EA Engineering, Science, and Technology, Inc.

Airport Professional Park
2350 Post Road
Warwick, Rhode Island 02886
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20 July 2007

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

RE: 29 June 2007 Air Sampling Event/Order of Approval Compliance Follow-Up Letter
Adelaide Avenue School, 333 Adelaide Avenue, Providence, Rhode Island
Case No. 2005-029
EA Project No. 61965.01

Dear Mr. Martella:

On behalf of the Providence Department of Public Property (City), EA Engineering, Science, and Technology, Inc. (EA) is providing this letter in accordance with Item 6(e)(vi) of the Department's Order of Approval (OA) issued in June 2006 and amended in February 2007 (Amended Order) for the referenced Adelaide Avenue School site (the Site).

As communicated via telephone message to the Rhode Island Department of Environmental Management (the Department) at approximately 2:45 pm on Monday, 16 July 2007, several volatile organic compounds (VOCs) were identified in indoor air at the site in concentrations that exceed the Indoor Air Action Levels for this project during the sampling event completed on 29 June 2007. We have attached tables summarizing the pertinent data, figures illustrating the sampling locations, and copies of the laboratory analytical reports for your reference (Attachment A).

EA collected eight sub-slab vapor samples, eight indoor air samples, one ambient air sample, and 3 roof-top effluent samples at the Site on 29 June 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 fifth sampling round completed at the Site in accordance with the schedule mandated by the Amended Order. Sub-slab vacuum measurements were also collected on 29 June 2007 to ensure that adequate depressurization of the sub-slab region was being maintained by the active sub-slab depressurization (SSD) system.

As previous air sampling summary correspondence submitted to the Department presented, the data collected on 29 June 2007 continues to demonstrate that:

- No evidence of soil vapor intrusion into the newly constructed school has been observed.
- The continuous operation of the SSD system and confirmation of sub-slab vacuum beneath the school between -0.04 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.
- To date, with the exception of 1 VOC compound in 1 indoor air sample collected on 22 March 2007 (Trichloroethylene, also known to be resultant from construction activities and also detected in ambient outdoor air at a greater concentration that that reported for the indoor sample on 22 March), 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, have been detected in any of the 40 samples at concentrations greater than the respective Indoor Air Action Levels.

- The sub-slab vapor samples continue to illustrate the expected steady and dramatic decrease in the concentrations of two construction-related VOC compounds (Acetone and 2-Butanone) detected in the sub-slab samples due to the use of PVC primer and glue during construction of the sampling probes. The average decrease in the concentration of Acetone and 2-Butanone in all sub-slab sampling locations is 99.85% since the initial round of sub-slab sampling was completed in March 2007.

- All reporting limits for the sub-slab vapor samples have been dramatically lowered by the laboratory over time as the PVC-related compounds have significantly decreased. Currently, all but 1 of the VOCs 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 (and approximately 77% of all VOCs) include a reporting limit that is less than the respective Action Levels applicable to indoor air.

- Carbon Tetrachloride, a background ambient concentration at the site and in urban communities, has consistently been detected in ambient outdoor air during each of the five sampling events completed thus far at concentrations ranging between 0.48 to 0.71 ug/m^3. During the same sampling events, Carbon Tetrachloride concentrations inside the school building have ranged between 0.36 to 0.79 ug/m^3. During this sampling event, the ambient outdoor concentration of Carbon Tetrachloride was 0.50 ug/m^3, and concentrations within the school were similarly between 0.45 and 0.53 ug/m^3.

- In general, since indoor air sampling was initiated in March 2007, ongoing construction activities and cigarette smoking by contractors have resulted in the presence of some VOCs inside the school. However, as expected and as the amount of indoor construction activities with the potential to generate VOCs (touch-up painting, cleaning, finish carpentry, etc.) has decreased over time and since smoking by contractors has stopped, the number of VOCs detected inside the school has dramatically decreased to the point where only two VOCs known to be associated with construction activity (1,3,5-Trimethylbenzene and 1,2,4-Trimethylbenzene) were detected in several samples at concentrations that exceed the applicable Indoor Air Action Levels on 29 June 2007. Historically, these 2 VOCs were either not detected in soil gas sampled from the school property or were detected at concentrations significantly lower than the Action Level (9.3 ug/m^3). During the same sampling round, neither of these 2 VOCs was detected in the sub-slab region above 3.4 ug/m^3.

- During this sampling event, Methylene Chloride was detected in Ambient Outdoor Air at a concentration of 6.7 ug/m^3, and at similar concentrations within the school building and within the three rooftop effluent samples (between 5.3 to 9.2 ug/m^3). Methylene Chloride is a known possible laboratory contaminant, and is also widely used as an industrial solvent and as a paint stripper. It can also be found in certain aerosols, pesticide products, photographic film processes, spray paints, automotive cleaners, and other household products. EA has contacted Alpha Woods Hole Labs, and the data collected suggests that the Methylene Chloride reported in these samples could be a background ambient concentration for this site or may be resultant from inadvertent contamination introduced into the sampling canisters during handling or storage at the laboratory.

- Roof-top effluent samples from the three SSD system fans were collected during this sampling round. The previous roof-top effluent sampling round collected in March 2007 immediately after SSD system startup indicated compliance with all Air Pollution Control Permit Applicability

Thresholds. In general, the VOC concentrations in the rooftop effluent associated with this sampling round are significantly less than those measured during the March 2007 sampling event. Taking actual air flow measurements collected during the 29 June 2007 sampling event into account, the roof-top VOC emissions are similarly significantly less than those calculated based upon the March sampling event and the Air Pollution Control Permit Applicability Thresholds continue to be met.

In conclusion, 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 indicates that no soil vapor intrusion is occurring. In accordance with data trends observed thus far, the 2 residual VOCs related to construction activity detected above the respective Indoor Air Action Levels inside the building are expected to continue to decrease over time, and Carbon Tetrachloride is expected to continue to be an ambient background compound for the site. Methylene Chloride may also be an ambient background compound for the site or may have been introduced into the sampling containers at the laboratory. Additional sampling is scheduled for 30 July 2007. Therefore, no SSD System modifications or other actions to address current site conditions are warranted or proposed at this time.

We trust that this correspondence satisfies OA Provision 6(e)(vi). However, if you have any questions or require additional information, please do not hesitate to 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 Providence
A. Sepe, Providence Department of Public Property
J. Fernandez, City of Providence Law Department
S. Rapport, City of Providence Law Department
J. Boehnert, Partridge, Snow, & Hahn
J. Ryan, Partridge, Snow, & Hahn
T. Deller, Providence Redevelopment Agency
T. Gray, RIDEM Bureau of Environmental Protection
J. Langlois, RIDEM Legal Services
L. Hellested, RIDEM Office of Waste Management
K. Owens, RIDEM Office of Waste Management
C. Walusiak, RIDEM Office of Waste Management
S. Fischbach, RI Legal Services
Former Gorham Site, Parcel B – Knight Memorial Library Repository

Methane Sensor Location in West Wing

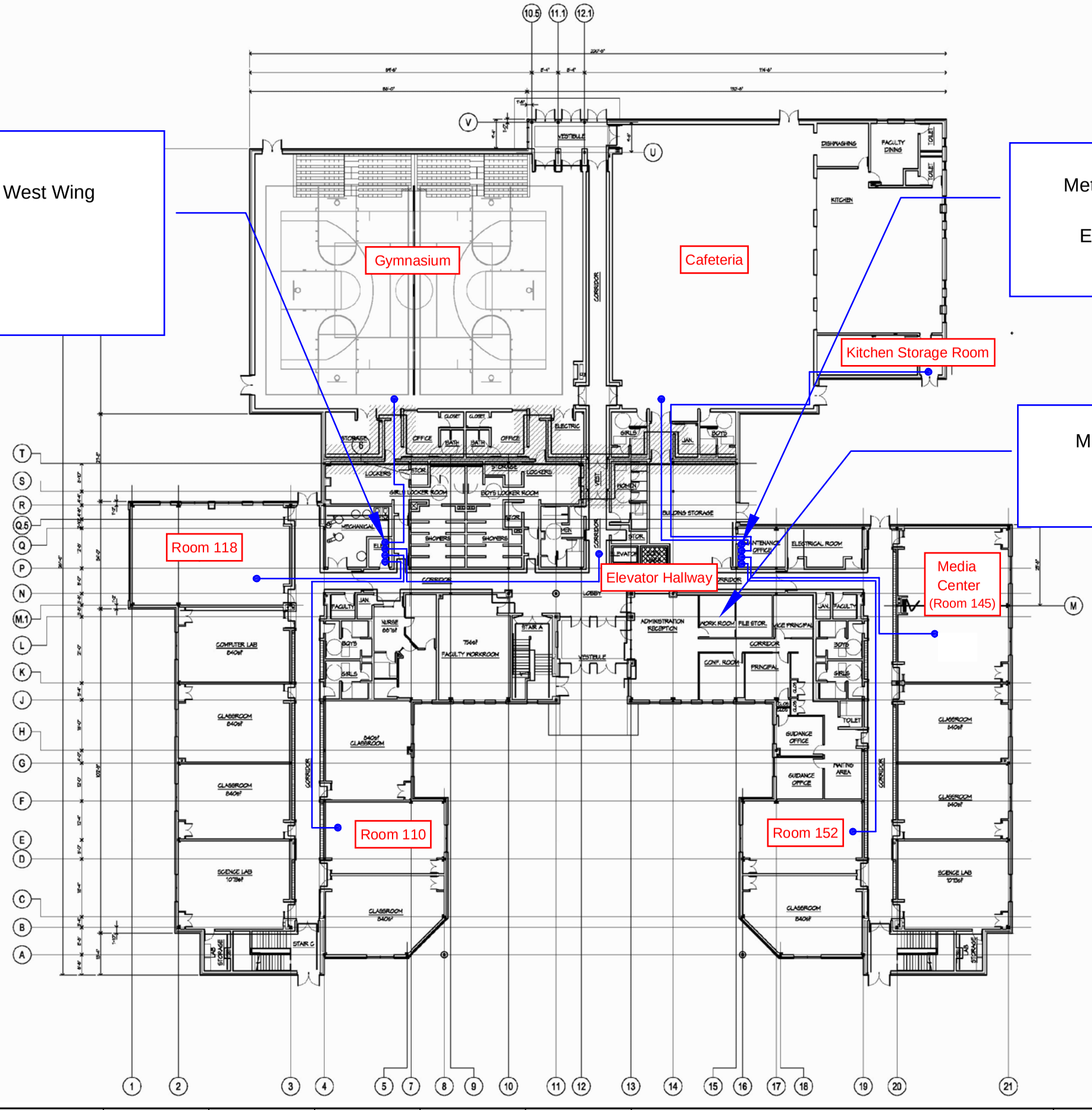
Electrical Room Area

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	LETTER ATTACHMENT FIGURE
	CHECKED BY: PMG	PROJECT MGR.: PMG	SCALE: NTS	DRAWING NO.: –	FIGURE: N/A		

Summary of Indoor Air Sampling Data - Adelaide Avenue School Project - Volatile Organic Compounds
Sampling Event - June 29, 2007

					Kitchen Storage Room[A]		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Ambient Outdoor	
Volatile Organic Compounds via TO-15	CT *Draft Proposed* Indoor Residential Target Air Concentrations *	CT *Existing* Indoor Residential Target Air Concentrations **	NYSDOH Air Guideline Values***	Units		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual
Carbon tetrachloride[1]	0.5	1	None	µg/m³	0.51		0.51		0.45		0.50		0.53		0.50		0.50		0.48		0.50	
1,3,5-Trimethylbenzene[2]	9.3	None	None	µg/m³	9.4		5.8		3.6		6.2		0.77		0.34		1.0		2.3		0.10	U
1,2,4-Trimethylbenzene[3]	9.3	None	None	µg/m³	16		10		7.10		9.9		1.50		0.53		1.5		3.80		0.19	
Methylene Chloride [4]	3	45	60	µg/m³	9.2		6.7		5.3		5.7		7.6		8.0		6.1		7.0		6.7	

* State of Connecticut Draft Proposed Indoor Residential Target Air Concentrations [Proposed Revisions to Connecticut's Remediation Standard Regulations Volatilization Criteria, CTDEP, March 2003]; 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, Bromodichloromethane, 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, CTDEP, 1996]. 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 CTDEP.

*** 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.

1: Carbon Tetrachloride is a manufactured chemical used in aerosols, cleaning fluids, fire extinguishers, and degreasing agents. This compound was measured at 0.50 ug/m3 in ambient outdoor air and was not detected in soil vapor at the site in 2005 at a reporting limit of 3.1 ug/m3.
2: 1,3,5-Trimethylbenzene is found in plastic, vinyl products, PVC pipes, building materials, and furnishings. 1,3,5-Trimethylbenzene was not detected in soil vapor at the site in 2005 and was not detected in ambient outdoor air during this sampling event.
3: 1,2,4-Trimethylbenzene is found in paints, paint thinners, vinyl flooring, rubber floor and wall coverings, wood furniture, and building insulation products. 1,2,4-Trimethylbenzene was found in one soil vapor sample at the site in 2005 at a concentration of 4.3 ug/m3, but was not found in ambient outdoor
4: Methylene Chloride is used as an industrial solvent and as a paint stripper. It can be found in certain aerosol and pesticide products and is used in the manufacture of photographic film. The chemical may be found in some spray paints, automotive cleaners, and other household products. Most of the methylene chloride released to the environment results from its use as an end product by various industries and the use of aerosol products and paint removers. Methylene Chloride was found in each of the 8 indoor air samples collected during this sampling round, but was also detected at generally the same concentration in ambient outdoor air (6.7 ug/m3). These Methylene Chloride results are not consistent with previous sampling at the site and is also known to be a common laboratory contaminant. The laboratory performing the analyses utilized a different facility to analyze these samples as opposed to previous sampling round laboratory contamination or background ambient air is the most likely contributor of the Methylene Chloroide.

A: Can of spray paint noted in Kitchen Storage Room during this sampling event.

ANALYTICAL REPORT

Prepared for:
EA Engineering, Science & Technology
2350 Post Road
Warwick, RI 02886

Project:	Adelaide Ave. School
ETR:	0706154
Report Date:	July 12, 2007

Certifications and Accreditations
Massachusetts M-MA030
Connecticut PH-0141
New Hampshire 2206
Rhode Island LAO00289
New Jersey MA015
Maine MA0030
New York 11627
Louisiana 03090
Florida E87814
Pennsylvania 68-02089
Army Corps of Engineers
Department of the Navy

This report shall not be reproduced except in full, without written approval from the laboratory.

320 Forbes Blvd, Mansfield, MA 02048, (508) 822-9300, Fax (508) 822-3288

Sample ID Cross Reference

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**

Lab Code: **MA00030**
ETR: **0706154**

Lab Sample ID	Client Sample ID
0706154-01	Gym
0706154-02	Cafeteria
0706154-03	Kitchen Storage Room
0706154-04	Elevator Hallway
0706154-05	Room 118
0706154-06	Room 110
0706154-07	Room 145 - Media Ctr
0706154-08	Room 152
0706154-09	Ambient Outdoor Air

CASE NARRATIVE
Alpha Woods Hole Lab

ETR: 0706154
Project: Adelaide Ave. School

All analyses were performed according to Alpha Woods Hole Labs quality assurance program and documented Standard Operating Procedures (SOPs). The analytical results contained in this report were performed within holding time, and with appropriate quality control measures, except where noted. A summary of all state and federal accreditations is provided within this report. Blank correction of results is not performed in the laboratory for any parameter.

Volatile Organics by TO-15 SIM

1. The method blank VA071107B27, analyzed on 6/30/07 has benzene detected at trace levels below the reporting limit and "J" qualified. Associated field sample results would be flagged with "B" qualifiers if the concentrations of the analytes in the samples were less than 5X the concentration in the blank.

2. Sample Room 110 (0706154-06) required re-analysis at a 1:10 dilution due to concentrations of 2-Butanone detected above the calibration range of the instrument. This re-analysis is only evaluated for 2-Butanone which was over the calibration range in the original analysis.

The enclosed results of analyses are representative of the samples as received by the laboratory. Alpha Woods Hole Labs makes no representations or certifications as to the method of sample collection, sample identification, or transporting/handling procedures used prior to the receipt of samples by Alpha Woods Hole Labs. To the best of my knowledge, the information contained in this report is accurate and complete.

Approved by: Elizabeth Porta Title: organics manager Date: 7/12/07
Elizabeth Porta **Organics Manager**

Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Gym**
Case: **N/A** SDG: **N/A**
Matrix: **Air**

Lab Code: **MA00030**
ETR: **0706154**
Lab ID: **0706154-01**
Associated Blank: **VA071107B27**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	06/30/07	250	250	1	JEG

Parameter	Raw Amount ppbv	Result µg/m³
Dichlorodifluoromethane	**0.41**	**2.0**
Chloromethane	0.04 U	0.08 U
Vinyl chloride	0.02 U	0.05 U
Chloroethane	0.02 U	0.05 U
Acetone	**5.9**	**14**
Trichlorofluoromethane	**0.21**	**1.2**
Acrylonitrile	0.50 U	1.1 U
1,1-Dichloroethene	0.02 U	0.08 U
Methylene chloride	**1.5**	**5.3**
trans-1,2-Dichloroethene	0.02 U	0.08 U
1,1-Dichloroethane	0.02 U	0.08 U
MTBE	**0.04**	**0.14**
2-Butanone	**9.6**	**28**
cis-1,2-Dichloroethene	0.02 U	0.08 U
Chloroform	**0.03**	**0.13**
1,2-Dichloroethane	0.02 U	0.08 U
1,1,1-Trichloroethane	0.02 U	0.11 U
Benzene	**0.10**	**0.32**
Carbon tetrachloride	**0.07**	**0.45**
1,2-Dichloropropane	0.02 U	0.09 U
Bromodichloromethane	0.02 U	0.13 U
Trichloroethene	0.02 U	0.11 U
cis-1,3-Dichloropropene	0.02 U	0.09 U
4-Methyl-2-pentanone	0.50 U	2.0 U
trans-1,3-Dichloropropene	0.02 U	0.09 U
1,1,2-Trichloroethane	0.02 U	0.11 U
Toluene	**1.2**	**4.3**
Dibromochloromethane	0.02 U	0.17 U
1,2-Dibromoethane	0.02 U	0.15 U
Tetrachloroethene	**0.02**	**0.14**
1,1,1,2-Tetrachloroethane	0.02 U	0.14 U
Chlorobenzene	0.02 U	0.09 U
Ethylbenzene	**1.0**	**4.5**
p+m-Xylene	**3.6**	**16**
Bromoform	0.02 U	0.21 U
Styrene	**0.03**	**0.14**

Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Gym**
Case: **N/A** SDG: **N/A**
Matrix: **Air**

Lab Code: **MA00030**
ETR: **0706154**
Lab ID: **0706154-01**
Associated Blank: **VA071107B27**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	06/30/07	250	250	1	JEG

Parameter	Raw Amount ppbv	Result µg/m³
1,1,2,2-Tetrachloroethane	0.02 U	0.14 U
o-Xylene	**0.90**	**3.9**
Isopropylbenzene	0.50 U	2.5 U
1,3,5-Trimethylbenzene	**0.74**	**3.6**
1,2,4-Trimethylbenzene	**1.4**	**7.1**
1,3-Dichlorobenzene	0.02 U	0.12 U
1,4-Dichlorobenzene	**0.05**	**0.29**
sec-Butylbenzene	0.50 U	2.5 U
p-Isopropyltoluene	0.04 U	0.22 U
1,2-Dichlorobenzene	0.02 U	0.12 U
n-Butylbenzene	0.20 U	1.1 U

N/A - Not Applicable
U - The analyte was analyzed for but not detected at the sample specific level reported.

320 Forbes Blvd, Mansfield, MA 02048, (508) 822-9300, Fax (508) 822-3288

Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Cafeteria**
Case: **N/A** SDG: **N/A**
Matrix: **Air**

Lab Code: **MA00030**
ETR: **0706154**
Lab ID: **0706154-02**
Associated Blank: **VA071107B27**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	06/30/07	250	250	1	JEG

Parameter	Raw Amount ppbv	Result µg/m³
Dichlorodifluoromethane	**0.48**	**2.4**
Chloromethane	**0.46**	**2.3**
Vinyl chloride	0.02 U	0.05 U
Chloroethane	0.02 U	0.05 U
Acetone	**6.3**	**15**
Trichlorofluoromethane	**0.22**	**1.3**
Acrylonitrile	0.50 U	1.1 U
1,1-Dichloroethene	0.02 U	0.08 U
Methylene chloride	**1.9**	**6.7**
trans-1,2-Dichloroethene	0.02 U	0.08 U
1,1-Dichloroethane	0.02 U	0.08 U
MTBE	0.02 U	0.07 U
2-Butanone	**1.5**	**4.4**
cis-1,2-Dichloroethene	0.02 U	0.08 U
Chloroform	0.02 U	0.10 U
1,2-Dichloroethane	0.02 U	0.08 U
1,1,1-Trichloroethane	0.02 U	0.11 U
Benzene	**0.10**	**0.33**
Carbon tetrachloride	**0.08**	**0.51**
1,2-Dichloropropane	0.02 U	0.09 U
Bromodichloromethane	0.02 U	0.13 U
Trichloroethene	0.02 U	0.11 U
cis-1,3-Dichloropropene	0.02 U	0.09 U
4-Methyl-2-pentanone	0.50 U	2.0 U
trans-1,3-Dichloropropene	0.02 U	0.09 U
1,1,2-Trichloroethane	0.02 U	0.11 U
Toluene	**1.5**	**5.6**
Dibromochloromethane	0.02 U	0.17 U
1,2-Dibromoethane	0.02 U	0.15 U
Tetrachloroethene	0.02 U	0.14 U
1,1,1,2-Tetrachloroethane	0.02 U	0.14 U
Chlorobenzene	0.02 U	0.09 U
Ethylbenzene	**0.73**	**3.2**
p+m-Xylene	**2.5**	**11**
Bromoform	0.02 U	0.21 U
Styrene	**0.07**	**0.29**

Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Cafeteria**
Case: **N/A** SDG: **N/A**
Matrix: **Air**

Lab Code: **MA00030**
ETR: **0706154**
Lab ID: **0706154-02**
Associated Blank: **VA071107B27**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	06/30/07	250	250	1	JEG

Parameter	Raw Amount ppbv	Result µg/m³
1,1,2,2-Tetrachloroethane	0.02 U	0.14 U
o-Xylene	**0.67**	**2.9**
Isopropylbenzene	0.50 U	2.5 U
1,3,5-Trimethylbenzene	**1.2**	**5.8**
1,2,4-Trimethylbenzene	**2.0**	**9.8**
1,3-Dichlorobenzene	0.02 U	0.12 U
1,4-Dichlorobenzene	**0.05**	**0.31**
sec-Butylbenzene	0.50 U	2.5 U
p-Isopropyltoluene	0.04 U	0.22 U
1,2-Dichlorobenzene	0.02 U	0.12 U
n-Butylbenzene	0.20 U	1.1 U

N/A - Not Applicable
U - The analyte was analyzed for but not detected at the sample specific level reported.

320 Forbes Blvd, Mansfield, MA 02048, (508) 822-9300, Fax (508) 822-3288

Duplicate
Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Cafeteria**
Case: **N/A** SDG: **N/A**
Matrix: **Air**

Lab Code: **MA00030**
ETR: **0706154**
Lab ID: **0706154-02 D**
Associated Blank: **VA071107B27**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	06/30/07	250	250	1	JEG

Parameter	Raw Amount ppbv	Result µg/m³
Dichlorodifluoromethane	**0.46**	**2.3**
Chloromethane	**0.41**	**2.1**
Vinyl chloride	0.02 U	0.05 U
Chloroethane	0.02 U	0.05 U
Acetone	**6.4**	**15**
Trichlorofluoromethane	**0.22**	**1.2**
Acrylonitrile	0.50 U	1.1 U
1,1-Dichloroethene	0.02 U	0.08 U
Methylene chloride	**1.9**	**6.7**
trans-1,2-Dichloroethene	0.02 U	0.08 U
1,1-Dichloroethane	0.02 U	0.08 U
MTBE	**0.03**	**0.11**
2-Butanone	**1.5**	**4.5**
cis-1,2-Dichloroethene	0.02 U	0.08 U
Chloroform	**0.03**	**0.13**
1,2-Dichloroethane	0.02 U	0.08 U
1,1,1-Trichloroethane	0.02 U	0.11 U
Benzene	**0.10**	**0.33**
Carbon tetrachloride	**0.08**	**0.50**
1,2-Dichloropropane	**0.02**	**0.09**
Bromodichloromethane	0.02 U	0.13 U
Trichloroethene	0.02 U	0.11 U
cis-1,3-Dichloropropene	0.02 U	0.09 U
4-Methyl-2-pentanone	0.50 U	2.0 U
trans-1,3-Dichloropropene	0.02 U	0.09 U
1,1,2-Trichloroethane	0.02 U	0.11 U
Toluene	**1.4**	**5.4**
Dibromochloromethane	0.02 U	0.17 U
1,2-Dibromoethane	0.02 U	0.15 U
Tetrachloroethene	**0.02**	**0.15**
1,1,1,2-Tetrachloroethane	0.02 U	0.14 U
Chlorobenzene	0.02 U	0.09 U
Ethylbenzene	**0.71**	**3.1**
p+m-Xylene	**2.4**	**10**
Bromoform	0.02 U	0.21 U
Styrene	**0.07**	**0.28**

Duplicate
Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Cafeteria**
Case: **N/A** SDG: **N/A**
Matrix: **Air**

Lab Code: **MA00030**
ETR: **0706154**
Lab ID: **0706154-02 D**
Associated Blank: **VA071107B27**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	06/30/07	250	250	1	JEG

Parameter	Raw Amount ppbv	Result µg/m³
1,1,2,2-Tetrachloroethane	0.02 U	0.14 U
o-Xylene	**0.66**	**2.9**
Isopropylbenzene	0.50 U	2.5 U
1,3,5-Trimethylbenzene	**1.2**	**5.7**
1,2,4-Trimethylbenzene	**2.0**	**9.6**
1,3-Dichlorobenzene	0.02 U	0.12 U
1,4-Dichlorobenzene	**0.05**	**0.29**
sec-Butylbenzene	0.50 U	2.5 U
p-Isopropyltoluene	0.04 U	0.22 U
1,2-Dichlorobenzene	0.02 U	0.12 U
n-Butylbenzene	0.20 U	1.1 U

N/A - Not Applicable
U - The analyte was analyzed for but not detected at the sample specific level reported.

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Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Kitchen Storage Room**
Case: **N/A** SDG: **N/A**
Matrix: **Air**

Lab Code: **MA00030**
ETR: **0706154**
Lab ID: **0706154-03**
Associated Blank: **VA071107B27**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	06/30/07	250	250	1	JEG

Parameter	Raw Amount ppbv	Result µg/m³
Dichlorodifluoromethane	**0.48**	**2.4**
Chloromethane	0.04 U	0.08 U
Vinyl chloride	0.02 U	0.05 U
Chloroethane	0.02 U	0.05 U
Acetone	**8.8**	**21**
Trichlorofluoromethane	**0.24**	**1.3**
Acrylonitrile	0.50 U	1.1 U
1,1-Dichloroethene	0.02 U	0.08 U
Methylene chloride	**2.7**	**9.2**
trans-1,2-Dichloroethene	0.02 U	0.08 U
1,1-Dichloroethane	0.02 U	0.08 U
MTBE	**0.04**	**0.13**
2-Butanone	**2.4**	**7.2**
cis-1,2-Dichloroethene	0.02 U	0.08 U
Chloroform	**0.03**	**0.16**
1,2-Dichloroethane	0.02 U	0.08 U
1,1,1-Trichloroethane	0.02 U	0.11 U
Benzene	**0.11**	**0.35**
Carbon tetrachloride	**0.08**	**0.51**
1,2-Dichloropropane	**0.03**	**0.12**
Bromodichloromethane	0.02 U	0.13 U
Trichloroethene	**0.03**	**0.16**
cis-1,3-Dichloropropene	0.02 U	0.09 U
4-Methyl-2-pentanone	0.50 U	2.0 U
trans-1,3-Dichloropropene	0.02 U	0.09 U
1,1,2-Trichloroethane	0.02 U	0.11 U
Toluene	**1.8**	**6.8**
Dibromochloromethane	0.02 U	0.17 U
1,2-Dibromoethane	0.02 U	0.15 U
Tetrachloroethene	**0.02**	**0.16**
1,1,1,2-Tetrachloroethane	0.02 U	0.14 U
Chlorobenzene	0.02 U	0.09 U
Ethylbenzene	**0.86**	**3.7**
p+m-Xylene	**2.9**	**13**
Bromoform	0.02 U	0.21 U
Styrene	**0.94**	**4.0**

Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Kitchen Storage Room**
Case: **N/A** SDG: **N/A**
Matrix: **Air**

Lab Code: **MA00030**
ETR: **0706154**
Lab ID: **0706154-03**
Associated Blank: **VA071107B27**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	06/30/07	250	250	1	JEG

Parameter	Raw Amount ppbv	Result µg/m³
1,1,2,2-Tetrachloroethane	0.02 U	0.14 U
o-Xylene	**0.85**	**3.7**
Isopropylbenzene	0.50 U	2.5 U
1,3,5-Trimethylbenzene	**1.9**	**9.4**
1,2,4-Trimethylbenzene	**3.2**	**16**
1,3-Dichlorobenzene	0.02 U	0.12 U
1,4-Dichlorobenzene	**0.06**	**0.36**
sec-Butylbenzene	0.50 U	2.5 U
p-Isopropyltoluene	0.04 U	0.22 U
1,2-Dichlorobenzene	0.02 U	0.12 U
n-Butylbenzene	0.20 U	1.1 U

N/A - Not Applicable
U - The analyte was analyzed for but not detected at the sample specific level reported.

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Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Elevator Hallway**
Case: **N/A** SDG: **N/A**
Matrix: **Air**

Lab Code: **MA00030**
ETR: **0706154**
Lab ID: **0706154-04**
Associated Blank: **VA071107B27**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	06/30/07	250	250	1	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
Dichlorodifluoromethane	**0.47**		**2.3**	
Chloromethane	0.04	U	0.08	U
Vinyl chloride	0.02	U	0.05	U
Chloroethane	0.02	U	0.05	U
Acetone	**7.4**		**18**	
Trichlorofluoromethane	**0.23**		**1.3**	
Acrylonitrile	0.50	U	1.1	U
1,1-Dichloroethene	0.02	U	0.08	U
Methylene chloride	**1.6**		**5.7**	
trans-1,2-Dichloroethene	0.02	U	0.08	U
1,1-Dichloroethane	0.02	U	0.08	U
MTBE	**0.02**		**0.09**	
2-Butanone	**1.1**		**3.2**	
cis-1,2-Dichloroethene	0.02	U	0.08	U
Chloroform	**0.04**		**0.17**	
1,2-Dichloroethane	0.02	U	0.08	U
1,1,1-Trichloroethane	0.02	U	0.11	U
Benzene	**0.12**		**0.37**	
Carbon tetrachloride	**0.08**		**0.50**	
1,2-Dichloropropane	0.02	U	0.09	U
Bromodichloromethane	0.02	U	0.13	U
Trichloroethene	**0.02**		**0.12**	
cis-1,3-Dichloropropene	0.02	U	0.09	U
4-Methyl-2-pentanone	0.50	U	2.0	U
trans-1,3-Dichloropropene	0.02	U	0.09	U
1,1,2-Trichloroethane	0.02	U	0.11	U
Toluene	**1.1**		**4.1**	
Dibromochloromethane	0.02	U	0.17	U
1,2-Dibromoethane	0.02	U	0.15	U
Tetrachloroethene	**0.02**		**0.16**	
1,1,1,2-Tetrachloroethane	0.02	U	0.14	U
Chlorobenzene	0.02	U	0.09	U
Ethylbenzene	**0.37**		**1.6**	
p+m-Xylene	**1.2**		**5.4**	
Bromoform	0.02	U	0.21	U
Styrene	**0.10**		**0.43**	

Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Elevator Hallway**
Case: **N/A** SDG: **N/A**
Matrix: **Air**

Lab Code: **MA00030**
ETR: **0706154**
Lab ID: **0706154-04**
Associated Blank: **VA071107B27**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	06/30/07	250	250	1	JEG

Parameter	Raw Amount ppbv	Result µg/m³
1,1,2,2-Tetrachloroethane	0.02 U	0.14 U
o-Xylene	**0.39**	**1.7**
Isopropylbenzene	0.50 U	2.5 U
1,3,5-Trimethylbenzene	**1.2**	**6.2**
1,2,4-Trimethylbenzene	**2.0**	**9.9**
1,3-Dichlorobenzene	0.02 U	0.12 U
1,4-Dichlorobenzene	**0.05**	**0.29**
sec-Butylbenzene	0.50 U	2.5 U
p-Isopropyltoluene	0.04 U	0.22 U
1,2-Dichlorobenzene	0.02 U	0.12 U
n-Butylbenzene	0.20 U	1.1 U

N/A - Not Applicable
U - The analyte was analyzed for but not detected at the sample specific level reported.

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Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Room 118**
Case: **N/A** SDG: **N/A**
Matrix: **Air**

Lab Code: **MA00030**
ETR: **0706154**
Lab ID: **0706154-05**
Associated Blank: **VA071107B27**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	06/30/07	250	250	1	JEG

Parameter	Raw Amount ppbv	Result µg/m³
Dichlorodifluoromethane	**0.48**	**2.4**
Chloromethane	0.04 U	0.08 U
Vinyl chloride	0.02 U	0.05 U
Chloroethane	0.02 U	0.05 U
Acetone	**4.4**	**10**
Trichlorofluoromethane	**0.24**	**1.3**
Acrylonitrile	0.50 U	1.1 U
1,1-Dichloroethene	0.02 U	0.08 U
Methylene chloride	**2.2**	**7.6**
trans-1,2-Dichloroethene	0.02 U	0.08 U
1,1-Dichloroethane	0.02 U	0.08 U
MTBE	**0.02**	**0.07**
2-Butanone	0.20 U	0.59 U
cis-1,2-Dichloroethene	0.02 U	0.08 U
Chloroform	**0.02**	**0.12**
1,2-Dichloroethane	0.02 U	0.08 U
1,1,1-Trichloroethane	0.02 U	0.11 U
Benzene	**0.12**	**0.39**
Carbon tetrachloride	**0.09**	**0.53**
1,2-Dichloropropane	0.02 U	0.09 U
Bromodichloromethane	0.02 U	0.13 U
Trichloroethene	**0.02**	**0.11**
cis-1,3-Dichloropropene	0.02 U	0.09 U
4-Methyl-2-pentanone	0.50 U	2.0 U
trans-1,3-Dichloropropene	0.02 U	0.09 U
1,1,2-Trichloroethane	0.02 U	0.11 U
Toluene	**0.62**	**2.3**
Dibromochloromethane	0.02 U	0.17 U
1,2-Dibromoethane	0.02 U	0.15 U
Tetrachloroethene	**0.02**	**0.14**
1,1,1,2-Tetrachloroethane	0.02 U	0.14 U
Chlorobenzene	0.02 U	0.09 U
Ethylbenzene	**0.12**	**0.52**
p+m-Xylene	**0.41**	**1.8**
Bromoform	0.02 U	0.21 U
Styrene	**0.03**	**0.11**

Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Room 118**
Case: **N/A** SDG: **N/A**
Matrix: **Air**

Lab Code: **MA00030**
ETR: **0706154**
Lab ID: **0706154-05**
Associated Blank: **VA071107B27**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	06/30/07	250	250	1	JEG

Parameter	Raw Amount ppbv	Result µg/m³
1,1,2,2-Tetrachloroethane	0.02 U	0.14 U
o-Xylene	**0.12**	**0.50**
Isopropylbenzene	0.50 U	2.5 U
1,3,5-Trimethylbenzene	**0.16**	**0.77**
1,2,4-Trimethylbenzene	**0.30**	**1.5**
1,3-Dichlorobenzene	0.02 U	0.12 U
1,4-Dichlorobenzene	**0.05**	**0.28**
sec-Butylbenzene	0.50 U	2.5 U
p-Isopropyltoluene	0.04 U	0.22 U
1,2-Dichlorobenzene	0.02 U	0.12 U
n-Butylbenzene	0.20 U	1.1 U

N/A - Not Applicable
U - The analyte was analyzed for but not detected at the sample specific level reported.

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Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Room 110**
Case: **N/A** SDG: **N/A**
Matrix: **Air**

Lab Code: **MA00030**
ETR: **0706154**
Lab ID: **0706154-06**
Associated Blank: **VA071107B27**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	06/30/07	250	250	1	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
Dichlorodifluoromethane	**0.43**		**2.1**	
Chloromethane	**0.64**		**1.3**	
Vinyl chloride	0.02	U	0.05	U
Chloroethane	0.02	U	0.05	U
Acetone	**30**		**72**	
Trichlorofluoromethane	**0.22**		**1.2**	
Acrylonitrile	0.50	U	1.1	U
1,1-Dichloroethene	0.02	U	0.08	U
Methylene chloride	**2.3**		**8.0**	
trans-1,2-Dichloroethene	0.02	U	0.08	U
1,1-Dichloroethane	0.02	U	0.08	U
MTBE	0.02	U	0.07	U
2-Butanone	**170**	E	**510**	E
cis-1,2-Dichloroethene	0.02	U	0.08	U
Chloroform	**0.03**		**0.14**	
1,2-Dichloroethane	0.02	U	0.08	U
1,1,1-Trichloroethane	0.02	U	0.11	U
Benzene	**0.10**		**0.32**	
Carbon tetrachloride	**0.08**		**0.50**	
1,2-Dichloropropane	0.02	U	0.09	U
Bromodichloromethane	0.02	U	0.13	U
Trichloroethene	**0.02**		**0.12**	
cis-1,3-Dichloropropene	0.02	U	0.09	U
4-Methyl-2-pentanone	0.50	U	2.0	U
trans-1,3-Dichloropropene	0.02	U	0.09	U
1,1,2-Trichloroethane	0.02	U	0.11	U
Toluene	**0.42**		**1.6**	
Dibromochloromethane	0.02	U	0.17	U
1,2-Dibromoethane	0.02	U	0.15	U
Tetrachloroethene	0.02	U	0.14	U
1,1,1,2-Tetrachloroethane	0.02	U	0.14	U
Chlorobenzene	0.02	U	0.09	U
Ethylbenzene	**0.05**		**0.21**	
p+m-Xylene	**0.14**		**0.61**	
Bromoform	0.02	U	0.21	U
Styrene	**0.02**		**0.09**	

Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Room 110**
Case: **N/A** SDG: **N/A**
Matrix: **Air**

Lab Code: **MA00030**
ETR: **0706154**
Lab ID: **0706154-06**
Associated Blank: **VA071107B27**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	06/30/07	250	250	1	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
1,1,2,2-Tetrachloroethane	0.02	U	0.14	U
o-Xylene	**0.05**		**0.21**	
Isopropylbenzene	0.50	U	2.5	U
1,3,5-Trimethylbenzene	**0.07**		**0.34**	
1,2,4-Trimethylbenzene	**0.11**		**0.53**	
1,3-Dichlorobenzene	0.02	U	0.12	U
1,4-Dichlorobenzene	**0.04**		**0.26**	
sec-Butylbenzene	0.50	U	2.5	U
p-Isopropyltoluene	0.04	U	0.22	U
1,2-Dichlorobenzene	0.02	U	0.12	U
n-Butylbenzene	0.20	U	1.1	U

N/A - Not Applicable
E - Estimated value, exceeds the upper limit of calibration.
U - The analyte was analyzed for but not detected at the sample specific level reported.

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Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Room 110**
Case: **N/A** SDG: **N/A**
Matrix: **Air**

Lab Code: **MA00030**
ETR: **0706154**
Lab ID: **0706154-06E**
Associated Blank: **VA071107B27**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	06/30/07	25	250	10	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
Dichlorodifluoromethane	0.20	U	0.99	U
Chloromethane	0.40	U	0.83	U
Vinyl chloride	0.20	U	0.51	U
Chloroethane	0.20	U	0.53	U
Acetone	10	U	24	U
Trichlorofluoromethane	0.20	U	1.1	U
Acrylonitrile	5.0	U	11	U
1,1-Dichloroethene	0.20	U	0.79	U
Methylene chloride	5.0	U	17	U
trans-1,2-Dichloroethene	0.20	U	0.79	U
1,1-Dichloroethane	0.20	U	0.81	U
MTBE	0.20	U	0.72	U
2-Butanone	**120**		**360**	
cis-1,2-Dichloroethene	0.20	U	0.79	U
Chloroform	0.20	U	0.98	U
1,2-Dichloroethane	0.20	U	0.81	U
1,1,1-Trichloroethane	0.20	U	1.1	U
Benzene	0.40	U	1.3	U
Carbon tetrachloride	0.20	U	1.3	U
1,2-Dichloropropane	0.20	U	0.92	U
Bromodichloromethane	0.20	U	1.3	U
Trichloroethene	0.20	U	1.1	U
cis-1,3-Dichloropropene	0.20	U	0.91	U
4-Methyl-2-pentanone	5.0	U	20	U
trans-1,3-Dichloropropene	0.20	U	0.91	U
1,1,2-Trichloroethane	0.20	U	1.1	U
Toluene	0.50	U	1.9	U
Dibromochloromethane	0.20	U	1.7	U
1,2-Dibromoethane	0.20	U	1.5	U
Tetrachloroethene	0.20	U	1.4	U
1,1,1,2-Tetrachloroethane	0.20	U	1.4	U
Chlorobenzene	0.20	U	0.92	U
Ethylbenzene	0.20	U	0.87	U
p+m-Xylene	0.40	U	1.7	U
Bromoform	0.20	U	2.1	U
Styrene	0.20	U	0.85	U

Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Room 110**
Case: **N/A** SDG: **N/A**
Matrix: **Air**

Lab Code: **MA00030**
ETR: **0706154**
Lab ID: **0706154-06E**
Associated Blank: **VA071107B27**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	06/30/07	25	250	10	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
1,1,2,2-Tetrachloroethane	0.20	U	1.4	U
o-Xylene	0.20	U	0.87	U
Isopropylbenzene	5.0	U	25	U
1,3,5-Trimethylbenzene	0.20	U	0.98	U
1,2,4-Trimethylbenzene	0.20	U	0.98	U
1,3-Dichlorobenzene	0.20	U	1.2	U
1,4-Dichlorobenzene	0.20	U	1.2	U
sec-Butylbenzene	5.0	U	25	U
p-Isopropyltoluene	0.40	U	2.2	U
1,2-Dichlorobenzene	0.20	U	1.2	U
n-Butylbenzene	2.0	U	11	U

N/A - Not Applicable
U - The analyte was analyzed for but not detected at the sample specific level reported.

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Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Room 145 - Media Ctr**
Case: **N/A** SDG: **N/A**
Matrix: **Air**

Lab Code: **MA00030**
ETR: **0706154**
Lab ID: **0706154-07**
Associated Blank: **VA071107B27**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	06/30/07	250	250	1	JEG

Parameter	Raw Amount ppbv	Result µg/m³
Dichlorodifluoromethane	**0.44**	**2.2**
Chloromethane	0.04 U	0.08 U
Vinyl chloride	0.02 U	0.05 U
Chloroethane	0.02 U	0.05 U
Acetone	**4.9**	**12**
Trichlorofluoromethane	**0.22**	**1.2**
Acrylonitrile	0.50 U	1.1 U
1,1-Dichloroethene	0.02 U	0.08 U
Methylene chloride	**1.8**	**6.1**
trans-1,2-Dichloroethene	0.02 U	0.08 U
1,1-Dichloroethane	0.02 U	0.08 U
MTBE	0.02 U	0.07 U
2-Butanone	**6.2**	**18**
cis-1,2-Dichloroethene	0.02 U	0.08 U
Chloroform	**0.03**	**0.15**
1,2-Dichloroethane	0.02 U	0.08 U
1,1,1-Trichloroethane	0.02 U	0.11 U
Benzene	**0.10**	**0.31**
Carbon tetrachloride	**0.08**	**0.50**
1,2-Dichloropropane	0.02 U	0.09 U
Bromodichloromethane	0.02 U	0.13 U
Trichloroethene	**0.03**	**0.14**
cis-1,3-Dichloropropene	0.02 U	0.09 U
4-Methyl-2-pentanone	0.50 U	2.0 U
trans-1,3-Dichloropropene	0.02 U	0.09 U
1,1,2-Trichloroethane	0.02 U	0.11 U
Toluene	**0.47**	**1.8**
Dibromochloromethane	0.02 U	0.17 U
1,2-Dibromoethane	0.02 U	0.15 U
Tetrachloroethene	**0.02**	**0.14**
1,1,1,2-Tetrachloroethane	0.02 U	0.14 U
Chlorobenzene	0.02 U	0.09 U
Ethylbenzene	**0.06**	**0.24**
p+m-Xylene	**0.16**	**0.68**
Bromoform	0.02 U	0.21 U
Styrene	**0.03**	**0.13**

Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Room 145 - Media Ctr**
Case: **N/A** SDG: **N/A**
Matrix: **Air**

Lab Code: **MA00030**
ETR: **0706154**
Lab ID: **0706154-07**
Associated Blank: **VA071107B27**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	06/30/07	250	250	1	JEG

Parameter	Raw Amount ppbv	Result µg/m³
1,1,2,2-Tetrachloroethane	0.02 U	0.14 U
o-Xylene	**0.07**	**0.29**
Isopropylbenzene	0.50 U	2.5 U
1,3,5-Trimethylbenzene	**0.21**	**1.0**
1,2,4-Trimethylbenzene	**0.31**	**1.5**
1,3-Dichlorobenzene	0.02 U	0.12 U
1,4-Dichlorobenzene	**0.03**	**0.20**
sec-Butylbenzene	0.50 U	2.5 U
p-Isopropyltoluene	0.04 U	0.22 U
1,2-Dichlorobenzene	0.02 U	0.12 U
n-Butylbenzene	0.20 U	1.1 U

N/A - Not Applicable
U - The analyte was analyzed for but not detected at the sample specific level reported.

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Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Room 152**
Case: **N/A** SDG: **N/A**
Matrix: **Air**

Lab Code: **MA00030**
ETR: **0706154**
Lab ID: **0706154-08**
Associated Blank: **VA071107B27**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	06/30/07	250	250	1	JEG

Parameter	Raw Amount ppbv	Result µg/m³
Dichlorodifluoromethane	**0.43**	**2.1**
Chloromethane	**0.54**	**1.1**
Vinyl chloride	0.02 U	0.05 U
Chloroethane	0.02 U	0.05 U
Acetone	**5.5**	**13**
Trichlorofluoromethane	**0.22**	**1.2**
Acrylonitrile	0.50 U	1.1 U
1,1-Dichloroethene	0.02 U	0.08 U
Methylene chloride	**2.0**	**7.0**
trans-1,2-Dichloroethene	0.02 U	0.08 U
1,1-Dichloroethane	0.02 U	0.08 U
MTBE	0.02 U	0.07 U
2-Butanone	**0.56**	**1.6**
cis-1,2-Dichloroethene	0.02 U	0.08 U
Chloroform	**0.02**	**0.12**
1,2-Dichloroethane	0.02 U	0.08 U
1,1,1-Trichloroethane	0.02 U	0.11 U
Benzene	**0.10**	**0.33**
Carbon tetrachloride	**0.08**	**0.48**
1,2-Dichloropropane	0.02 U	0.09 U
Bromodichloromethane	0.02 U	0.13 U
Trichloroethene	0.02 U	0.11 U
cis-1,3-Dichloropropene	0.02 U	0.09 U
4-Methyl-2-pentanone	0.50 U	2.0 U
trans-1,3-Dichloropropene	0.02 U	0.09 U
1,1,2-Trichloroethane	0.02 U	0.11 U
Toluene	**0.61**	**2.3**
Dibromochloromethane	0.02 U	0.17 U
1,2-Dibromoethane	0.02 U	0.15 U
Tetrachloroethene	**0.02**	**0.14**
1,1,1,2-Tetrachloroethane	0.02 U	0.14 U
Chlorobenzene	0.02 U	0.09 U
Ethylbenzene	**0.10**	**0.46**
p+m-Xylene	**0.33**	**1.4**
Bromoform	0.02 U	0.21 U
Styrene	**0.04**	**0.17**

Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Room 152**
Case: **N/A** SDG: **N/A**
Matrix: **Air**

Lab Code: **MA00030**
ETR: **0706154**
Lab ID: **0706154-08**
Associated Blank: **VA071107B27**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	06/30/07	250	250	1	JEG

Parameter	Raw Amount ppbv	Result µg/m³
1,1,2,2-Tetrachloroethane	0.02 U	0.14 U
o-Xylene	**0.12**	**0.52**
Isopropylbenzene	0.50 U	2.5 U
1,3,5-Trimethylbenzene	**0.47**	**2.3**
1,2,4-Trimethylbenzene	**0.76**	**3.8**
1,3-Dichlorobenzene	0.02 U	0.12 U
1,4-Dichlorobenzene	**0.04**	**0.25**
sec-Butylbenzene	0.50 U	2.5 U
p-Isopropyltoluene	0.04 U	0.22 U
1,2-Dichlorobenzene	0.02 U	0.12 U
n-Butylbenzene	0.20 U	1.1 U

N/A - Not Applicable
U - The analyte was analyzed for but not detected at the sample specific level reported.

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Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Ambient Outdoor Air**
Case: **N/A** SDG: **N/A**
Matrix: **Air**

Lab Code: **MA00030**
ETR: **0706154**
Lab ID: **0706154-09**
Associated Blank: **VA071107B27**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	06/30/07	250	250	1	JEG

Parameter	Raw Amount ppbv	Result µg/m³
Dichlorodifluoromethane	**0.44**	**2.2**
Chloromethane	0.04 U	0.08 U
Vinyl chloride	0.02 U	0.05 U
Chloroethane	0.02 U	0.05 U
Acetone	**5.4**	**13**
Trichlorofluoromethane	**0.21**	**1.2**
Acrylonitrile	0.50 U	1.1 U
1,1-Dichloroethene	0.02 U	0.08 U
Methylene chloride	**1.9**	**6.7**
trans-1,2-Dichloroethene	0.02 U	0.08 U
1,1-Dichloroethane	0.02 U	0.08 U
MTBE	0.02 U	0.07 U
2-Butanone	**12**	**36**
cis-1,2-Dichloroethene	0.02 U	0.08 U
Chloroform	**0.02**	**0.10**
1,2-Dichloroethane	0.02 U	0.08 U
1,1,1-Trichloroethane	0.02 U	0.11 U
Benzene	**0.09**	**0.28**
Carbon tetrachloride	**0.08**	**0.50**
1,2-Dichloropropane	0.02 U	0.09 U
Bromodichloromethane	0.02 U	0.13 U
Trichloroethene	**0.04**	**0.23**
cis-1,3-Dichloropropene	0.02 U	0.09 U
4-Methyl-2-pentanone	0.50 U	2.0 U
trans-1,3-Dichloropropene	0.02 U	0.09 U
1,1,2-Trichloroethane	0.02 U	0.11 U
Toluene	**0.24**	**0.92**
Dibromochloromethane	0.02 U	0.17 U
1,2-Dibromoethane	0.02 U	0.15 U
Tetrachloroethene	0.02 U	0.14 U
1,1,1,2-Tetrachloroethane	0.02 U	0.14 U
Chlorobenzene	0.02 U	0.09 U
Ethylbenzene	**0.04**	**0.18**
p+m-Xylene	**0.11**	**0.49**
Bromoform	0.02 U	0.21 U
Styrene	0.02 U	0.09 U

Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Ambient Outdoor Air**
Case: **N/A** SDG: **N/A**
Matrix: **Air**

Lab Code: **MA00030**
ETR: **0706154**
Lab ID: **0706154-09**
Associated Blank: **VA071107B27**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	06/30/07	250	250	1	JEG

Parameter	Raw Amount ppbv	Result µg/m³
1,1,2,2-Tetrachloroethane	0.02 U	0.14 U
o-Xylene	**0.04**	**0.15**
Isopropylbenzene	0.50 U	2.5 U
1,3,5-Trimethylbenzene	0.02 U	0.10 U
1,2,4-Trimethylbenzene	**0.04**	**0.19**
1,3-Dichlorobenzene	0.02 U	0.12 U
1,4-Dichlorobenzene	**0.06**	**0.34**
sec-Butylbenzene	0.50 U	2.5 U
p-Isopropyltoluene	0.04 U	0.22 U
1,2-Dichlorobenzene	0.02 U	0.12 U
n-Butylbenzene	0.20 U	1.1 U

N/A - Not Applicable
U - The analyte was analyzed for but not detected at the sample specific level reported.

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Blank
Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Blank**
Case: **N/A** SDG: **N/A**
Matrix: **Air**

Lab Code: **MA00030**
ETR: **0706154**
Lab ID: **VA071107B27**
Associated Blank: **N/A**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	06/30/07	250	250	1	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
Dichlorodifluoromethane	0.02	U	0.10	U
Chloromethane	0.04	U	0.08	U
Vinyl chloride	0.02	U	0.05	U
Chloroethane	0.02	U	0.05	U
Acetone	1.0	U	2.4	U
Trichlorofluoromethane	0.02	U	0.11	U
Acrylonitrile	0.50	U	1.1	U
1,1-Dichloroethene	0.02	U	0.08	U
Methylene chloride	0.50	U	1.7	U
trans-1,2-Dichloroethene	0.02	U	0.08	U
1,1-Dichloroethane	0.02	U	0.08	U
MTBE	0.02	U	0.07	U
2-Butanone	0.20	U	0.59	U
cis-1,2-Dichloroethene	0.02	U	0.08	U
Chloroform	0.02	U	0.10	U
1,2-Dichloroethane	0.02	U	0.08	U
1,1,1-Trichloroethane	0.02	U	0.11	U
Benzene	0.04	U	0.13	U
Carbon tetrachloride	0.02	U	0.13	U
1,2-Dichloropropane	0.02	U	0.09	U
Bromodichloromethane	0.02	U	0.13	U
Trichloroethene	0.02	U	0.11	U
cis-1,3-Dichloropropene	0.02	U	0.09	U
4-Methyl-2-pentanone	0.50	U	2.0	U
trans-1,3-Dichloropropene	0.02	U	0.09	U
1,1,2-Trichloroethane	0.02	U	0.11	U
Toluene	0.05	U	0.19	U
Dibromochloromethane	0.02	U	0.17	U
1,2-Dibromoethane	0.02	U	0.15	U
Tetrachloroethene	0.02	U	0.14	U
1,1,1,2-Tetrachloroethane	0.02	U	0.14	U
Chlorobenzene	0.02	U	0.09	U
Ethylbenzene	0.02	U	0.09	U
p+m-Xylene	0.04	U	0.17	U
Bromoform	0.02	U	0.21	U
Styrene	0.02	U	0.09	U

Blank
Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Blank**
Case: **N/A** SDG: **N/A**
Matrix: **Air**

Lab Code: **MA00030**
ETR: **0706154**
Lab ID: **VA071107B27**
Associated Blank: **N/A**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	06/30/07	250	250	1	JEG

Parameter	Raw Amount ppbv	Result µg/m³
1,1,2,2-Tetrachloroethane	0.02 U	0.14 U
o-Xylene	0.02 U	0.09 U
Isopropylbenzene	0.50 U	2.5 U
1,3,5-Trimethylbenzene	0.02 U	0.10 U
1,2,4-Trimethylbenzene	0.02 U	0.10 U
1,3-Dichlorobenzene	0.02 U	0.12 U
1,4-Dichlorobenzene	0.02 U	0.12 U
sec-Butylbenzene	0.50 U	2.5 U
p-Isopropyltoluene	0.04 U	0.22 U
1,2-Dichlorobenzene	0.02 U	0.12 U
n-Butylbenzene	0.20 U	1.1 U

N/A - Not Applicable
U - The analyte was analyzed for but not detected at the sample specific level reported.

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Laboratory Control Summary
Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Laboratory Control Sample**
Case: **N/A** SDG: **N/A**
Matrix: **Air**

Lab Code: **MA00030**
ETR: **0706154**
Lab ID: **See Below**
Associated Blank: **VA071107B27**
Concentration Units: **µg/m³**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	06/30/07	250	250	1	JEG

	VA071107B27		VA071107LCS13		
Parameter	Blank Conc.		LCS Conc.	LCS % Recovery	% Recovery Limits
Dichlorodifluoromethane	0.10	U	28	111	70-130
Chloromethane	0.08	U	11	104	70-130
Vinyl chloride	0.05	U	13	103	70-130
Chloroethane	0.05	U	12	90	70-130
Acetone	2.4	U	10	87	70-130
Trichlorofluoromethane	0.11	U	28	98	70-130
Acrylonitrile	1.1	U	9.7	89	70-130
1,1-Dichloroethene	0.08	U	19	95	70-130
Methylene chloride	1.7	U	15	86	70-130
trans-1,2-Dichloroethene	0.08	U	18	90	70-130
1,1-Dichloroethane	0.08	U	18	91	70-130
MTBE	0.07	U	15	85	70-130
2-Butanone	0.59	U	14	96	70-130
cis-1,2-Dichloroethene	0.08	U	19	96	70-130
Chloroform	0.10	U	24	98	70-130
1,2-Dichloroethane	0.08	U	17	85	70-130
1,1,1-Trichloroethane	0.11	U	29	106	70-130
Benzene	0.13	U	13	79	70-130
Carbon tetrachloride	0.13	U	32	101	70-130
1,2-Dichloropropane	0.09	U	21	91	70-130
Bromodichloromethane	0.13	U	33	99	70-130
Trichloroethene	0.11	U	27	102	70-130
cis-1,3-Dichloropropene	0.09	U	23	101	70-130
4-Methyl-2-pentanone	2.0	U	24	115	70-130
trans-1,3-Dichloropropene	0.09	U	20	88	70-130
1,1,2-Trichloroethane	0.11	U	26	97	70-130
Toluene	0.19	U	14	75	70-130
Dibromochloromethane	0.17	U	42	98	70-130
1,2-Dibromoethane	0.15	U	33	87	70-130
Tetrachloroethene	0.14	U	31	92	70-130
1,1,1,2-Tetrachloroethane	0.14	U	30	88	70-130
Chlorobenzene	0.09	U	19	84	70-130
Ethylbenzene	0.09	U	19	88	70-130

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Laboratory Control Summary
Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Laboratory Control Sample**
Case: **N/A** SDG: **N/A**
Matrix: **Air**

Lab Code: **MA00030**
ETR: **0706154**
Lab ID: **See Below**
Associated Blank: **VA071107B27**
Concentration Units: **µg/m³**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	06/30/07	250	250	1	JEG

	VA071107B27		VA071107LCS13		
Parameter	Blank Conc.		LCS Conc.	LCS % Recovery	% Recovery Limits
p+m-Xylene	0.17	U	42	97	70-130
Bromoform	0.21	U	53	103	70-130
Styrene	0.09	U	18	86	70-130
1,1,2,2-Tetrachloroethane	0.14	U	30	86	70-130
o-Xylene	0.09	U	19	87	70-130
Isopropylbenzene	2.5	U	22	90	70-130
1,3,5-Trimethylbenzene	0.10	U	22	89	70-130
1,2,4-Trimethylbenzene	0.10	U	22	92	70-130
1,3-Dichlorobenzene	0.12	U	27	89	70-130
1,4-Dichlorobenzene	0.12	U	27	89	70-130
sec-Butylbenzene	2.5	U	23	95	70-130
p-Isopropyltoluene	0.22	U	24	86	70-130
1,2-Dichlorobenzene	0.12	U	27	91	70-130
n-Butylbenzene	1.1	U	24	89	70-130

N/A - Not Applicable
U - The analyte was analyzed for but not detected at the sample specific level reported.

Concentrations reported as calculated values, which includes rounding for significant figures. Percent recoveries and RPD values are calculated from the unrounded result.

07/13/07 13:45

Duplicate
Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Cafeteria**
Case: **N/A** SDG: **N/A**
Matrix: **Air**

Lab Code: **MA00030**
ETR: **0706154**
Lab ID: **0706154-02**
Associated Blank: **VA071107B27**
Concentration Units: **µg/m³**

Date Collected	Date Received	Analyst
06/29/07	06/29/07	JEG

Parameter	Sample Result	Duplicate Result	RPD	RPD Limit
Dichlorodifluoromethane	**2.4**	**2.3**	4	25
Chloromethane	**2.3**	**2.1**	0	25
Vinyl chloride	0.05 U	0.05 U	N/A	25
Chloroethane	0.05 U	0.05 U	N/A	25
Acetone	**15**	**15**	2	25
Trichlorofluoromethane	**1.3**	**1.2**	1	25
Acrylonitrile	1.1 U	1.1 U	N/A	25
1,1-Dichloroethene	0.08 U	0.08 U	N/A	25
Methylene chloride	**6.7**	**6.7**	0	25
trans-1,2-Dichloroethene	0.08 U	0.08 U	N/A	25
1,1-Dichloroethane	0.08 U	0.08 U	N/A	25
MTBE	0.07 U	**0.11**	X	25
2-Butanone	**4.4**	**4.5**	2	25
cis-1,2-Dichloroethene	0.08 U	0.08 U	N/A	25
Chloroform	0.10 U	**0.13**	X	25
1,2-Dichloroethane	0.08 U	0.08 U	N/A	25
1,1,1-Trichloroethane	0.11 U	0.11 U	N/A	25
Benzene	**0.33**	**0.33**	1	25
Carbon tetrachloride	**0.51**	**0.50**	1	25
1,2-Dichloropropane	0.09 U	**0.09**	X	25
Bromodichloromethane	0.13 U	0.13 U	N/A	25
Trichloroethene	0.11 U	0.11 U	N/A	25
cis-1,3-Dichloropropene	0.09 U	0.09 U	N/A	25
4-Methyl-2-pentanone	2.0 U	2.0 U	N/A	25
trans-1,3-Dichloropropene	0.09 U	0.09 U	N/A	25
1,1,2-Trichloroethane	0.11 U	0.11 U	N/A	25
Toluene	**5.6**	**5.4**	4	25
Dibromochloromethane	0.17 U	0.17 U	N/A	25
1,2-Dibromoethane	0.15 U	0.15 U	N/A	25
Tetrachloroethene	0.14 U	**0.15**	X	25
1,1,1,2-Tetrachloroethane	0.14 U	0.14 U	N/A	25
Chlorobenzene	0.09 U	0.09 U	N/A	25
Ethylbenzene	**3.2**	**3.1**	2	25
p+m-Xylene	**11**	**10**	2	25
Bromoform	0.21 U	0.21 U	N/A	25

N/A - Not Applicable
X - It is not possible to calculate RPD, one result is below the detection limit, the other is above reporting limit.
U - The analyte was analyzed for but not detected at the sample specific level reported.

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Duplicate
Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Cafeteria**
Case: **N/A** SDG: **N/A**
Matrix: **Air**

Lab Code: **MA00030**
ETR: **0706154**
Lab ID: **0706154-02**
Associated Blank: **VA071107B27**
Concentration Units: **µg/m³**

Date Collected	Date Received	Analyst
06/29/07	06/29/07	JEG

Parameter	Sample Result	Duplicate Result	RPD	RPD Limit
Styrene	**0.29**	**0.28**	2	25
1,1,2,2-Tetrachloroethane	0.14 U	0.14 U	N/A	25
o-Xylene	**2.9**	**2.9**	2	25
Isopropylbenzene	2.5 U	2.5 U	N/A	25
1,3,5-Trimethylbenzene	**5.8**	**5.7**	2	25
1,2,4-Trimethylbenzene	**9.8**	**9.6**	3	25
1,3-Dichlorobenzene	0.12 U	0.12 U	N/A	25
1,4-Dichlorobenzene	**0.31**	**0.29**	4	25
sec-Butylbenzene	2.5 U	2.5 U	N/A	25
p-Isopropyltoluene	0.22 U	0.22 U	N/A	25
1,2-Dichlorobenzene	0.12 U	0.12 U	N/A	25
n-Butylbenzene	1.1 U	1.1 U	N/A	25

N/A - Not Applicable
U - The analyte was analyzed for but not detected at the sample specific level reported.

Concentrations reported as calculated values, which includes rounding for significant figures. RPD values are reported based on the unrounded calculated result.

07/13/07 13:38

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Date Rec'd in Lab:

ALPHA Job #: 0706154

Client Information

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

☒ These samples have been previously analyzed by Alpha

Project Information

Project Name: Adelaide Ave School
Project Location: Providence, RI
Project #: 6196501-1005
Project Manager: Peter Grivers
ALPHA Quote #:

Turn-Around Time

☒ Standard
5 DAYS
TO-13: 10 DAYS
☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker: Client/Project Specific
(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	Draft Proposed Res. Target air Concentrations	

Other Project Specific Requirements/Comments:

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Start Time	Collection End Time	Sample Matrix	Sampler's Initials	ID Can	ID - Flow Controller	TO-14A	TO-15	TO-15 SIM	APH	DISSOLVED GASES	FIXED GASES	TO-13A	TO-15 SULFIDES/MERCAPTANS	DISS GASES CO2 ONLY	TO-4/TO-10	Sample Comments (i.e. PID)
-1	Gym	6-29-07	0733	0803	A	DA	352	0280		X									PID = 0.161 ppm
-2	Cafeteria		0735	0805			383	0156											PID = 0.105 ppm
-3	Kitchen Storage Room		0737	0807			466	158											PID = 0.130 ppm
-4	Elevator Hallway		0749	0819			345	0148											PID = 0.128 ppm
-5	Room 118		0745	0815			419	0169											PID = 0.009 ppm
-6	Room 110		0747	0817			113	0150											PID = 0.006 ppm
-7	Room 145 - Media Ctr.		0755	0825			207	0153											PID = 0.004 ppm
-8	Room 152		0757	0827			528	0155											PID = 0.015 ppm
-9	Ambient Outdoor Air		0750	0820			149	0275											PID = 0.010 ppm

Shaded Gray Areas For Lab Use Only

Container Type: CS

Relinquished By:	Date/Time	Received By:	Date/Time:
	6/29/07 1545		6/29/07 1545

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.

Form No: 01-03 (rev. 28-NOV-06)

Certificate/Approval Program Summary

Method numbers assume the most recent EPA revisions. For a complete listing of analytes for the referenced methods please contact your Alpha Woods Hole Lab Project Manager or the Quality Assurance Manager.

Connecticut Department of Public Health Certificate/Lab ID : PH-0141 - *Wastewater* (General Chemistry: EPA 120.1, 150.1, 160.1, 160.2, 180.1, 300.0, 310.1, 335.2, 365.2; Metals: 200.8, 245.1; Organics: 608, 624, 625, ETPH) *Solid Waste/Soil* (General Chemistry: 1010, 9010/9014, 9045, 9060; Metals: 6020, 7470, 7471; Organics: 8081, 8082, 8260, 8270, ETPH).

Florida Department of Health Certificate/Lab ID : E87814 - Primary NELAP Accreditation Authority for Air & Emissions. Secondary NELAP Accreditation for Wastwater and Solid & Hazardous Waste. *Wastewater* (General Chemistry: EPA 120.1/SM2510B, 150.1, 160.1/SM2540C, 160.2/SM2540D, 180.1, 300.0, 335.2, 365.2, SM2320B, SM2340B, SM2540G, SM4500NH3; Metals: 245.1; Organics: 608, 624, 625). *Solid and Hazardous Waste* (General Chemistry: 9010/9014, 9045, 9050, 9056, 9065, Reactivity 7.3; Metals: 6020, 7470, 7471; Organics: 8081, 8082, 8260, 8270). *Air & Emissions* (Organics: EPA TO-15).

Louisiana Department of Environmental Quality Certificate/Lab ID : 03090 - Primary NELAP Accrediting Authority for Wastewater, Solid & Hazardous Waste. *Wastewater* (General Chemistry: EPA 120.1/SM2510B, 150.1, 160.1/SM2540C, 160.2/SM2540D, 180.1, 300.0, 310.1/SM2320B, 335.2, 365.2, 376.2, 9010/9014, 9056, SM2540G; Metals: 200.8, 245.1, 6020; Organics: 608, 624, 625, 8015-DRO/GRO, 8081, 8082, 8260, 8270). *Solid and Hazardous Waste* (General Chemistry: 1010, 1311, 9010/9014, 9040, 9045, 9056, 9060, Reactivity 7.3; Metals: 6020, 7196, 7470, 7471; Organics: 8015-DRO/GRO, 8081, 8082, 8260, 8270).

Maine Department of Human Services Certificate/Lab ID : MA0030 - *Wastewater* (General Chemistry: EPA 120.1/ SM2510B, 160.1/SM2540C, 160.2/SM2540D, 300.0, 310.1/SM2320B, 335.2, 365.2; Metals: EPA 245.1; Organics: 608, 624).

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA030 - *Wastewater* (General Chemistry: EPA 120.1/SM2510B, 150.1, 160.1/SM2540C, 160.2/SM2540D, 300.0, 310.1/SM2320B, 335.2, 365.2; Metals: EPA 245.1; Organics: EPA 608, 624).

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206 - Secondary NELAP Accreditation. *Wastewater* (General Chemistry: EPA 120.1/SM2510B, 150.1, 160.1/SM2540C, 160.2/SM2540D, 180.1, 300.0, 310.1/SM2320B, 335.2, 365.2, 376.2, SM2540G; Metals: 200.8, 245.4; Organics: 608, 624, 625).

New Jersey Department of Environmental Protection Certificate/Lab ID : MA015 - Secondary NELAP Accreditation. *Wastewater* (General Chemistry: EPA 120.1/SM2510B, 150.1, 160.1/SM2540C, 160.2/SM2540D, 180.1, 300.0, 310.1/SM2320B, 335.2, 376.2, 9010/9014, 9056, SM2540G; Metals: 200.8, 245.1 6020; Organics: 608, 624, 625, 8081, 8082, 8260, 8270). *Solid & Hazardous Waste* (General Chemistry: EPA 1010, 1311, 9010/9014, 9040, 9045, 9056, 9060; Metals: 6020, 7196, 7470, 7471; Organics: 8015-DRO/GRO, 8081, 8082, 8260, 8270). *Air & Emissions* (Organics: EPA TO-15).

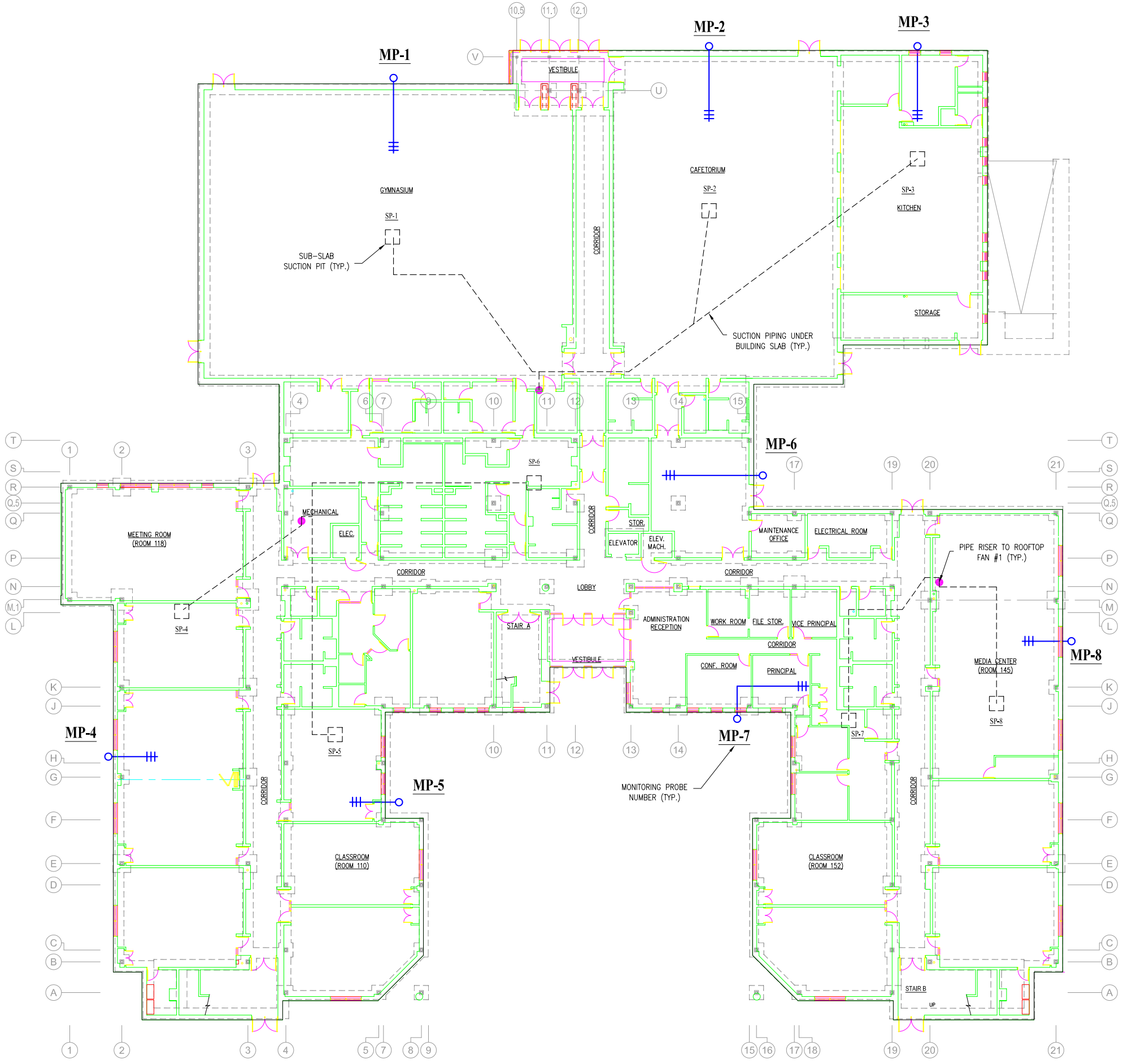
New York Department of Health Certificate/Lab ID : 11627 - Secondary NELAP Accreditation. *Wastewater* (General Chemistry: EPA 120.1/SM2510B, 150.1, 160.1/SM2540C, 160.2/SM2540D, 300.0, 310.1/SM2320B, 365.2, 376.2; Metals: 245.1; Organics: 608, 624, 625). *Solid and Hazardous Waste* (General Chemistry: EPA 1010, 1311; : 245.1; 6020, 7041; Organics: 8081, 8082, 8260, 8270). *Air & Emissions* (Organics: EPA TO-15).

Rhode Island Department of Health Certificate/Lab ID : LAO00289 - Chemistry: *Organic and Inorganic in Non-Poratable Water, Wastewater/Sewage and Soil* (Refer to LADEQ and MADEP certificates for method numbers.)

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

U.S. Army Corps of Engineers

Department of the Navy



PROJECT NORTH

DESIGNED BY	DRAWN BY	DATE	PROJECT NO.	FILE NAME
PMG	DMA	MAY 7 2007	61965.01	ATT 5-7-07
CHECKED BY	PROJECT MGR.	SCALE	DRAWING NO.	FIGURE
PMG	PMG	NTS	–	N/A

SUB SLAB MONITORING AND SAMPLING LOCATIONS
ADELAIDE AVE HIGH SCHOOL
PROVIDENCE, RHODE ISLAND

LETTER ATTACHMENT FIGURE

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

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
1,1,1,2-Tetrachloroethane	15-Mar-07	620	U	590	U	590	U	600	U	580	U	240	U	91	U	260	U
	22-Mar-07	85.7	U	85.7	U	85.7	U	85.7	U	85.7	U	85.7	U	85.7	U	34.3	U
	26-Apr-07	34.3	U	34.3	U	34.3	U	34.3	U	34.3	U	34.3	U	34.3	U	34.3	U
	21-May-07	62.4	U	34.3	U	34.3	U	60.4	U	34.3	U	34.3	U	3.43	U	34.3	U
	29-Jun-07	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U	1.4	U	0.69	U	0.69	U
1,1,2,2-Tetrachloroethane	15-Mar-07	620	U	590	U	590	U	600	U	580	U	240	U	91	U	260	U
	22-Mar-07	85.7	U	85.7	U	85.7	U	85.7	U	85.7	U	85.7	U	85.7	U	34.3	U
	26-Apr-07	34.3	U	34.3	U	34.3	U	34.3	U	34.3	U	34.3	U	34.3	U	34.3	U
	21-May-07	62.4	U	34.3	U	34.3	U	60.4	U	34.2	U	34.3	U	3.43	U	34.3	U
	29-Jun-07	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U	1.4	U	0.69	U	0.69	U
1,1,2-Trichloroethane	15-Mar-07	490	U	470	U	470	U	470	U	460	U	190	U	72	U	200	U
	22-Mar-07	68.1	U	68.1	U	68.1	U	68.1	U	68.1	U	68.1	U	68.1	U	27.2	U
	26-Apr-07	27.2	U	27.2	U	27.2	U	27.2	U	27.2	U	27.2	U	27.2	U	27.2	U
	21-May-07	36.8	U	27.2	U	27.2	U	48.0	U	27.2	U	27.2	U	2.72	U	27.2	U
	29-Jun-07	0.55	U	0.55	U	0.55	U	0.55	U	0.55		1.1	U	0.55	U	0.55	U
1,1-Dichloroethene	15-Mar-07	360	U	340	U	340	U	350	U	340	U	140	U	53	U	150	U
	22-Mar-07	49.5	U	49.5	U	49.5	U	49.5	U	49.5	U	49.5	U	49.5	U	19.8	U
	26-Apr-07	19.8	U	19.8	U	19.8	U	19.8	U	19.8	U	19.8	U	19.8	U	19.8	U
	21-May-07	36.0	U	19.8	U	19.8	U	35.6	U	19.8	U	19.8	U	1.98	U	19.8	U
	29-Jun-07	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.79	U	0.4	U	0.4	U
1,2,4-Trimethylbenzene	15-Mar-07	440	U	420	U	420	U	430	U	420	U	170	U	65	U	180	U
	22-Mar-07	61.4	U	61.4	U	61.4	U	61.4	U	61.4	U	61.4	U	61.4	U	24.6	U
	26-Apr-07	24.6	U	24.6	U	24.6	U	24.6	U	24.6	U	24.6	U	24.6	U	24.6	U
	21-May-07	44.7	U	24.6	U	24.6	U	43.2	U	24.6	U	24.6	U	2.46	U	24.6	U
	29-Jun-07	2.4		1.5		1.2		3.4		3.2		0.98	U	2.6		1.5	
1,2-Dibromoethane	15-Mar-07	690	U	660	U	660	U	670	U	650	U	260	U	100	U	290	U
	22-Mar-07	96	U	96	U	96	U	96	U	96	U	96	U	96	U	38.4	U
	26-Apr-07	38.4	U	38.4	U	38.4	U	38.4	U	38.4	U	38.4	U	38.4	U	38.4	U
	21-May-07	69.9	U	38.4	U	38.4	U	67.6	U	38.4	U	38.4	U	3.84	U	38.4	U
	29-Jun-07	0.77	U	0.77	U	0.77	U	0.77	U	0.77	U	1.5	U	0.77	U	0.77	U
1,2-Dichloroethane	15-Mar-07	370	U	350	U	350	U	350	U	340	U	140	U	53	U	150	U
	22-Mar-07	50.6	U	50.6	U	50.6	U	50.6	U	50.6	U	50.6	U	50.6	U	20.2	U
	26-Apr-07	20.2	U	20.2	U	20.2	U	20.2	U	20.2	U	20.2	U	20.2	U	20.2	U
	21-May-07	36.8	U	20.2	U	20.2	U	35.6	U	20.2	U	20.2	U	2.02	U	20.2	U
	29-Jun-07	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.81	U	0.4	U	0.4	U
1,2-Dichloropropane	15-Mar-07	420	U	400	U	400	U	400	U	390	U	160	U	61	U	170	U
	22-Mar-07	57.7	U	57.7	U	57.7	U	57.7	U	57.7	U	57.7	U	57.7	U	23.1	U
	26-Apr-07	23.1	U	23.1	U	23.1	U	23.1	U	23.1	U	23.1	U	23.1	U	23.1	U
	21-May-07	42.0	U	23.1	U	23.1	U	40.6	U	23.1	U	23.1	U	2.31	U	23.1	U
	29-Jun-07	0.46	U	0.46	U	0.46	U	0.46	U	0.46	U	0.92	U	0.46	U	0.46	U
1,3,5-Trimethybenzene	15-Mar-07	440	U	420	U	420	U	430	U	420	U	170	U	65	U	180	U
	22-Mar-07	61.4	U	61.4	U	61.4	U	61.4	U	61.4	U	61.4	U	61.4	U	24.6	U
	26-Apr-07	24.6	U	24.6	U	24.6	U	24.6	U	24.6	U	24.6	U	24.6	U	24.6	U
	21-May-07	44.7	U	24.6	U	24.6	U	43.2	U	24.6	U	24.6	U	2.46	U	24.6	U
	29-Jun-07	1.2		0.79		0.59		1.7		1.7		0.98	U	2.6		1.5	
1,4-Dichlorobenzene	15-Mar-07	540	U	520	U	520	U	520	U	510	U	210	U	79	U	220	U
	22-Mar-07	75.1	U	75.1	U	75.1	U	75.1	U	75.1	U	75.1	U	75.1	U	30	U
	26-Apr-07	30	U	30	U	30	U	30	U	30	U	30	U	30	U	30	U
	21-May-07	54.7	U	30	U	30	U	52.9	U	30	U	30	U	3	U	30	U
	29-Jun-07	69		58		55		68		65		39		75		61	
2-Butanone	15-Mar-07	19000000		18000000		6000000		16000000		3600000		6800000		700000		6300000	
	22-Mar-07	505000		1180000		3590000		742000		739000		5120000		51900		357000	
	26-Apr-07	26200		15100		67600		19000		22200		93000		2620		43000	
	21-May-07	29500		4360		13600		14100		15900		10700		1.47	U	10200	
	29-Jun-07	7100		6200		8300		11000		9400		21000		2200		12000	
Acetone	15-Mar-07	2000000		2400000		1300000		1900000		250000		2300000		91000		1110000	
	22-Mar-07	44100		93600		583000		55500		54700		1320000		2390		50100	
	26-Apr-07	1650		1300		14100		1390		2160		30000		188		11000	
	21-May-07	824		1210		5100		761		2390		2740		13.7		2750	
	29-Jun-07	490		410		1100		770		1000		4700		170		1600	

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

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
Benzene	15-Mar-07	290	U	280	U	280	U	280	U	270	U	110	U	42	U	120	U
	22-Mar-07	39.9	U	39.9	U	39.9	U	39.9	U	39.9	U	39.9	U	39.9	U	16	U
	26-Apr-07	16	U	16	U	16	U	16	U	16	U	16	U	16	U	16	U
	21-May-07	29.0	U	16	U	16	U	28.1	U	16	U	16	U	1.6	U	16	U
	29-Jun-07	0.69		0.64	U	0.73		0.67		0.75		1.3	U	0.83		0.7	
Bromodichloromethane	15-Mar-07	600	U	580	U	580	U	580	U	570	U	230	U	88	U	250	U
	22-Mar-07	83.7	U	83.7	U	83.7	U	83.7	U	83.7	U	83.7	U	83.7	U	33.5	U
	26-Apr-07	33.5	U	33.5	U	33.5	U	33.5	U	33.5	U	33.5	U	33.5	U	33.5	U
	21-May-07	60.9	U	33.5	U	33.5	U	58.9	U	33.5	U	33.5	U	3.35	U	33.5	U
	29-Jun-07	0.67	U	0.67	U	0.67	U	0.67	U	0.67	U	1.3	U	0.67	U	0.67	U
Bromoform	15-Mar-07	930	U	890	U	890	U	900	U	880	U	360	U	140	U	390	U
	22-Mar-07	129	U	129	U	129	U	129	U	129	U	129	U	129	U	51.6	U
	26-Apr-07	51.6	U	51.6	U	51.6	U	51.6	U	51.6	U	51.6	U	51.6	U	51.6	U
	21-May-07	94.0	U	51.6	U	51.6	U	90.9	U	51.6	U	51.6	U	5.16	U	51.6	U
	29-Jun-07	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	2.1	U	1.0	U	1.0	U
cis-1,2-Dichloroethene	15-Mar-07	360	U	340	U	340	U	340	U	340	U	140	U	52	U	150	U
	22-Mar-07	49.5	U	49.5	U	49.5	U	49.5	U	49.5	U	49.5	U	49.5	U	19.8	U
	26-Apr-07	19.8	U	19.8	U	19.8	U	19.8	U	19.8	U	19.8	U	19.8	U	19.8	U
	21-May-07	36.0	U	19.8	U	19.8	U	34.9	U	19.8	U	19.8	U	1.98	U	19.8	U
	29-Jun-07	0.5	U	0.45	U	0.45	U	0.45	U	0.45	U	0.91	U	0.45	U	0.45	U
Methylene chloride	15-Mar-07	12000	U	12000	U	12000	U	12000	U	14000		4800	U	1800	U	5200	U
	22-Mar-07	86.8	U	86.8	U	86.8	U	86.8	U	86.8	U	86.8	U	86.8	U	34.7	U
	26-Apr-07	34.7	U	34.7	U	34.7	U	34.7	U	34.7	U	34.7	U	34.7	U	69.4	
	21-May-07	63.2	U	34.7	U	34.7	U	61.1	U	34.7	U	34.7	U	3.47	U	34.7	U
	29-Jun-07	8.7	U	8.7	U	8.7	U	8.7	U	8.7	U	17	U	8.7	U	8.7	U
Tetrachloroethene	15-Mar-07	610	U	580		580	U	590	U	580	U	230	U	90	U	250	U
	22-Mar-07	84.7	U	84.7	U	84.7	U	84.7	U	84.7	U	84.7	U	84.7	U	33.9	U
	26-Apr-07	33.9	U	33.9	U	33.9	U	33.9	U	33.9	U	33.9	U	33.9	U	33.9	U
	21-May-07	61.7	U	33.9	U	33.9	U	59.6	U	33.9	U	33.9	U	3.39	U	33.9	U
	29-Jun-07	0.88		0.78		0.75		2.2		6.7		1.4	U	1.0		0.68	
Trichloroethene	15-Mar-07	480	U	460	U	460	U	470	U	460	U	180	U	71	U	200	U
	22-Mar-07	67.1	U	67.1	U	67.1	U	67.1	U	67.1	U	67.1	U	67.1	U	26.8	U
	26-Apr-07	26.8	U	26.8	U	26.8	U	26.8	U	26.8	U	26.8	U	26.8	U	26.8	U
	21-May-07	48.9	U	26.8	U	26.8	U	47.2	U	26.8	U	26.8	U	2.68	U	26.8	U
	29-Jun-07	0.54	U	0.54	U	0.54	U	22		100		1.1	U	0.62		0.54	U
Toluene	15-Mar-07	850	U	810	U	810	U	820	U	800	U	320	U	120	U	350	U
	22-Mar-07	47.1	U	47.1	U	47.1	U	47.1	U	47.1	U	47.1	U	47.1	U	18.8	U
	26-Apr-07	18.8	U	18.8	U	18.8	U	18.8	U	18.8	U	18.8	U	18.8	U	18.8	U
	21-May-07	34.3	U	26.2		18.8	U	57.3		47.4		18.8	U	1.92		18.8	U
	29-Jun-07	26		3.3		3.3		4.3		4.1		3.0		5.3		4.2	
Vinyl chloride	15-Mar-07	230	U	220	U	220	U	220	U	220	U	88	U	34	U	96	U
	22-Mar-07	31.9	U	31.9	U	31.9	U	31.9	U	31.9	U	31.9	U	31.9	U	12.8	U
	26-Apr-07	12.8	U	12.8	U	12.8	U	12.8	U	12.8	U	12.8	U	12.8	U	12.8	U
	21-May-07	23.2	U	12.8	U	12.8	U	22.5	U	12.8	U	12.8	U	1.28	U	12.8	U
	29-Jun-07	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.51	U	0.26	U	0.26	U
Carbon tetrachloride	15-Mar-07	570	U	540	U	540	U	540	U	530	U	220	U	83	U	240	U
	22-Mar-07	78.6	U	78.6	U	78.6	U	78.6	U	78.6	U	78.6	U	78.6	U	31.4	U
	26-Apr-07	31.4	U	31.4	U	31.4	U	31.4	U	31.4	U	31.4	U	31.4	U	31.4	U
	21-May-07	57.2	U	31.4	U	31.4	U	55.3	U	31.4	U	31.4	U	3.14	U	31.4	U
	29-Jun-07	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U	1.3	U	0.63	U	0.63	U
Chloroform	15-Mar-07	440	U	420	U	420	U	420	U	410	U	170	U	64	U	180	U
	22-Mar-07	61	U	61	U	61	U	61	U	61	U	61	U	61	U	24.4	U
	26-Apr-07	24.4	U	24.4	U	24.4	U	24.4	U	24.4	U	24.4	U	24.4	U	24.4	U
	21-May-07	44.4	U	24.4	U	24.4	U	42.9	U	24.4	U	24.4	U	2.44	U	24.4	U
	29-Jun-07	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U	0.98	U	0.49	U	0.49	U

Notes:

All VOC compounds detected above the laboratory detection limits or those reported as "Not Detected" with reporting limits that exceed the action levels applicable to indoor air for this project are presented in this table.

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

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

ANALYTICAL REPORT

Prepared for:
EA Engineering, Science & Technology
2350 Post Road
Warwick, RI 02886

Project:	Adelaide Ave. School
ETR:	0706153
Report Date:	July 12, 2007

Certifications and Accreditations
Massachusetts M-MA030
Connecticut PH-0141
New Hampshire 2206
Rhode Island LAO00289
New Jersey MA015
Maine MA0030
New York 11627
Louisiana 03090
Florida E87814
Pennsylvania 68-02089
Army Corps of Engineers
Department of the Navy

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Sample ID Cross Reference

Client: **EA Engineering, Science & Technology** Lab Code: **MA00030**
Project: **Adelaide Ave. School** ETR: **0706153**

Lab Sample ID	Client Sample ID
0706153-01	MP-1
0706153-02	MP-2
0706153-03	MP-3
0706153-04	MP-6
0706153-05	MP-8
0706153-06	MP-7
0706153-07	MP-5
0706153-08	MP-4

CASE NARRATIVE
Alpha Woods Hole Lab

ETR: 0706153
Project: Adelaide Ave. School

All analyses were performed according to Alpha Woods Hole Labs quality assurance program and documented Standard Operating Procedures (SOPs). The analytical results contained in this report were performed within holding time, and with appropriate quality control measures, except where noted. A summary of all state and federal accreditations is provided within this report. Blank correction of results is not performed in the laboratory for any parameter.

Volatile Organics by TO-15 SIM

1. The laboratory control sample (LCS), VA071207LCS02, analyzed on 7/6/07, had recoveries for several analytes below the 70% lower QC limit. This LCS is associated with the dilution re-analysis of all samples for Acetone and 2-Butanone only, thus the data were accepted.

2. The majority of samples required dilution re-analyses due to analytes above the calibration range. These re-analyses were only evaluated for the compounds that were over the calibration range in the original analyses. See the sample report forms for specific sample dilutions.

The enclosed results of analyses are representative of the samples as received by the laboratory. Alpha Woods Hole Labs makes no representations or certifications as to the method of sample collection, sample identification, or transporting/handling procedures used prior to the receipt of samples by Alpha Woods Hole Labs. To the best of my knowledge, the information contained in this report is accurate and complete.

Approved by: _____ Title: Organics Manager Date: 7/12/07
Elizabeth Porta **Organics Manager**

Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **MP-1**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **0706153-01**
Associated Blank: **VA071107B28**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/02/07	50	250	5	JEG

Parameter	Raw Amount ppbv	Result µg/m³
Dichlorodifluoromethane	**0.44**	**2.2**
Chloromethane	0.20 U	0.41 U
Vinyl chloride	0.10 U	0.26 U
Chloroethane	0.10 U	0.26 U
Acetone	**210**	**490**
Trichlorofluoromethane	**0.23**	**1.3**
Acrylonitrile	2.5 U	5.4 U
1,1-Dichloroethene	0.10 U	0.40 U
Methylene chloride	2.5 U	8.7 U
trans-1,2-Dichloroethene	0.10 U	0.40 U
1,1-Dichloroethane	0.10 U	0.40 U
MTBE	**0.15**	**0.54**
2-Butanone	**2300** E	**6800** E
cis-1,2-Dichloroethene	0.10 U	0.40 U
Chloroform	0.10 U	0.49 U
1,2-Dichloroethane	0.10 U	0.40 U
1,1,1-Trichloroethane	0.10 U	0.55 U
Benzene	**0.22**	**0.69**
Carbon tetrachloride	0.10 U	0.63 U
1,2-Dichloropropane	0.10 U	0.46 U
Bromodichloromethane	0.10 U	0.67 U
Trichloroethene	0.10 U	0.54 U
cis-1,3-Dichloropropene	0.10 U	0.45 U
4-Methyl-2-pentanone	2.5 U	10 U
trans-1,3-Dichloropropene	0.10 U	0.45 U
1,1,2-Trichloroethane	0.10 U	0.55 U
Toluene	**6.9**	**26**
Dibromochloromethane	0.10 U	0.85 U
1,2-Dibromoethane	0.10 U	0.77 U
Tetrachloroethene	**0.13**	**0.88**
1,1,1,2-Tetrachloroethane	0.10 U	0.69 U
Chlorobenzene	**0.12**	**0.53**
Ethylbenzene	**3.4**	**15**
p+m-Xylene	**5.8**	**25**
Bromoform	0.10 U	1.0 U
Styrene	**0.16**	**0.70**

Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **MP-1**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **0706153-01**
Associated Blank: **VA071107B28**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/02/07	50	250	5	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
1,1,2,2-Tetrachloroethane	0.10	U	0.69	U
o-Xylene	**1.6**		**7.0**	
Isopropylbenzene	2.5	U	12	U
1,3,5-Trimethylbenzene	**0.25**		**1.2**	
1,2,4-Trimethylbenzene	**0.49**		**2.4**	
1,3-Dichlorobenzene	0.10	U	0.60	U
1,4-Dichlorobenzene	**12**		**69**	
sec-Butylbenzene	2.5	U	12	U
p-Isopropyltoluene	0.20	U	1.1	U
1,2-Dichlorobenzene	0.10	U	0.60	U
n-Butylbenzene	1.0	U	5.5	U

N/A - Not Applicable
E - Estimated value, exceeds the upper limit of calibration.
U - The analyte was analyzed for but not detected at the sample specific level reported.

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Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **MP-1**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **0706153-01E**
Associated Blank: **VA071207B02**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/06/07	1.5037	250	166.26	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
Dichlorodifluoromethane	3.3	U	16	U
Chloromethane	6.6	U	14	U
Vinyl chloride	3.3	U	8.5	U
Chloroethane	3.3	U	8.8	U
Acetone	170	U	400	U
Trichlorofluoromethane	3.3	U	19	U
Acrylonitrile	83	U	180	U
1,1-Dichloroethene	3.3	U	13	U
Methylene chloride	83	U	290	U
trans-1,2-Dichloroethene	3.3	U	13	U
1,1-Dichloroethane	3.3	U	13	U
MTBE	3.3	U	12	U
2-Butanone	**2400**		**7100**	
cis-1,2-Dichloroethene	3.3	U	13	U
Chloroform	3.3	U	16	U
1,2-Dichloroethane	3.3	U	13	U
1,1,1-Trichloroethane	3.3	U	18	U
Benzene	6.6	U	21	U
Carbon tetrachloride	3.3	U	21	U
1,2-Dichloropropane	3.3	U	15	U
Bromodichloromethane	3.3	U	22	U
Trichloroethene	3.3	U	18	U
cis-1,3-Dichloropropene	3.3	U	15	U
4-Methyl-2-pentanone	83	U	340	U
trans-1,3-Dichloropropene	3.3	U	15	U
1,1,2-Trichloroethane	3.3	U	18	U
Toluene	8.3	U	31	U
Dibromochloromethane	3.3	U	28	U
1,2-Dibromoethane	3.3	U	26	U
Tetrachloroethene	3.3	U	22	U
1,1,1,2-Tetrachloroethane	3.3	U	23	U
Chlorobenzene	3.3	U	15	U
Ethylbenzene	3.3	U	14	U
p+m-Xylene	6.6	U	29	U
Bromoform	3.3	U	34	U
Styrene	3.3	U	14	U

Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **MP-1**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **0706153-01E**
Associated Blank: **VA071207B02**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/06/07	1.5037	250	166.26	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
1,1,2,2-Tetrachloroethane	3.3	U	23	U
o-Xylene	3.3	U	14	U
Isopropylbenzene	83	U	410	U
1,3,5-Trimethylbenzene	3.3	U	16	U
1,2,4-Trimethylbenzene	3.3	U	16	U
1,3-Dichlorobenzene	3.3	U	20	U
1,4-Dichlorobenzene	3.3	U	20	U
sec-Butylbenzene	83	U	410	U
p-Isopropyltoluene	6.6	U	36	U
1,2-Dichlorobenzene	3.3	U	20	U
n-Butylbenzene	33	U	180	U

N/A - Not Applicable
U - The analyte was analyzed for but not detected at the sample specific level reported.

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Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **MP-2**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **0706153-02**
Associated Blank: **VA071107B28**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/02/07	50	250	5	JEG

Parameter	Raw Amount ppbv	Result µg/m³
Dichlorodifluoromethane	**0.44**	**2.2**
Chloromethane	0.20 U	0.41 U
Vinyl chloride	0.10 U	0.26 U
Chloroethane	0.10 U	0.26 U
Acetone	**170**	**410**
Trichlorofluoromethane	**0.28**	**1.5**
Acrylonitrile	2.5 U	5.4 U
1,1-Dichloroethene	0.10 U	0.40 U
Methylene chloride	2.5 U	8.7 U
trans-1,2-Dichloroethene	0.10 U	0.40 U
1,1-Dichloroethane	0.10 U	0.40 U
MTBE	**0.20**	**0.72**
2-Butanone	**1900** E	**5700** E
cis-1,2-Dichloroethene	0.10 U	0.40 U
Chloroform	0.10 U	0.49 U
1,2-Dichloroethane	0.10 U	0.40 U
1,1,1-Trichloroethane	0.10 U	0.55 U
Benzene	0.20 U	0.64 U
Carbon tetrachloride	0.10 U	0.63 U
1,2-Dichloropropane	0.10 U	0.46 U
Bromodichloromethane	0.10 U	0.67 U
Trichloroethene	0.10 U	0.54 U
cis-1,3-Dichloropropene	0.10 U	0.45 U
4-Methyl-2-pentanone	2.5 U	10 U
trans-1,3-Dichloropropene	0.10 U	0.45 U
1,1,2-Trichloroethane	0.10 U	0.55 U
Toluene	**0.88**	**3.3**
Dibromochloromethane	0.10 U	0.85 U
1,2-Dibromoethane	0.10 U	0.77 U
Tetrachloroethene	**0.12**	**0.78**
1,1,1,2-Tetrachloroethane	0.10 U	0.69 U
Chlorobenzene	0.10 U	0.46 U
Ethylbenzene	0.10 U	0.43 U
p+m-Xylene	**0.28**	**1.2**
Bromoform	0.10 U	1.0 U
Styrene	0.10 U	0.43 U

Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **MP-2**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **0706153-02**
Associated Blank: **VA071107B28**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/02/07	50	250	5	JEG

Parameter	Raw Amount ppbv	Result µg/m³
1,1,2,2-Tetrachloroethane	0.10 U	0.69 U
o-Xylene	**0.12**	**0.50**
Isopropylbenzene	2.5 U	12 U
1,3,5-Trimethylbenzene	**0.16**	**0.79**
1,2,4-Trimethylbenzene	**0.30**	**1.5**
1,3-Dichlorobenzene	0.10 U	0.60 U
1,4-Dichlorobenzene	**9.6**	**58**
sec-Butylbenzene	2.5 U	12 U
p-Isopropyltoluene	0.20 U	1.1 U
1,2-Dichlorobenzene	0.10 U	0.60 U
n-Butylbenzene	1.0 U	5.5 U

N/A - Not Applicable
E - Estimated value, exceeds the upper limit of calibration.
U - The analyte was analyzed for but not detected at the sample specific level reported.

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Volatile Organics by TO-15

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **MP-2**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **0706153-02E**
Associated Blank: **VA071207B02**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/06/07	1.557	250	160.56	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
Dichlorodifluoromethane	3.2	U	16	U
Chloromethane	6.4	U	13	U
Vinyl chloride	3.2	U	8.2	U
Chloroethane	3.2	U	8.5	U
Acetone	160	U	380	U
Trichlorofluoromethane	3.2	U	18	U
Acrylonitrile	80	U	170	U
1,1-Dichloroethene	3.2	U	13	U
Methylene chloride	80	U	280	U
trans-1,2-Dichloroethene	3.2	U	13	U
1,1-Dichloroethane	3.2	U	13	U
MTBE	3.2	U	12	U
2-Butanone	**2100**		**6200**	
cis-1,2-Dichloroethene	3.2	U	13	U
Chloroform	3.2	U	16	U
1,2-Dichloroethane	3.2	U	13	U
1,1,1-Trichloroethane	3.2	U	18	U
Benzene	6.4	U	20	U
Carbon tetrachloride	3.2	U	20	U
1,2-Dichloropropane	3.2	U	15	U
Bromodichloromethane	3.2	U	22	U
Trichloroethene	3.2	U	17	U
cis-1,3-Dichloropropene	3.2	U	15	U
4-Methyl-2-pentanone	80	U	330	U
trans-1,3-Dichloropropene	3.2	U	15	U
1,1,2-Trichloroethane	3.2	U	18	U
Toluene	8.0	U	30	U
Dibromochloromethane	3.2	U	27	U
1,2-Dibromoethane	3.2	U	25	U
Tetrachloroethene	3.2	U	22	U
1,1,1,2-Tetrachloroethane	3.2	U	22	U
Chlorobenzene	3.2	U	15	U
Ethylbenzene	3.2	U	14	U
p+m-Xylene	6.4	U	28	U
Bromoform	3.2	U	33	U
Styrene	3.2	U	14	U

Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **MP-2**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **0706153-02E**
Associated Blank: **VA071207B02**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/06/07	1.557	250	160.56	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
1,1,2,2-Tetrachloroethane	3.2	U	22	U
o-Xylene	3.2	U	14	U
Isopropylbenzene	80	U	390	U
1,3,5-Trimethylbenzene	3.2	U	16	U
1,2,4-Trimethylbenzene	3.2	U	16	U
1,3-Dichlorobenzene	3.2	U	19	U
1,4-Dichlorobenzene	3.2	U	19	U
sec-Butylbenzene	80	U	390	U
p-Isopropyltoluene	6.4	U	35	U
1,2-Dichlorobenzene	3.2	U	19	U
n-Butylbenzene	32	U	180	U

N/A - Not Applicable
U - The analyte was analyzed for but not detected at the sample specific level reported.

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Volatile Organics by TO-15

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **MP-3**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **0706153-03**
Associated Blank: **VA071107B28**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/02/07	50	250	5	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
Dichlorodifluoromethane	**0.42**		**2.1**	
Chloromethane	0.20	U	0.41	U
Vinyl chloride	0.10	U	0.26	U
Chloroethane	0.10	U	0.26	U
Acetone	**410**	E	**980**	E
Trichlorofluoromethane	**0.20**		**1.2**	
Acrylonitrile	2.5	U	5.4	U
1,1-Dichloroethene	0.10	U	0.40	U
Methylene chloride	2.5	U	8.7	U
trans-1,2-Dichloroethene	0.10	U	0.40	U
1,1-Dichloroethane	0.10	U	0.40	U
MTBE	0.10	U	0.36	U
2-Butanone	**2300**	E	**6900**	E
cis-1,2-Dichloroethene	0.10	U	0.40	U
Chloroform	0.10	U	0.49	U
1,2-Dichloroethane	0.10	U	0.40	U
1,1,1-Trichloroethane	0.10	U	0.55	U
Benzene	**0.23**		**0.73**	
Carbon tetrachloride	0.10	U	0.63	U
1,2-Dichloropropane	0.10	U	0.46	U
Bromodichloromethane	0.10	U	0.67	U
Trichloroethene	0.10	U	0.54	U
cis-1,3-Dichloropropene	0.10	U	0.45	U
4-Methyl-2-pentanone	2.5	U	10	U
trans-1,3-Dichloropropene	0.10	U	0.45	U
1,1,2-Trichloroethane	0.10	U	0.55	U
Toluene	**0.88**		**3.3**	
Dibromochloromethane	0.10	U	0.85	U
1,2-Dibromoethane	0.10	U	0.77	U
Tetrachloroethene	**0.11**		**0.75**	
1,1,1,2-Tetrachloroethane	0.10	U	0.69	U
Chlorobenzene	0.10	U	0.46	U
Ethylbenzene	0.10	U	0.43	U
p+m-Xylene	**0.27**		**1.2**	
Bromoform	0.10	U	1.0	U
Styrene	0.10	U	0.43	U

Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **MP-3**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **0706153-03**
Associated Blank: **VA071107B28**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/02/07	50	250	5	JEG

Parameter	Raw Amount ppbv	Result µg/m³
1,1,2,2-Tetrachloroethane	0.10 U	0.69 U
o-Xylene	**0.10**	**0.46**
Isopropylbenzene	2.5 U	12 U
1,3,5-Trimethylbenzene	**0.12**	**0.59**
1,2,4-Trimethylbenzene	**0.24**	**1.2**
1,3-Dichlorobenzene	0.10 U	0.60 U
1,4-Dichlorobenzene	**9.2**	**55**
sec-Butylbenzene	2.5 U	12 U
p-Isopropyltoluene	0.20 U	1.1 U
1,2-Dichlorobenzene	0.10 U	0.60 U
n-Butylbenzene	1.0 U	5.5 U

N/A - Not Applicable
E - Estimated value, exceeds the upper limit of calibration.
U - The analyte was analyzed for but not detected at the sample specific level reported.

Volatile Organics by TO-15

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **MP-3**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **0706153-03E**
Associated Blank: **VA071207B02**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/06/07	1.5893	250	157.31	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
Dichlorodifluoromethane	3.2	U	16	U
Chloromethane	6.3	U	13	U
Vinyl chloride	3.2	U	8.0	U
Chloroethane	3.2	U	8.3	U
Acetone	**460**		**1100**	
Trichlorofluoromethane	3.2	U	18	U
Acrylonitrile	79	U	170	U
1,1-Dichloroethene	3.2	U	12	U
Methylene chloride	79	U	270	U
trans-1,2-Dichloroethene	3.2	U	12	U
1,1-Dichloroethane	3.2	U	13	U
MTBE	3.2	U	11	U
2-Butanone	**2800**		**8300**	
cis-1,2-Dichloroethene	3.2	U	12	U
Chloroform	3.2	U	15	U
1,2-Dichloroethane	3.2	U	13	U
1,1,1-Trichloroethane	3.2	U	17	U
Benzene	6.3	U	20	U
Carbon tetrachloride	3.2	U	20	U
1,2-Dichloropropane	3.2	U	14	U
Bromodichloromethane	3.2	U	21	U
Trichloroethene	3.2	U	17	U
cis-1,3-Dichloropropene	3.2	U	14	U
4-Methyl-2-pentanone	79	U	320	U
trans-1,3-Dichloropropene	3.2	U	14	U
1,1,2-Trichloroethane	3.2	U	17	U
Toluene	7.9	U	30	U
Dibromochloromethane	3.2	U	27	U
1,2-Dibromoethane	3.2	U	24	U
Tetrachloroethene	3.2	U	21	U
1,1,1,2-Tetrachloroethane	3.2	U	22	U
Chlorobenzene	3.2	U	14	U
Ethylbenzene	3.2	U	14	U
p+m-Xylene	6.3	U	27	U
Bromoform	3.2	U	32	U
Styrene	3.2	U	13	U

Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **MP-3**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **0706153-03E**
Associated Blank: **VA071207B02**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/06/07	1.5893	250	157.31	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
1,1,2,2-Tetrachloroethane	3.2	U	22	U
o-Xylene	3.2	U	14	U
Isopropylbenzene	79	U	390	U
1,3,5-Trimethylbenzene	3.2	U	15	U
1,2,4-Trimethylbenzene	3.2	U	15	U
1,3-Dichlorobenzene	3.2	U	19	U
1,4-Dichlorobenzene	3.2	U	19	U
sec-Butylbenzene	79	U	390	U
p-Isopropyltoluene	6.3	U	34	U
1,2-Dichlorobenzene	3.2	U	19	U
n-Butylbenzene	32	U	170	U

N/A - Not Applicable
U - The analyte was analyzed for but not detected at the sample specific level reported.

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Volatile Organics by TO-15

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **MP-6**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **0706153-04**
Associated Blank: **VA071107B28**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/02/07	25	250	10	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
Dichlorodifluoromethane	**0.51**		**2.5**	
Chloromethane	0.40	U	0.83	U
Vinyl chloride	0.20	U	0.51	U
Chloroethane	0.20	U	0.53	U
Acetone	**2200**	E	**5200**	E
Trichlorofluoromethane	**0.24**		**1.4**	
Acrylonitrile	5.0	U	11	U
1,1-Dichloroethene	0.20	U	0.79	U
Methylene chloride	5.0	U	17	U
trans-1,2-Dichloroethene	0.20	U	0.79	U
1,1-Dichloroethane	0.20	U	0.81	U
MTBE	0.20	U	0.72	U
2-Butanone	**5200**	E	**15000**	E
cis-1,2-Dichloroethene	0.20	U	0.79	U
Chloroform	0.20	U	0.98	U
1,2-Dichloroethane	0.20	U	0.81	U
1,1,1-Trichloroethane	0.20	U	1.1	U
Benzene	0.40	U	1.3	U
Carbon tetrachloride	0.20	U	1.3	U
1,2-Dichloropropane	0.20	U	0.92	U
Bromodichloromethane	0.20	U	1.3	U
Trichloroethene	0.20	U	1.1	U
cis-1,3-Dichloropropene	0.20	U	0.91	U
4-Methyl-2-pentanone	5.0	U	20	U
trans-1,3-Dichloropropene	0.20	U	0.91	U
1,1,2-Trichloroethane	0.20	U	1.1	U
Toluene	**0.80**		**3.0**	
Dibromochloromethane	0.20	U	1.7	U
1,2-Dibromoethane	0.20	U	1.5	U
Tetrachloroethene	0.20	U	1.4	U
1,1,1,2-Tetrachloroethane	0.20	U	1.4	U
Chlorobenzene	0.20	U	0.92	U
Ethylbenzene	0.20	U	0.87	U
p+m-Xylene	0.40	U	1.7	U
Bromoform	0.20	U	2.1	U
Styrene	0.20	U	0.85	U

Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **MP-6**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **0706153-04**
Associated Blank: **VA071107B28**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/02/07	25	250	10	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
1,1,2,2-Tetrachloroethane	0.20	U	1.4	U
o-Xylene	0.20	U	0.87	U
Isopropylbenzene	5.0	U	25	U
1,3,5-Trimethylbenzene	0.20	U	0.98	U
1,2,4-Trimethylbenzene	0.20	U	0.98	U
1,3-Dichlorobenzene	0.20	U	1.2	U
1,4-Dichlorobenzene	**6.5**		**39**	
sec-Butylbenzene	5.0	U	25	U
p-Isopropyltoluene	0.40	U	2.2	U
1,2-Dichlorobenzene	0.20	U	1.2	U
n-Butylbenzene	2.0	U	11	U

N/A - Not Applicable
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U - The analyte was analyzed for but not detected at the sample specific level reported.

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Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **MP-6**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **0706153-04E**
Associated Blank: **VA071207B02**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/06/07	1.5813	250	158.09	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
Dichlorodifluoromethane	3.2	U	16	U
Chloromethane	6.3	U	13	U
Vinyl chloride	3.2	U	8.1	U
Chloroethane	3.2	U	8.3	U
Acetone	**2000**		**4700**	
Trichlorofluoromethane	3.2	U	18	U
Acrylonitrile	79	U	170	U
1,1-Dichloroethene	3.2	U	12	U
Methylene chloride	79	U	270	U
trans-1,2-Dichloroethene	3.2	U	12	U
1,1-Dichloroethane	3.2	U	13	U
MTBE	3.2	U	11	U
2-Butanone	**7200**		**21000**	
cis-1,2-Dichloroethene	3.2	U	12	U
Chloroform	3.2	U	15	U
1,2-Dichloroethane	3.2	U	13	U
1,1,1-Trichloroethane	3.2	U	17	U
Benzene	6.3	U	20	U
Carbon tetrachloride	3.2	U	20	U
1,2-Dichloropropane	3.2	U	15	U
Bromodichloromethane	3.2	U	21	U
Trichloroethene	3.2	U	17	U
cis-1,3-Dichloropropene	3.2	U	14	U
4-Methyl-2-pentanone	79	U	320	U
trans-1,3-Dichloropropene	3.2	U	14	U
1,1,2-Trichloroethane	3.2	U	17	U
Toluene	7.9	U	30	U
Dibromochloromethane	3.2	U	27	U
1,2-Dibromoethane	3.2	U	24	U
Tetrachloroethene	3.2	U	21	U
1,1,1,2-Tetrachloroethane	3.2	U	22	U
Chlorobenzene	3.2	U	14	U
Ethylbenzene	3.2	U	14	U
p+m-Xylene	6.3	U	27	U
Bromoform	3.2	U	33	U
Styrene	3.2	U	14	U

Volatile Organics by TO-15

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **MP-6**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **0706153-04E**
Associated Blank: **VA071207B02**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/06/07	1.5813	250	158.09	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
1,1,2,2-Tetrachloroethane	3.2	U	22	U
o-Xylene	3.2	U	14	U
Isopropylbenzene	79	U	390	U
1,3,5-Trimethylbenzene	3.2	U	16	U
1,2,4-Trimethylbenzene	3.2	U	16	U
1,3-Dichlorobenzene	3.2	U	19	U
1,4-Dichlorobenzene	3.2	U	19	U
sec-Butylbenzene	79	U	390	U
p-Isopropyltoluene	6.3	U	35	U
1,2-Dichlorobenzene	3.2	U	19	U
n-Butylbenzene	32	U	170	U

N/A - Not Applicable
U - The analyte was analyzed for but not detected at the sample specific level reported.

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Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **MP-8**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **0706153-05**
Associated Blank: **VA071107B28**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/02/07	50	250	5	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
Dichlorodifluoromethane	**0.41**		**2.0**	
Chloromethane	0.20	U	0.41	U
Vinyl chloride	0.10	U	0.26	U
Chloroethane	0.10	U	0.26	U
Acetone	**580**	E	**1400**	E
Trichlorofluoromethane	**0.23**		**1.3**	
Acrylonitrile	2.5	U	5.4	U
1,1-Dichloroethene	0.10	U	0.40	U
Methylene chloride	2.5	U	8.7	U
trans-1,2-Dichloroethene	0.10	U	0.40	U
1,1-Dichloroethane	0.10	U	0.40	U
MTBE	0.10	U	0.36	U
2-Butanone	**2600**	E	**7600**	E
cis-1,2-Dichloroethene	0.10	U	0.40	U
Chloroform	0.10	U	0.49	U
1,2-Dichloroethane	0.10	U	0.40	U
1,1,1-Trichloroethane	0.10	U	0.55	U
Benzene	**0.22**		**0.70**	
Carbon tetrachloride	0.10	U	0.63	U
1,2-Dichloropropane	0.10	U	0.46	U
Bromodichloromethane	0.10	U	0.67	U
Trichloroethene	0.10	U	0.54	U
cis-1,3-Dichloropropene	0.10	U	0.45	U
4-Methyl-2-pentanone	2.5	U	10	U
trans-1,3-Dichloropropene	0.10	U	0.45	U
1,1,2-Trichloroethane	0.10	U	0.55	U
Toluene	**1.1**		**4.2**	
Dibromochloromethane	0.10	U	0.85	U
1,2-Dibromoethane	0.10	U	0.77	U
Tetrachloroethene	**0.10**		**0.68**	
1,1,1,2-Tetrachloroethane	0.10	U	0.69	U
Chlorobenzene	0.10	U	0.46	U
Ethylbenzene	0.10	U	0.43	U
p+m-Xylene	**0.29**		**1.3**	
Bromoform	0.10	U	1.0	U
Styrene	**0.10**		**0.45**	

Volatile Organics by TO-15

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **MP-8**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **0706153-05**
Associated Blank: **VA071107B28**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/02/07	50	250	5	JEG

Parameter	Raw Amount ppbv	Result µg/m³
1,1,2,2-Tetrachloroethane	0.10 U	0.69 U
o-Xylene	**0.12**	**0.50**
Isopropylbenzene	2.5 U	12 U
1,3,5-Trimethylbenzene	**0.16**	**0.76**
1,2,4-Trimethylbenzene	**0.30**	**1.5**
1,3-Dichlorobenzene	0.10 U	0.60 U
1,4-Dichlorobenzene	**10**	**61**
sec-Butylbenzene	2.5 U	12 U
p-Isopropyltoluene	0.20 U	1.1 U
1,2-Dichlorobenzene	0.10 U	0.60 U
n-Butylbenzene	1.0 U	5.5 U

N/A - Not Applicable
E - Estimated value, exceeds the upper limit of calibration.
U - The analyte was analyzed for but not detected at the sample specific level reported.

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Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **MP-8**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **0706153-05E**
Associated Blank: **VA071207B02**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/06/07	1.4181	250	176.29	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
Dichlorodifluoromethane	3.5	U	17	U
Chloromethane	7.0	U	15	U
Vinyl chloride	3.5	U	9.0	U
Chloroethane	3.5	U	9.3	U
Acetone	**660**		**1600**	
Trichlorofluoromethane	3.5	U	20	U
Acrylonitrile	88	U	190	U
1,1-Dichloroethene	3.5	U	14	U
Methylene chloride	88	U	310	U
trans-1,2-Dichloroethene	3.5	U	14	U
1,1-Dichloroethane	3.5	U	14	U
MTBE	3.5	U	13	U
2-Butanone	**4100**		**12000**	
cis-1,2-Dichloroethene	3.5	U	14	U
Chloroform	3.5	U	17	U
1,2-Dichloroethane	3.5	U	14	U
1,1,1-Trichloroethane	3.5	U	19	U
Benzene	7.0	U	22	U
Carbon tetrachloride	3.5	U	22	U
1,2-Dichloropropane	3.5	U	16	U
Bromodichloromethane	3.5	U	24	U
Trichloroethene	3.5	U	19	U
cis-1,3-Dichloropropene	3.5	U	16	U
4-Methyl-2-pentanone	88	U	360	U
trans-1,3-Dichloropropene	3.5	U	16	U
1,1,2-Trichloroethane	3.5	U	19	U
Toluene	8.8	U	33	U
Dibromochloromethane	3.5	U	30	U
1,2-Dibromoethane	3.5	U	27	U
Tetrachloroethene	3.5	U	24	U
1,1,1,2-Tetrachloroethane	3.5	U	24	U
Chlorobenzene	3.5	U	16	U
Ethylbenzene	3.5	U	15	U
p+m-Xylene	7.0	U	31	U
Bromoform	3.5	U	36	U
Styrene	3.5	U	15	U

Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **MP-8**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **0706153-05E**
Associated Blank: **VA071207B02**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/06/07	1.4181	250	176.29	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
1,1,2,2-Tetrachloroethane	3.5	U	24	U
o-Xylene	3.5	U	15	U
Isopropylbenzene	88	U	430	U
1,3,5-Trimethylbenzene	3.5	U	17	U
1,2,4-Trimethylbenzene	3.5	U	17	U
1,3-Dichlorobenzene	3.5	U	21	U
1,4-Dichlorobenzene	3.5	U	21	U
sec-Butylbenzene	88	U	430	U
p-Isopropyltoluene	7.0	U	39	U
1,2-Dichlorobenzene	3.5	U	21	U
n-Butylbenzene	35	U	190	U

N/A - Not Applicable
U - The analyte was analyzed for but not detected at the sample specific level reported.

Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **MP-7**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **0706153-06**
Associated Blank: **VA071107B28**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/02/07	50	250	5	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
Dichlorodifluoromethane	**0.47**		**2.3**	
Chloromethane	0.20	U	0.41	U
Vinyl chloride	0.10	U	0.26	U
Chloroethane	0.10	U	0.26	U
Acetone	**74**		**170**	
Trichlorofluoromethane	**0.68**		**3.8**	
Acrylonitrile	2.5	U	5.4	U
1,1-Dichloroethene	0.10	U	0.40	U
Methylene chloride	2.5	U	8.7	U
trans-1,2-Dichloroethene	0.10	U	0.40	U
1,1-Dichloroethane	0.10	U	0.40	U
MTBE	0.10	U	0.36	U
2-Butanone	**1000**	E	**3100**	E
cis-1,2-Dichloroethene	0.10	U	0.40	U
Chloroform	0.10	U	0.49	U
1,2-Dichloroethane	0.10	U	0.40	U
1,1,1-Trichloroethane	0.10	U	0.55	U
Benzene	**0.26**		**0.83**	
Carbon tetrachloride	0.10	U	0.63	U
1,2-Dichloropropane	0.10	U	0.46	U
Bromodichloromethane	0.10	U	0.67	U
Trichloroethene	**0.12**		**0.62**	
cis-1,3-Dichloropropene	0.10	U	0.45	U
4-Methyl-2-pentanone	2.5	U	10	U
trans-1,3-Dichloropropene	0.10	U	0.45	U
1,1,2-Trichloroethane	0.10	U	0.55	U
Toluene	**1.4**		**5.3**	
Dibromochloromethane	0.10	U	0.85	U
1,2-Dibromoethane	0.10	U	0.77	U
Tetrachloroethene	**0.16**		**1.0**	
1,1,1,2-Tetrachloroethane	0.10	U	0.69	U
Chlorobenzene	0.10	U	0.46	U
Ethylbenzene	**0.12**		**0.52**	
p+m-Xylene	**0.39**		**1.7**	
Bromoform	0.10	U	1.0	U
Styrene	**0.15**		**0.64**	

Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **MP-7**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **0706153-06**
Associated Blank: **VA071107B28**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/02/07	50	250	5	JEG

Parameter	Raw Amount ppbv	Result µg/m³
1,1,2,2-Tetrachloroethane	0.10 U	0.69 U
o-Xylene	**0.16**	**0.72**
Isopropylbenzene	2.5 U	12 U
1,3,5-Trimethylbenzene	**0.29**	**1.4**
1,2,4-Trimethylbenzene	**0.54**	**2.6**
1,3-Dichlorobenzene	0.10 U	0.60 U
1,4-Dichlorobenzene	**12**	**75**
sec-Butylbenzene	2.5 U	12 U
p-Isopropyltoluene	0.20 U	1.1 U
1,2-Dichlorobenzene	0.10 U	0.60 U
n-Butylbenzene	1.0 U	5.5 U

N/A - Not Applicable
E - Estimated value, exceeds the upper limit of calibration.
U - The analyte was analyzed for but not detected at the sample specific level reported.

Volatile Organics by TO-15

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **MP-7**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **0706153-06E**
Associated Blank: **VA071207B02**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/06/07	1.0269	250	243.45	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
Dichlorodifluoromethane	4.9	U	24	U
Chloromethane	9.7	U	20	U
Vinyl chloride	4.9	U	12	U
Chloroethane	4.9	U	13	U
Acetone	240	U	580	U
Trichlorofluoromethane	4.9	U	27	U
Acrylonitrile	120	U	260	U
1,1-Dichloroethene	4.9	U	19	U
Methylene chloride	120	U	420	U
trans-1,2-Dichloroethene	4.9	U	19	U
1,1-Dichloroethane	4.9	U	20	U
MTBE	4.9	U	18	U
2-Butanone	**740**		**2200**	
cis-1,2-Dichloroethene	4.9	U	19	U
Chloroform	4.9	U	24	U
1,2-Dichloroethane	4.9	U	20	U
1,1,1-Trichloroethane	4.9	U	26	U
Benzene	9.7	U	31	U
Carbon tetrachloride	4.9	U	31	U
1,2-Dichloropropane	4.9	U	22	U
Bromodichloromethane	4.9	U	33	U
Trichloroethene	4.9	U	26	U
cis-1,3-Dichloropropene	4.9	U	22	U
4-Methyl-2-pentanone	120	U	500	U
trans-1,3-Dichloropropene	4.9	U	22	U
1,1,2-Trichloroethane	4.9	U	26	U
Toluene	12	U	46	U
Dibromochloromethane	4.9	U	42	U
1,2-Dibromoethane	4.9	U	37	U
Tetrachloroethene	4.9	U	33	U
1,1,1,2-Tetrachloroethane	4.9	U	33	U
Chlorobenzene	4.9	U	22	U
Ethylbenzene	4.9	U	21	U
p+m-Xylene	9.7	U	42	U
Bromoform	4.9	U	50	U
Styrene	4.9	U	21	U

Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **MP-7**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **0706153-06E**
Associated Blank: **VA071207B02**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/06/07	1.0269	250	243.45	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
1,1,2,2-Tetrachloroethane	4.9	U	33	U
o-Xylene	4.9	U	21	U
Isopropylbenzene	120	U	600	U
1,3,5-Trimethylbenzene	4.9	U	24	U
1,2,4-Trimethylbenzene	4.9	U	24	U
1,3-Dichlorobenzene	4.9	U	29	U
1,4-Dichlorobenzene	4.9	U	29	U
sec-Butylbenzene	120	U	600	U
p-Isopropyltoluene	9.7	U	53	U
1,2-Dichlorobenzene	4.9	U	29	U
n-Butylbenzene	49	U	270	U

N/A - Not Applicable
U - The analyte was analyzed for but not detected at the sample specific level reported.

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Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **MP-5**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **0706153-07**
Associated Blank: **VA071107B28**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/02/07	50	250	5	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
Dichlorodifluoromethane	0.10	U	0.49	U
Chloromethane	0.20	U	0.41	U
Vinyl chloride	0.10	U	0.26	U
Chloroethane	0.10	U	0.26	U
Acetone	**430**	E	**1000**	E
Trichlorofluoromethane	**5.9**		**33**	
Acrylonitrile	2.5	U	5.4	U
1,1-Dichloroethene	0.10	U	0.40	U
Methylene chloride	2.5	U	8.7	U
trans-1,2-Dichloroethene	0.10	U	0.40	U
1,1-Dichloroethane	0.10	U	0.40	U
MTBE	0.10	U	0.36	U
2-Butanone	**2700**	E	**8000**	E
cis-1,2-Dichloroethene	0.10	U	0.40	U
Chloroform	0.10	U	0.49	U
1,2-Dichloroethane	0.10	U	0.40	U
1,1,1-Trichloroethane	0.10	U	0.55	U
Benzene	**0.23**		**0.75**	
Carbon tetrachloride	0.10	U	0.63	U
1,2-Dichloropropane	0.10	U	0.46	U
Bromodichloromethane	0.10	U	0.67	U
Trichloroethene	**19**		**100**	
cis-1,3-Dichloropropene	0.10	U	0.45	U
4-Methyl-2-pentanone	2.5	U	10	U
trans-1,3-Dichloropropene	0.10	U	0.45	U
1,1,2-Trichloroethane	0.10	U	0.55	U
Toluene	**1.1**		**4.1**	
Dibromochloromethane	0.10	U	0.85	U
1,2-Dibromoethane	0.10	U	0.77	U
Tetrachloroethene	**1.0**		**6.7**	
1,1,1,2-Tetrachloroethane	0.10	U	0.69	U
Chlorobenzene	0.10	U	0.46	U
Ethylbenzene	0.10	U	0.43	U
p+m-Xylene	**0.31**		**1.4**	
Bromoform	0.10	U	1.0	U
Styrene	**0.12**		**0.53**	

Volatile Organics by TO-15

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **MP-5**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **0706153-07**
Associated Blank: **VA071107B28**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/02/07	50	250	5	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
1,1,2,2-Tetrachloroethane	0.10	U	0.69	U
o-Xylene	**0.14**		**0.59**	
Isopropylbenzene	2.5	U	12	U
1,3,5-Trimethylbenzene	**0.34**		**1.7**	
1,2,4-Trimethylbenzene	**0.66**		**3.2**	
1,3-Dichlorobenzene	0.10	U	0.60	U
1,4-Dichlorobenzene	**11**		**65**	
sec-Butylbenzene	2.5	U	12	U
p-Isopropyltoluene	0.20	U	1.1	U
1,2-Dichlorobenzene	0.10	U	0.60	U
n-Butylbenzene	1.0	U	5.5	U

N/A - Not Applicable
E - Estimated value, exceeds the upper limit of calibration.
U - The analyte was analyzed for but not detected at the sample specific level reported.

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Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **MP-5**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **0706153-07E**
Associated Blank: **VA071207B02**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/06/07	1.6504	250	151.48	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
Dichlorodifluoromethane	3.0	U	15	U
Chloromethane	6.1	U	12	U
Vinyl chloride	3.0	U	7.7	U
Chloroethane	3.0	U	8.0	U
Acetone	**430**		**1000**	
Trichlorofluoromethane	3.0	U	17	U
Acrylonitrile	76	U	160	U
1,1-Dichloroethene	3.0	U	12	U
Methylene chloride	76	U	260	U
trans-1,2-Dichloroethene	3.0	U	12	U
1,1-Dichloroethane	3.0	U	12	U
MTBE	3.0	U	11	U
2-Butanone	**3200**		**9400**	
cis-1,2-Dichloroethene	3.0	U	12	U
Chloroform	3.0	U	15	U
1,2-Dichloroethane	3.0	U	12	U
1,1,1-Trichloroethane	3.0	U	16	U
Benzene	6.1	U	19	U
Carbon tetrachloride	3.0	U	19	U
1,2-Dichloropropane	3.0	U	14	U
Bromodichloromethane	3.0	U	20	U
Trichloroethene	3.0	U	16	U
cis-1,3-Dichloropropene	3.0	U	14	U
4-Methyl-2-pentanone	76	U	310	U
trans-1,3-Dichloropropene	3.0	U	14	U
1,1,2-Trichloroethane	3.0	U	16	U
Toluene	7.6	U	28	U
Dibromochloromethane	3.0	U	26	U
1,2-Dibromoethane	3.0	U	23	U
Tetrachloroethene	3.0	U	20	U
1,1,1,2-Tetrachloroethane	3.0	U	21	U
Chlorobenzene	3.0	U	14	U
Ethylbenzene	3.0	U	13	U
p+m-Xylene	6.1	U	26	U
Bromoform	3.0	U	31	U
Styrene	3.0	U	13	U

Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **MP-5**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **0706153-07E**
Associated Blank: **VA071207B02**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/06/07	1.6504	250	151.48	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
1,1,2,2-Tetrachloroethane	3.0	U	21	U
o-Xylene	3.0	U	13	U
Isopropylbenzene	76	U	370	U
1,3,5-Trimethylbenzene	3.0	U	15	U
1,2,4-Trimethylbenzene	3.0	U	15	U
1,3-Dichlorobenzene	3.0	U	18	U
1,4-Dichlorobenzene	3.0	U	18	U
sec-Butylbenzene	76	U	370	U
p-Isopropyltoluene	6.1	U	33	U
1,2-Dichlorobenzene	3.0	U	18	U
n-Butylbenzene	30	U	170	U

N/A - Not Applicable
U - The analyte was analyzed for but not detected at the sample specific level reported.

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Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **MP-4**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **0706153-08**
Associated Blank: **VA071107B28**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/02/07	50	250	5	JEG

Parameter	Raw Amount ppbv	Result µg/m³
Dichlorodifluoromethane	**0.44**	**2.2**
Chloromethane	0.20 U	0.41 U
Vinyl chloride	0.10 U	0.26 U
Chloroethane	**0.13**	**0.34**
Acetone	**260** E	**610** E
Trichlorofluoromethane	**9.2**	**52**
Acrylonitrile	2.5 U	5.4 U
1,1-Dichloroethene	0.10 U	0.40 U
Methylene chloride	2.5 U	8.7 U
trans-1,2-Dichloroethene	0.10 U	0.40 U
1,1-Dichloroethane	0.10 U	0.40 U
MTBE	0.10 U	0.36 U
2-Butanone	**2700** E	**7900** E
cis-1,2-Dichloroethene	0.10 U	0.40 U
Chloroform	0.10 U	0.49 U
1,2-Dichloroethane	0.10 U	0.40 U
1,1,1-Trichloroethane	0.10 U	0.55 U
Benzene	**0.21**	**0.67**
Carbon tetrachloride	0.10 U	0.63 U
1,2-Dichloropropane	0.10 U	0.46 U
Bromodichloromethane	0.10 U	0.67 U
Trichloroethene	**4.2**	**22**
cis-1,3-Dichloropropene	0.10 U	0.45 U
4-Methyl-2-pentanone	2.5 U	10 U
trans-1,3-Dichloropropene	0.10 U	0.45 U
1,1,2-Trichloroethane	0.10 U	0.55 U
Toluene	**1.1**	**4.3**
Dibromochloromethane	0.10 U	0.85 U
1,2-Dibromoethane	0.10 U	0.77 U
Tetrachloroethene	**0.32**	**2.2**
1,1,1,2-Tetrachloroethane	0.10 U	0.69 U
Chlorobenzene	0.10 U	0.46 U
Ethylbenzene	0.10 U	0.43 U
p+m-Xylene	**0.32**	**1.4**
Bromoform	0.10 U	1.0 U
Styrene	**0.12**	**0.49**

Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **MP-4**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **0706153-08**
Associated Blank: **VA071107B28**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/02/07	50	250	5	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
1,1,2,2-Tetrachloroethane	0.10	U	0.69	U
o-Xylene	**0.14**		**0.61**	
Isopropylbenzene	2.5	U	12	U
1,3,5-Trimethylbenzene	**0.36**		**1.7**	
1,2,4-Trimethylbenzene	**0.69**		**3.4**	
1,3-Dichlorobenzene	0.10	U	0.60	U
1,4-Dichlorobenzene	**11**		**68**	
sec-Butylbenzene	2.5	U	12	U
p-Isopropyltoluene	0.20	U	1.1	U
1,2-Dichlorobenzene	0.10	U	0.60	U
n-Butylbenzene	1.0	U	5.5	U

N/A - Not Applicable
E - Estimated value, exceeds the upper limit of calibration.
U - The analyte was analyzed for but not detected at the sample specific level reported.

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Volatile Organics by TO-15

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **MP-4**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **0706153-08E**
Associated Blank: **VA071207B02**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/06/07	1.4792	250	169.01	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
Dichlorodifluoromethane	3.4	U	17	U
Chloromethane	6.8	U	14	U
Vinyl chloride	3.4	U	8.6	U
Chloroethane	3.4	U	8.9	U
Acetone	**320**		**770**	
Trichlorofluoromethane	3.4	U	19	U
Acrylonitrile	84	U	180	U
1,1-Dichloroethene	3.4	U	13	U
Methylene chloride	84	U	290	U
trans-1,2-Dichloroethene	3.4	U	13	U
1,1-Dichloroethane	3.4	U	14	U
MTBE	3.4	U	12	U
2-Butanone	**3600**		**11000**	
cis-1,2-Dichloroethene	3.4	U	13	U
Chloroform	3.4	U	16	U
1,2-Dichloroethane	3.4	U	14	U
1,1,1-Trichloroethane	3.4	U	18	U
Benzene	6.8	U	22	U
Carbon tetrachloride	3.4	U	21	U
1,2-Dichloropropane	3.4	U	16	U
Bromodichloromethane	3.4	U	23	U
Trichloroethene	3.4	U	18	U
cis-1,3-Dichloropropene	3.4	U	15	U
4-Methyl-2-pentanone	84	U	350	U
trans-1,3-Dichloropropene	3.4	U	15	U
1,1,2-Trichloroethane	3.4	U	18	U
Toluene	8.4	U	32	U
Dibromochloromethane	3.4	U	29	U
1,2-Dibromoethane	3.4	U	26	U
Tetrachloroethene	3.4	U	23	U
1,1,1,2-Tetrachloroethane	3.4	U	23	U
Chlorobenzene	3.4	U	16	U
Ethylbenzene	3.4	U	15	U
p+m-Xylene	6.8	U	29	U
Bromoform	3.4	U	35	U
Styrene	3.4	U	14	U

Volatile Organics by TO-15

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **MP-4**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **0706153-08E**
Associated Blank: **VA071207B02**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/06/07	1.4792	250	169.01	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
1,1,2,2-Tetrachloroethane	3.4	U	23	U
o-Xylene	3.4	U	15	U
Isopropylbenzene	84	U	420	U
1,3,5-Trimethylbenzene	3.4	U	17	U
1,2,4-Trimethylbenzene	3.4	U	17	U
1,3-Dichlorobenzene	3.4	U	20	U
1,4-Dichlorobenzene	3.4	U	20	U
sec-Butylbenzene	84	U	420	U
p-Isopropyltoluene	6.8	U	37	U
1,2-Dichlorobenzene	3.4	U	20	U
n-Butylbenzene	34	U	180	U

N/A - Not Applicable
U - The analyte was analyzed for but not detected at the sample specific level reported.

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Blank
Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Blank**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **VA071107B28**
Associated Blank: **N/A**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	07/02/07	250	250	1	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
Dichlorodifluoromethane	0.02	U	0.10	U
Chloromethane	0.04	U	0.08	U
Vinyl chloride	0.02	U	0.05	U
Chloroethane	0.02	U	0.05	U
Acetone	1.0	U	2.4	U
Trichlorofluoromethane	0.02	U	0.11	U
Acrylonitrile	0.50	U	1.1	U
1,1-Dichloroethene	0.02	U	0.08	U
Methylene chloride	0.50	U	1.7	U
trans-1,2-Dichloroethene	0.02	U	0.08	U
1,1-Dichloroethane	0.02	U	0.08	U
MTBE	0.02	U	0.07	U
2-Butanone	0.20	U	0.59	U
cis-1,2-Dichloroethene	0.02	U	0.08	U
Chloroform	0.02	U	0.10	U
1,2-Dichloroethane	0.02	U	0.08	U
1,1,1-Trichloroethane	0.02	U	0.11	U
Benzene	0.04	U	0.13	U
Carbon tetrachloride	0.02	U	0.13	U
1,2-Dichloropropane	0.02	U	0.09	U
Bromodichloromethane	0.02	U	0.13	U
Trichloroethene	0.02	U	0.11	U
cis-1,3-Dichloropropene	0.02	U	0.09	U
4-Methyl-2-pentanone	0.50	U	2.0	U
trans-1,3-Dichloropropene	0.02	U	0.09	U
1,1,2-Trichloroethane	0.02	U	0.11	U
Toluene	0.05	U	0.19	U
Dibromochloromethane	0.02	U	0.17	U
1,2-Dibromoethane	0.02	U	0.15	U
Tetrachloroethene	0.02	U	0.14	U
1,1,1,2-Tetrachloroethane	0.02	U	0.14	U
Chlorobenzene	0.02	U	0.09	U
Ethylbenzene	0.02	U	0.09	U
p+m-Xylene	0.04	U	0.17	U
Bromoform	0.02	U	0.21	U
Styrene	0.02	U	0.09	U

Blank
Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Blank**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **VA071107B28**
Associated Blank: **N/A**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	07/02/07	250	250	1	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
1,1,2,2-Tetrachloroethane	0.02	U	0.14	U
o-Xylene	0.02	U	0.09	U
Isopropylbenzene	0.50	U	2.5	U
1,3,5-Trimethylbenzene	0.02	U	0.10	U
1,2,4-Trimethylbenzene	0.02	U	0.10	U
1,3-Dichlorobenzene	0.02	U	0.12	U
1,4-Dichlorobenzene	0.02	U	0.12	U
sec-Butylbenzene	0.50	U	2.5	U
p-Isopropyltoluene	0.04	U	0.22	U
1,2-Dichlorobenzene	0.02	U	0.12	U
n-Butylbenzene	0.20	U	1.1	U

N/A - Not Applicable
U - The analyte was analyzed for but not detected at the sample specific level reported.

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Blank
Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Blank**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **VA071207B02**
Associated Blank: **N/A**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	07/06/07	250	250	1	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
Dichlorodifluoromethane	0.02	U	0.10	U
Chloromethane	0.04	U	0.08	U
Vinyl chloride	0.02	U	0.05	U
Chloroethane	0.02	U	0.05	U
Acetone	1.0	U	2.4	U
Trichlorofluoromethane	0.02	U	0.11	U
Acrylonitrile	0.50	U	1.1	U
1,1-Dichloroethene	0.02	U	0.08	U
Methylene chloride	0.50	U	1.7	U
trans-1,2-Dichloroethene	0.02	U	0.08	U
1,1-Dichloroethane	0.02	U	0.08	U
MTBE	0.02	U	0.07	U
2-Butanone	0.20	U	0.59	U
cis-1,2-Dichloroethene	0.02	U	0.08	U
Chloroform	0.02	U	0.10	U
1,2-Dichloroethane	0.02	U	0.08	U
1,1,1-Trichloroethane	0.02	U	0.11	U
Benzene	0.04	U	0.13	U
Carbon tetrachloride	0.02	U	0.13	U
1,2-Dichloropropane	0.02	U	0.09	U
Bromodichloromethane	0.02	U	0.13	U
Trichloroethene	0.02	U	0.11	U
cis-1,3-Dichloropropene	0.02	U	0.09	U
4-Methyl-2-pentanone	0.50	U	2.0	U
trans-1,3-Dichloropropene	0.02	U	0.09	U
1,1,2-Trichloroethane	0.02	U	0.11	U
Toluene	0.05	U	0.19	U
Dibromochloromethane	0.02	U	0.17	U
1,2-Dibromoethane	0.02	U	0.15	U
Tetrachloroethene	0.02	U	0.14	U
1,1,1,2-Tetrachloroethane	0.02	U	0.14	U
Chlorobenzene	0.02	U	0.09	U
Ethylbenzene	0.02	U	0.09	U
p+m-Xylene	0.04	U	0.17	U
Bromoform	0.02	U	0.21	U
Styrene	0.02	U	0.09	U

Blank
Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Blank**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **VA071207B02**
Associated Blank: **N/A**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	07/06/07	250	250	1	JEG

Parameter	Raw Amount ppbv	Result µg/m³
1,1,2,2-Tetrachloroethane	0.02 U	0.14 U
o-Xylene	0.02 U	0.09 U
Isopropylbenzene	0.50 U	2.5 U
1,3,5-Trimethylbenzene	0.02 U	0.10 U
1,2,4-Trimethylbenzene	0.02 U	0.10 U
1,3-Dichlorobenzene	0.02 U	0.12 U
1,4-Dichlorobenzene	0.02 U	0.12 U
sec-Butylbenzene	0.50 U	2.5 U
p-Isopropyltoluene	0.04 U	0.22 U
1,2-Dichlorobenzene	0.02 U	0.12 U
n-Butylbenzene	0.20 U	1.1 U

N/A - Not Applicable
U - The analyte was analyzed for but not detected at the sample specific level reported.

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Laboratory Control Summary
Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Laboratory Control Sample**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **See Below**
Associated Blank: **VA071107B28**
Concentration Units: **µg/m³**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	07/02/07	250	250	1	JEG

	VA071107B28		VA071107LCS14		
Parameter	Blank Conc.		LCS Conc.	LCS % Recovery	% Recovery Limits
Dichlorodifluoromethane	0.10	U	29	117	70-130
Chloromethane	0.08	U	12	116	70-130
Vinyl chloride	0.05	U	14	114	70-130
Chloroethane	0.05	U	14	103	70-130
Acetone	2.4	U	10	84	70-130
Trichlorofluoromethane	0.11	U	30	105	70-130
Acrylonitrile	1.1	U	12	109	70-130
1,1-Dichloroethene	0.08	U	20	103	70-130
Methylene chloride	1.7	U	17	96	70-130
trans-1,2-Dichloroethene	0.08	U	19	97	70-130
1,1-Dichloroethane	0.08	U	20	99	70-130
MTBE	0.07	U	15	83	70-130
2-Butanone	0.59	U	13	91	70-130
cis-1,2-Dichloroethene	0.08	U	20	103	70-130
Chloroform	0.10	U	26	106	70-130
1,2-Dichloroethane	0.08	U	20	100	70-130
1,1,1-Trichloroethane	0.11	U	33	121	70-130
Benzene	0.13	U	15	95	70-130
Carbon tetrachloride	0.13	U	37	117	70-130
1,2-Dichloropropane	0.09	U	24	105	70-130
Bromodichloromethane	0.13	U	40	120	70-130
Trichloroethene	0.11	U	30	110	70-130
cis-1,3-Dichloropropene	0.09	U	27	117	70-130
4-Methyl-2-pentanone	2.0	U	26	126	70-130
trans-1,3-Dichloropropene	0.09	U	23	99	70-130
1,1,2-Trichloroethane	0.11	U	29	107	70-130
Toluene	0.19	U	16	86	70-130
Dibromochloromethane	0.17	U	48	114	70-130
1,2-Dibromoethane	0.15	U	37	97	70-130
Tetrachloroethene	0.14	U	34	99	70-130
1,1,1,2-Tetrachloroethane	0.14	U	38	111	70-130
Chlorobenzene	0.09	U	22	95	70-130
Ethylbenzene	0.09	U	20	92	70-130

Laboratory Control Summary
Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Laboratory Control Sample**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **See Below**
Associated Blank: **VA071107B28**
Concentration Units: **µg/m³**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	07/02/07	250	250	1	JEG

	VA071107B28		VA071107LCS14		
Parameter	Blank Conc.		LCS Conc.	LCS % Recovery	% Recovery Limits
p+m-Xylene	0.17	U	43	99	70-130
Bromoform	0.21	U	62	120	70-130
Styrene	0.09	U	19	87	70-130
1,1,2,2-Tetrachloroethane	0.14	U	30	88	70-130
o-Xylene	0.09	U	20	90	70-130
Isopropylbenzene	2.5	U	23	93	70-130
1,3,5-Trimethylbenzene	0.10	U	23	92	70-130
1,2,4-Trimethylbenzene	0.10	U	23	94	70-130
1,3-Dichlorobenzene	0.12	U	27	91	70-130
1,4-Dichlorobenzene	0.12	U	27	91	70-130
sec-Butylbenzene	2.5	U	24	100	70-130
p-Isopropyltoluene	0.22	U	24	89	70-130
1,2-Dichlorobenzene	0.12	U	27	91	70-130
n-Butylbenzene	1.1	U	24	89	70-130

N/A - Not Applicable
U - The analyte was analyzed for but not detected at the sample specific level reported.

Concentrations reported as calculated values, which includes rounding for significant figures. Percent recoveries and RPD values are calculated from the unrounded result.

07/12/07 14:20

Laboratory Control Summary
Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Laboratory Control Sample**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **See Below**
Associated Blank: **VA071207B02**
Concentration Units: **µg/m³**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	07/06/07	250	250	1	JEG

	VA071207B02	VA071207LCS02		
Parameter	Blank Conc.	LCS Conc.	LCS % Recovery	% Recovery Limits
Dichlorodifluoromethane	0.10 U	28	111	70-130
Chloromethane	0.08 U	11	104	70-130
Vinyl chloride	0.05 U	12	97	70-130
Chloroethane	0.05 U	12	89	70-130
Acetone	2.4 U	9.0	75	70-130
Trichlorofluoromethane	0.11 U	24	86	70-130
Acrylonitrile	1.1 U	9.0	83	70-130
1,1-Dichloroethene	0.08 U	16	81	70-130
Methylene chloride	1.7 U	14	82	70-130
trans-1,2-Dichloroethene	0.08 U	15	76	70-130
1,1-Dichloroethane	0.08 U	16	81	70-130
MTBE	0.07 U	11	60[a]	70-130
2-Butanone	0.59 U	11	74	70-130
cis-1,2-Dichloroethene	0.08 U	16	81	70-130
Chloroform	0.10 U	22	88	70-130
1,2-Dichloroethane	0.08 U	17	83	70-130
1,1,1-Trichloroethane	0.11 U	27	100	70-130
Benzene	0.13 U	12	76	70-130
Carbon tetrachloride	0.13 U	30	96	70-130
1,2-Dichloropropane	0.09 U	20	87	70-130
Bromodichloromethane	0.13 U	33	98	70-130
Trichloroethene	0.11 U	24	89	70-130
cis-1,3-Dichloropropene	0.09 U	20	90	70-130
4-Methyl-2-pentanone	2.0 U	20	100	70-130
trans-1,3-Dichloropropene	0.09 U	17	75	70-130
1,1,2-Trichloroethane	0.11 U	23	85	70-130
Toluene	0.19 U	12	64[a]	70-130
Dibromochloromethane	0.17 U	36	85	70-130
1,2-Dibromoethane	0.15 U	28	73	70-130
Tetrachloroethene	0.14 U	24	71	70-130
1,1,1,2-Tetrachloroethane	0.14 U	28	83	70-130
Chlorobenzene	0.09 U	16	71	70-130
Ethylbenzene	0.09 U	14	66[a]	70-130

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Laboratory Control Summary
Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Laboratory Control Sample**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706153**
Lab ID: **See Below**
Associated Blank: **VA071207B02**
Concentration Units: **µg/m³**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	07/06/07	250	250	1	JEG

	VA071207B02		VA071207LCS02		
Parameter	Blank Conc.		LCS Conc.	LCS % Recovery	% Recovery Limits
p+m-Xylene	0.17	U	32	73	70-130
Bromoform	0.21	U	45	87	70-130
Styrene	0.09	U	13	60[a]	70-130
1,1,2,2-Tetrachloroethane	0.14	U	24	70	70-130
o-Xylene	0.09	U	14	66[a]	70-130
Isopropylbenzene	2.5	U	16	66[a]	70-130
1,3,5-Trimethylbenzene	0.10	U	16	66[a]	70-130
1,2,4-Trimethylbenzene	0.10	U	16	67[a]	70-130
1,3-Dichlorobenzene	0.12	U	20	67[a]	70-130
1,4-Dichlorobenzene	0.12	U	20	66[a]	70-130
sec-Butylbenzene	2.5	U	18	72	70-130
p-Isopropyltoluene	0.22	U	17	62[a]	70-130
1,2-Dichlorobenzene	0.12	U	20	65[a]	70-130
n-Butylbenzene	1.1	U	17	63[a]	70-130

N/A - Not Applicable
[a] - Value outside of QC Limits.
U - The analyte was analyzed for but not detected at the sample specific level reported.

Concentrations reported as calculated values, which includes rounding for significant figures. Percent recoveries and RPD values are calculated from the unrounded result.

07/13/07 13:47

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Date Rec'd in Lab:

ALPHA Job #: 0706153

Client Information

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

☒ These samples have been previously analyzed by Alpha

Project Information

Project Name: Adelaide Ave School
Project Location: Providence, RI
Project #: 6196501-1005
Project Manager: peter Grivers
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH *(only confirmed if pre-approved!)*
5 DAYS
TO-13: 10 DAYS
Date Due: **Time:**

Report Information - Data Deliverables

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

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Other Project Specific Requirements/Comments:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Start Time	Collection End Time	Sample Matrix	Sampler's Initials	ID Can	ID - Flow Controller	TO-14A	TO-15	TO-15 SIM	APH	DISSOLVED GASES	FIXED GASES	TO-13A	TO-15 SULFIDES/MERCAPTANS	DISS GASES CO2 ONLY	TO-4/TO-10	Sample Comments (i.e. PID)
-1	MP-1	6-29-07	0930	1000	SV	DA	348	0111			X								PID = 2.42 PPM
-2	MP-2		0940	1010			511	0132											PID = 0.802 PPM
-3	MP-3		0950	1020			425	0176											PID = 0.895 PPM
-4	MP-6		1025	1055			507	0186											PID = 2.86 PPM
-5	MP-8		1040	1110			331	0041											PID = 1.92 PPM
-6	MP-7		1105	1135			392	0047											PID = 0.101 PPM
-7	MP-5		1120	1150			513	0049											PID = 1.54 PPM
-8	MP-4		1130	1200	SV		173	0046											PID = 1.19 PPM

Shaded Gray Areas For Lab Use Only

Container Type: CS

Relinquished By:	Date/Time	Received By:	Date/Time:
	6/29/07 1545		6/29/07 1545

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.

Form No: 01-03 (rev. 28-NOV-06)

Certificate/Approval Program Summary

Method numbers assume the most recent EPA revisions. For a complete listing of analytes for the referenced methods please contact your Alpha Woods Hole Lab Project Manager or the Quality Assurance Manager.

Connecticut Department of Public Health Certificate/Lab ID : PH-0141 - *Wastewater* (General Chemistry: EPA 120.1, 150.1, 160.1, 160.2, 180.1, 300.0, 310.1, 335.2, 365.2; Metals: 200.8, 245.1; Organics: 608, 624, 625, ETPH) *Solid Waste/Soil* (General Chemistry: 1010, 9010/9014, 9045, 9060; Metals: 6020, 7470, 7471; Organics: 8081, 8082, 8260, 8270, ETPH).

Florida Department of Health Certificate/Lab ID : E87814 - Primary NELAP Accreditation Authority for Air & Emissions. Secondary NELAP Accreditation for Wastwater and Solid & Hazardous Waste. *Wastewater* (General Chemistry: EPA 120.1/SM2510B, 150.1, 160.1/SM2540C, 160.2/SM2540D, 180.1, 300.0, 335.2, 365.2, SM2320B, SM2340B, SM2540G, SM4500NH3; Metals: 245.1; Organics: 608, 624, 625). *Solid and Hazardous Waste* (General Chemistry: 9010/9014, 9045, 9050, 9056, 9065, Reactivity 7.3; Metals: 6020, 7470, 7471; Organics: 8081, 8082, 8260, 8270). *Air & Emissions* (Organics: EPA TO-15).

Louisiana Department of Environmental Quality Certificate/Lab ID : 03090 - Primary NELAP Accrediting Authority for Wastewater, Solid & Hazardous Waste. *Wastewater* (General Chemistry: EPA 120.1/SM2510B, 150.1, 160.1/SM2540C, 160.2/SM2540D, 180.1, 300.0, 310.1/SM2320B, 335.2, 365.2, 376.2, 9010/9014, 9056, SM2540G; Metals: 200.8, 245.1, 6020; Organics: 608, 624, 625, 8015-DRO/GRO, 8081, 8082, 8260, 8270). *Solid and Hazardous Waste* (General Chemistry: 1010, 1311, 9010/9014, 9040, 9045, 9056, 9060, Reactivity 7.3; Metals: 6020, 7196, 7470, 7471; Organics: 8015-DRO/GRO, 8081, 8082, 8260, 8270).

Maine Department of Human Services Certificate/Lab ID : MA0030 - *Wastewater* (General Chemistry: EPA 120.1/ SM2510B, 160.1/SM2540C, 160.2/SM2540D, 300.0, 310.1/SM2320B, 335.2, 365.2; Metals: EPA 245.1; Organics: 608, 624).

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA030 - *Wastewater* (General Chemistry: EPA 120.1/SM2510B, 150.1, 160.1/SM2540C, 160.2/SM2540D, 300.0, 310.1/SM2320B, 335.2, 365.2; Metals: EPA 245.1; Organics: EPA 608, 624).

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206 - Secondary NELAP Accreditation. *Wastewater* (General Chemistry: EPA 120.1/SM2510B, 150.1, 160.1/SM2540C, 160.2/SM2540D, 180.1, 300.0, 310.1/SM2320B, 335.2, 365.2, 376.2, SM2540G; Metals: 200.8, 245.4; Organics: 608, 624, 625).

New Jersey Department of Environmental Protection Certificate/Lab ID : MA015 - Secondary NELAP Accreditation. *Wastewater* (General Chemistry: EPA 120.1/SM2510B, 150.1, 160.1/SM2540C, 160.2/SM2540D, 180.1, 300.0, 310.1/SM2320B, 335.2, 376.2, 9010/9014, 9056, SM2540G; Metals: 200.8, 245.1 6020; Organics: 608, 624, 625, 8081, 8082, 8260, 8270). *Solid & Hazardous Waste* (General Chemistry: EPA 1010, 1311, 9010/9014, 9040, 9045, 9056, 9060; Metals: 6020, 7196, 7470, 7471; Organics: 8015-DRO/GRO, 8081, 8082, 8260, 8270). *Air & Emissions* (Organics: EPA TO-15).

New York Department of Health Certificate/Lab ID : 11627 - Secondary NELAP Accreditation. *Wastewater* (General Chemistry: EPA 120.1/SM2510B, 150.1, 160.1/SM2540C, 160.2/SM2540D, 300.0, 310.1/SM2320B, 365.2, 376.2; Metals: 245.1; Organics: 608, 624, 625). *Solid and Hazardous Waste* (General Chemistry: EPA 1010, 1311; : 245.1; 6020, 7041; Organics: 8081, 8082, 8260, 8270). *Air & Emissions* (Organics: EPA TO-15).

Rhode Island Department of Health Certificate/Lab ID : LAO00289 - Chemistry: *Organic and Inorganic in Non-Poratable Water, Wastewater/Sewage and Soil* (Refer to LADEQ and MADEP certificates for method numbers.)

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

U.S. Army Corps of Engineers

Department of the Navy

Adelaide Avenue School - Sub Slab Depressurization System Emissions Calculations
Sample Date - 29 June 2007

Volatile Organic Compounds	ROOFTOP FAN 1 (Measured air flow = 108 cubic feet per minute)				ROOFTOP FAN 2 (Measured air flow = 190 cubic feet per minute)				ROOFTOP FAN 3 (Measured air flow = 124 cubic feet per minute)				CUMULATIVE EMISSIONS (3 fans combined)		
	Concentration (ug/m^3)	Hourly Emission (lbs/hour)	Daily Emission (lbs/day)	Yearly Emission (lbs/year)	Concentration (ug/m^3)	Hourly Emission (lbs/hour)	Daily Emission (lbs/day)	Yearly Emission (lbs/year)	Concentration (ug/m^3)	Hourly Emission (lbs/hour)	Daily Emission (lbs/day)	Yearly Emission (lbs/year)	Hourly Emission (lbs/hour)	Daily Emission (lbs/day)	Yearly Emission (lbs/year)
1,1,1,2-Tetrachloroethane	0.14 U	5.65E-08	1.36E-06	4.95E-04	0.14 U	9.94E-08	2.39E-06	8.71E-04	0.14 U	6.49E-08	1.56E-06	5.68E-04	2.21E-07	5.30E-06	1.93E-03
1,1,1-Trichloroethane	2.8	1.13E-06	2.71E-05	9.90E-03	2.8	1.99E-06	4.77E-05	1.74E-02	1.5	6.95E-07	1.67E-05	6.09E-03	3.81E-06	9.15E-05	3.34E-02
1,1,2,2-Tetrachloroethane	0.14 U	5.65E-08	1.36E-06	4.95E-04	0.14 U	9.94E-08	2.39E-06	8.71E-04	0.14 U	6.49E-08	1.56E-06	5.68E-04	2.21E-07	5.30E-06	1.93E-03
1,1,2-Trichloroethane	0.11 U	4.44E-08	1.07E-06	3.89E-04	0.11 U	7.81E-08	1.88E-06	6.84E-04	0.11 U	5.10E-08	1.22E-06	4.47E-04	1.74E-07	4.16E-06	1.52E-03
1,1-Dichloroethane	0.12	4.84E-08	1.16E-06	4.24E-04	0.08 U	5.68E-08	1.36E-06	4.98E-04	0.08 U	3.71E-08	8.90E-07	3.25E-04	1.42E-07	3.42E-06	1.25E-03
1,1-Dichloroethene	0.08 U	3.23E-08	7.75E-07	2.83E-04	0.08 U	5.68E-08	1.36E-06	4.98E-04	0.08 U	3.71E-08	8.90E-07	3.25E-04	1.26E-07	3.03E-06	1.11E-03
1,2,4-Trimethylbenzene	1.7	6.86E-07	1.65E-05	6.01E-03	3.2	2.27E-06	5.45E-05	1.99E-02	2.8	1.30E-06	3.12E-05	1.14E-02	4.26E-06	1.02E-04	3.73E-02
1,2-Dibromoethane	0.15 U	6.06E-08	1.45E-06	5.31E-04	0.15 U	1.07E-07	2.56E-06	9.33E-04	0.15 U	6.95E-08	1.67E-06	6.09E-04	2.37E-07	5.68E-06	2.07E-03
1,2-Dichlorobenzene	0.12 U	4.84E-08	1.16E-06	4.24E-04	0.12 U	8.52E-08	2.05E-06	7.47E-04	0.12 U	5.56E-08	1.34E-06	4.87E-04	1.89E-07	4.54E-06	1.66E-03
1,2-Dichloroethane	0.08 U	3.23E-08	7.75E-07	2.83E-04	0.08 U	5.68E-08	1.36E-06	4.98E-04	0.08 U	3.71E-08	8.90E-07	3.25E-04	1.26E-07	3.03E-06	1.11E-03
1,2-Dichloropropane	0.09 U	3.63E-08	8.72E-07	3.18E-04	0.09 U	6.39E-08	1.53E-06	5.60E-04	0.09 U	4.17E-08	1.00E-06	3.65E-04	1.42E-07	3.41E-06	1.24E-03
1,3,5-Trimethybenzene	0.9	3.63E-07	8.72E-06	3.18E-03	1.8	1.28E-06	3.07E-05	1.12E-02	2.2 U	1.02E-06	2.45E-05	8.93E-03	2.66E-06	6.39E-05	2.33E-02
1,3-Dichlorobenzene	0.12 U	4.84E-08	1.16E-06	4.24E-04	0.12 U	8.52E-08	2.05E-06	7.47E-04	0.12 U	5.56E-08	1.34E-06	4.87E-04	1.89E-07	4.54E-06	1.66E-03
1,4-Dichlorobenzene	76	3.07E-05	7.36E-04	2.69E-01	100	7.10E-05	1.70E-03	6.22E-01	66	3.06E-05	7.34E-04	2.68E-01	1.32E-04	3.18E-03	1.16E+00
2-Butanone	2.8	1.13E-06	2.71E-05	9.90E-03	32	2.27E-05	5.45E-04	1.99E-01	18	8.34E-06	2.00E-04	7.31E-02	3.22E-05	7.73E-04	2.82E-01
4-Methyl-2-pentanone	2 U	8.07E-07	1.94E-05	7.07E-03	2 U	1.42E-06	3.41E-05	1.24E-02	2 U	9.27E-07	2.23E-05	8.12E-03	3.16E-06	7.57E-05	2.76E-02
Acetone	25	1.01E-05	2.42E-04	8.84E-02	110	7.81E-05	1.88E-03	6.84E-01	33	1.53E-05	3.67E-04	1.34E-01	1.04E-04	2.48E-03	9.07E-01
Acrylonitrile	1.1 U	4.44E-07	1.07E-05	3.89E-03	1.1 U	7.81E-07	1.88E-05	6.84E-03	1.1 U	5.10E-07	1.22E-05	4.47E-03	1.74E-06	4.16E-05	1.52E-02
Benzene	0.23	9.29E-08	2.23E-06	8.13E-04	0.46	3.27E-07	7.84E-06	2.86E-03	0.33	1.53E-07	3.67E-06	1.34E-03	5.73E-07	1.37E-05	5.02E-03
Bromodichloromethane	0.13 U	5.25E-08	1.26E-06	4.60E-04	0.13 U	9.23E-08	2.22E-06	8.09E-04	0.13 U	6.03E-08	1.45E-06	5.28E-04	2.05E-07	4.92E-06	1.80E-03
Bromoform	0.21 U	8.48E-08	2.03E-06	7.43E-04	0.21 U	1.49E-07	3.58E-06	1.31E-03	0.21 U	9.73E-08	2.34E-06	8.53E-04	3.31E-07	7.95E-06	2.90E-03
Carbon tetrachloride	0.5	2.02E-07	4.84E-06	1.77E-03	0.49	3.48E-07	8.35E-06	3.05E-03	0.46	2.13E-07	5.12E-06	1.87E-03	7.63E-07	1.83E-05	6.68E-03
Chlorobenzene	0.09 U	3.63E-08	8.72E-07	3.18E-04	0.09 U	6.39E-08	1.53E-06	5.60E-04	0.09 U	4.17E-08	1.00E-06	3.65E-04	1.42E-07	3.41E-06	1.24E-03
Chloroethane	0.05 U	2.02E-08	4.84E-07	1.77E-04	0.18	1.28E-07	3.07E-06	1.12E-03	0.1	4.64E-08	1.11E-06	4.06E-04	1.94E-07	4.67E-06	1.70E-03
Chloroform	0.36	1.45E-07	3.49E-06	1.27E-03	0.39	2.77E-07	6.65E-06	2.43E-03	1.4	6.49E-07	1.56E-05	5.68E-03	1.07E-06	2.57E-05	9.38E-03
Chloromethane	0.08 U	3.23E-08	7.75E-07	2.83E-04	0.08 U	5.68E-08	1.36E-06	4.98E-04	0.08 U	3.71E-08	8.90E-07	3.25E-04	1.26E-07	3.03E-06	1.11E-03
cis-1,2-Dichloroethene	0.08	3.23E-08	7.75E-07	2.83E-04	0.08 U	5.68E-08	1.36E-06	4.98E-04	0.08 U	3.71E-08	8.90E-07	3.25E-04	1.26E-07	3.03E-06	1.11E-03
cis-1,3-Dichloropropene	0.09 U	3.63E-08	8.72E-07	3.18E-04	0.09 U	6.39E-08	1.53E-06	5.60E-04	0.09 U	4.17E-08	1.00E-06	3.65E-04	1.42E-07	3.41E-06	1.24E-03
Dibromochloromethane	0.17 U	6.86E-08	1.65E-06	6.01E-04	0.17 U	1.21E-07	2.90E-06	1.06E-03	0.17 U	7.88E-08	1.89E-06	6.90E-04	2.68E-07	6.44E-06	2.35E-03
Dichlorodifluoromethane	2.2	8.88E-07	2.13E-05	7.78E-03	2.3	1.63E-06	3.92E-05	1.43E-02	2.4	1.11E-06	2.67E-05	9.75E-03	3.63E-06	8.72E-05	3.18E-02
Ethylbenzene	0.3	1.21E-07	2.91E-06	1.06E-03	0.84	5.97E-07	1.43E-05	5.23E-03	17	7.88E-06	1.89E-04	6.90E-02	8.60E-06	2.06E-04	7.53E-02
Isopropylbenzene	2.5 U	1.01E-06	2.42E-05	8.84E-03	2.5 U	1.78E-06	4.26E-05	1.56E-02	2.5 U	1.16E-06	2.78E-05	1.02E-02	3.94E-06	9.47E-05	3.45E-02
Methyl tert butyl ether	0.07 U	2.83E-08	6.78E-07	2.48E-04	0.18	1.28E-07	3.07E-06	1.12E-03	4.6	2.13E-06	5.12E-05	1.87E-02	2.29E-06	5.49E-05	2.00E-02
Methylene chloride	7.5	3.03E-06	7.27E-05	2.65E-02	6.7	4.76E-06	1.14E-04	4.17E-02	6.6	3.06E-06	7.34E-05	2.68E-02	1.08E-05	2.60E-04	9.50E-02
n-Butylbenzene	1.1 U	4.44E-07	1.07E-05	3.89E-03	1.1 U	7.81E-07	1.88E-05	6.84E-03	1.1 U	5.10E-07	1.22E-05	4.47E-03	1.74E-06	4.16E-05	1.52E-02
o-Xylene	0.4	1.61E-07	3.88E-06	1.41E-03	1.1	7.81E-07	1.88E-05	6.84E-03	6.9	3.20E-06	7.68E-05	2.80E-02	4.14E-06	9.94E-05	3.63E-02
p-Isopropyltoluene	0.22 U	8.88E-08	2.13E-06	7.78E-04	0.22 U	1.56E-07	3.75E-06	1.37E-03	0.22 U	1.02E-07	2.45E-06	8.93E-04	3.47E-07	8.33E-06	3.04E-03
p/m-Xylene	1	4.04E-07	9.69E-06	3.54E-03	2.8	1.99E-06	4.77E-05	1.74E-02	25	1.16E-05	2.78E-04	1.02E-01	1.40E-05	3.36E-04	1.22E-01
sec-Butylbenzene	2.5 U	1.01E-06	2.42E-05	8.84E-03	2.5 U	1.78E-06	4.26E-05	1.56E-02	2.5 U	1.16E-06	2.78E-05	1.02E-02	3.94E-06	9.47E-05	3.45E-02
Styrene	0.23	9.29E-08	2.23E-06	8.13E-04	0.67	4.76E-07	1.14E-05	4.17E-03	0.44	2.04E-07	4.90E-06	1.79E-03	7.73E-07	1.85E-05	6.77E-03
Tetrachloroethene	14	5.65E-06	1.36E-04	4.95E-02	3.9	2.77E-06	6.65E-05	2.43E-02	10	4.64E-06	1.11E-04	4.06E-02	1.31E-05	3.13E-04	1.14E-01
Toluene	1.8	7.27E-07	1.74E-05	6.37E-03	9.1	6.46E-06	1.55E-04	5.66E-02	40	1.85E-05	4.45E-04	1.62E-01	2.57E-05	6.18E-04	2.25E-01
trans-1,2-Dichloroethene	0.08 U	3.23E-08	7.75E-07	2.83E-04	0.08 U	5.68E-08	1.36E-06	4.98E-04	0.08 U	3.71E-08	8.90E-07	3.25E-04	1.26E-07	3.03E-06	1.11E-03
trans-1,3-Dichloropropene	0.09 U	3.63E-08	8.72E-07	3.18E-04	0.09 U	6.39E-08	1.53E-06	5.60E-04	0.09 U	4.17E-08	1.00E-06	3.65E-04	1.42E-07	3.41E-06	1.24E-03
Trichloroethene	83	3.35E-05	8.04E-04	2.94E-01	62	4.40E-05	1.06E-03	3.86E-01	6.5 U	3.01E-06	7.23E-05	2.64E-02	8.06E-05	1.93E-03	7.06E-01
Trichlorofluoromethane	100	4.04E-05	9.69E-04	3.54E-01	200	1.42E-04	3.41E-03	1.24E+00	48	2.23E-05	5.34E-04	1.95E-01	2.05E-04	4.91E-03	1.79E+00
Vinyl chloride	0.05 U	2.02E-08	4.84E-07	1.77E-04	0.05 U	3.55E-08	8.52E-07	3.11E-04	0.05 U	2.32E-08	5.56E-07	2.03E-04	7.89E-08	1.89E-06	6.91E-04
Total VOCs	3.32E+02	Not Applicable	Not Applicable	1.18E+00	553	Not Applicable	Not Applicable	3.44E+00	3.05E+02	Not Applicable	Not Applicable	1.24E+00	Not Applicable	Not Applicable	5.85E+00
RIDEM Air Pollution Control Permit Applicability Thresholds (lbs) *		**10**	**100**	**20,000 (Individual VOCs) 50,000 (Total VOCs)**		**10**	**100**	**20,000 (Individual VOCs) 50,000 (Total VOCs)**		**10**	**100**	**20,000 (Individual VOCs) 50,000 (Total VOCs)**	**10**	**100**	**20,000 (Individual VOCs) 50,000 (Total VOCs)**

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

Hourly Emissions (lbs/hour) = VOC concentration (ug/m^3) x measured flow rate (cfm) x 0.02832 m^3/ft^3 x 60 min/hour x 0.001 mg/ug x 0.001 g/mg x 0.0022 lb/g.

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

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

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

ANALYTICAL REPORT

Prepared for:
EA Engineering, Science & Technology
2350 Post Road
Warwick, RI 02886

Project:	Adelaide Ave. School
ETR:	0706155
Report Date:	July 12, 2007

Certifications and Accreditations
Massachusetts M-MA030
Connecticut PH-0141
New Hampshire 2206
Rhode Island LAO00289
New Jersey MA015
Maine MA0030
New York 11627
Louisiana 03090
Florida E87814
Pennsylvania 68-02089
Army Corps of Engineers
Department of the Navy

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320 Forbes Blvd, Mansfield, MA 02048, (508) 822-9300, Fax (508) 822-3288

Sample ID Cross Reference

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**

Lab Code: **MA00030**
ETR: **0706155**

Lab Sample ID	Client Sample ID
0706155-01	Rooftop #3
0706155-02	Rooftop #2
0706155-03	Rooftop #1

CASE NARRATIVE
Alpha Woods Hole Lab

ETR: 0706155
Project: Adelaide Ave. School

All analyses were performed according to Alpha Woods Hole Labs quality assurance program and documented Standard Operating Procedures (SOPs). The analytical results contained in this report were performed within holding time, and with appropriate quality control measures, except where noted. A summary of all state and federal accreditations is provided within this report. Blank correction of results is not performed in the laboratory for any parameter.

Volatile Organics by TO-15 SIM

1. The specified quality control measures were met.

The enclosed results of analyses are representative of the samples as received by the laboratory. Alpha Woods Hole Labs makes no representations or certifications as to the method of sample collection, sample identification, or transporting/handling procedures used prior to the receipt of samples by Alpha Woods Hole Labs. To the best of my knowledge, the information contained in this report is accurate and complete.

Approved by: _____ Title: Organics manager Date: 7/12/07
Elizabeth Porta **Organics Manager**

Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Rooftop #3**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706155**
Lab ID: **0706155-01**
Associated Blank: **VA071107B28**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/03/07	250	250	1	JEG

Parameter	Raw Amount ppbv	Result µg/m³
Dichlorodifluoromethane	**0.48**	**2.4**
Chloromethane	0.04 U	0.08 U
Vinyl chloride	0.02 U	0.05 U
Chloroethane	**0.04**	**0.10**
Acetone	**14**	**33**
Trichlorofluoromethane	**8.6**	**48**
Acrylonitrile	0.50 U	1.1 U
1,1-Dichloroethene	0.02 U	0.08 U
Methylene chloride	**1.9**	**6.6**
trans-1,2-Dichloroethene	0.02 U	0.08 U
1,1-Dichloroethane	0.02 U	0.08 U
MTBE	**1.3**	**4.6**
2-Butanone	**6.3**	**18**
cis-1,2-Dichloroethene	0.02 U	0.08 U
Chloroform	**0.30**	**1.4**
1,2-Dichloroethane	0.02 U	0.08 U
1,1,1-Trichloroethane	**0.27**	**1.5**
Benzene	**0.10**	**0.33**
Carbon tetrachloride	**0.07**	**0.46**
1,2-Dichloropropane	0.02 U	0.09 U
Bromodichloromethane	0.02 U	0.13 U
Trichloroethene	**1.2**	**6.5**
cis-1,3-Dichloropropene	0.02 U	0.09 U
4-Methyl-2-pentanone	0.50 U	2.0 U
trans-1,3-Dichloropropene	0.02 U	0.09 U
1,1,2-Trichloroethane	0.02 U	0.11 U
Toluene	**11**	**40**
Dibromochloromethane	0.02 U	0.17 U
1,2-Dibromoethane	0.02 U	0.15 U
Tetrachloroethene	**1.5**	**10**
1,1,1,2-Tetrachloroethane	0.02 U	0.14 U
Chlorobenzene	0.02 U	0.09 U
Ethylbenzene	**3.9**	**17**
p+m-Xylene	**5.8**	**25**
Bromoform	0.02 U	0.21 U
Styrene	**0.10**	**0.44**

Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Rooftop #3**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706155**
Lab ID: **0706155-01**
Associated Blank: **VA071107B28**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/03/07	250	250	1	JEG

Parameter	Raw Amount ppbv	Result µg/m³
1,1,2,2-Tetrachloroethane	0.02 U	0.14 U
o-Xylene	**1.6**	**6.9**
Isopropylbenzene	0.50 U	2.5 U
1,3,5-Trimethylbenzene	**0.45**	**2.2**
1,2,4-Trimethylbenzene	**0.57**	**2.8**
1,3-Dichlorobenzene	0.02 U	0.12 U
1,4-Dichlorobenzene	**11**	**66**
sec-Butylbenzene	0.50 U	2.5 U
p-Isopropyltoluene	0.04 U	0.22 U
1,2-Dichlorobenzene	0.02 U	0.12 U
n-Butylbenzene	0.20 U	1.1 U

N/A - Not Applicable
U - The analyte was analyzed for but not detected at the sample specific level reported.

Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Rooftop #2**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706155**
Lab ID: **0706155-02**
Associated Blank: **VA071107B28**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/03/07	250	250	1	JEG

Parameter	Raw Amount ppbv	Result µg/m³
Dichlorodifluoromethane	**0.46**	**2.3**
Chloromethane	0.04 U	0.08 U
Vinyl chloride	0.02 U	0.05 U
Chloroethane	**0.07**	**0.18**
Acetone	**47**	**110**
Trichlorofluoromethane	**36**	**200**
Acrylonitrile	0.50 U	1.1 U
1,1-Dichloroethene	0.02 U	0.08 U
Methylene chloride	**1.9**	**6.7**
trans-1,2-Dichloroethene	0.02 U	0.08 U
1,1-Dichloroethane	0.02 U	0.08 U
MTBE	**0.05**	**0.18**
2-Butanone	**11**	**32**
cis-1,2-Dichloroethene	0.02 U	0.08 U
Chloroform	**0.08**	**0.39**
1,2-Dichloroethane	0.02 U	0.08 U
1,1,1-Trichloroethane	**0.50**	**2.8**
Benzene	**0.14**	**0.46**
Carbon tetrachloride	**0.08**	**0.49**
1,2-Dichloropropane	0.02 U	0.09 U
Bromodichloromethane	0.02 U	0.13 U
Trichloroethene	**12**	**62**
cis-1,3-Dichloropropene	0.02 U	0.09 U
4-Methyl-2-pentanone	0.50 U	2.0 U
trans-1,3-Dichloropropene	0.02 U	0.09 U
1,1,2-Trichloroethane	0.02 U	0.11 U
Toluene	**2.4**	**9.1**
Dibromochloromethane	0.02 U	0.17 U
1,2-Dibromoethane	0.02 U	0.15 U
Tetrachloroethene	**0.58**	**3.9**
1,1,1,2-Tetrachloroethane	0.02 U	0.14 U
Chlorobenzene	0.02 U	0.09 U
Ethylbenzene	**0.19**	**0.84**
p+m-Xylene	**0.64**	**2.8**
Bromoform	0.02 U	0.21 U
Styrene	**0.16**	**0.67**

Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Rooftop #2**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706155**
Lab ID: **0706155-02**
Associated Blank: **VA071107B28**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/03/07	250	250	1	JEG

Parameter	Raw Amount ppbv	Result µg/m³
1,1,2,2-Tetrachloroethane	0.02 U	0.14 U
o-Xylene	**0.24**	**1.1**
Isopropylbenzene	0.50 U	2.5 U
1,3,5-Trimethylbenzene	**0.36**	**1.8**
1,2,4-Trimethylbenzene	**0.65**	**3.2**
1,3-Dichlorobenzene	0.02 U	0.12 U
1,4-Dichlorobenzene	**17**	**100**
sec-Butylbenzene	0.50 U	2.5 U
p-Isopropyltoluene	0.04 U	0.22 U
1,2-Dichlorobenzene	0.02 U	0.12 U
n-Butylbenzene	0.20 U	1.1 U

N/A - Not Applicable
U - The analyte was analyzed for but not detected at the sample specific level reported.

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Duplicate
Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Rooftop #2**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706155**
Lab ID: **0706155-02 D**
Associated Blank: **VA071107B28**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/03/07	250	250	1	JEG

Parameter	Raw Amount ppbv	Result µg/m³
Dichlorodifluoromethane	**0.45**	**2.2**
Chloromethane	0.04 U	0.08 U
Vinyl chloride	0.02 U	0.05 U
Chloroethane	**0.07**	**0.18**
Acetone	**47**	**110**
Trichlorofluoromethane	**37**	**210**
Acrylonitrile	0.50 U	1.1 U
1,1-Dichloroethene	0.02 U	0.08 U
Methylene chloride	**1.9**	**6.6**
trans-1,2-Dichloroethene	0.02 U	0.08 U
1,1-Dichloroethane	0.02 U	0.08 U
MTBE	**0.05**	**0.19**
2-Butanone	**11**	**32**
cis-1,2-Dichloroethene	0.02 U	0.08 U
Chloroform	**0.09**	**0.41**
1,2-Dichloroethane	0.02 U	0.08 U
1,1,1-Trichloroethane	**0.47**	**2.6**
Benzene	**0.14**	**0.45**
Carbon tetrachloride	**0.07**	**0.47**
1,2-Dichloropropane	0.02 U	0.09 U
Bromodichloromethane	0.02 U	0.13 U
Trichloroethene	**12**	**62**
cis-1,3-Dichloropropene	0.02 U	0.09 U
4-Methyl-2-pentanone	0.50 U	2.0 U
trans-1,3-Dichloropropene	0.02 U	0.09 U
1,1,2-Trichloroethane	0.02 U	0.11 U
Toluene	**2.6**	**9.8**
Dibromochloromethane	0.02 U	0.17 U
1,2-Dibromoethane	0.02 U	0.15 U
Tetrachloroethene	**0.64**	**4.3**
1,1,1,2-Tetrachloroethane	0.02 U	0.14 U
Chlorobenzene	0.02 U	0.09 U
Ethylbenzene	**0.21**	**0.89**
p+m-Xylene	**0.69**	**3.0**
Bromoform	0.02 U	0.21 U
Styrene	**0.17**	**0.74**

Duplicate
Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Rooftop #2**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706155**
Lab ID: **0706155-02 D**
Associated Blank: **VA071107B28**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/03/07	250	250	1	JEG

Parameter	Raw Amount ppbv	Result µg/m³
1,1,2,2-Tetrachloroethane	0.02 U	0.14 U
o-Xylene	**0.26**	**1.1**
Isopropylbenzene	0.50 U	2.5 U
1,3,5-Trimethylbenzene	**0.38**	**1.8**
1,2,4-Trimethylbenzene	**0.67**	**3.3**
1,3-Dichlorobenzene	0.02 U	0.12 U
1,4-Dichlorobenzene	**17**	**100**
sec-Butylbenzene	0.50 U	2.5 U
p-Isopropyltoluene	0.04 U	0.22 U
1,2-Dichlorobenzene	0.02 U	0.12 U
n-Butylbenzene	0.20 U	1.1 U

N/A - Not Applicable
U - The analyte was analyzed for but not detected at the sample specific level reported.

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Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Rooftop #1**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706155**
Lab ID: **0706155-03**
Associated Blank: **VA071107B28**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/02/07	250	250	1	JEG

Parameter	Raw Amount ppbv	Result µg/m³
Dichlorodifluoromethane	**0.44**	**2.2**
Chloromethane	0.04 U	0.08 U
Vinyl chloride	0.02 U	0.05 U
Chloroethane	0.02 U	0.05 U
Acetone	**11**	**25**
Trichlorofluoromethane	**19**	**100**
Acrylonitrile	0.50 U	1.1 U
1,1-Dichloroethene	0.02 U	0.08 U
Methylene chloride	**2.2**	**7.5**
trans-1,2-Dichloroethene	0.02 U	0.08 U
1,1-Dichloroethane	**0.03**	**0.12**
MTBE	0.02 U	0.07 U
2-Butanone	**0.94**	**2.8**
cis-1,2-Dichloroethene	**0.02**	**0.08**
Chloroform	**0.07**	**0.36**
1,2-Dichloroethane	0.02 U	0.08 U
1,1,1-Trichloroethane	**0.52**	**2.8**
Benzene	**0.07**	**0.23**
Carbon tetrachloride	**0.08**	**0.50**
1,2-Dichloropropane	0.02 U	0.09 U
Bromodichloromethane	0.02 U	0.13 U
Trichloroethene	**15**	**83**
cis-1,3-Dichloropropene	0.02 U	0.09 U
4-Methyl-2-pentanone	0.50 U	2.0 U
trans-1,3-Dichloropropene	0.02 U	0.09 U
1,1,2-Trichloroethane	0.02 U	0.11 U
Toluene	**0.48**	**1.8**
Dibromochloromethane	0.02 U	0.17 U
1,2-Dibromoethane	0.02 U	0.15 U
Tetrachloroethene	**2.1**	**14**
1,1,1,2-Tetrachloroethane	0.02 U	0.14 U
Chlorobenzene	0.02 U	0.09 U
Ethylbenzene	**0.07**	**0.30**
p+m-Xylene	**0.24**	**1.0**
Bromoform	0.02 U	0.21 U
Styrene	**0.06**	**0.23**

Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Rooftop #1**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706155**
Lab ID: **0706155-03**
Associated Blank: **VA071107B28**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/29/07	06/29/07	07/02/07	250	250	1	JEG

Parameter	Raw Amount ppbv	Result µg/m³
1,1,2,2-Tetrachloroethane	0.02 U	0.14 U
o-Xylene	**0.09**	**0.40**
Isopropylbenzene	0.50 U	2.5 U
1,3,5-Trimethylbenzene	**0.18**	**0.90**
1,2,4-Trimethylbenzene	**0.34**	**1.7**
1,3-Dichlorobenzene	0.02 U	0.12 U
1,4-Dichlorobenzene	**13**	**76**
sec-Butylbenzene	0.50 U	2.5 U
p-Isopropyltoluene	0.04 U	0.22 U
1,2-Dichlorobenzene	0.02 U	0.12 U
n-Butylbenzene	0.20 U	1.1 U

N/A - Not Applicable
U - The analyte was analyzed for but not detected at the sample specific level reported.

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Blank
Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Blank**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706155**
Lab ID: **VA071107B28**
Associated Blank: **N/A**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	07/02/07	250	250	1	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
Dichlorodifluoromethane	0.02	U	0.10	U
Chloromethane	0.04	U	0.08	U
Vinyl chloride	0.02	U	0.05	U
Chloroethane	0.02	U	0.05	U
Acetone	1.0	U	2.4	U
Trichlorofluoromethane	0.02	U	0.11	U
Acrylonitrile	0.50	U	1.1	U
1,1-Dichloroethene	0.02	U	0.08	U
Methylene chloride	0.50	U	1.7	U
trans-1,2-Dichloroethene	0.02	U	0.08	U
1,1-Dichloroethane	0.02	U	0.08	U
MTBE	0.02	U	0.07	U
2-Butanone	0.20	U	0.59	U
cis-1,2-Dichloroethene	0.02	U	0.08	U
Chloroform	0.02	U	0.10	U
1,2-Dichloroethane	0.02	U	0.08	U
1,1,1-Trichloroethane	0.02	U	0.11	U
Benzene	0.04	U	0.13	U
Carbon tetrachloride	0.02	U	0.13	U
1,2-Dichloropropane	0.02	U	0.09	U
Bromodichloromethane	0.02	U	0.13	U
Trichloroethene	0.02	U	0.11	U
cis-1,3-Dichloropropene	0.02	U	0.09	U
4-Methyl-2-pentanone	0.50	U	2.0	U
trans-1,3-Dichloropropene	0.02	U	0.09	U
1,1,2-Trichloroethane	0.02	U	0.11	U
Toluene	0.05	U	0.19	U
Dibromochloromethane	0.02	U	0.17	U
1,2-Dibromoethane	0.02	U	0.15	U
Tetrachloroethene	0.02	U	0.14	U
1,1,1,2-Tetrachloroethane	0.02	U	0.14	U
Chlorobenzene	0.02	U	0.09	U
Ethylbenzene	0.02	U	0.09	U
p+m-Xylene	0.04	U	0.17	U
Bromoform	0.02	U	0.21	U
Styrene	0.02	U	0.09	U

Blank
Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Blank**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706155**
Lab ID: **VA071107B28**
Associated Blank: **N/A**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	07/02/07	250	250	1	JEG

Parameter	Raw Amount ppbv		Result µg/m³	
1,1,2,2-Tetrachloroethane	0.02	U	0.14	U
o-Xylene	0.02	U	0.09	U
Isopropylbenzene	0.50	U	2.5	U
1,3,5-Trimethylbenzene	0.02	U	0.10	U
1,2,4-Trimethylbenzene	0.02	U	0.10	U
1,3-Dichlorobenzene	0.02	U	0.12	U
1,4-Dichlorobenzene	0.02	U	0.12	U
sec-Butylbenzene	0.50	U	2.5	U
p-Isopropyltoluene	0.04	U	0.22	U
1,2-Dichlorobenzene	0.02	U	0.12	U
n-Butylbenzene	0.20	U	1.1	U

N/A - Not Applicable
U - The analyte was analyzed for but not detected at the sample specific level reported.

Laboratory Control Summary
Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Laboratory Control Sample**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706155**
Lab ID: **See Below**
Associated Blank: **VA071107B28**
Concentration Units: **µg/m³**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	07/02/07	250	250	1	JEG

	VA071107B28		VA071107LCS14		
Parameter	Blank Conc.		LCS Conc.	% Recovery	% Recovery Limits
Dichlorodifluoromethane	0.10	U	29	117	70-130
Chloromethane	0.08	U	12	116	70-130
Vinyl chloride	0.05	U	14	114	70-130
Chloroethane	0.05	U	14	103	70-130
Acetone	2.4	U	10	84	70-130
Trichlorofluoromethane	0.11	U	30	105	70-130
Acrylonitrile	1.1	U	12	109	70-130
1,1-Dichloroethene	0.08	U	20	103	70-130
Methylene chloride	1.7	U	17	96	70-130
trans-1,2-Dichloroethene	0.08	U	19	97	70-130
1,1-Dichloroethane	0.08	U	20	99	70-130
MTBE	0.07	U	15	83	70-130
2-Butanone	0.59	U	13	91	70-130
cis-1,2-Dichloroethene	0.08	U	20	103	70-130
Chloroform	0.10	U	26	106	70-130
1,2-Dichloroethane	0.08	U	20	100	70-130
1,1,1-Trichloroethane	0.11	U	33	121	70-130
Benzene	0.13	U	15	95	70-130
Carbon tetrachloride	0.13	U	37	117	70-130
1,2-Dichloropropane	0.09	U	24	105	70-130
Bromodichloromethane	0.13	U	40	120	70-130
Trichloroethene	0.11	U	30	110	70-130
cis-1,3-Dichloropropene	0.09	U	27	117	70-130
4-Methyl-2-pentanone	2.0	U	26	126	70-130
trans-1,3-Dichloropropene	0.09	U	23	99	70-130
1,1,2-Trichloroethane	0.11	U	29	107	70-130
Toluene	0.19	U	16	86	70-130
Dibromochloromethane	0.17	U	48	114	70-130
1,2-Dibromoethane	0.15	U	37	97	70-130
Tetrachloroethene	0.14	U	34	99	70-130
1,1,1,2-Tetrachloroethane	0.14	U	38	111	70-130
Chlorobenzene	0.09	U	22	95	70-130
Ethylbenzene	0.09	U	20	92	70-130

Laboratory Control Summary
Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Laboratory Control Sample**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706155**
Lab ID: **See Below**
Associated Blank: **VA071107B28**
Concentration Units: **µg/m³**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	07/02/07	250	250	1	JEG

	VA071107B28	VA071107LCS14		
Parameter	Blank Conc.	LCS Conc.	LCS % Recovery	% Recovery Limits
p+m-Xylene	0.17 U	43	99	70-130
Bromoform	0.21 U	62	120	70-130
Styrene	0.09 U	19	87	70-130
1,1,2,2-Tetrachloroethane	0.14 U	30	88	70-130
o-Xylene	0.09 U	20	90	70-130
Isopropylbenzene	2.5 U	23	93	70-130
1,3,5-Trimethylbenzene	0.10 U	23	92	70-130
1,2,4-Trimethylbenzene	0.10 U	23	94	70-130
1,3-Dichlorobenzene	0.12 U	27	91	70-130
1,4-Dichlorobenzene	0.12 U	27	91	70-130
sec-Butylbenzene	2.5 U	24	100	70-130
p-Isopropyltoluene	0.22 U	24	89	70-130
1,2-Dichlorobenzene	0.12 U	27	91	70-130
n-Butylbenzene	1.1 U	24	89	70-130

N/A - Not Applicable
U - The analyte was analyzed for but not detected at the sample specific level reported.

Concentrations reported as calculated values, which includes rounding for significant figures. Percent recoveries and RPD values are calculated from the unrounded result.

07/12/07 10:06

Duplicate
Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Rooftop #2**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706155**
Lab ID: **0706155-02**
Associated Blank: **VA071107B28**
Concentration Units: **µg/m³**

Date Collected	Date Received	Analyst
06/29/07	06/29/07	JEG

Parameter	Sample Result	Duplicate Result	RPD	RPD Limit
Dichlorodifluoromethane	**2.3**	**2.2**	3	25
Chloromethane	0.08 U	0.08 U	N/A	25
Vinyl chloride	0.05 U	0.05 U	N/A	25
Chloroethane	**0.18**	**0.18**	1	25
Acetone	**110**	**110**	0	25
Trichlorofluoromethane	**200**	**210**	2	25
Acrylonitrile	1.1 U	1.1 U	N/A	25
1,1-Dichloroethene	0.08 U	0.08 U	N/A	25
Methylene chloride	**6.7**	**6.6**	1	25
trans-1,2-Dichloroethene	0.08 U	0.08 U	N/A	25
1,1-Dichloroethane	0.08 U	0.08 U	N/A	25
MTBE	**0.18**	**0.19**	10	25
2-Butanone	**32**	**32**	1	25
cis-1,2-Dichloroethene	0.08 U	0.08 U	N/A	25
Chloroform	**0.39**	**0.41**	6	25
1,2-Dichloroethane	0.08 U	0.08 U	N/A	25
1,1,1-Trichloroethane	**2.8**	**2.6**	6	25
Benzene	**0.46**	**0.45**	2	25
Carbon tetrachloride	**0.49**	**0.47**	5	25
1,2-Dichloropropane	0.09 U	0.09 U	N/A	25
Bromodichloromethane	0.13 U	0.13 U	N/A	25
Trichloroethene	**62**	**62**	0	25
cis-1,3-Dichloropropene	0.09 U	0.09 U	N/A	25
4-Methyl-2-pentanone	2.0 U	2.0 U	N/A	25
trans-1,3-Dichloropropene	0.09 U	0.09 U	N/A	25
1,1,2-Trichloroethane	0.11 U	0.11 U	N/A	25
Toluene	**9.1**	**9.8**	7	25
Dibromochloromethane	0.17 U	0.17 U	N/A	25
1,2-Dibromoethane	0.15 U	0.15 U	N/A	25
Tetrachloroethene	**3.9**	**4.3**	10	25
1,1,1,2-Tetrachloroethane	0.14 U	0.14 U	N/A	25
Chlorobenzene	0.09 U	0.09 U	N/A	25
Ethylbenzene	**0.84**	**0.89**	7	25
p+m-Xylene	**2.8**	**3.0**	8	25
Bromoform	0.21 U	0.21 U	N/A	25

N/A - Not Applicable
U - The analyte was analyzed for but not detected at the sample specific level reported.

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Duplicate
Volatile Organics by TO-15

ALPHA WOODS HOLE LABS

Client: **EA Engineering, Science & Technology**
Project: **Adelaide Ave. School**
Client ID: **Rooftop #2**
Case: **N/A** SDG: **N/A**
Matrix: **Soil Vapor**

Lab Code: **MA00030**
ETR: **0706155**
Lab ID: **0706155-02**
Associated Blank: **VA071107B28**
Concentration Units: **µg/m³**

Date Collected	Date Received	Analyst
06/29/07	06/29/07	JEG

Parameter	Sample Result	Duplicate Result	RPD	RPD Limit
Styrene	**0.67**	**0.74**	10	25
1,1,2,2-Tetrachloroethane	0.14 U	0.14 U	N/A	25
o-Xylene	**1.1**	**1.1**	6	25
Isopropylbenzene	2.5 U	2.5 U	N/A	25
1,3,5-Trimethylbenzene	**1.8**	**1.8**	5	25
1,2,4-Trimethylbenzene	**3.2**	**3.3**	2	25
1,3-Dichlorobenzene	0.12 U	0.12 U	N/A	25
1,4-Dichlorobenzene	**100**	**100**	2	25
sec-Butylbenzene	2.5 U	2.5 U	N/A	25
p-Isopropyltoluene	0.22 U	0.22 U	N/A	25
1,2-Dichlorobenzene	0.12 U	0.12 U	N/A	25
n-Butylbenzene	1.1 U	1.1 U	N/A	25

N/A - Not Applicable
U - The analyte was analyzed for but not detected at the sample specific level reported.

Concentrations reported as calculated values, which includes rounding for significant figures. RPD values are reported based on the unrounded calculated result.

07/12/07 10:08

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA LABORATORIES

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

RAYNHAM, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: 0706155

Client Information

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

[X] These samples have been previously analyzed by Alpha

Project Information

Project Name: Adelaide Ave School
Project Location: Providence, RI
Project #: 6196501-1005
Project Manager: Peter Grivers
ALPHA Quote #:

Turn-Around Time

[X] Standard [ ] RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

[ ] FAX [ ] EMAIL
[X] ADEx [ ] Add'l Deliverables

Billing Information

[X] Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: Criteria: Project Specific

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTOCOLS

[ ] Yes [ ] No Are MCP Analytical Methods Required?
[ ] Yes [ ] No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: TO-15 SIM	Sample Specific Comments	TOTAL # BOTTLES
-1	RoofTop #3	6/29/07	0850	SV	DA	X	PID = 4.36 ppm	1
-2	RoofTop #2	↓	1217	↓	↓	↓	PID = 0.06 ppm	1
-3	RoofTop #1	↓	1220	↓	↓	↓	PID = 0.026 ppm	1

SAMPLE HANDLING
Filtration
[ ] Done
[ ] Not needed
[ ] Lab to do
Preservation
[ ] Lab to do
(Please specify below)

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Container Type: CS
Preservative:

Relinquished By:	Date/Time	Received By:	Date/Time
	6/29/07 1545		6/29/07 1545

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.

FORM NO: 01-01 (rev. 10-OCT-05)

Certificate/Approval Program Summary

Method numbers assume the most recent EPA revisions. For a complete listing of analytes for the referenced methods please contact your Alpha Woods Hole Lab Project Manager or the Quality Assurance Manager.

Connecticut Department of Public Health Certificate/Lab ID : PH-0141 - *Wastewater* (General Chemistry: EPA 120.1, 150.1, 160.1, 160.2, 180.1, 300.0, 310.1, 335.2, 365.2; Metals: 200.8, 245.1; Organics: 608, 624, 625, ETPH) *Solid Waste/Soil* (General Chemistry: 1010, 9010/9014, 9045, 9060; Metals: 6020, 7470, 7471; Organics: 8081, 8082, 8260, 8270, ETPH).

Florida Department of Health Certificate/Lab ID : E87814 - Primary NELAP Accreditation Authority for Air & Emissions. Secondary NELAP Accreditation for Wastwater and Solid & Hazardous Waste. *Wastewater* (General Chemistry: EPA 120.1/SM2510B, 150.1, 160.1/SM2540C, 160.2/SM2540D, 180.1, 300.0, 335.2, 365.2, SM2320B, SM2340B, SM2540G, SM4500NH3; Metals: 245.1; Organics: 608, 624, 625). *Solid and Hazardous Waste* (General Chemistry: 9010/9014, 9045, 9050, 9056, 9065, Reactivity 7.3; Metals: 6020, 7470, 7471; Organics: 8081, 8082, 8260, 8270). *Air & Emissions* (Organics: EPA TO-15).

Louisiana Department of Environmental Quality Certificate/Lab ID : 03090 - Primary NELAP Accrediting Authority for Wastewater, Solid & Hazardous Waste. *Wastewater* (General Chemistry: EPA 120.1/SM2510B, 150.1, 160.1/SM2540C, 160.2/SM2540D, 180.1, 300.0, 310.1/SM2320B, 335.2, 365.2, 376.2, 9010/9014, 9056, SM2540G; Metals: 200.8, 245.1, 6020; Organics: 608, 624, 625, 8015-DRO/GRO, 8081, 8082, 8260, 8270). *Solid and Hazardous Waste* (General Chemistry: 1010, 1311, 9010/9014, 9040, 9045, 9056, 9060, Reactivity 7.3; Metals: 6020, 7196, 7470, 7471; Organics: 8015-DRO/GRO, 8081, 8082, 8260, 8270).

Maine Department of Human Services Certificate/Lab ID : MA0030 - *Wastewater* (General Chemistry: EPA 120.1/ SM2510B, 160.1/SM2540C, 160.2/SM2540D, 300.0, 310.1/SM2320B, 335.2, 365.2; Metals: EPA 245.1; Organics: 608, 624).

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA030 - *Wastewater* (General Chemistry: EPA 120.1/SM2510B, 150.1, 160.1/SM2540C, 160.2/SM2540D, 300.0, 310.1/SM2320B, 335.2, 365.2; Metals: EPA 245.1; Organics: EPA 608, 624).

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206 - Secondary NELAP Accreditation. *Wastewater* (General Chemistry: EPA 120.1/SM2510B, 150.1, 160.1/SM2540C, 160.2/SM2540D, 180.1, 300.0, 310.1/SM2320B, 335.2, 365.2, 376.2, SM2540G; Metals: 200.8, 245.4; Organics: 608, 624, 625).

New Jersey Department of Environmental Protection Certificate/Lab ID : MA015 - Secondary NELAP Accreditation. *Wastewater* (General Chemistry: EPA 120.1/SM2510B, 150.1, 160.1/SM2540C, 160.2/SM2540D, 180.1, 300.0, 310.1/SM2320B, 335.2, 376.2, 9010/9014, 9056, SM2540G; Metals: 200.8, 245.1 6020; Organics: 608, 624, 625, 8081, 8082, 8260, 8270). *Solid & Hazardous Waste* (General Chemistry: EPA 1010, 1311, 9010/9014, 9040, 9045, 9056, 9060; Metals: 6020, 7196, 7470, 7471; Organics: 8015-DRO/GRO, 8081, 8082, 8260, 8270). *Air & Emissions* (Organics: EPA TO-15).

New York Department of Health Certificate/Lab ID : 11627 - Secondary NELAP Accreditation. *Wastewater* (General Chemistry: EPA 120.1/SM2510B, 150.1, 160.1/SM2540C, 160.2/SM2540D, 300.0, 310.1/SM2320B, 365.2, 376.2; Metals: 245.1; Organics: 608, 624, 625). *Solid and Hazardous Waste* (General Chemistry: EPA 1010, 1311; : 245.1; 6020, 7041; Organics: 8081, 8082, 8260, 8270). *Air & Emissions* (Organics: EPA TO-15).

Rhode Island Department of Health Certificate/Lab ID : LAO00289 - Chemistry: *Organic and Inorganic in Non-Poratable Water, Wastewater/Sewage and Soil* (Refer to LADEQ and MADEP certificates for method numbers.)

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

U.S. Army Corps of Engineers

Department of the Navy