameter	ppbV		ug/m3		Dilution Factor
	Results	RDL	Results	RDL	
Volatile Organic Compounds in Air by SIM					
Dichlorodifluoromethane	0.472	0.050	2.33	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	0.141	0.020	0.531	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	0.255	0.050	1.43	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	2.24	2.00	5.31	4.75	1
2-Butanone	ND	0.500	ND	1.47	1
4-Methyl-2-pentanone	ND	0.500	ND	2.05	1



09140717:54

Project Name: ADELAIDE H.S.

Lab Number: L0712224

Project Number: 6196501

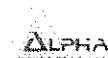
Report Date: 09/14/07

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 09/05/07 20:22

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM for sample(s): 01-09 Batch: WG292919-3						
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	0.020	ND	0.064		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



09140717:54

Project Name: ADELAIDE H.S.

Lab Number: L0712224

Project Number: 6196501

Report Date: 09/14/07

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 09/05/07 20:22

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM for sample(s): 01-09 Batch: WG292919-3						
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: ADELAIDE H.S.
Project Number: 6196501

Lab Number: L0712224
Report Date: 09/14/07

Parameter	LCS % Recovery	LCSD % Recovery	% Recovery Limits	RPD	RPD Limits
Volatile Organic Compounds in Air by SIM Associated sample(s): 01-09 Batch: WG292919-2					
1,1,1-Trichloroethane	107	-	-	70-130	-
1,1,1,2-Tetrachloroethane	87	-	-	70-130	-
1,1,2,2-Tetrachloroethane	88	-	-	70-130	-
1,1,2-Trichloroethane	89	-	-	70-130	-
1,1-Dichloroethane	76	-	-	70-130	-
1,1-Dichloroethene	73	-	-	70-130	-
1,2,4-Trimethylbenzene	91	-	-	70-130	-
1,2-Dibromoethane	75	-	-	70-130	-
1,2-Dichlorobenzene	89	-	-	70-130	-
1,2-Dichloroethane	77	-	-	70-130	-
1,2-Dichloropropane	89	-	-	70-130	-
1,3,5-Trimethylbenzene	85	-	-	70-130	-
1,3-Butadiene	81	-	-	70-130	-
1,3-Dichlorobenzene	85	-	-	70-130	-
1,4-Dichlorobenzene	83	-	-	70-130	-
Benzene	74	-	-	70-130	-
Bromodichloromethane	104	-	-	70-130	-
Bromoform	103	-	-	70-130	-
Bromomethane	85	-	-	70-130	-
Carbon tetrachloride	108	-	-	70-130	-
Chlorobenzene	70	-	-	70-130	-

Lab Control Sample Analysis
Batch Quality Control

Project Name: ADELAIDE H.S.
Project Number: 6196501

Lab Number: L0712224
Report Date: 09/14/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organic Compounds in Air by SLM Associated sample(s): 01-09 Batch: WG292919-2					
Chloroethane	83	-	70-130	-	-
Chloroform	86	-	70-130	-	-
Chlormethane	87	-	70-130	-	-
cis-1,2-Dichloroethene	70	-	70-130	-	-
cis-1,3-Dichloropropene	83	-	70-130	-	-
Dibromochloromethane	91	-	70-130	-	-
Dichlorodifluoromethane	101	-	70-130	-	-
Ethylbenzene	70	-	70-130	-	-
1,1,2-Trichloro-1,2,2-T trifluoroethane	76	-	70-130	-	-
1,2-Dichloro-1,1,2,2-tetrafluoroethane	88	-	70-130	-	-
Methylene chloride	84	-	70-130	-	-
Methyl tert butyl ether	64	-	70-130	-	-
Naphthalene	102	-	70-130	-	-
p/m-Xylene	77	-	70-130	-	-
o-Xylene	80	-	70-130	-	-
Styrene	66	-	70-130	-	-
Tetrachloroethene	70	-	70-130	-	-
Toluene	67	-	70-130	-	-
trans-1,2-Dichloroethene	68	-	70-130	-	-
trans-1,3-Dichloropropene	77	-	70-130	-	-
Trichloroethylene	88	-	70-130	-	-

Lab Control Sample Analysis
Batch Quality Control

Project Name: ADELAIDE H.S.
Project Number: 6196501

Lab Number: L0712224
Report Date: 09/14/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organic Compounds in Air by SIM Associated sample(s): 01-09 Batch: WG292919-2					
Trichlorofluoromethane	95	-	-	70-130	-
Vinyl chloride	86	-	-	70-130	-
Acrylonitrile	105	-	-	70-130	-
n-Butylbenzene	96	-	-	70-130	-
sec-Butylbenzene	87	-	-	70-130	-
Isopropylbenzene	81	-	-	70-130	-
p-isopropyltoluene	82	-	-	70-130	-
Acetone	97	-	-	70-130	-
2-Butanone	92	-	-	70-130	-
4-Methyl-2-pentanone	122	-	-	70-130	-

Project Name: ADELAIDE H.S.
 Project Number: 6196501

Lab Duplicate Analysis Batch Quality Control

Lab Number: L0712224
 Report Date: 09/14/07

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organic Compounds in Air by SIM Associated sample(s): 01-09 QC Batch ID: WG292919-4 QC Sample: L0712224-01 Client ID: AMBIENT OUTDOOR					
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-Dichloroethylene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC	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-Dibromopropane	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	ND	ND	ppbV	NC	25
Benzene	0.050	0.055	ppbV	10	25
Bromodichloromethane	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Carbon tetrachloride	0.107	0.120	ppbV	11	25
Chlorobenzene	ND	ND	ppbV	NC	25

Project Name: ADELAIDE H.S.
 Project Number: 6196501

Lab Duplicate Analysis Batch Quality Control

Lab Number: L0712224
 Report Date: 09/14/07

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organic Compounds in Air by SIM Associated sample(s): 01-09 QC Batch ID: WG292919-4 QC Sample: L0712224-01 Client ID: AMBIENT OUTDOOR					
Chloroethane	ND	ND	ppbV	NC	25
Chloroform	ND	ND	ppbV	NC	25
Chlormethane	ND	ND	ppbV	NC	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Dibromochromomethane	ND	ND	ppbV	NC	25
Dichlorodifluoromethane	0.435	0.455	ppbV	4	25
Ethylbenzene	ND	ND	ppbV	NC	25
Methylene chloride	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
p/m-Xylene	ND	ND	ppbV	NC	25
o-Xylene	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
Tetrachloroethene	ND	ND	ppbV	NC	25
Toluene	0.139	0.161	ppbV	15	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	0.240	0.255	ppbV	6	25

Project Name: ADELAIDE H.S.
 Project Number: 6196501

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L0712224
 Report Date: 09/14/07

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organic Compounds in Air by SIM Associated sample(s): 01-09 QC Batch ID: WG292919-4 Client ID: AMBIENT OUTDOOR					
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	3.42	3.70	ppbV	8	25
2-Butanone	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25

Project Name: ADELAIDE H.S.
Project Number: 6196501

Lab Number: L0712224
Report Date: 09/14/07

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0712224-01A	Canister - 2.7 Liter	NA	NA	NA	NA	Absent	TO15-SIM
L0712224-02A	Canister - 2.7 Liter	NA	NA	NA	NA	Absent	TO15-SIM
L0712224-03A	Canister - 2.7 Liter	NA	NA	NA	NA	Absent	TO15-SIM
L0712224-04A	Canister - 2.7 Liter	NA	NA	NA	NA	Absent	TO15-SIM
L0712224-05A	Canister - 2.7 Liter	NA	NA	NA	NA	Absent	TO15-SIM
L0712224-06A	Canister - 2.7 Liter	NA	NA	NA	NA	Absent	TO15-SIM
L0712224-07A	Canister - 2.7 Liter	NA	NA	NA	NA	Absent	TO15-SIM
L0712224-08A	Canister - 2.7 Liter	NA	NA	NA	NA	Absent	TO15-SIM
L0712224-09A	Canister - 2.7 Liter	NA	NA	NA	NA	Absent	TO15-SIM

Project Name: ADELAIDE H.S.

Lab Number: L0712224

Project Number: 6196501

Report Date: 09/14/07

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.
- NI - Not Ignitable.
- 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.
- 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 following data qualifiers have been identified for use under the CT DEP Reasonable Confidence Protocols.

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.

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

J - Estimated value. The analyte was tentatively identified; the quantitation is an estimation. (Tentatively identified compounds only.)

Standard Qualifiers

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

Project Name: ADELAIDE H.S.
Project Number: 6196501

Lab Number: L0712224
Report Date: 09/14/07

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 Woods Hole Labs 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 its own expense. In no event shall Alpha Woods Hole Labs 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.



AIR ANALYSIS

CHAIN OF CUSTODY

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

EA Engineering Sci. & Tech.
Address: 2350 Post Rd.
Warwick, RI

Project Information

Project Name: Adelaidia H. S.

Project Location: Providence, RI
Project #: 6196501

Project Manager: Peter Grivers
ALPHA Quote #:

Phone: Turn Around Time
 Standard RUSH (only confirmed if pre-approved)
4 days To 8-10 days

Date Due: 9/7 Time:

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Date Rec'd in Lab:

ALPHA Job #: L-0712224

Report Information - Data Deliverables

<input type="checkbox"/> FAX	<input type="checkbox"/> ADEX
<input type="checkbox"/> Criteria Checked	<input type="checkbox"/> Client / Project Specific (Default based on Regulatory Criteria indicated)
Other Formats:	
<input type="checkbox"/> EMAIL (standard pdf report)	
<input type="checkbox"/> Additional Deliverables:	
Report to: (if different than Project Manager)	

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Sample Matrix	Sampler's Initials	ID Can	ID-Flow Controller	Sample Comments (i.e. PID)	
									PID = 0.04 ppm	PID = 0.10 ppm
12224-1	Ambient Outdoor	8-22-07	13:20	13:53	A	PMA	451	0309		
2	Gym	10:00	10:33				456	0151	PID = 0.10 ppm	
3	Kitchen Storage	10:15	10:45				190	0217	PID = 0.07 ppm	
4	Cafeteria	11:40	11:40				460	0418	PID = 0.07 ppm	
5	Elevator Hallway	10:55	11:22				477	0322	PID = 0.40 ppm	
6	Room 145	11:15	11:45				424	0331	PID = 0.02 ppm	
7	Room 152	11:48					370	0330	PID = 0.05 ppm	
8	Room 118	11:55	12:28				495	0154	PID = 0.07 ppm	
9	Room 110		12:00	12:30			395	0314	PID = 0.01 ppm	

Shaded Gray Areas For Lab Use Only

Container Type CS

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 Payment Terms. See reverse side.

Relinquished By: *Jeffrey Bishop* Date/Time: *7/23/07 13:05*
Received By: *Jeffrey Bishop* Date/Time: *7/23/07 13:05*

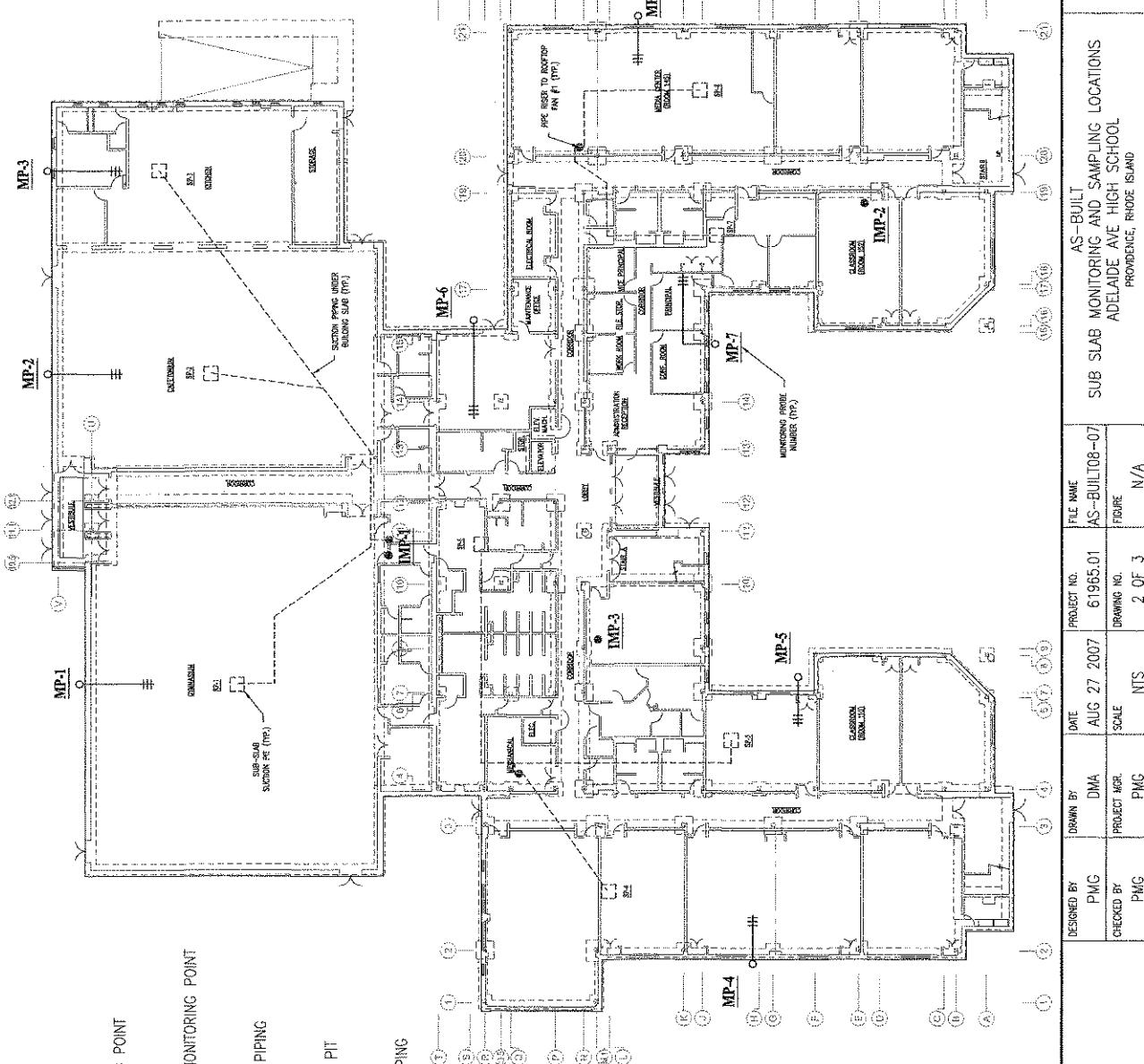
**Sub-Slab Sampling Locations, Data Summary
Table, and Laboratory Report**

LEGEND:**MP-1** SUB-SLAB MONITORING POINT**IMP-1** INTERIOR SUB-SLAB MONITORING POINT

SLOTTED 1 INCH PVC PIPING

SSD SYSTEM SUCTION PIT

SOLID 4 INCH PVC PIPING



AS-BUILT
SUB-SLAB MONITORING LOCATIONS
ADELAIDE AVE. HIGH SCHOOL
PROVIDENCE, RHODE ISLAND

REMEDIAL CLOSURE REPORT
AS-BUILT SUB-SLAB
MONITORING AND SAMPLING PLAN

DESIGNED BY	DRAWN BY	DATE	FILE NAME
PMG	DMA	AUG 27 2007	AS-BUIL108-07
CHECKED BY	PROJECT MGR.	SCALE	DRAWING NO.
PMG	PMC	NTS	2 OF 3 N/A

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

Volatile Organic Compounds via TO15	Sample Date	NP-1	NP-2	NP-3	NP-4	NP-5	NP-6	NP-7	NP-8	NP-9	NP-10	NP-11	NP-12	NP-13
1,1,1,2,2,3,3,4,4,4,4-Tetradecafluorobutane	15-Aug-07	620	U	590	U	550	U	520	U	240	U	91	U	NS
	22-Mar-07	85.7	U	85.7	U	85.7	U	85.7	U	89.7	U	85.7	U	NS
	26-Apr-07	34.3	U	34.3	U	NS								
	21-May-07	62.4	U	34.3	U	34.3	U	62.4	U	34.3	U	34.3	U	NS
	26-Jun-07	0.69	U	0.69	U	0.69	U	0.69	U	1.4	U	1.4	U	NS
	20-Jul-07	0.89	U	NS	NS	1.37	U	NS	NS	3.4	U	NS	U	NS
1,1,1,2,2,3,3,4,4,4,4-Dodecafluorobutane	22-Aug-07	NS	U	590	U	590	U	600	U	240	U	91	U	NS
	22-Mar-07	65.7	U	85.7	U	85.7	U	85.7	U	85.7	U	85.7	U	NS
	26-Apr-07	34.3	U	34.3	U	34.3	U	60.4	U	34.3	U	34.3	U	NS
	21-May-07	62.4	U	34.3	U	34.3	U	0.69	U	0.69	U	0.69	U	NS
	26-Jun-07	0.69	U	NS	NS	1.37	U	1.4	U	NS	NS	NS	U	NS
	30-Jul-07	0.89	U	NS	NS	1.37	U	NS	NS	0.89	U	3.4	U	NS
1,1,2,2,3-Tetrafluoropentane	22-Aug-07	NS	U	470	U	470	U	460	U	190	U	72	U	230
	22-Mar-07	68.1	U	68.1	U	NS								
	26-Apr-07	27.2	U	27.2	U	NS								
	21-May-07	36.8	U	27.2	U	27.2	U	48.0	U	27.2	U	27.2	U	NS
	26-Jun-07	0.35	U	0.35	U	0.35	U	0.56	U	0.56	U	1.1	U	0.56
	30-Jul-07	0.46	U	NS	NS	1.10	U	NS	NS	0.85	U	2.7	U	NS
	22-Aug-07	NS	U	340	U	340	U	350	U	340	U	140	U	NS
1,1-Dichloroethane	15-Aug-07	300	U	49.5	U	49.5	U	49.5	U	49.5	U	49.5	U	150
	22-Aug-07	49.5	U	19.8	U	19.8	U	19.8	U	19.8	U	19.8	U	NS
	26-Apr-07	19.6	U	19.8	U	19.6	U	19.6	U	19.8	U	19.8	U	NS
	21-May-07	36.0	U	18.8	U	19.6	U	35.6	U	19.8	U	19.8	U	NS
	26-Jun-07	0.4	U	0.4	U	NS								
	30-Jul-07	0.4	U	NS	NS	0.19	U	NS	NS	0.19	U	2	U	NS
	22-Aug-07	NS	U	420	U	420	U	420	U	170	U	65	U	180
1,1,2,2-Tetramethylbutane	15-Aug-07	440	U	61.4	U	61.4	U	61.4	U	61.4	U	61.4	U	NS
	22-Aug-07	61.4	U	24.6	U	24.6	U	24.6	U	24.6	U	24.6	U	NS
	26-Apr-07	24.6	U	24.6	U	NS								
	21-May-07	44.7	U	24.6	U	24.6	U	43.2	U	24.6	U	24.6	U	NS
	26-Jun-07	2.4	U	1.2	U	3.4	U	3.2	U	0.88	U	2.6	U	NS
	30-Jul-07	1.5	U	NS	NS	1.7	U	NS	NS	1.6	U	4.4	U	NS
	22-Aug-07	NS	U	650	U	670	U	650	U	260	U	10.0	U	250
1,2-Dichloroethane	15-Aug-07	650	U	61.4	U	61.4	U	61.4	U	61.4	U	61.4	U	NS
	22-Aug-07	96	U	65	U	96	U	96	U	96	U	96	U	NS
	26-Apr-07	38.4	U	38.4	U	NS								
	21-May-07	60.9	U	39.4	U	39.4	U	87.6	U	38.4	U	38.4	U	NS
	26-Jun-07	0.4	U	0.4	U	NS								
	30-Jul-07	0.77	U	1.5	U	0.77								
	22-Aug-07	0.77	U	NS	NS	1.5	U	NS	NS	0.77	U	3.8	U	NS
1,2-Dichloropropane	15-Aug-07	370	U	390	U	390	U	360	U	340	U	140	U	NS
	22-Aug-07	50.6	U	50.6	U	NS								
	26-Apr-07	20.2	U	20.2	U	NS								
	21-May-07	36.5	U	20.2	U	20.2	U	36.5	U	20.2	U	20.2	U	NS
	26-Jun-07	0.4	U	0.4	U	NS								
	30-Jul-07	0.4	U	NS	NS	0.81	U	0.81	U	0.81	U	0.4	U	NS
	22-Aug-07	NS	U	0.81	U	NS	U	2.02	U	NS	U	2.02	U	NS
1,2-Dichloroethene	15-Aug-07	420	U	40.0	U	40.0	U	390	U	140	U	53	U	154
	22-Aug-07	67.7	U	57.7	U	57.7	U	57.7	U	57.7	U	57.7	U	NS
	26-Apr-07	23.1	U	23.1	U	NS								
	21-May-07	42.0	U	23.1	U	23.1	U	40.6	U	23.1	U	23.1	U	NS
	26-Jun-07	0.46	U	0.46	U	NS								
	30-Jul-07	0.46	U	NS	NS	0.62	U	NS	NS	0.46	U	2.3	U	NS
	22-Aug-07	NS	U	0.92	U	NS	U	2.31	U	NS	U	0.92	U	NS

Summary of Sub-Slab Air Sampling Data - Adelaide Avenue School Project - Volatile Organic Compounds

Volatile Organic Compounds via TO-15	Sample Date	March - August 2007, continued												
		MEP-1	MEP-2	MEP-3	MEP-4	MEP-5	MEP-6	MEP-7	MEP-8	MEP-9	MEP-10	MEP-11	MEP-12	
1,3,5-Triisopropylbenzene	15-Aug-07 22-May-07 26-Apr-07 21-Mar-07 28-Jun-07 1-Jul-07 30-Jul-07 22-Aug-07	44.0 65.4 24.6 44.7 1.2 0.74 NS	U U U U U NS	42.0 61.4 24.6 22.5 0.70 0.36 NS	U U U U 1.7 NS	42.0 61.4 24.6 43.2 1.7 NS	U U 24.6 1.7 NS	U U 24.6 0.98 NS	U U 24.6 0.98 NS	U U 24.6 1.5 NS	U U 24.6 2.6 NS	U U 24.6 1.5 NS	NS NS NS NS	
1,4-Dichlorobenzene	15-Aug-07 22-May-07 26-Apr-07 21-Mar-07 28-Jun-07 1-Jul-07 30-Jul-07 22-Aug-07	54.0 75.1 36. 54.7 69 34. NS	U U U U U NS	52.0 75.1 30. 55 55 2. NS	U U U U U NS	51.0 75.1 30. 52.9 68 2. NS	U U 30. U U NS	U U 30. U U NS	U U 30. U U NS	U U 30. U U NS	U U 30. U U NS	U U 30. U U NS	NS NS NS NS NS NS NS	
2-Bromoethane	15-Aug-07 22-May-07 26-Apr-07 21-Mar-07 28-Jun-07 1-Jul-07 30-Jul-07 22-Aug-07	19000000 19000000 19000000 19000000 19000000 19000000 19000000 19000000	19000000 19000 158000 4360 6200 NS	19000000 19000 158000 9300 11000 180000 190000 NS	NS NS NS NS NS NS NS NS									
Acetone	15-Aug-07 22-May-07 26-Apr-07 21-Mar-07 28-Jun-07 1-Jul-07 30-Jul-07 22-Aug-07	20000000 63600 1560 1210 410 NS	20000000 63600 1560 1210 1100 NS	10000000 5930000 5930000 5930000 5930000 NS	10000000 5930000 5930000 5930000 5930000 NS	2000000 547000 547000 547000 547000 NS	NS NS NS NS NS NS NS NS							
Ethylbenzene	15-Aug-07 22-May-07 26-Apr-07 21-Mar-07 28-Jun-07 1-Jul-07 30-Jul-07 22-Aug-07	260. 39.9 16. 26.0 0.69 0.67 NS	U U U U U U NS	260. 39.9 16. 26.1 0.73 0.67 NS	U U U U U U NS	270. 39.9 16. 26.1 0.73 0.67 NS	U U 16. U U U NS	U U 16. U U U NS	U U 16. U U U NS	U U 16. U U U NS	U U 16. U U U NS	U U 16. U U U NS	NS NS NS NS NS NS NS NS	
Styrene	15-Aug-07 22-May-07 26-Apr-07 21-Mar-07 28-Jun-07 1-Jul-07 30-Jul-07 22-Aug-07	66.9 83.7 35.5 33.5 33.5 0.67 0.67 NS	U U U U U U NS	66.9 83.7 35.5 33.5 33.5 0.67 0.67 NS	U U U U U U NS	66.9 83.7 35.5 33.5 33.5 0.67 0.67 NS	U U U U U U NS	66.9 83.7 35.5 33.5 33.5 0.67 0.67 NS	66.9 83.7 35.5 33.5 33.5 0.67 0.67 NS	66.9 83.7 35.5 33.5 33.5 0.67 0.67 NS	66.9 83.7 35.5 33.5 33.5 0.67 0.67 NS	66.9 83.7 35.5 33.5 33.5 0.67 0.67 NS	NS NS NS NS NS NS NS NS	
cis-1,2-Dichloroethane	15-Aug-07 22-May-07 26-Apr-07 21-Mar-07 28-Jun-07 1-Jul-07 30-Jul-07 22-Aug-07	360. 49.5 49.5 19.8 19.8 0.5 0.4 NS	U U U U U U U NS	360. 49.5 49.5 19.8 19.8 0.5 0.4 NS	U U U U U U U NS	340. 49.5 49.5 19.8 19.8 0.5 0.4 NS	U U U U U U U NS	340. 49.5 49.5 19.8 19.8 0.5 0.4 NS	340. 49.5 49.5 19.8 19.8 0.5 0.4 NS	340. 49.5 49.5 19.8 19.8 0.5 0.4 NS	340. 49.5 49.5 19.8 19.8 0.5 0.4 NS	340. 49.5 49.5 19.8 19.8 0.5 0.4 NS	NS NS NS NS NS NS NS NS	
Methylcyclohexane	15-Aug-07 22-May-07 26-Apr-07 21-Mar-07 28-Jun-07 1-Jul-07 30-Jul-07 22-Aug-07	12000. 86.8 34.7 63.2 87. 14. NS	U U U U U U NS	12000. 86.8 34.7 63.2 87. 14. NS	U U U U U U NS	14000. 86.8 34.7 63.2 87. 14. NS	U U U U U U NS	14000. 86.8 34.7 63.2 87. 14. NS	14000. 86.8 34.7 63.2 87. 14. NS	14000. 86.8 34.7 63.2 87. 14. NS	14000. 86.8 34.7 63.2 87. 14. NS	14000. 86.8 34.7 63.2 87. 14. NS	NS NS NS NS NS NS NS	
2,2,4-Trimethylpentane	15-Aug-07 22-May-07 26-Apr-07 21-Mar-07 28-Jun-07 1-Jul-07 30-Jul-07 22-Aug-07	34.9 34.7 34.7 87. 14. NS	U U U U U NS	34.9 34.7 34.7 87. 14. NS	U U U U U NS	34.9 34.7 34.7 87. 14. NS	U U U U U NS	34.9 34.7 34.7 87. 14. NS	34.9 34.7 34.7 87. 14. NS	34.9 34.7 34.7 87. 14. NS	34.9 34.7 34.7 87. 14. NS	34.9 34.7 34.7 87. 14. NS	NS NS NS NS NS NS NS	



ANALYTICAL REPORT

Lab Number:	L0712221
Client:	EA Engineering, Science and Tech 2350 Post Road Warwick, RI 02886
ATTN:	Peter Grivers
Project Name:	ADELAIDE H.S.
Project Number:	6196501
Report Date:	09/14/07

Certifications & Approvals: MA (M-MA030), NY (11627), CT (PH-0141), NH (2206), NJ (MA015), RI (LA000299), 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: ADELAIDE H.S.
Project Number: 6196501

Lab Number: L0712221
Report Date: 09/14/07

Alpha Sample ID	Client ID	Sample Location
L0712221-01	IMP-1	PROVIDENCE, RI
L0712221-02	IMP-2	PROVIDENCE, RI
L0712221-03	MP-3	PROVIDENCE, RI
L0712221-04	MP-5	PROVIDENCE, RI

Project Name: ADELAIDE H.S.
Project Number: 6196501

Lab Number: L0712221
Report Date: 09/14/07

Case Narrative

The samples were received in accordance with the chain of custody and no significant deviations were encountered during preparation or analysis unless otherwise noted below.

Report Submission

This report replaces the report issued Sept. 10, 2007. The MeCl conversion factor was incorrect, and the report is being amended with corrected ug/m³ results.

TO-15 SIM

The Original analysis for sample L0712221-01 was performed on a 10x dilution. Re-analysis was lost due to an instrument issue and no sample remains for further analysis., therefore, the original analysis reported.

L0712221-02 was re-analyzed due to over dilution of the original analysis. The results of the re-analysis are reported.

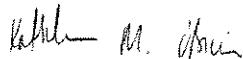
The original analysis for L0712221-04 had internal standard failure, re-analysis was performed and reported. L0712221-03 and -04R have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

Re-analysis on dilution was required in order to quantitate sample L0712221-03R within the range of the calibration. The result is reported as a greater than value for the compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound which exceeded the range of the calibration.

The WG292919-2 LCS % recoveries for trans-1,2-Dichloroethene, Styrene, Toluene, and Methyl-tert-butyl-ether are below the individual acceptance criteria for the compounds, but within the overall method allowances.

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: 09/14/07

AIR



09140718:08

Project Name: ADELAIDE H.S.

Lab Number: L0712221

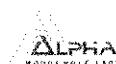
Project Number: 6196501

Report Date: 09/14/07

SAMPLE RESULTS

Lab ID: L0712221-01 Date Collected: 08/22/07 10:10
 Client ID: IMP-1 Date Received: 08/23/07
 Sample Location: PROVIDENCE, RI Field Prep: Not Specified
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/05/07 22:56
 Analyst: RY

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
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	ND	0.200	ND	1.20		10
Benzene	ND	0.200	ND	0.638		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	ND	0.200	ND	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



09140718:08

Project Name: ADELAIDE H.S.

Lab Number: L0712221

Project Number: 6196501

Report Date: 09/14/07

SAMPLE RESULTS

Lab ID:	L0712221-01	Date Collected:	08/22/07 10:10
Client ID:	IMP-1	Date Received:	08/23/07
Sample Location:	PROVIDENCE, RI	Field Prep:	Not Specified

Parameter	ppbV		ug/m3		Dilution Factor
	Results	RDL	Results	RDL	
Volatile Organic Compounds in Air by SIM					
Dichlorodifluoromethane	0.610	0.500	3.01	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	0.200	ND	0.851	10
Tetrachloroethene	ND	0.200	ND	1.36	10
Toluene	3.49	0.200	13.1	0.753	10
trans-1,2-Dichloroethene	ND	0.200	ND	0.792	10
trans-1,3-Dichloropropene	ND	0.200	ND	0.907	10
Trichloroethene	ND	0.200	ND	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	ND	5.00	ND	14.7	10
4-Methyl-2-pentanone	ND	5.00	ND	20.5	10



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Project Name: ADELAIDE H.S.

Lab Number: L0712221

Project Number: 6196501

Report Date: 09/14/07

SAMPLE RESULTS

Lab ID:	L0712221-02 R	Date Collected:	08/22/07 10:05
Client ID:	IMP-2	Date Received:	08/23/07
Sample Location:	PROVIDENCE, RI	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	09/06/07 09:18		
Analyst:	RY		

Parameter	ppbV		ug/m3		Dilution Factor
	Results	RDL	Results	RDL	
Volatile Organic Compounds in Air by SIM					
1,1,1-Trichloroethane	0.087	0.020	0.474	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	0.275	0.020	1.35	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	0.118	0.020	0.580	0.098	1
1,3-Dichlorobenzene	ND	0.020	ND	0.120	1
1,4-Dichlorobenzene	0.115	0.020	0.691	0.120	1
Benzene	0.118	0.020	0.377	0.064	1
Bromodichloromethane	ND	0.020	ND	0.134	1
Bromoform	ND	0.020	ND	0.206	1
Carbon tetrachloride	0.120	0.020	0.754	0.126	1
Chlorobenzene	ND	0.020	ND	0.092	1
Chloroethane	0.022	0.020	0.058	0.053	1
Chloroform	0.037	0.020	0.180	0.098	1
Chloromethane	1.56	0.500	7.63	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



09140718:08

Project Name: ADELAIDE H.S.

Lab Number: L0712221

Project Number: 6196501

Report Date: 09/14/07

SAMPLE RESULTS

Lab ID: L0712221-02 R Date Collected: 08/22/07 10:05
 Client ID: IMP-2 Date Received: 08/23/07
 Sample Location: PROVIDENCE, RI Field Prep: Not Specified

Parameter	ppbV		ug/m3		Dilution Factor
	Results	RDL	Results	RDL	
Volatile Organic Compounds in Air by SIM					
Dichlorodifluoromethane	0.481	0.050	2.38	0.247	1
Ethylbenzene	0.137	0.020	0.594	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	0.424	0.040	1.84	0.174	1
o-Xylene	0.177	0.020	0.768	0.087	1
Styrene	0.088	0.020	0.374	0.085	1
Tetrachloroethene	0.274	0.020	1.86	0.136	1
Toluene	2.73	0.020	10.3	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	1.52	0.020	8.14	0.107	1
Trichlorofluoromethane	1.99	0.050	11.2	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	13.8	2.00	32.7	4.75	1
2-Butanone	1.21	0.500	3.58	1.47	1
4-Methyl-2-pentanone	ND	0.500	ND	2.05	1



09140718:08

Project Name: ADELAIDE H.S.

Lab Number: L0712221

Project Number: 6196501

Report Date: 09/14/07

SAMPLE RESULTS

Lab ID:	L0712221-03	Date Collected:	08/22/07 15:55
Client ID:	MP-3	Date Received:	08/23/07
Sample Location:	PROVIDENCE, RI	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	09/06/07 00:10		
Analyst:	RY		

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
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	ND	0.200	ND	1.20		10
Benzene	ND	0.200	ND	0.638		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	ND	0.200	ND	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



09140718:08

Project Name: ADELAIDE H.S.

Lab Number: L0712221

Project Number: 6196501

Report Date: 09/14/07

SAMPLE RESULTS

Lab ID:	L0712221-03	Date Collected:	08/22/07 15:55
Client ID:	MP-3	Date Received:	08/23/07
Sample Location:	PROVIDENCE, RI	Field Prep:	Not Specified

Parameter	ppbV		ug/m3		Dilution Factor
	Results	RDL	Results	RDL	
Volatile Organic Compounds in Air by SIM					
Dichlorodifluoromethane	0.570	0.500	2.82	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	0.200	ND	0.851	10
Tetrachloroethene	ND	0.200	ND	1.36	10
Toluene	0.330	0.200	1.24	0.753	10
trans-1,2-Dichloroethene	ND	0.200	ND	0.792	10
trans-1,3-Dichloropropene	ND	0.200	ND	0.907	10
Trichloroethene	ND	0.200	ND	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	189	20.0	448	47.5	10
2-Butanone	>1000	5	>2949	14.7	10
4-Methyl-2-pentanone	ND	5.00	ND	20.5	10



09140718:08

Project Name: ADELAIDE H.S.

Lab Number: L0712221

Project Number: 6196501

Report Date: 09/14/07

SAMPLE RESULTS

Lab ID: L0712221-03 R Date Collected: 08/22/07 15:55
 Client ID: MP-3 Date Received: 08/23/07
 Sample Location: PROVIDENCE, RI Field Prep: Not Specified
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/06/07 09:58
 Analyst: RY

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
2-Butanone	954	12.5	2810	36.8		25

09140718:08

Project Name: ADELAIDE H.S.

Lab Number: L0712221

Project Number: 6196501

Report Date: 09/14/07

SAMPLE RESULTS

Lab ID:	L0712221-04 R	Date Collected:	08/22/07 14:34
Client ID:	MP-5	Date Received:	08/23/07
Sample Location:	PROVIDENCE, RI	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	09/06/07 10:33		
Analyst:	RY		

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
1,1,1-Trichloroethane	ND	0.500	ND	2.72		25
1,1,1,2-Tetrachloroethane	ND	0.500	ND	3.43		25
1,1,2,2-Tetrachloroethane	ND	0.500	ND	3.43		25
1,1,2-Trichloroethane	ND	0.500	ND	2.72		25
1,1-Dichloroethane	ND	0.500	ND	2.02		25
1,1-Dichloroethene	ND	0.500	ND	1.98		25
1,2,4-Trimethylbenzene	ND	0.500	ND	2.46		25
1,2-Dibromoethane	ND	0.500	ND	3.84		25
1,2-Dichlorobenzene	ND	0.500	ND	3.00		25
1,2-Dichloroethane	ND	0.500	ND	2.02		25
1,2-Dichloropropane	ND	0.500	ND	2.31		25
1,3,5-Trimethylbenzene	ND	0.500	ND	2.46		25
1,3-Dichlorobenzene	ND	0.500	ND	3.00		25
1,4-Dichlorobenzene	ND	0.500	ND	3.00		25
Benzene	ND	0.500	ND	1.60		25
Bromodichloromethane	ND	0.500	ND	3.35		25
Bromoform	ND	0.500	ND	5.16		25
Carbon tetrachloride	ND	0.500	ND	3.14		25
Chlorobenzene	ND	0.500	ND	2.30		25
Chloroethane	ND	0.500	ND	1.32		25
Chloroform	ND	0.500	ND	2.44		25
Chloromethane	ND	12.5	ND	61.0		25
cis-1,2-Dichloroethene	ND	0.500	ND	1.98		25
cis-1,3-Dichloropropene	ND	0.500	ND	2.27		25
Dibromochloromethane	ND	0.500	ND	2.40		25



09140718:08

Project Name: ADELAIDE H.S.

Lab Number: L0712221

Project Number: 6196501

Report Date: 09/14/07

SAMPLE RESULTS

Lab ID: L0712221-04 R Date Collected: 08/22/07 14:34
 Client ID: MP-5 Date Received: 08/23/07
 Sample Location: PROVIDENCE, RI Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
Dichlorodifluoromethane	ND	1.25	ND	6.18		25
Ethylbenzene	ND	0.500	ND	2.17		25
Methylene chloride	13.1	12.5	45.5	43.4		25
Methyl tert butyl ether	ND	0.500	ND	1.80		25
p/m-Xylene	ND	1.00	ND	4.34		25
o-Xylene	ND	0.500	ND	2.17		25
Styrene	ND	0.500	ND	2.13		25
Tetrachloroethene	ND	0.500	ND	3.39		25
Toluene	ND	0.500	ND	1.88		25
trans-1,2-Dichloroethene	ND	0.500	ND	1.98		25
trans-1,3-Dichloropropene	ND	0.500	ND	2.27		25
Trichloroethene	ND	0.500	ND	2.68		25
Trichlorofluoromethane	ND	1.25	ND	7.02		25
Vinyl chloride	ND	0.500	ND	1.28		25
Acrylonitrile	ND	12.5	ND	27.1		25
n-Butylbenzene	ND	12.5	ND	68.6		25
sec-Butylbenzene	ND	12.5	ND	68.6		25
Isopropylbenzene	ND	12.5	ND	61.4		25
p-Isopropyltoluene	ND	12.5	ND	68.6		25
Acetone	162	50.0	386	119		25
2-Butanone	1220	12.5	3600	36.8		25
4-Methyl-2-pentanone	ND	12.5	ND	51.2		25



09140718:08

Project Name: ADELAIDE H.S.

Lab Number: L0712221

Project Number: 6196501

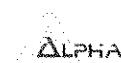
Report Date: 09/14/07

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 09/05/07 20:22

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM for sample(s): 01-04 Batch: WG292919-3						
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	0.020	ND	0.064		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



09140718:08

Project Name: ADELAIDE H.S.

Lab Number: L0712221

Project Number: 6196501

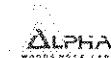
Report Date: 09/14/07

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 09/05/07 20:22

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM for sample(s): 01-04 Batch: WG292919-3						
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

Project Name: ADELAIDE H.S.
 Project Number: 6196501

Batch Quality Control
 Lab Number: L0712221
 Report Date: 09/14/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organic Compounds in Air by SLM Associated sample(s): 01-04 Batch: WG292919-2					
1,1,1-Trichloroethane	107	-	70-130	-	-
1,1,2-Tetrachloroethane	87	-	70-130	-	-
1,1,2,2-Tetrachloroethane	88	-	70-130	-	-
1,1,2-Trichloroethane	89	-	70-130	-	-
1,1-Dichloroethane	76	-	70-130	-	-
1,1-Dichloroethylene	73	-	70-130	-	-
1,2,4,Trimethylbenzene	91	-	70-130	-	-
1,2-Dibromoethane	75	-	70-130	-	-
1,2-Dichlorobenzene	89	-	70-130	-	-
1,2-Dichloroethane	77	-	70-130	-	-
1,2-Dichloropropane	89	-	70-130	-	-
1,3,5-Trimethylbenzene	85	-	70-130	-	-
1,3-Butadiene	81	-	70-130	-	-
1,3-Dichlorobenzene	85	-	70-130	-	-
1,4-Dichlorobenzene	83	-	70-130	-	-
Benzene	74	-	70-130	-	-
Bromodichloromethane	104	-	70-130	-	-
Bromoform	103	-	70-130	-	-
Bromomethane	85	-	70-130	-	-
Carbon tetrachloride	108	-	70-130	-	-
Chlorobenzene	70	-	70-130	-	-

Lab Control Sample Analysis
Batch Quality Control

Project Name: ADELAIDE H.S.
Project Number: 6196501

Lab Number: L0712221
Report Date: 09/14/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organic Compounds in Air by SIM Associated sample(s): 01-04 Batch: WG292919-2					
Chloroethane	83	-	70-130	-	-
Chloroform	86	-	70-130	-	-
Chloromethane	87	-	70-130	-	-
cis-1,2-Dichloroethene	70	-	70-130	-	-
cis-1,3-Dichloropropene	83	-	70-130	-	-
Dibromochloromethane	91	-	70-130	-	-
Dichlorodifluoromethane	101	-	70-130	-	-
Ethylbenzene	70	-	70-130	-	-
1,1,2-Trichloro-1,2,2-Trifluoroethane	76	-	70-130	-	-
1,2-Dichloro-1,1,2,2-tetrachloroethane	88	-	70-130	-	-
Methylene chloride	84	-	70-130	-	-
Methyl tert butyl ether	64	-	70-130	-	-
Naphthalene	102	-	70-130	-	-
p/m-Xylene	77	-	70-130	-	-
o-Xylene	80	-	70-130	-	-
Styrene	66	-	70-130	-	-
Tetrachloroethene	70	-	70-130	-	-
Toluene	67	-	70-130	-	-
trans-1,2-Dichloroethene	68	-	70-130	-	-
trans-1,3-Dichloropropene	77	-	70-130	-	-
Trichloroethene	88	-	70-130	-	-

Lab Control Sample Analysis
Batch Quality Control

Project Name: ADELAIDE H.S.
Project Number: 6196501

Lab Number: L0712221
Report Date: 09/14/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD RPD Limits
Volatile Organic Compounds in Air by SLM Associated sample(s): 01-04 Batch: WG292919-2				
Trichlorofluoromethane	95	-	-	70-130
Vinyl chloride	86	-	-	70-130
Acrylonitrile	105	-	-	70-130
n-Butylbenzene	96	-	-	70-130
sec-Butylbenzene	87	-	-	70-130
Isopropylbenzene	81	-	-	70-130
p-Isopropyltoluene	82	-	-	70-130
Acetone	97	-	-	70-130
2-Butanone	92	-	-	70-130
4-Methyl-2-pentanone	122	-	-	70-130

Project Name: ADELAIDE H.S.
 Project Number: 6196501

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L0712221
 Report Date: 09/14/07

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organic Compounds in Air by SIM Associated sample(s): 01-04 QC Batch ID: WG292919-4 QC Sample: L0712224-01 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-Dichloroethylene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC	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	ND	ND	ppbV	NC	25
Benzene	0.050	0.055	ppbV	10	25
Bromodichlormethane	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Carbon tetrachloride	0.107	0.120	ppbV	11	25
Chlorobenzene	ND	ND	ppbV	NC	25

Project Name: ADELAIDE H.S.
 Project Number: 6196501

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L0712221
 Report Date: 09/14/07

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organic Compounds in Air by SiM Associated sample(s): 01-04 QC Batch ID: WG292919-4 QC Sample: L0712224-01 Client ID: DUP Sample					
Chloroethane	ND	ND	ppbV	NC	25
Chloroform	ND	ND	ppbV	NC	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	0.435	0.455	ppbV	4	25
Ethylbenzene	ND	ND	ppbV	NC	25
Methylene Chloride	ND	ND	ppbV	NC	26
Methyl tert butyl ether	ND	ND	ppbV	NC	25
p/m-Xylene	ND	ND	ppbV	NC	25
o-Xylene	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
Tetrahydrofuran	ND	ND	ppbV	NC	25
Toluene	0.139	0.161	ppbV	15	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	0.240	0.255	ppbV	6	25

Project Name: ADELAIDE H.S.
 Project Number: 6196501

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L0712221
 Report Date: 09/14/07

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organic Compounds in Air by SIM Associated sample(s): 01-04 QC Batch ID: WG292919-4 QC Sample: L0712224-01 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	3.42	3.70	ppbv	8	25
2-Butanone	ND	ND	ppbv	NC	25
4-Methyl-2-pentanone	ND	ND	ppbv	NC	25

Project Name: ADELAIDE H.S.
Project Number: 6196501

Lab Number: L0712221
Report Date: 09/14/07

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0712221-01A	Canister - 2.7 Liter	NA	NA	NA	NA	Absent	TO15-SIM
L0712221-02A	Canister - 2.7 Liter	NA	NA	NA	NA	Absent	TO15-SIM
L0712221-03A	Canister - 2.7 Liter	NA	NA	NA	NA	Absent	TO15-SIM
L0712221-04A	Canister - 2.7 Liter	NA	NA	NA	NA	Absent	TO15-SIM

Project Name: ADELAIDE H.S.

Lab Number: L0712221

Project Number: 6196501

Report Date: 09/14/07

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.
 NI - Not Ignitable.
 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.
 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 following data qualifiers have been identified for use under the CT DEP Reasonable Confidence Protocols.

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.

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

J - Estimated value. The analyte was tentatively identified; the quantitation is an estimation. (Tentatively identified compounds only.)

Standard Qualifiers

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

Project Name: ADELAIDE H.S.

Project Number: 6196501

Lab Number: L0712221

Report Date: 09/14/07

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 Woods Hole Labs 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 its own expense. In no event shall Alpha Woods Hole Labs 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.





AIR ANALYSIS

CHAIN OF CUSTODY

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: EA Engineering, Sci. & Tech.
Address: 350 Post Rd.
Warwick, RI

Phone: 736-3440
Fax: 737-3243

Email: GriversQuest.com
 These samples have been previously analyzed by Alpha

Date Due: 07/17
Time:
Other Project Specific Requirements/Comments:

PAGE 1 OF 1

ALPHA Job #: U07 12221

Date Rec'd in Lab:

Report Information

Data Deliverables

Billing Information

Project Name: Adelaide H.S.Project Location: Providence, RI

(Default based on Regulatory Criteria indicated)

Other Formats:

 EMAIL (standard pdf report) Additional Deliverables:

Report to: (if different than Project Manager)

ALPHA Quote #:

Turn-Around Time

 Standard RUSH (only confirmed if pre-approved)

To: 10-15 days

Date Due: 07/17

Time:

Client/Project Specific

(Default based on Regulatory Criteria indicated)

Other Formats:

 EMAIL (standard pdf report) Additional Deliverables:

Report to: (if different than Project Manager)

ALPHA Quote #:

Turn-Around Time

 Standard RUSH (only confirmed if pre-approved)

To: 10-15 days

Date Due: 07/17

Time:

Regulatory Requirements/Report Limits

State/Fed

Program

Criteria

Target Air Concentrations

TO-A/TD-10
DISS GASES CO2 ONLYTO-A/TD-10
SURFACE MEMBR PARTSTO-A/TD-10
MPHTO-A/TD-10
DISS GASESTO-A/TD-10
DISS GASESTO-A/TD-10
DISS GASESTO-A/TD-10
DISS GASESTO-A/TD-10
DISS GASESTO-A/TD-10
DISS GASESTO-A/TD-10
DISS GASES

Container Type

15

Received By:

Date/Time:

07/13/05

1405

Signature

Signature

Signature

Shaded Gray Areas For Lab Use Only

R.O. 36434

Relinquished By:

Date/Time:

07/13/05

1405

Signature

Signature

Signature

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 Payment Terms. See reverse side.