

EA Engineering, Science, and Technology, Inc.

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21 August 2007

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

RE: 30 July 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 and also in July 2007 for the referenced Adelaide Avenue School site (the Site). Collectively, the OA and the two amended Orders of Approval are referred to in this correspondence as the Amended OA.

As communicated via telephone message to the Rhode Island Department of Environmental Management (the Department) at approximately 5:15 pm on Monday, 20 August 2007, two 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 30 July 2007. Both VOCs, Carbon tetrachloride and Methylene Chloride, were also detected at similar or higher concentrations within outdoor ambient air during the sampling event. 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).

Summary

In accordance with the Amended OA, EA collected four sub-slab vapor samples, eight indoor air samples, and one ambient air sample at the Site on 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 sixth sampling round completed at the Site. Sub-slab vacuum measurements were also collected on 30 July 2007.

The data collected on 30 July 2007 indicates that:

- There is no evidence that soil vapor intrusion into the newly constructed school is occurring.
- The continuous operation of the SSD system and confirmation of sub-slab vacuum beneath the school between -0.08 and -0.20 inches of water column illustrates ongoing, effective operation of the SSD system and elimination of the soil vapor intrusion pathway at the site.



- None of the VOC compounds of greatest potential concern to human health at this site, as identified by the Agency for Toxic Substances and Disease Registry in their December 2006 Health Consultation, were detected in any of the 48 indoor air samples at concentrations greater than the respective Indoor Air Action Levels.
- 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 previous six sampling events completed thus far at concentrations ranging between 0.48 to 0.71 ug/m³. During the same sampling events, Carbon Tetrachloride concentrations inside the school building have ranged between 0.36 to 0.79 ug/m³. During this sampling event, the ambient outdoor concentration of Carbon Tetrachloride was 0.53 ug/m³, and concentrations within the school were similarly between 0.52 and 0.55 ug/m³.
- During this sampling event, Methylene Chloride was detected in one indoor air location at a concentration (4.8 ug/m³) that is greater than the applicable Action Level (3.0 ug/m³). However, this compound was also detected in ambient outdoor air at a concentration of 6.6 ug/m³ during this sampling event. 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.
- In general, with the exception of one of the sub-slab vapor sample (MP-4) collected during this sampling round, all sub slab vapor samples continue to illustrate a 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.
- None of the other sub-slab VOC data is indicative of an increase in the potential for soil vapor intrusion.

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. Therefore, no SSD System modifications or other actions to address current site conditions are warranted or proposed at this time.

In accordance with the Amended OA, three new sub-slab monitoring probes were installed at the site on 9 August 2007, and the next air monitoring and sampling round is scheduled for 22 August 2007.



Mr. Joseph T. Martella II Rhode Island Department of Environmental Management 21 August 2007 Page 3

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.

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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
 - R. Dorr, Neighborhood Resident
 - Principal, Adelaide High School

Former Gorham Site, Parcel B – Knight Memorial Library Repository

Attachment A

Sampling Location Maps, Data Tables, and Laboratory Reports – 30 July 2007



Summary of Indoor Air Sampling Data - Adelaide Avenue School Project - Volatile Organic Compounds Sampling Event - July 30, 2007

					Kitchen Storage Room		Cafeteria		Gymnasium		Elevator Hallway		Room 118		Room 110		Media Center (Rm 145)		Room 152		Ambient Outdoor	
	CT Draft Proposed	CT Existing Indoor	NYSDOH																			
Volatile Organic Compounds	Indoor Residential Target	Residential Target	Air Guideline	Units		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual
via TO-15	Air Concentrations *	Air Concentrations **	Values***																			
Carbon tetrachloride1	0.5	1	None	µg/m³	0.53		0.55		0.52		0.53		0.53		0.55		0.52		0.53		0.53	
Methylene Chloride ²	3	45	60	µg/m³	2.8	U	2.8	U	2.8	U	2.8	U	2.8	U	4.8		2.8	U	2.8	U	6.6	1

* 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, 1,1,1,2-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 Schoo 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: 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 one indoor air sample collected during this sampling round, but was also detected at a higher concentration in ambient outdoor air (6.6 ug/m3). Therefore, background ambient air is the most likely contributor of the Methylene Chloride.



ANALYTICAL REPORT

<u>Prepared for:</u> EA Engineering, Science & Technology 2350 Post Road Warwick, RI 02886

Project:Adelaide Ave. SchoolETR:0708008Report Date:August 15, 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.

Sample ID Cross Reference



t: EA Engineering, Science & Technology ct: Adelaide Ave. School Lab Code: **MA00030** ETR: **0708008**

Lab	Samp	ole	ID
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Client Sample ID

0708008-01	Gym
0708008-02	Cafeteria
0708008-03	Kitchen Storage
0708008-04	Elevator Hallway
0708008-05	Room 145
0708008-06	Room 152
0708008-07	Room 118
0708008-08	Room 110
0708008-09	Ambient Outdoor
0700000 07	T MHOLOM O GLOOOT

CASE NARRATIVE Alpha Woods Hole Lab

0708008 ETR: **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: <u>Approved by:</u> <u>Title:</u> <u>Approved by:</u> <u>Approved by: <u>Approved by:</u> <u>Approved by: <u>Approved by: Approved by: <u>Approved by: Approved by: <u>Approved by: Approved by: Approved by: <u>Approved by: Approved by: <u>Approved by: Approved by: <u>Approved by: Approved by: Approved by: Approved by: <u>Approved by: Approved by: Approved by: <u>Approved by: Approved by: Appr</u></u></u></u></u></u></u></u></u></u>

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EA Engineering, Science & Technology Adelaide Ave. School

Lab Code: MA00030 ETR: 0708008 Lab ID: 0708008-01 Associated Blank: VA081307B14

D: Gym N/A Air

SDG: N/A

			Sample	Final		
Date Collected	Date Received	Date Analyzed	Amount (ml)	Volume (ml)	Dilution Factor	Analyst
07/30/07	07/31/07	08/10/07	250	250	1	APR
	Parameter		Raw Am	ount	Result	
			ppb	v	μg/m³	
	Dichlorodifl	uoromethane	0.45	;	2.2	
	Chlorometha	ine	0.58		1.2	
	Vinyl chlorid	le	0.02	U	0.05 U	
	Chloroethand	8	0.02	U	0.05 U	
	Acetone		9.0		21	
	Trichlorofluc	oromethane	0.26	,	1.5	
	Acrylonitrile)	0.50	U	1.1 U	
	1,1-Dichloro	ethene	0.02	U	0.08 U	
	Methylene cl	hloride	0.80	U	2.8 U	
	trans-1,2-Dic	chloroethene	0.02	U	0.08 U	
	1,1-Dichloro	ethane	0.02	U	0.08 U	
	MTBE	· · · · · · · · · · · · · · · · · · ·	0.04	,	0.15	
	2-Butanone		3.1		9.2	
	cis-1,2-Dich	loroethene	0.02	U	0.08 U	
	Chloroform		0.04	•	0.19	
	1,2-Dichloro	ethane	0.02	U	0.08 U	
	1,1,1-Trichlo	oroethane	0.02	U	0.11 U	
	Benzene		0.21		0.67	
	Carbon tetra	chloride	0.08		0.52	
	1,2-Dichloro	propane	0.02	U	0.09 U	
	Bromodichlo	oromethane	0.02	U	0.13 U	
	Trichloroeth	ene	0.08		0.40	
	cis-1,3-Dich	loropropene	0.02	U	0.09 U	
	4-Methyl-2-1	pentanone	0.50	U	2.0 U	
	trans-1,3-Dic	chloropropene	0.02	U	0.09 U	
	1,1,2-Trichlo	oroethane	0.02	U	0.11 U	
	Toluene		1.3		5.0	
	Dibromochlo	oromethane	0.02	U	0.17 U	
	1,2-Dibromo	oethane	0.02	U	0.15 U	
	Tetrachloroe	thene	0.11		0.73	
	1,1,1,2-Tetra	chloroethane	0.02	2 U	0.14 U	
	Chlorobenze	ne	0.02	. U	0.09 U	
	Ethylbenzen	e	0.76)	3.3	
	p+m-Xylene		2.2		9.5	
	Bromoform		0.02	U	0.21 U	
	Styrene		0.04	ł	0.15	



EA Engineering, Science & Technology Adelaide Ave. School

SDG:

N/A

Lab Code: MA00030 ETR: 0708008 Lab ID: 0708008-01 Associated Blank: VA081307B14

Client ID: **Gym** Case: **N/A** Matrix: **Air**

Final Sample Volume (ml) **Dilution Factor** Analyst Date Collected Date Received Date Analyzed Amount (ml) APR 08/10/07 250 07/30/07 07/31/07 250 1 **Raw Amount** Result Parameter μg/m³ ppbv 0.14 U 0.02 U 1,1,2,2-Tetrachloroethane 0.64 2.8 o-Xylene 2.5 Isopropylbenzene 0.50 U U 1,3,5-Trimethylbenzene 0.57 2.8 1,2,4-Trimethylbenzene 6.0 1.2 0.02 U 0.12 U 1,3-Dichlorobenzene 0.09 0.55 1,4-Dichlorobenzene 2.5 U sec-Butylbenzene 0.50 U 0.50 U 2.7 U p-Isopropyltoluene 0.02 U U 1,2-Dichlorobenzene 0.12 n-Butylbenzene 0.50 U 2.7 U

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



EA Engineering, Science & Technology Adelaide Ave. School Cafeteria

N/A

Lab Code: MA00030 ETR: 0708008 Lab ID: 0708008-02 Associated Blank: VA081307B14

Carcieria	
N/A	SDG:

Air

	· · · · · · · · · · · · · · · · · · ·		Sample	Final		
Date Collected	Date Received	Date Analyzed	Amount (ml)	Volume (ml)	Dilution Factor	Analyst
07/30/07	07/31/07	08/10/07	250	250	1	APR
	Parameter		Raw An	nount	Result	
			ppb	v	μg/m³	
	Dichlorodiflu	uoromethane	0.48	3	2.4	
	Chlorometha	ine	0.5	5	1.1	
	Vinyl chloric	le	0.02	2 U	0.05 U	
	Chloroethand	e	0.02	2 U	0.05 U	
	Acetone		7.6		18	
	Trichlorofluc	oromethane	0.28	8	1.6	
	Acrylonitrile	;	0.50	U U	1.1 U	
	1,1-Dichloro	ethene	0.02	2 U	0.08 U	
	Methylene cl	hloride	0.80) U	2.8 U	
	trans-1,2-Dic	chloroethene	0.02	2 U	0.08 U	
	1,1-Dichloro	ethane	0.02	2 U	0.08 U	
	MTBE		0.03	3	0.11	
	2-Butanone		1.3		3.9	
	cis-1,2-Dichl	loroethene	0.02	2 U	0.08 U	
	Chloroform	· · · · ·	0.04	1	0.19	
	1,2-Dichloro	ethane	0.02	2 U	0.08 U	
	1,1,1-Trichlo	oroethane	0.02	2 U	0.11 U	
	Benzene		0.22	2	0.71	
	Carbon tetrac	chloride	0.0)	0.55	
	1,2-Dichloro	propane	0.02	2	0.10	
	Bromodichlo	oromethane	0.02	2 U	0.13 U	
	Trichloroethe	ene	0.08	8	0.42	
	cis-1,3-Dichl	loropropene	0.02	2 U	0.09 U	
	4-Methyl-2-p	pentanone	0.50) U	2.0 U	
	trans-1,3-Dic	chloropropene	0.02	2 U	0.09 U	
	1,1,2-Trichlo	proethane	0.02	2 U	0.11 U	
	Toluene		1.3		5.0	
	Dibromochlo	oromethane	0.02	2 U	0.17 U	
	1,2-Dibromo	ethane	0.02	2 U	0.15 U	
	Tetrachloroe	thene	0.12	2	0.78	
	1,1,1,2-Tetra	chloroethane	0.02	2 U	0.14 U	
	Chlorobenze	ne	0.02	2 U	0.09 U	
	Ethylbenzene	e	0.38	8	1.7	
	p+m-Xylene		1.1		4.6	
	Bromoform		0.02	2 U	0.21 U	
	Styrene		0.0	6	0.26	



EA Engineering, Science & Technology Adelaide Ave. School Cafeteria

N/A

SDG:

Lab Code: MA00030 ETR: 0708008 Lab ID: 0708008-02 Associated Blank: VA081307B14

N/A Air

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
07/30/07	07/31/07	08/10/07	250	250	1	APR
L	Parameter	11	Raw An ppb	nount v	Result µg/m³	
	1,1,2,2-Tetra	chloroethane	0.0	2 U	0.14 U	
o-Xylene			0.3	4	1.5	
	Isopropylbenzene			0 U	2.5 U	
	1,3,5-Trimet	hylbenzene	0.5	1	2.5	
	1,2,4-Trimet	hylbenzene	0.9	6	4.7	
	1,3-Dichloro	benzene	0.0	2 U	0.12 U	
	1,4-Dichloro	benzene	0.0	8	0.45	
	sec-Butylbenzene			0 U	2.5 U	
	p-Isopropyltoluene			0 U	2.7 U	
	1,2-Dichlorobenzene			2 U	0.12 U	
	n-Butylbenze	ene	0.5	0 U	2.7 U	

N/A - Not Applicable

U - The analyte was analyzed for but not detected at the sample specific level reported.



EA Engineering, Science & Technology Adelaide Ave. School Kitchen Storage N/A

Lab Code: MA00030 ETR: 0708008 Lab ID: 0708008-03 Associated Blank: VA081307B14

Kitchen	Storage
N/A	SDG:

Air

	1		Campla	Final		
Date Collected	Date Received	Date Analyzed	Amount (ml)	Volume (ml)	Dilution Factor	Analyst
07/30/07	07/31/07	08/10/07	250	250	1	APR
	Dovomotor		Dow Am	ount	Posult	
	r al ameter		nnh	v	ug/m ³	
	D:11 10	.1	PP5		2.2	
	Dichlorodifi	uoromethane	0.43) 	2.2	
	Chlorometha	ine	0.50) U	1.0 U	
	Vinyl chlorid	de	0.02	<u> </u>	0.05 U	
	Chloroethan	e	0.02	: U	0.05 U	
	Acetone		9.5		22	
	Trichlorofluo	oromethane	0.25) 	1.4	
	Acrylonitrile	;	0.50) U	1.1 U	
	1,1-Dichloro	ethene	0.02	2 U	0.08 U	
	Methylene c	hloride	0.80) U	2.8 U	
	trans-1,2-Dic	chloroethene	0.02	2 U	0.08 U	
	1,1-Dichloro	ethane	0.02	<u>U</u>	0.08 U	
	MTBE		0.03	i	0.12	
	2-Butanone		2.7		8.1	
	cis-1,2-Dich	loroethene	0.02	<u>U</u>	0.08 U	
	Chloroform		0.04		0.20	
	1,2-Dichloro	ethane	0.02	2 U	0.08 U	
	1,1,1-Trichle	oroethane	0.02	2 U	0.11 U	
	Benzene		0.23	i	0.74	
	Carbon tetra	chloride	0.08	8	0.52	
	1,2-Dichloro	propane	0.02		0.10	
	Bromodichlo	oromethane	0.02	2 U	0.13 U	
	Trichloroeth	ene	0.08		0.44	
	cis-1,3-Dich	loropropene	0.02	2 U	0.09 U	
	4-Methyl-2-	pentanone	0.50) U	2.0 U	
	trans-1,3-Dic	chloropropene	0.02	2 U	0.09 U	
	1,1,2-Trichle	oroethane	0.02	U	0.11 U	
	Toluene		1.4		5.4	
	Dibromochlo	oromethane	0.02	2 U	0.17 U	
	1,2-Dibromo	oethane	0.02	2 U	0.15 U	
	Tetrachloroe	thene	0.11		0.75	
	1,1,1,2-Tetra	chloroethane	0.02	2 U	0.14 U	
	Chlorobenze	ne	0.03	}	0.12	
	Ethylbenzen	e	0.47	1	2.0	
	p+m-Xylene		1.3		5.6	
	Bromoform		0.02	2 U	0.21 U	
	Styrene		2.1		8.8	



EA Engineering, Science & Technology Adelaide Ave. School Kitchen Storage N/A SDG: N/A

Air

Lab Code: MA00030 ETR: 0708008 Lab ID: 0708008-03 Associated Blank: VA081307B14

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
07/30/07	07/31/07	08/10/07	250	250	1	APR
	Parameter		Raw An ppb	nount v	Result µg/m³	
	1,1,2,2-Tetra	chloroethane	0.0	2 U	0.14 U	
o-Xylene			0.4	5	1.9	
	Isopropylbenzene			0 U	2.5 U	
	1,3,5-Trimet	hylbenzene	0.9	2	4.5	
	1,2,4-Trimet	hylbenzene	1.7	1	8.4	
	1,3-Dichloro	benzene	0.0	2 U	0.12 U	
	1,4-Dichloro	benzene	0.3	6	2.2	
	sec-Butylbenzene			0 U	2.5 U	
	p-Isopropyltoluene			0 U	2.7 U	
	1,2-Dichloro	benzene	0.0	2 U	0.12 U	
	n-Butylbenzo	ene	0.5	0 U	2.7 U	

N/A - Not Applicable

U - The analyte was analyzed for but not detected at the sample specific level reported.



EA Engineering, Science & Technology Adelaide Ave. School Elevator Hallway N/A SDG: N/A Air

Lab Code: MA00030 ETR: 0708008 Lab ID: 0708008-04 Associated Blank: VA081307B14

			Sample	Final		a y anna deal de la constante d
Date Collected	Date Received	Date Analyzed	Amount (ml)	Volume (ml)	Dilution Factor	Analyst
07/30/07	07/31/07	08/10/07	250	250	1	APR
	Parameter	L	Raw Am	ount	Result	I
			ppby	v	μg/m³	
	Dichlorodiflu	uoromethane	0.46	i	2.2	
	Chlorometha	ine	0.50		1.0	
	Vinyl chloric	le	0.02	U	0.05 U	
	Chloroethane	e	0.02	U	0.05 U	
	Acetone	··· ···	8.5		20	
	Trichlorofluc	oromethane	0.25		1.4	
	Acrylonitrile		0.50	U	1.1 U	
	1,1-Dichloro	ethene	0.02	U	0.08 U	
	Methylene cl	hloride	0.80	U	2.8 U	
	trans-1,2-Dic	chloroethene	0.02	U	0.08 U	
	1,1-Dichloro	ethane	0.02	U	0.08 U	
	MTBE		0.03	1	0.11	
	2-Butanone		1.7		5.1	
	cis-1,2-Dichl	loroethene	0.02	U	0.08 U	
	Chloroform		0.04	,	0.18	
	1,2-Dichloro	ethane	0.02	U	0.08 U	
	1,1,1-Trichle	oroethane	0.02	U	0.11 U	
	Benzene		0.23		0.72	
	Carbon tetrac	chloride	0.08		0.53	
	1,2-Dichloro	propane	0.02	U	0.09 U	
	Bromodichlo	oromethane	0.02	U	0.13 U	
	Trichloroethe	ene	0.08		0.41	
	cis-1,3-Dichl	loropropene	0.02	U	0.09 U	
	4-Methyl-2-p	pentanone	0.50	U	2.0 U	
	trans-1,3-Dic	hloropropene	0.02	U	0.09 U	
	1,1,2-Trichle	oroethane	0.02	U	0.11 U	
	Toluene		1.1		4.2	
	Dibromochlo	oromethane	0.02	U	0.17 U	
	1,2-Dibromo	ethane	0.02	U	0.15 U	
	Tetrachloroe	thene	0.10		0.70	
	1,1,1,2-Tetra	chloroethane	0.02	U	0.14 U	
	Chlorobenze	ne	0.02	U	0.09 U	
	Ethylbenzene	9	0.28		1.2	
	p+m-Xylene	,	0.77	,	3.3	
	Bromoform		0.02	U	0.21 U	
	Styrene		0.08		0.32	



EA Engineering, Science & Technology Adelaide Ave. School Elevator Hallway N/A SDG: N/A Air

Lab Code: MA00030 ETR: 0708008 Lab ID: 0708008-04 Associated Blank: VA081307B14

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
07/30/07	07/31/07	08/10/07	250	250	1	APR
	Parameter	<u>t</u>	Raw An ppb	nount vv	Result µg/m ³	
	1,1,2,2-Tetra	chloroethane	0.0	2 U	0.14 U	
o-Xylene			0.2	7	1.2	
	Isopropylbenzene			0 U	2.5 U	
	1,3,5-Trimet	hylbenzene	0.6	5	3.2	
	1,2,4-Trimet	hylbenzene	1.2	2	5.9	
	1,3-Dichloro	benzene	0.02	2 U	0.12 U	
	1,4-Dichloro	benzene	0.14	4	0.87	
	sec-Butylbenzene			0 U	2.5 U	
	p-Isopropyltoluene			0 U	2.7 U	
1,2-Dichlorobenzene			0.02	2 U	0.12 U	
	n-Butylbenze	ene	0.5	0 U	2.7 U	

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



EA Engineering, Science & Technology Adelaide Ave. School **Room 145**

N/A

Lab Code: MA00030 ETR: 0708008 Lab ID: 0708008-05 Associated Blank: VA081307B14

N/A

SDG: Air

			Sample	Final		
Date Collected	Date Received	Date Analyzed	Amount (ml)	Volume (ml)	Dilution Factor	Analyst
07/30/07	07/31/07	08/10/07	250	250	1	APR
	Parameter	1	Raw Ar	nount	Result	
			ppt)V	μg/m³	
	Dichlorodiflu	uoromethane	0.4	8	2.4	
	Chlorometha	ine	0.5	0 U	1.0 U	
	Vinyl chlorid	de	0.0	2 U	0.05 U	
	Chloroethane	e	0.0	2 U	0.05 U	
	Acetone		6.8	3	16	
	Trichlorofluc	oromethane	0.3	3	1.8	
	Acrylonitrile	;	0.5	0 U	1.1 U	
	1,1-Dichloro	ethene	0.0	2 U	0.08 U	
	Methylene cl	hloride	0.8	0 U	2.8 U	
	trans-1,2-Dic	chloroethene	0.0	2 U	0.08 U	
	1,1-Dichloro	ethane	0.0	2 U	0.08 U	
	MTBE		0.0	2	0.08	
	2-Butanone		0.9	8	2.9	
	cis-1,2-Dich	loroethene	0.0	2 U	0.08 U	
	Chloroform		0.0	3	0.14	
	1,2-Dichloro	ethane	0.0	2 U	0.08 U	
	1,1,1-Trichlo	oroethane	0.0	2 U	0.11 U	
	Benzene		0.1	7	0.53	
	Carbon tetrac	chloride	0.0	8	0.52	
	1,2-Dichloro	propane	0.0	2 U	0.09 U	
	Bromodichlo	oromethane	0.0	2 U	0.13 U	
	Trichloroeth	ene	0.0	4	0.23	
	cis-1,3-Dichl	loropropene	0.0	2 U	0.09 U	
	4-Methyl-2-p	pentanone	0.5	0 U	2.0 U	
	trans-1,3-Dic	chloropropene	0.0	2 U	0.09 U	
	1,1,2-Trichlo	oroethane	0.0	2 U	0.11 U	
	Toluene		0.6	2	2.4	
	Dibromochlo	oromethane	0.0	2 U	0.17 U	
	1,2-Dibromo	oethane	0.0	2 U	0.15 U	
	Tetrachloroe	thene	0.0	9	0.59	
	1,1,1,2-Tetra	chloroethane	0.0	2 U	0.14 U	
	Chlorobenze	ne	0.0	2 U	0.09 U	
	Ethylbenzen	e	0.1	0	0.41	
	p+m-Xylene		0.1	8	0.80	
	Bromoform		0.0	2 U	0.21 U	
	Styrene		0.0	3	0.11	



EA Engineering, Science & Technology Adelaide Ave. School Boom 145

N/A

Lab Code: MA00030 ETR: 0708008 Lab ID: 0708008-05 Associated Blank: VA081307B14

Troom	110	
N/A		SDG:

Air

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
07/30/07	07/31/07	08/10/07	250	250	1	APR
	Parameter	[]	Raw Ar ppb	nount ov	Result µg/m³	
	1,1,2,2-Tetrachloroethane			2 U	0.14 U	
	o-Xylene			8	0.36	
	Isopropylbenzene		0.5	0 U	2.5 U	
	1,3,5-Trimet	hylbenzene	0.2	1	1.0	
	1,2,4-Trimet	hylbenzene	0.3	6	1.8	
	1,3-Dichloro	benzene	0.0	2 U	0.12 U	
	1,4-Dichlorobenzene			8	1.1	
	sec-Butylbenzene		0.5	0 U	2.5 U	
	p-Isopropyltoluene		0.5	0 U	2.7 U	
	1,2-Dichloro	benzene	0.0	2 U	0.12 U	
	n-Butylbenzo	ene	0.5	0 U	2.7 U	

N/A - Not Applicable

U - The analyte was analyzed for but not detected at the sample specific level reported.



EA Engineering, Science & Technology Adelaide Ave. School Room 152 N/A SDG: N/A

Lab Code: MA00030 ETR: 0708008 Lab ID: 0708008-06 Associated Blank: VA081307B14

^sCase: N/A Matrix: Air

	1		Sample	Final		
Date Collected	Date Received	Date Analyzed	Amount (ml)	Volume (ml)	Dilution Factor	Analyst
07/30/07	07/31/07	08/10/07	250	250	1	APR
	Parameter		Raw Am	ount	Result	
			ppby	v	μg/m³	
	Dichlorodifl	uoromethane	0.46	j -	2.3	
	Chlorometha	ine	0.50) U	1.0 U	
	Vinyl chlorid	le	0.02	2 U	0.05 U	
	Chloroethan	9	0.02	U	0.05 U	
	Acetone		7.4		18	
	Trichlorofluo	oromethane	0.28	8	1.6	
	Acrylonitrile	;	0.50) U	1.1 U	
	1,1-Dichloro	ethene	0.02	2 U	0.08 U	
	Methylene cl	hloride	0.80) U	2.8 U	
	trans-1,2-Dic	chloroethene	0.02	U	0.08 U	
	1,1-Dichloro	ethane	0.02	U	0.08 U	
	MTBE		0.02		0.09	
	2-Butanone		0.77	/	2.3	
	cis-1,2-Dich	oroethene	0.02	U	0.08 U	
	Chloroform		0.04		0.17	
	1,2-Dichloro	ethane	0.02	U	0.08 U	
	1,1,1-Trichlo	oroethane	0.02	U	0.11 U	
	Benzene		0.20)	0.64	
	Carbon tetrac	chloride	0.08	}	0.53	
	1,2-Dichloro	propane	0.02	U	0.09 U	
	Bromodichlo	promethane	0.02	U	0.13 U	
	Trichloroeth	ene	0.07		0.35	
	cis-1,3-Dich	loropropene	0.02	U	0.09 U	
	4-Methyl-2-	pentanone	0.50	U	2.0 U	
	trans-1,3-Dic	chloropropene	0.02	U	0.09 U	
	1,1,2-Trichlo	oroethane	0.02	U	0.11 U	
	Toluene		0.77		2.9	
	Dibromochlo	oromethane	0.02	U	0.17 U	
	1,2-Dibromo	ethane	0.02	U	0.15 U	
	Tetrachloroe	thene	0.10)	0.68	
	1,1,1,2-Tetra	chloroethane	0.02	U	0.14 U	
	Chlorobenze	ne	0.02	U	0.09 U	
	Ethylbenzen	e	0.12		0.52	
	p+m-Xylene		0.26		1.1	
	Bromoform		0.02	U	0.21 U	
	Styrene		0.03	;	0.14	



EA Engineering, Science & Technology Adelaide Ave. School Room 152 N/A SDG: N/A

Lab Code: MA00030 ETR: 0708008 Lab ID: 0708008-06 Associated Blank: VA081307B14

^sCase: N/A Matrix: Air

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
07/30/07	07/31/07	08/10/07	250	250	1	APR
	Parameter		Raw Ar ppb	nount v	Result µg/m³	
1,1,2,2-Tetrachloroethane			0.0	2 U	0.14 U	
	o-Xylene		0.1	1	0.46	
	Isopropylber	zene	0.5	0 U	2.5 U	
	1,3,5-Trimet	hylbenzene	0.2	0.22	1.1	
	1,2,4-Trimet	hylbenzene	0.4	0	2.0	
	1,3-Dichloro	benzene	0.0	2 U	0.12 U	
	1,4-Dichloro	benzene	0.3	1	1.9	
	sec-Butylbenzene p-Isopropyltoluene		0.5	0 U	2.5 U	
			0.5	0 U	2.7 U	
	1,2-Dichloro	benzene	0.0	2 U	0.12 U	
	n-Butylbenzo	ene	0.5	0 U	2.7 U	

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



EA Engineering, Science & Technology Adelaide Ave. School **Room 118**

N/A

SDG:

Lab Code: MA00030 ETR: 0708008 Lab ID: 0708008-07 Associated Blank: VA081307B14

N/A

Matrix:

Air

	1		01.	TP:1		
Date Collected	Date Received	Date Analyzed	Sample	Final Volume (ml)	Dilution Factor	Analvet
07/30/07	07/31/07	08/10/07	250	250	1	APR
01150107	D 4	00/10/07	250			
	Parameter		Kaw An	nount	Result	
			իրո	v	µg/m²	
	Dichlorodiflu	loromethane	0.4	6	2.3	
	Chlorometha	ne	0.50	0 U	1.0 U	
	Vinyl chloric	le	0.02	2 U	0.05 U	
	Chloroethane	•	0.02	2 U	0.05 U	
	Acetone		9.8		23	
	Trichlorofluc	oromethane	0.2	7	1.5	
	Acrylonitrile		0.50	0 U	1.1 U	
	1,1-Dichloro	ethene	0.02	2 U	0.08 U	
	Methylene cl	nloride	0.80) U	2.8 U	
	trans-1,2-Dic	hloroethene	0.02	2 U	0.08 U	
	1,1-Dichloro	ethane	0.02	2 U	0.08 U	
	MTBE		0.03	3	0.09	
	2-Butanone		3.2	· ·	9.3	
	cis-1,2-Dichl	oroethene	0.02	2 U	0.08 U	
	Chloroform		0.04	4	0.20	
	1,2-Dichloro	ethane	0.02	2 U	0.08 U	
	1,1,1-Trichlo	roethane	0.02	2 U	0.11 U	
	Benzene		0.22	2	0.72	
	Carbon tetrac	hloride	0.09	9	0.53	
	1,2-Dichloro	propane	0.02	2 U	0.09 U	
	Bromodichlo	romethane	0.02	2 U	0.13 U	
	Trichloroethe	ene	0.19)	1.0	
	cis-1,3-Dichl	oropropene	0.02	2 U	0.09 U	
	4-Methyl-2-p	entanone	0.50) U	2.0 U	
	trans-1,3-Dic	hloropropene	0.02	2 U	0.09 U	
	1,1,2-Trichlo	roethane	0.02	2 U	0.11 U	
	Toluene		0.98	3	3.7	
	Dibromochlo	romethane	0.02	2 U	0.17 U	
	1,2-Dibromo	ethane	0.02	2 U	0.15 U	
	Tetrachloroet	hene	0.10)	0.70	
	1,1,1,2-Tetra	chloroethane	0.02	2 U	0.14 U	
	Chlorobenzer	ne	0.02	2 U	0.09 U	
	Ethylbenzene	;	0.21	1	0.92	
	p+m-Xylene		0.50	5	2.4	
	Bromoform		0.02	2 U	0.21 U	
	Styrene		0.06	5	0.27	



EA Engineering, Science & Technology Adelaide Ave. School Room 118 N/A SDG: N/A

Lab Code: MA00030 ETR: 0708008 Lab ID: 0708008-07 Associated Blank: VA081307B14

N/A	
Air	

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
07/30/07	07/31/07	08/10/07	250	250	1	APR
	Parameter		Raw Ar ppt	nount ov	Result µg/m³	
1.1.2.2-Tetrachloroethane			0.0	2 U	0.14 U	
	o-Xylene			0	0.85	
	Isopropylber	izene	0.5	0 U	2.5 U	
	1,3,5-Trimet	hylbenzene	0.3	9	1.9	
	1,2,4-Trimet	hylbenzene	0.7	/5	3.7	
	1,3-Dichloro	benzene	0.0	2 U	0.12 U	
	1,4-Dichlorobenzene			9	1.1	
sec-Butylbenzene		0.5	0 U	2.5 U		
	p-Isopropyltoluene		0.5	0 U	2.7 U	
	1,2-Dichloro	benzene	0.0	02 U	0.12 U	
	n-Butylbenze	ene	0.5	0 U	2.7 U	

N/A - Not Applicable

U - The analyte was analyzed for but not detected at the sample specific level reported.

Duplicate Volatile Organics by TO-15



EA Engineering, Science & Technology

Adelaide Ave. School

Room 118N/ASDG:N/A

Lab Code: MA00030 ETR: 0708008 Lab ID: 0708008-07 D Associated Blank: VA081307B14

N/A Air

			Sample	Final	Т	
Date Collected	Date Received	Date Analyzed	Amount (ml)	Volume (ml)	Dilution Factor	Analyst
07/30/07	07/31/07	08/10/07	250	250	1	APR
	Parameter		Raw An	ount	Result	
			ppb	v	μg/m³	
	Dichlorodiflu	ıoromethane	0.45	5	2.2	
	Chlorometha	ne	0.50) U	1.0 U	
	Vinyl chlorid	le	0.02	2 U	0.05 U	
	Chloroethane	3	0.02	2 U	0.05 U	
	Acetone		9.6		23	
	Trichlorofluc	oromethane	0.27	1	1.5	
	Acrylonitrile		0.50) U	1.1 U	
	1,1-Dichloro	ethene	0.02	U U	0.08 U	
	Methylene cl	nloride	0.80) U	2.8 U	
	trans-1,2-Dic	hloroethene	0.02	2 U	0.08 U	
	1,1-Dichloro	ethane	0.02	2 U	0.08 U	
	MTBE		0.03	}	0.10	
	2-Butanone		3.2		9.3	
	cis-1,2-Dichl	oroethene	0.02	U	0.08 U	
	Chloroform		0.04		0.20	
	1,2-Dichloro	ethane	0.02	U	0.08 U	
	1,1,1-Trichlo	roethane	0.02	U	0.11 U	
	Benzene		0.23)	0.73	
	Carbon tetrac	chloride	0.08		0.53	
	1,2-Dichloro	propane	0.02	U	0.09 U	
	Bromodichlo	romethane	0.02	U	0.13 U	
	Trichloroethe	ene	0.20)	1.0	
	cis-1,3-Dichl	oropropene	0.02	U	0.09 U	
	4-Methyl-2-p	entanone	0.50	U	2.0 U	
	trans-1,3-Dic	hloropropene	0.02	U	0.09 U	
	1,1,2-Trichlo	roethane	0.02	U	0.11 U	
	Toluene		0.97	,	3.6	
	Dibromochlo	romethane	0.02	U	0.17 U	
	1,2-Dibromo	ethane	0.02	U	0.15 U	
	Tetrachloroet	thene	0.10	•	0.70	
	1,1,1,2-Tetra	chloroethane	0.02	U	0.14 U	
	Chlorobenzer	ne	0.02	Ŭ	0.09 U	
	Ethylbenzene)	0.21		0.91	
	p+m-Xylene		0.56	•	2.4	
	Bromoform		0.02	U	0.21 U	
	Styrene		0.06		0.27	

Duplicate Volatile Organics by TO-15



EA Engineering, Science & Technology

Adelaide Ave. School : Room 118

A SDG: N/A

Lab Code: MA00030 ETR: 0708008 Lab ID: 0708008-07 D Associated Blank: VA081307B14

Case:	N/A
Matrix:	Air

Sample Final **Dilution Factor** Date Collected Date Received Date Analyzed Amount (ml) Volume (ml) Analyst 07/30/07 07/31/07 08/10/07 250 250 1 APR Parameter **Raw Amount** Result ppbv μg/m³ 1,1,2,2-Tetrachloroethane 0.02 U 0.14 U 0.20 0.85 o-Xylene Isopropylbenzene 2.5 U 0.50 U 1,3,5-Trimethylbenzene 0.38 1.9 1,2,4-Trimethylbenzene 0.75 3.7 1.3-Dichlorobenzene U 0.02 U 0.12 1,4-Dichlorobenzene 0.20 1.2 sec-Butylbenzene 0.50 U 2.5 U 2.7 U p-Isopropyltoluene 0.50 U 1,2-Dichlorobenzene 0.12 U 0.02 U n-Butylbenzene 0.50 U 2.7 U

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



EA Engineering, Science & Technology Adelaide Ave. School **Room 110**

N/A

Lab Code: MA00030 ETR: 0708008 Lab ID: 0708008-08 Associated Blank: VA081307B14

SDG: N/A

Air

			Sample	Final		
Date Collected	Date Received	Date Analyzed	Amount (ml)	Volume (ml)	Dilution Factor	Analyst
07/30/07	07/31/07	08/10/07	250	250	1	APR
	Parameter	I	Raw An	iount	Result	
			ppb	V	μg/m ³	
	Dichlorodiflu	loromethane	0.48	3	2.4	
	Chlorometha	ne	0.50) U	1.0 U	
	Vinyl chlorid	le	0.02	2 U	0.05 U	
	Chloroethane	•	0.02	2 U	0.05 U	
	Acetone	- 1999 (M. 76) - 1	6.6		16	
	Trichlorofluc	oromethane	0.36	í	2.0	
	Acrylonitrile		0.50) U	1.1 U	
	1,1-Dichloro	ethene	0.02	2 U	0.08 U	
	Methylene ch	nloride	1.4		4.8	
	trans-1,2-Dic	hloroethene	0.02	U	0.08 U	
	1,1-Dichloroe	ethane	0.02	. U	0.08 U	
	MTBE		0.05		0.19	
	2-Butanone		0.59		1.8	
	cis-1,2-Dichle	oroethene	0.02	U	0.08 U	
	Chloroform		0.03	•	0.17	
	1,2-Dichloroe	ethane	0.02	U	0.08 U	
	1,1,1-Trichlo	roethane	0.02	U	0.11 U	
	Benzene		0.16		0.51	
	Carbon tetrac	hloride	0.09	1	0.55	
	1,2-Dichlorop	propane	0.02	U	0.09 U	
	Bromodichlo	romethane	0.02	U	0.13 U	
	Trichloroethe	me	0.03		0.14	
	cis-1,3-Dichle	oropropene	0.02	U	0.09 U	
	4-Methyl-2-p	entanone	0.50	U	2.0 U	
	trans-1,3-Dic	hloropropene	0.02	U	0.09 U	
	1,1,2-Trichlor	roethane	0.02	U	0.11 U	
	Toluene		0.49		1.8	
	Dibromochlo	romethane	0.02	U	0.17 U	
	1,2-Dibromoe	ethane	0.02	U	0.15 U	
	Tetrachloroet	hene	0.07		0.49	
	1,1,1,2-Tetrac	chloroethane	0.02	U	0.14 U	
	Chlorobenzen	ne	0.02	U	0.09 U	
	Ethylbenzene		0.08		0.35	
	p+m-Xylene		0.15		0.66	
	Bromoform		0.02	U	0.21 U	
	Styrene		0.02	77 With	0.10	



EA Engineering, Science & Technology Adelaide Ave. School Room 110 N/A SDG: N/A

Air

Lab Code: MA00030 ETR: 0708008 Lab ID: 0708008-08 Associated Blank: VA081307B14

			Sample	Final		
Date Collected	Date Received	Date Analyzed	Amount (ml)	Volume (ml)	Dilution Factor	Analyst
07/30/07	07/31/07	08/10/07	250	250	1	APR
	Parameter	Inne-1999-1999	Raw Ar ppb	nount v	Result µg/m³	
	1,1,2,2-Tetrachloroethane			2 U	0.14 U	
	o-Xylene		0.0	6	0.28	
	Isopropylben	izene	0.5	0 U	2.5 U	
	1,3,5-Trimet	hylbenzene	0.1	2	0.56	
	1,2,4-Trimet	hylbenzene	0.1	9	0.94	
	1,3-Dichloro	benzene	0.0	2 U	0.12 U	
	1,4-Dichloro	benzene	0.1	4	0.87	
	sec-Butylbenzene		0.5	0 U	2.5 U	
	p-Isopropyltoluene		0.5	0 U	2.7 U	
	1,2-Dichloro	benzene	0.0	2 U	0.12 U	
	n-Butylbenze	ene	0.5	0 U	2.7 U	

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



EA Engineering, Science & Technology Adelaide Ave. School **Ambient Outdoor** N/A

Lab Code: MA00030 ETR: 0708008 Lab ID: 0708008-09 Associated Blank: VA081307B14

N/A SDG:

Air

Matrix:

			Sample	Final		·····
Date Collected	Date Received	Date Analyzed	Amount (ml)	Volume (ml)	Dilution Factor	Analyst
07/30/07	07/31/07	08/10/07	250	250	1	APR
	Parameter	I	Raw An	nount	Result	
			ppb	v	μg/m³	
	Dichlorodiflu	uoromethane	0.49	9	2.4	
	Chlorometha	ine	0.50	U U	1.0 U	
	Vinyl chlorid	le	0.02	2 U	0.05 U	
	Chloroethane	9	0.02	2 U	0.05 U	
	Acetone		8.6		20	
	Trichlorofluc	oromethane	0.38	8	2.1	
	Acrylonitrile		0.50	U U	1.1 U	
	1,1-Dichloro	ethene	0.02	2 U	0.08 U	
	Methylene cl	nloride	1.9		6.6	
	trans-1,2-Dic	hloroethene	0.02	2 U	0.08 U	
	1,1-Dichloro	ethane	0.02	2 U	0.08 U	
	MTBE		0.00	5	0.22	
	2-Butanone		0.55	5	1.6	
	cis-1,2-Dichl	oroethene	0.02	2 U	0.08 U	
	Chloroform		0.03	3	0.16	
	1,2-Dichloro	ethane	0.02	2 U	0.08 U	
	1,1,1-Trichlo	roethane	0.02	2 U	0.11 U	
	Benzene		0.12	2	0.39	
	Carbon tetrac	hloride	0.09)	0.53	
	1,2-Dichloro	propane	0.02	2 U	0.09 U	
	Bromodichlo	romethane	0.02	2 U	0.13 U	
	Trichloroethe	ene	0.04	ŀ	0.21	
	cis-1,3-Dichl	oropropene	0.02	2 U	0.09 U	
	4-Methyl-2-p	entanone	0.50) U	2.0 U	
	trans-1,3-Dic	hloropropene	0.02	2 U	0.09 U	
	1,1,2-Trichlo	roethane	0.02	2 U	0.11 U	
	Toluene		0.30		1.1	
	Dibromochlo	romethane	0.02	2 U	0.17 U	
	1,2-Dibromo	ethane	0.02	2 U	0.15 U	
	Tetrachloroet	thene	0.05	5	0.36	
	1,1,1,2-Tetra	chloroethane	0.02	2 U	0.14 U	
	Chlorobenzer	ne	0.02	2 U	0.09 U	
	Ethylbenzene	;	0.06)	0.24	
	p+m-Xylene		0.10)	0.41	
	Bromoform		0.02	2 U	0.21 U	
	Styrene		0.02	2 U	0.09 U	



EA Engineering, Science & Technology Adelaide Ave. School Ambient Outdoor N/A SDG: N/A Air

Lab Code: MA00030 ETR: 0708008 Lab ID: 0708008-09 Associated Blank: VA081307B14

			Sample	Final		
Date Collected	Date Received	Date Analyzed	Amount (ml)	Volume (ml)	Dilution Factor	Analyst
07/30/07	07/31/07	08/10/07	250	250	1	APR
	Parameter		Raw An	nount	Result	
			ppb	v	μg/m³	
	1,1,2,2-Tetra	chloroethane	0.02	2 U	0.14 U	
	o-Xylene	· · · · · · · · ·	0.04	4	0.16	
	Isopropylben	izene	0.5	0 U	2.5 U	
	1,3,5-Trimet	hylbenzene	0.02	2 U	0.10 U	
	1,2,4-Trimet	hylbenzene	0.0	3	0.13	
	1,3-Dichloro	benzene	0.02	2 U	0.12 U	
	1,4-Dichloro	benzene	0.1	9	1.2	
	sec-Butylben	izene	0.5	0 U	2.5 U	
	p-Isopropyltoluene			U U	2.7 U	
	1,2-Dichloro	benzene	0.02	2 U	0.12 U	
	n-Butylbenze	ene	0.50	U U	2.7 U	

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



EA Engineering, Science & Technology Adelaide Ave. School

bgy Lab Code: MA00030 ETR: 0708008 Lab ID: VA081307B14 Associated Blank: N/A

Client ID: Blank Case: N/A Matrix: Air

SDG: N/A

N/A	SDG:
Air	

			Sample	Final		
Date Collected	Date Received	Date Analyzed	Amount (ml)	Volume (ml)	Dilution Factor	Analyst
N/A	N/A	08/10/07	250	250	1	APR
	Parameter	۱ <u>ــــــــــــــــــــــــــــــــــــ</u>	Raw An	ount	Result	
			ppb	v	μg/m³	
	Dichlorodifh	oromethane	0.02	2 U	0.10 U	
	Chlorometha	ne	0.50) U	1.0 U	
	Vinvl chlorid	le	0.02	2 U	0.05 U	
	Chloroethane)	0.02	2 U	0.05 U	
	Acetone		2.0	U	4.8 U	
	Trichlorofluc	oromethane	0.02	2 U	0.11 U	
	Acrylonitrile		0.50) U	1.1 U	
	1,1-Dichloro	ethene	0.02	2 U	0.08 U	
	Methylene cl	nloride	0.80) U	2.8 U	
	trans-1,2-Dic	hloroethene	0.02	2 U	0.08 U	
	1,1-Dichloro	ethane	0.02	2 U	0.08 U	
	MTBE		0.02	2 U	0.07 U	
	2-Butanone		0.50) U	1.5 U	
	cis-1,2-Dichl	oroethene	0.02	2 U	0.08 U	
	Chloroform		0.02	2 U	0.10 U	
	1,2-Dichloro	ethane	0.02	2 U	0.08 U	
	1,1,1-Trichlo	roethane	0.02	2 U	0.11 U	
	Benzene		0.04	U	0.13 U	
	Carbon tetrac	chloride	0.02	2 U	0.13 U	
	1,2-Dichloro	propane	0.02	2 U	0.09 U	
	Bromodichlo	romethane	0.02	2 U	0.13 U	
	Trichloroethe	ene	0.02	2 U	0.11 U	
	cis-1,3-Dichl	oropropene	0.02	2 U	0.09 U	
	4-Methyl-2-p	entanone	0.50) U	2.0 U	
	trans-1,3-Dic	hloropropene	0.02	2 U	0.09 U	
	1,1,2-Trichlo	roethane	0.02	U	0.11 U	
	Toluene		0.05	5 U	0.19 U	
	Dibromochlo	romethane	0.02	U	0.17 U	
	1,2-Dibromo	ethane	0.02	2 U	0.15 U	
	Tetrachloroe	thene	0.02	2 U	0.14 U	
	1,1,1,2-Tetra	chloroethane	0.02	2 U	0.14 U	
	Chlorobenzer	ne	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	



EA Engineering, Science & Technology

Adelaide Ave. School Blank

SDG: N/A

Lab Code: MA00030 ETR: 0708008 Lab ID: VA081307B14 Associated Blank: N/A

ⁱCase: N/A Matrix: Air

			Sample	Final		
Date Collected	Date Received	Date Analyzed	Amount (ml)	Volume (ml)	Dilution Factor	Analyst
N/A	N/A	08/10/07	250	250	1	APR
	Parameter	1	Raw An	nount	Result	
			ppb	v	μg/m³	
	1,1,2,2-Tetra	chloroethane	0.02	2 U	0.14 U	
	o-Xylene		0.02	2 U	0.09 U	
	Isopropylber	izene	0.50) U	2.5 U	
	1,3,5-Trimet	hylbenzene	0.02	2 U	0.10 U	
	1,2,4-Trimet	hylbenzene	0.02	2 U	0.10 U	
	1,3-Dichloro	benzene	0.02	2 U	0.12 U	
	1,4-Dichloro	benzene	0.02	2 U	0.12 U	
	sec-Butylben	izene	0.50) U	2.5 U	
	p-Isopropylto	oluene	0.50) U	2.7 U	
	1,2-Dichloro	benzene	0.02	2 U	0.12 U	
	n-Butylbenze	ene	0.50) U	2.7 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



Trichloroethene

Toluene

cis-1,3-Dichloropropene

trans-1,3-Dichloropropene

4-Methyl-2-pentanone

1,1,2-Trichloroethane

Dibromochloromethane

1,1,1,2-Tetrachloroethane

1,2-Dibromoethane

Tetrachloroethene

Chlorobenzene

Ethylbenzene

EA Engineering, Science & Technology Adelaide Ave. School Laboratory Control Sample N/A SDG: N/A

Air

Lab Code: MA00030 ETR: 0708008 Lab ID: See Below Associated Blank: VA081307B14 Concentration Units: µg/m³

			Sample	Final					
Date Collected	Date Received	Date Analyzed	Amount (ml)	Volume (ml)	Dilution Factor	Analyst			
N/A	N/A	08/10/07	250	250	1	APR			
¥	3	VA0813	07B14	VA081307LCS04					
		Blan	k	-	LCS	% Recovery			
Parameter		Con	c.	Conc.	% Recover	y Limits			
Dichlorodifluorom	iethane	0.10) U	22	90	70-130			
Chloromethane	5 - 7 - 160	1.0	U	8.3	80	70-130			
Vinyl chloride		0.05	5 U	10	81	70-130			
Chloroethane		0.05	5 U	11	82	70-130			
Acetone		4.8	U	9.2	77	70-130			
Trichlorofluorome	thane	0.11	U	23	81	70-130			
Acrylonitrile		1.1	U	10	92	70-130			
1,1-Dichloroethene	9	0.08	U	15	77	70-130			
Methylene chloride	e	2.8	U	13	73	70-130			
trans-1,2-Dichloro	ethene	0.08	U	15	74	70-130			
1,1-Dichloroethane	9	0.08	U	16	80	70-130			
MTBE	· · · · · · · · · · · · · · · · · · ·	0.07	U	14	77	70-130			
2-Butanone		1.5	U	12	85	70-130			
cis-1,2-Dichloroetl	nene	0.08	U	16	82	70-130			
Chloroform		0.10	U	-21	85	70-130			
1,2-Dichloroethane)	0.08	U	17	82	70-130			
1,1,1-Trichloroetha	ane	0.11	U	25	91	70-130			
Benzene		0.13	U	12	76	70-130			
Carbon tetrachloric	le	0.13	U	27	85	70-130			
1,2-Dichloropropa	ne	0.09	U	20	85	70-130			
Bromodichloromet	hane	0.13	U	28	84	70-130			

0.11

0.09

2.0

0.09

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Laboratory Control Summary Volatile Organics by TO-15



EA Engineering, Science & Technology Adelaide Ave. School Laboratory Control Sample N/A SDG: N/A Air Lab Code: MA00030 ETR: 0708008 Lab ID: See Below Associated Blank: VA081307B14 Concentration Units: µg/m³

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	08/10/07	250	250	1	APR
	1	VA0813	07B14	VA08	B1307LCS04	

	11001507.014	11001	11001007120501					
	Blank		LCS	% Recovery				
Parameter	Conc.	Conc.	% Recovery	Limits				
p+m-Xylene	0.17 U	37	85	70-130				
Bromoform	0.21 U	47	92	70-130				
Styrene	0.09 U	18	82	70-130				
1,1,2,2-Tetrachloroethane	0.14 U	28	81	70-130				
o-Xylene	0.09 U	18	85	70-130				
Isopropylbenzene	2.5 U	22	90	70-130				
1,3,5-Trimethylbenzene	0.10 U	22	91	70-130				
1,2,4-Trimethylbenzene	0.10 U	24	98	70-130				
1,3-Dichlorobenzene	0.12 U	26	87	70-130				
1,4-Dichlorobenzene	0.12 U	26	85	70-130				
sec-Butylbenzene	2.5 U	23	95	70-130				
p-Isopropyltoluene	2.7 U	24	88	70-130				
1,2-Dichlorobenzene	0.12 U	25	84	70-130				
n-Butylbenzene	2.7 U	22	79	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. 08/15/07 09:43

Duplicate Volatile Organics by TO-15



EA Engineering, Science & Technology Adelaide Ave. School : Room 118 N/A SDG: N/A Air Lab Code: MA00030 ETR: 0708008 Lab ID: 0708008-07 Associated Blank: VA081307B14 Concentration Units: µg/m³

Date Collected	Date Rec	eived	Analyst		
07/30/07	07/31/	07	APR		
Parameter	Sample Result	Duplicate Result	RPD	RPD Limit	
Dichlorodifluoromethane	2.3	2.2	2	. 25	
Chloromethane	1.0 U	1.0 U	N/A	25	
Vinyl chloride	0.05 U	0.05 U	N/A	25	
Chloroethane	0.05 U	0.05 U	N/A	25	
Acetone	23	23	2	25	
Trichlorofluoromethane	1.5	1.5	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	2.8 U	2.8 U	N/A	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	0.09	0.10	8	25	
2-Butanone	9.3	9.3	0	25	
cis-1,2-Dichloroethene	0.08 U	0.08 U	N/A	25	
Chloroform	0.20	0.20	0	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	0.72	0.73	2	25	
Carbon tetrachloride	0.53	0.53	1	25	
1,2-Dichloropropane	0.09 U	0.09 U	N/A	25	
Bromodichloromethane	0.13 U	0.13 U	N/A	25	
Trichloroethene	1.0	1.0	1	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	3.7	3.6	1	25	
Dibromochloromethane	0.17 U	0.17 U	N/A	25	
1.2-Dibromoethane	0.15 U	0.15 U	N/A	25	
Tetrachloroethene	0.70	0.70	0	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	0.92	0.91	1	25	
p+m-Xylene	2.4	2.4	1	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.

Duplicate Volatile Organics by TO-15



EA Engineering, Science & Technology Adelaide Ave. School : Room 118 N/A SDG: N/A Air Lab Code: MA00030 ETR: 0708008 Lab ID: 0708008-07 Associated Blank: VA081307B14 Concentration Units: µg/m³

Date Collected	Date Rec	eived	Analyst						
07/30/07	07/31/	/07	APR						
Parameter	Sample Result	Duplicate Result	RPD	RPD Limit					
Styrene	0.27	0.27	0	25					
1,1,2,2-Tetrachloroethane	0.14 U	0.14 U	N/A	25					
o-Xylene	0.85	0.85	1	25					
Isopropylbenzene	2.5 U	2.5 U	N/A	25					
1,3,5-Trimethylbenzene	1.9	1.9	2	25					
1,2,4-Trimethylbenzene	3.7	3.7	1	25					
1,3-Dichlorobenzene	0.12 U	0.12 U	N/A	25					
1,4-Dichlorobenzene	1.1	1.2	5	25					
sec-Butylbenzene	2.5 U	2.5 U	N/A	25					
p-Isopropyltoluene	2.7 U	2.7 U	N/A	25					
1,2-Dichlorobenzene	0.12 U	0.12 U	N/A	25					
n-Butylbenzene	2.7 U	2.7 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. 08/15/07 09:46

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

ALPHA Job #: 0708008		Same as Client into PO #:		01	Regulatory Reguirements/Report Limits	State/Fed Program Criteria	I Drop Proposed Residential	TArget Oir Compounds	ANALYSIS	A 7NO SNVELAU SE	O-10 VZEZ COSC STERE STREES STREES CASE	100-1-1-2 00 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	$\hat{\mathcal{R}}/\hat{\mathcal{R}}/\hat{\mathcal{R}}/\hat{\mathcal{R}}/\hat{\mathcal{R}}$ Sample Comments (i.e. PID)	and se state	PED=11 ppb	PID = 28 ppb	400 8 = 929	PILD = 5 PPB	PID = @ PPb	PID=23 ppb	PID=10 0 20	pz0=34,000	2	Please print clearly, legibly and completely. Samples can not be	error of the second sec	/3:約~ samples submitted are subject to	reverse side
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		Eight Walkup Drive V TEL: 508-898-9220	Client Information	Client:EA EMB	Address: 2350 1	Marvel	Phone: 736-	Fax: 737-5	Email: POK'NEV	Other Project Spe		ALPHALabid	(Lab Use Only)		25	<u> </u>	য ।	l N	وی (F I	(б Ј	P	-76 -75 -75	/ 33)	Form No: 01-03 (rev. 28-NOV-I

Sample Receipt Checklist

		Page 1 of
Client: EAENG	Receipt Date:	7/31/07
Project: ADELAIDE Ave School	Log-in Date:	8/1/07
ETR#: 0703008	Inspection by: <i>W</i>	- Login by: L
ALL SECTIONS BELOW MUST BE COMPLI	ETED	Comments / Notés
Were samples shipped? Yes, FedEx / UPS / Other:		Ain
No, WHG Courier pick-up DHand	delivered	Sample storage retrigerator #:
Is bill of lading retained? Yes, Tracking #:		Sample storage freezer #:
Number of coolers received for this project delivery:		
Indicate cooler temperature upon opening (if multiple coolers, record	all temps):	Cooler 2: Cooler 3:
Notes If all applors are 2.6°C use one shecklist if NOT use separat	e checklists and note	
all samples received above 6°C.	e encernises and note	Cooler 4: Cooler 5:
Cooler 1:		Cooler 6: Cooler 7:
Temperature(s) taken from:IR Gun,Iemp. Bl	ank, / (NA	More:
Were samples received on ice? Yes / No	<u></u>	
Chain-of-Custody present? (Yes) / No		
Complete? / No		
Custody seals present on Cooler? Yes / (No)		
on Bottles? Yes / No		
Intact? Yes / No / A Note: Affix custody seals to back of this page.		
Were sample containers intact? (Yes) / No	If No, list samples: \rightarrow	
Did VOA/VPH waters contain headspace (>5mm)? Yes / No / NA	If Yes, list samples: \rightarrow	
Were 5035 VOA soils, or VPH soils, <i>covered</i> with MeOH? Yes	/ No / NA If No, list samples: \rightarrow	
Was a sufficient amount of sample received for each test indicated of Yes / No	n the COC? If No, list samples: →	
If chemical preservation is appropriate - Were samples field preserved? Yes / No /	(NA)	Chemical preservation OK for ALL samples?
C=HCl M=MeOH S=H ₂ SO4	\checkmark	Yes / No / N/A
$\square H=NaOH \square N=HNO_3 \square Other: \square U= Uni$	known	If No. list samples below:
Preservation (pH) verified at lab for EVERY bottle? (Not: VOA / VI	PH / Sulfide)	
YES: <2 or >12 (CN) or N	O (NA)	
If No, why?:	Y	
Were samples received within hold time? (Yes) / No	f No, list samples: →	
Discrepancy between samples rec'd & COC? Yes /(No) I	f Yes, list samples: \rightarrow	
Was the Project Manager notified of any other problems? Yes /	No/ NA	
Project Manager Acknowledgement: Date:	8/1107	Please use back for any additional notes!

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Alpha Woods Hole Labs Raynham, Massachusetts

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 <u>Certificate/Lab ID</u>: 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



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

			-			March ·	July 2	2007	-	-							
Valatila Ormania Ormanum da via TO 45		MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8	- T
Volatile Organic Compounds via 10-15	Sample Date		Qual		Qual		Qual		Qual		Qual		Qual		Qual		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
	30-Jul-07	0.69	U	NS		NS		1.4	U	NS		0.69	U	3.4	U	NS	
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
	30-Jul-07	0.69	U	NS		NS		1.4		NS		0.69	U	3.4	U	NS	
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
	30-Jul-07	0.55	U	NS		NS		1.10	U	NS		0.55	U	2.7	U	NS	
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
	30-Jul-07	0.4	U	NS		NS		0.79	U	NS		0.4	U	2	U	NS	
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	
	30-Jul-07	1.5		NS		NS		1.7		NS		1.6		4.4		NS	
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
	30-Jul-07	0.77	U	NS		NS		1.5		NS		0.77	U	3.8	U	NS	_
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
	30-Jul-07	0.4	U	NS		NS	<u> </u>	0.81	U	NS		0.4	U	2	U	NS	
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
	30-Jul-07	0.46	U	NS		NS		0.92	U	NS		0.46	U	2.3		NS	

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

			-			March - July	2007, (continued		-	-						
Valatila Organia Compoundo via TO 45		MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8	Т
volatile Organic Compounds via 10-15	Sample Date		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual
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	
	30-Jul-07	0.74		NS		NS		0.98	U	NS		0.88		2.5		NS	
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	
	30-Jul-07	3.8		NS		NS		2		NS		3.1		7		NS	
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	
	30-Jul-07	4900		NS		NS		180000		NS		13000		2600		NS	
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	
	30-Jul-07	390		NS		NS		14000		NS		3100		190		NS	
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	Ŭ	0.83	-	0.7	-
	30-Jul-07	0.67		NS	-	NS		0.83		NS		0.75	-	1.6	U	NS	
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	Ŭ	83 7	Ŭ	83.7	Ŭ	83 7	Ŭ	83.7	Ū	83.7	Ŭ	83 7	Ŭ	33.5	Ŭ
	26-Apr-07	33.5	Ŭ	33.5	Ŭ	33.5	Ŭ	33.5	Ŭ	33.5	U	33.5	Ŭ	33.5	Ŭ	33.5	Ŭ
	21-May-07	60.9	Ŭ	33.5	Ŭ	33.5	Ŭ	58.9	Ŭ	33.5	Ū	33.5	Ŭ	3 35	Ŭ	33.5	Ŭ
	29-Jun-07	0.67	Ŭ	0.67	Ŭ	0.67	Ŭ	0.67	Ŭ	0.67	U	1.3	Ŭ	0.67	Ŭ	0.67	Ŭ
	30-Jul-07	0.67	Ŭ	NS	-	NS	-	13	Ŭ	NS	-	0.67	Ŭ	34	Ŭ	NS	-
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	Ŭ	49.5	Ŭ	49.5	Ŭ	49.5	Ŭ	49.5	Ū	49.5	Ŭ	49.5	Ŭ	19.8	Ŭ
	26-Apr-07	19.8	Ŭ	19.8	Ŭ	19.8	Ŭ	19.8	Ŭ	19.8	U	19.8	Ŭ	19.8	Ŭ	19.8	Ŭ
	20 May-07	36.0		19.8		19.8		34.9	U U	19.8	U U	19.8	U U	1 98		19.8	
	29- Jun-07	0.5		0.45		0.45	1	0.45		0.45		0.91		0.45		0.45	
	30- Jul-07	0.4		NS	Ũ	NS	Ũ	0.79	U U	NS	Ũ	0.4	U U	2		NS	Ũ
Methylene chloride	15-Mar-07	12000	<u>и</u>	12000	11	12000	11	12000	11	14000		4800	11	1800	<u>и</u>	5200	- U
	22-Mar-07	86.8		86.8		86.8		86.8		86.8		86.8		86.8		34.7	
	26-Apr-07	34.7		34 7		34.7		34.7	11	34.7		34.7	11	34.7		69.4	Ŭ
	21-May-07	63.2		34.7		34.7		61.1		34.7		34.7		3 47		34.7	
	29-Jun-07	8 7		87		87		87	11	87		17	11	87		8.7	
	30-Jul-07	14		NS	Ĭ	NS	Ŭ	28		NS	Ĭ	14		69		NS	Ŭ
	00 301 07	17	U		1		1	20			1	Τ		35	<u> </u>		

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

			-		. 0	March - July	2007, c	continued	-	U	•						
Valatila Ornania Ornana un da via TO 45		MP-1		MP-2		MP-3	ΤΤ	MP-4		MP-5		MP-6		MP-7		MP-8	1
Volatile Organic Compounds via 10-15	Sample Date		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual
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	
	30-Jul-07	0.81		NS		NS		2.2		NS		1		3.4	U	NS	
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
	30-Jul-07	0.54	U	NS		NS		22		NS		0.54	U	2.7	U	NS	
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	
	30-Jul-07	5.3		NS		NS		2.9		NS		4.9		7.9		NS	
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
	30-Jul-07	0.26	U	NS		NS		0.51	U	NS		0.26	U	1.3	U	NS	
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
	30-Jul-07	0.63	U	NS		NS		1.3	U	NS		0.63	U	3.1	U	NS	
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
	30-Jul-07	0.49	U	NS		NS		0.98	U	NS		0.49	U	2.4	U	NS	

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

<u>Prepared for:</u> EA Engineering, Science & Technology 2350 Post Road Warwick, RI 02886

Project: ETR: Report Date: Adelaide Ave. School 0708007 August 15, 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



t: EA Engineering, Science & Technologyct: Adelaide Ave. School

Lab Code: **MA00030** ETR: **0708007**

Lab Sample ID

Client Sample ID

0708007-01	MP-7
0708007-02	MP-4
0708007-03	MP-6
0708007-04	MP-1

CASE NARRATIVE Alpha Woods Hole Lab

ETR: 0708007 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. Please note that all samples were analyzed at dilution due to target compounds detected above the calibration range of the instrument. The enclosed re-analyses, which are identified with an "E" suffix on the laboratory identification, were only evaluated for those compounds which were over the calibration range in the initial 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: $\int u dt P dt$ Flizabeth Porta

Title: <u>Organics Manager</u> Date: <u>8/15/07</u> Organics Manager

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EA Engineering, Science & Technology Adelaide Ave. School MP-7 N/A SDG: N/A Soil Vapor

Lab Code: MA00030 ETR: 0708007 Lab ID: 0708007-01 Associated Blank: VA081307B14

			Sample	Final			
Date Collected	Date Received	Date Analyzed	Amount (ml)	Volume (ml)	Diluti	ion Factor	Analyst
07/30/07	07/31/07	08/10/07	50	250		5	APR
	Parameter	J	Raw Am	ount	Result	I	
			ppby	V	µg/m³		
	Dichlorodifl	uoromethane	0.61		3.0		
	Chlorometha	me	12	U	26	U	
	Vinvl chlorid	le	0.50	Ū	1.3	Ū	
	Chloroethand	e	0.50	Ū	1.3	U	
	Acetone		81		190		
	Trichlorofluc	oromethane	0.68		3.8		
	Acrylonitrile	;	12	U	27	U	
	1,1-Dichloro	ethene	0.50	U	2.0	U	
	Methylene cl	hloride	20	U	69	U	
	trans-1,2-Dic	chloroethene	0.50	U	2.0	U	
	1,1-Dichloro	ethane	0.50	U	2.0	U	
	MTBE		. 0.50	U	1.8	U	
	2-Butanone		1100	E	3300	E	
	cis-1,2-Dichl	loroethene	0.50	U	2.0	U	
	Chloroform		0.50	U	2.4	U	
	1,2-Dichloro	ethane	0.50	U	2.0	U	
	1,1,1-Trichlo	proethane	0.50	U	2.7	U	
	Benzene		0.50	U	1.6	U	
	Carbon tetrac	chloride	0.50	U	3.1	U	
	1,2-Dichloro	propane	0.50	U	2.3	U	
	Bromodichlo	oromethane	0.50	U	3.4	<u> </u>	
	Trichloroethe	ene	0.50	U	2.7	U	
	cis-1,3-Dichl	oropropene	0.50	U	2.3	U	
	4-Methyl-2-p	pentanone	12	U	51	U	
	trans-1,3-Dic	hloropropene	0.50	U	2.3	U	
	1,1,2-Trichlo	oroethane	0.50	U	2.7	U	
	Toluene		2.1		7.9		
	Dibromochlo	promethane	0.50	U	4.3	U .	
	1,2-Dibromo	ethane	0.50	U	3.8	U	
	Tetrachloroe	thene	0.50	U	3.4	U	
	1,1,1,2-Tetra	chloroethane	0.50	U	3.4	U	
	Chlorobenzer	ne	0.50	U	2.3	<u>U</u>	
	Ethylbenzene	2	0.50	U	2.2	U	
	p+m-Xylene		1.1		4.9		
	Bromoform		0.50	U	5.2	<u>U</u>	
	Styrene		0.50	U	2.1	U	



EA Engineering, Science & Technology Adelaide Ave. School MP-7 N/A SDG: N/A Soil Vapor

Lab Code: MA00030 ETR: 0708007 Lab ID: 0708007-01 Associated Blank: VA081307B14

			Sample	Final		
Date Collected	Date Received	Date Analyzed	Amount (ml)	Volume (ml)	Dilution Factor	Analyst
07/30/07	07/31/07	08/10/07	50	250	5	APR
	Parameter		Raw An	nount	Result	
			ppb	v	μg/m³	
	1,1,2,2-Tetra	chloroethane	0.5	0 U	3.4 U	
	o-Xylene		0.5	0 U	2.2 U	
Isopropylbenzene			12	U	61 U	
	1,3,5-Trimet	hylbenzene	0.5	2	2.5	
	1,2,4-Trimet	hylbenzene	0.8	8	4.4	
	1,3-Dichloro	benzene	0.5	0 U	3.0 U	
	1,4-Dichloro	benzene	1.2		7.0	
	sec-Butylber	izene	12	U	61 U	
	p-Isopropylt	oluene	12	U	69 U	
	1,2-Dichloro	benzene	0.5	0 U	3.0 U	
	n-Butylbenze	ene	12	U	69 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.

08/15/07 10:14



EA Engineering, Science & Technology Adelaide Ave. School MP-7 N/A SDG: N/A Soil Vapor

Lab Code: MA00030 ETR: 0708007 Lab ID: 0708007-01E Associated Blank: VA081307B14

Date Collected Date Analyzed Amount (m) Volume (m) Dilution Factor Analyst $07/30/07$ $07/107$ $08/10/07$ 2.4 250 104.17 APR Parameter Raw Amount Result gpbv Result gg/m² Dichlorodifluoromethane 2.1 U 10 U Chiorodifluoromethane 2.1 10 U Chlorodifluoromethane 2.1 U 5.3 U Chiorodifluoromethane 2.1 U 5.5 U Acctone 2.10 490 U 10 U 420 U $1, 1-Dichloroethene 2.1 U 8.2 U 10 <$				Sample	Final		
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Date Collected	Date Received	Date Analyzed	Amount (ml)	Volume (ml)	Dilution Factor	Analyst
Parameter Raw Amount pplov Result $\mu g/m^3$ Dichlorodifluoromethane 2.1 U 10 U Chloromethane 2.1 U 10 U Vinyl chloride 2.1 U 5.3 U Acetone 2.10 490 U Trichlorofluoromethane 2.1 U 12 U Acetone 2.10 490 U Trichlorofluoromethane 2.1 U 82 U Actrobatine 2.1 U 82 U U 10 U 1,1-Dichloroethene 2.1 U 82 U U 11 U 11 U 11 U 11 U 11 U 11 <td>07/30/07</td> <td>07/31/07</td> <td>08/10/07</td> <td>2.4</td> <td>250</td> <td>104.17</td> <td>APR</td>	07/30/07	07/31/07	08/10/07	2.4	250	104.17	APR
ppbvµg/m³Dichlorodifhuoromethane2.1U1.0UChloromethane2.2U1.10UVinyl chloride2.1U5.3UChloroethane2.1U5.5UAcetone2.10U490UTrichlorofluoromethane2.1U1.0UAcrylonitile52U1.10U1,1-Dichloroethene2.1U8.2U1,1-Dichloroethene2.1U8.2U1,1-Dichloroethene2.1U8.2U1,1-Dichloroethene2.1U8.4UTBB2.1U7.5U2-Butanone870V2600cis1,2-Dichloroethene2.1U8.4U1,1-Trichloroethane2.1U1.1UBenzene2.1U1.3U1,2-Dichloroethane2.1U1.3U1,2-Dichloroethane2.1U1.4U1,2-Dichloroethane2.1U1.4U1,2-Dichloroethane2.1U1.4U1,2-Dichloroethane2.1U1.4U1,2-Dichloroethane2.1U1.4U1,2-Dichloroethane2.1U1.4U1,3-Dichloropropene2.1U1.4U1,3-Dichloropropene2.1U1.4U1,1,1-Trichloroethane2.1U	L	Parameter	I	Raw Am	ount	Result	1
Dichlorodifluoromethane2.1U10UChloromethane52U110UVinyl chloride2.1U5.3UChloromethane2.1U5.5UAcetone210U490UTrichlorofluoromethane2.1U12UAcrylonitrile52U110U1,1-Dichloroethene2.1U8.2UMethylene chloride83U290Utrans-1,2-Dichloroethene2.1U8.4U1,1-Dichloroethane2.1U8.4U2-Butanone87026001011cis-1,2-Dichloroethane2.1U8.2U1,1-Trichloroethane2.1U13U1,2-Dichloroethane2.1U13U1,2-Dichloroethane2.1U9.6UBenzene4.2U13U1,2-Dichloropropane2.1U9.6UBromodichloromethane2.1U14U1,2-Dichloropropane2.1U9.4U1,1,2-Trichloroethane2.1U14U1,2-Dichloropropane2.1U10U1,2-Dichloropropene2.1U14U1,2-Dichloropropene2.1U14U1,2-Dichloromethane2.1U14U1,2-Dichloropropene2.1U14<				ppby	7	μg/m³	
Chloromethane52U110UVinyl chloride2.1U5.3UChloroethane2.1U5.5UAcetone210U490UTrichlorofhuoromethane2.1U12UAcrylonitrile52U110U1,1-Dichloroethene2.1U8.2UMethylene chloride83U290Utrans-1,2-Dichloroethene2.1U8.4UMTBE2.1U8.4UChloroftmore2.1U8.4UMTBE2.1U8.2U2-Butanone8702600Ccis-1,2-Dichloroethane2.1U8.4U1,1-Trichloroethane2.1U13U1,2-Dichloroethane2.1U13U1,2-Dichloroethane2.1U13U1,2-Dichloroethane2.1U14U1,2-Dichloroethane2.1U14U1,2-Dichloroethane2.1U14U1,2-Dichloroethane2.1U14U1,2-Dichloroethane2.1U14U1,2-Dichloroethane2.1U14U1,2-Dichloroethane2.1U14U1,2-Dichloroethane2.1U14U1,2-Dichloroethane2.1U14U1,2-Dichloroethane2.1 </td <td></td> <td>Dichlorodifl</td> <td>uoromethane</td> <td>2.1</td> <td>U</td> <td>10 U</td> <td></td>		Dichlorodifl	uoromethane	2.1	U	10 U	
Vinyl chloride2.1U5.3UChloroethane2.1U5.5UAcetone210U490UTrichlorofluoromethane2.1U12UAcrylonitrile52U110U1,1-Dichloroethene2.1U8.2UMethylene chloride83U290Utrans-1,2-Dichloroethene2.1U8.4UMTBE2.1U7.5U2-Butanone8702600cis-1,2-Dichloroethane2.1U8.4U1,1-Trichloroethane2.1U8.4U1,2-Dichloroethane2.1U10U1,2-Dichloroethane2.1U13U1,2-Dichloroethane2.1U13U1,2-Dichloroethane2.1U14U1,2-Dichloroethane2.1U14U1,2-Dichloroethane2.1U14U1,2-Dichloroethane2.1U14U1,2-Dichloropropane2.1U14U1,2-Dichloropropene2.1U9.6UBromodichloromethane2.1U11Ucis-1,3-Dichloropropene2.1U9.4U1,1,2-Trichloroethane2.1U14U1,2-Dichloropropene2.1U9.4U1,2-Dichloropropene2.1U9.4U		Chlorometha	ine	52	U	110 U	
Chloroethane2.1U5.5UAcctone210U490UTrichlorofluoromethane2.1U12UAcrylonitrile52U110U1,1-Dichloroethene2.1U8.2Utrans-1,2-Dichloroethene2.1U8.2U1,1-Dichloroethene2.1U8.4UTrans-1,2-Dichloroethene2.1U8.4UMTBE2.1U7.5U2-Butanone8702600Ccis-1,2-Dichloroethane2.1U8.2UChloroform2.1U8.4U1,1-Dichloroethane2.1U10U1,2-Dichloroethane2.1U10U1,2-Dichloroethane2.1U13U1,2-Dichloroethane2.1U13U1,2-Dichloropropane2.1U9.6UBromodichloromethane2.1U14Utrichloroethane2.1U14Utrichloroethane2.1U14U1,2-Dichloropropene2.1U9.4U1,2-Dichloropropene2.1U14Utrichloroethane2.1U14Utrichloroethane2.1U14Utrichloroethane2.1U14Utrichloroethane2.1U14Utrichloroethane </td <td></td> <td>Vinyl chlorid</td> <td>le</td> <td>2.1</td> <td>U</td> <td>5.3 U</td> <td></td>		Vinyl chlorid	le	2.1	U	5.3 U	
Acetone210U490UTrichlorofluoromethane2.1U12UAcrylonitrile52U110U1,1-Dichloroethene2.1U8.2UMethylene chloride83U290Utrans-1,2-Dichloroethene2.1U8.4U1,1-Dichloroethane2.1U8.4U1,1-Dichloroethane2.1U8.4UMTBE2.1U7.5U2-Butanone8702600cis-1,2-Dichloroethane2.1U8.4U1,2-Dichloroethane2.1U8.4U1,2-Dichloroethane2.1U13U1,2-Dichloroethane2.1U13U1,2-Dichloroethane2.1U13U1,2-Dichloroethane2.1U14U1,2-Dichloropropane2.1U9.6UBromodichloromethane2.1U9.4U1,2-Dichloropropene2.1U9.4U1,2-Dichloropropene2.1U9.4U1,2-Dichloropropene2.1U14UTrichloroethane2.1U14U1,2-Dichloropropene2.1U14U1,2-Dichloropropene2.1U9.4U1,2-Dichloropropene2.1U14U1,2-Dichloropropene2.1U14U<		Chloroethan	8	2.1	U	5.5 U	
Trichlorofluoromethane2.1U12UAcrylonitrile52U110U1,1-Dichloroethene2.1U8.2UMethylene chloride83U290Utrans-1,2-Dichloroethene2.1U8.4U1,1-Dichloroethane2.1U8.4UMTBE2.1U7.5U2-Butanone8702600cis-1,2-Dichloroethene2.1U8.4U1,2-Dichloroethene2.1U8.4U1,2-Dichloroethene2.1U10U1,2-Dichloroethene2.1U13U2,2-Dichloroethene2.1U13U1,2-Dichloroethane2.1U13U1,2-Dichloroethane2.1U13U1,2-Dichloropropane2.1U9.6UBenzene4.2U13U1,2-Dichloropropane2.1U9.4U1,2-Dichloropropane2.1U14U1,2-Dichloropropene2.1U9.4U1,2-Dichloropropene2.1U14U1,2-Dichloroethane2.1U14U1,2-Dichloropropene2.1U14U1,2-Dichloropropene2.1U14U1,2-Dichloroethane2.1U14U1,2-Dichloroethane2.1U14U1		Acetone		210	U	490 U	
Acrylonitrile52U110U1,1-Dichloroethene2.1U8.2UMethylene chloride83U290Utrans-1,2-Dichloroethene2.1U8.4U1,1-Dichloroethane2.1U8.4UMTBE2.1U7.5U2-Butanone8702600cis-1,2-Dichloroethene2.1U8.2UChloroform2.1U8.4U1,1-Trichloroethane2.1U8.4U1,1,1-Trichloroethane2.1U10U1,2-Dichloroethane2.1U13UCarbon tetrachloride2.1U13U1,2-Dichloropropane2.1U14U1,2-Dichloropropane2.1U9.6UBromodichloromethane2.1U9.6Utrichloroethene2.1U9.4U1,2-Dichloropropene2.1U9.4U1,2-Dichloropropene2.1U9.4U1,2-Dichloropropene2.1U9.4U1,2-Dichloropropene2.1U9.4U1,2-Dichloropropene2.1U9.4U1,2-Dichloropropene2.1U9.4U1,2-Dichloropropene2.1U9.4U1,1,2-Trichloroethane2.1U14U1,1,2-Trichloroethane2.1U16		Trichlorofluo	oromethane	2.1	U	12 U	
1,1-Dichloroethene2.1U8.2UMethylene chloride83U290Utrans-1,2-Dichloroethene2.1U8.2U1,1-Dichloroethane2.1U8.4UMTBE2.1U7.5U2-Butanone8702600cis-1,2-Dichloroethane2.1U8.2UChloroform2.1U8.2U1,1-Dichloroethane2.1U8.4U1,2-Dichloroethane2.1U8.4U1,1-Trichloroethane2.1U11UBenzene4.2U13UCarbon tetrachloride2.1U9.6UBromodichloromethane2.1U9.6UTrichloroethane2.1U9.4U1,2-Dichloropropene2.1U9.4U1,2-Dichloropropene2.1U9.4U1,2-Dichloropropene2.1U9.4U1,2-Dichloropropene2.1U9.4U1,2-Dichloropropene2.1U9.4U1,1,2-Trichloroethane2.1U9.4U1,1,2-Trichloroethane2.1U18U1,2-Dibromoethane2.1U16U1,2-Dibromoethane2.1U14U1,1,2-Tetrachloroethane2.1U14U1,2-Dibromoethane2.1U14U		Acrylonitrile	;	52	U	110 U	
Methylene chloride83U290Utrans-1,2-Dichloroethane2.1U8.2U1,1-Dichloroethane2.1U8.4UMTBE2.1U7.5U2-Butanone8702600cis-1,2-Dichloroethane2.1U8.2UChloroform2.1U8.4U1,1-Trichloroethane2.1U8.4U1,1,1-Trichloroethane2.1U11UBenzene4.2U13UCarbon tetrachloride2.1U13U1,2-Dichloroppane2.1U14UTrichloroethane2.1U14UTrichloroethene2.1U11U1,2-Dichloropropene2.1U14U1,2-Dichloropropane2.1U14U1,2-Dichloropropene2.1U14U1,2-Dichloropropene2.1U11U1,2-Dichloropropene2.1U14U1,2-Dichloropropene2.1U14U1,2-Dichloropropene2.1U14U1,2-Dichloropropene2.1U14U1,2-Dichloropropene2.1U14U1,2-Dichloropropene2.1U14U1,2-Dichloropropene2.1U14U1,2-Dichloropropene2.1U16U1,2-Dic		1,1-Dichloro	ethene	2.1	Ŭ	8.2 U	
trans-1,2-Dichloroethane2.1U8.2U1,1-Dichloroethane2.1U8.4UMTBE2.1U7.5U2-Butanone 870 2600 cis-1,2-Dichloroethene2.1U8.2UChloroform2.1U8.2U1,2-Dichloroethane2.1U8.4U1,1,1-Trichloroethane2.1U11UBenzene4.2U13UCarbon tetrachloride2.1U13U1,2-Dichloropopane2.1U9.6UBromodichloromethane2.1U14UTrichloroethene2.1U9.4U4.2U11UU1,2-Dichloropropane2.1U9.4U1,2-Dichloropropane2.1U14UTrichloroethene2.1U9.4U4.4U11.1U11Ucis-1,3-Dichloropropene2.1U9.4U1,1,2-Trichloroethane2.1U11UToluene5.2U20UDibromochloromethane2.1U18U1,2-Dicthoroethane2.1U14U1,1,2-Tetrachloroethane2.1U14U1,1,2-Tetrachloroethane2.1U9.6UEthylbenzene2.1U9.6U		Methylene cl	hloride	83	U	290 U	
1,1-Dickloroethane2.1U8.4UMTBE2.1U7.5U2-Butanone 870 2600 cis-1,2-Dickloroethene2.1U 8.2 UChloroform2.1U 8.4 U1,2-Dickloroethane2.1U 8.4 U1,1,1-Trichloroethane2.1U 11 UBenzene 4.2 U 13 UCarbon tetrachloride2.1U 9.6 UBromodichloromethane2.1U 14 UTrichloroethene2.1U 9.6 UU14U 11 Ucis-1,3-Dichloropropene2.1U 9.4 U $1,1,2$ -Trichloroethane2.1U 9.4 U $1,1,2$ -Trichloroethane2.1U 11 U 11 U 11 Utrans-1,3-Dichloropropene2.1U 9.4 U $1,1,2$ -Trichloroethane2.1U 11 UU 11 U 11 UToluene 5.2 U 20 UDibromochloromethane2.1U 18 U $1,2$ -Dibromoethane2.1U 14 U $1,1,2$ -Tetrachloroethane2.1U 14 U $1,1,2$ -Tetrachloroethane2.1U 14 U $1,1,1,2$ -Tetrachloroethane2.1U 14 U $1,1,1,2$ -Tetrachloroethane2.1U $9.$		trans-1,2-Dic	chloroethene	2.1	U	8.2 U	
MTBE2.1U7.5U2-Butanone 870 2600 cis-1,2-Dichloroethene2.1U 8.2 UChloroform2.1U10U1,2-Dichloroethane2.1U 10 U1,1-Trichloroethane2.1U11UBenzene4.2U13UCarbon tetrachloride2.1U13U1,2-Dichloropropane2.1U9.6UBromodichloromethane2.1U14UTrichloroethene2.1U11Ucis-1,3-Dichloropropene2.1U9.4U4-Methyl-2-pentanone52U210Utrans-1,3-Dichloropropene2.1U11UToluene5.2U20UDibromochloromethane2.1U14U1,1,2-Trichloroethane2.1U14U1,2-Dibromoethane2.1U14U1,1,2-Tichloroethane2.1U14U1,1,2-Tetrachloroethane2.1U14U1,1,1,2-Tetrachloroethane2.1U14U1,1,1,2-Tetrachloroethane2.1U14U1,1,1,2-Tetrachloroethane2.1U14U1,1,1,2-Tetrachloroethane2.1U9.6UEthylbenzene2.1U9.6UEthylbenzene2.1U9.6U		1,1-Dichloro	ethane	2.1	U	8.4 U	
2-Butanone8702600cis-1,2-Dichloroethene2.1U8.2UChloroform2.1U10U1,2-Dichloroethane2.1U10U1,1,1-Trichloroethane2.1U11UBenzene4.2U13UCarbon tetrachloride2.1U13U1,2-Dichloropropane2.1U9.6UBromodichloromethane2.1U14UTrichloroethene2.1U11Ucis-1,3-Dichloropropene2.1U9.4U4-Methyl-2-pentanone52U210Utrans-1,3-Dichloropropene2.1U9.4U1,1,2-Trichloroethane2.1U11UToluene5.2U20UDibromochloromethane2.1U18U1,2-Dibromoethane2.1U14U1,1,2-Trichloroethane2.1U14U1,1,2-Tetrachloroethane2.1U14U1,1,1,2-Tetrachloroethane2.1U14U1,1,1,2-Tetrachloroethane2.1U9.6UEthylbenzene2.1U9.6U		MTBE		2.1	U	7.5 U	
cis-1,2-Dichloroethene2.1U8.2UChloroform2.1U10U1,2-Dichloroethane2.1U8.4U1,1,1-Trichloroethane2.1U11UBenzene4.2U13UCarbon tetrachloride2.1U13U1,2-Dichloropropane2.1U9.6UBromodichloromethane2.1U14UTrichloroethene2.1U9.4U4.Methyl-2-pentanone52U210U1,1,2-Trichloroethane2.1U9.4U1,1,2-Trichloroethane2.1U11UToluene5.2U20UDibromochloromethane2.1U14U1,2-Dichloropropene2.1U14U1,1,2-Trichloroethane2.1U14U1,2-Dichloropropene2.1U14U1,1,2-Trichloroethane2.1U14U1,2-Dibromoethane2.1U14U1,1,2-Tetrachloroethane2.1U14U1,1,1,2-Tetrachloroethane2.1U9.6UEthylbenzene2.1U9.6U		2-Butanone		870		2600	
Chloroform2.1U10U1,2-Dichloroethane2.1U8.4U1,1,1-Trichloroethane2.1U11UBenzene4.2U13UCarbon tetrachloride2.1U13U1,2-Dichloropropane2.1U9.6UBromodichloromethane2.1U14UTrichloroethene2.1U11Ucis-1,3-Dichloropropene2.1U9.4U4-Methyl-2-pentanone52U210Utrans-1,3-Dichloropropene2.1U11UToluene5.2U20UDibromochloromethane2.1U16U1,1,2-Trichloroethane2.1U14U1,2-Dibromoethane2.1U14U1,2-Dibromoethane2.1U14U1,2-Dibromoethane2.1U14U1,1,1,2-Tetrachloroethane2.1U14U1,1,1,2-Tetrachloroethane2.1U14ULinobenzene2.1U14ULinobenzene2.1U9.6U		cis-1,2-Dich	loroethene	2.1	U	8.2 U	
1,2-Dichloroethane2.1U8.4U1,1,1-Trichloroethane2.1U11UBenzene4.2U13UCarbon tetrachloride2.1U13U1,2-Dichloropropane2.1U9.6UBromodichloromethane2.1U14UTrichloroethene2.1U11Ucis-1,3-Dichloropropene2.1U9.4U4-Methyl-2-pentanone52U210Utrans-1,3-Dichloropropene2.1U11U1,1,2-Trichloroethane2.1U11UToluene5.2U20UDibromochloromethane2.1U18U1,2-Dibromoethane2.1U14U1,2-Trichloroethane2.1U14U1,2-Dibromoethane2.1U16UEthylbenzene2.1U14U1,1,2-Tetrachloroethane2.1U14U1,1,2-Tetrachloroethane2.1U14U1,1,2-Tetrachloroethane2.1U9.6UEthylbenzene2.1U9.0U		Chloroform		2.1	U	10 U	
1,1,1-Trichloroethane 2.1 U 11 U Benzene 4.2 U 13 U Carbon tetrachloride 2.1 U 13 U $1,2$ -Dichloropropane 2.1 U 9.6 U Bromodichloromethane 2.1 U 14 U Trichloroethene 2.1 U 11 U cis- $1,3$ -Dichloropropene 2.1 U 9.4 U 4 -Methyl-2-pentanone 52 U 210 U trans- $1,3$ -Dichloropropene 2.1 U 9.4 U $1,1,2$ -Trichloroethane 2.1 U 9.4 U Toluene 2.1 U 11 U Dibromochloromethane 2.1 U 14 U $1,2$ -Dibromoethane 2.1 U 14 U $1,2$ -Dibromoethane 2.1 U 14 U $1,2$ -Dibromoethane 2.1 U 14 U $1,1,1,2$ -Tetrachloroethane 2.1 U 14 U $1,1,1,2$ -Tetrachloroethane 2.1 U 14 U $1,1,1,2$ -Tetrachloroethane 2.1 U 9.6 U Ethylbenzene 2.1 U 9.0 U		1,2-Dichloro	ethane	2.1	U	8.4 U	
Benzene4.2U13UCarbon tetrachloride2.1U13U1,2-Dichloropropane2.1U9.6UBromodichloromethane2.1U14UTrichloroethene2.1U11Ucis-1,3-Dichloropropene2.1U9.4U4-Methyl-2-pentanone52U210Utrans-1,3-Dichloropropene2.1U9.4U1,1,2-Trichloroethane2.1U11UToluene5.2U20UDibromochloromethane2.1U18U1,2-Dibromoethane2.1U14U1,2-Dibromoethane2.1U14U1,1,2-Tetrachloroethane2.1U14U1,1,1,2-Tetrachloroethane2.1U9.6UEthylbenzene2.1U9.0UI		1,1,1-Trichlo	oroethane	2.1	U	11 U	
Carbon tetrachloride2.1U13U1,2-Dichloropropane2.1U9.6UBromodichloromethane2.1U14UTrichloroethene2.1U11Ucis-1,3-Dichloropropene2.1U9.4U4-Methyl-2-pentanone52U210Utrans-1,3-Dichloropropene2.1U9.4U1,1,2-Trichloroethane2.1U11UToluene5.2U20UDibromochloromethane2.1U18U1,2-Dibromoethane2.1U14U1,1,1,2-Tetrachloroethane2.1U14U1,1,1,2-Tetrachloroethane2.1U14ULorobenzene2.1U9.6UEthylbenzene2.1U9.0UEthylbenzene		Benzene		4.2	U	13 U	
1,2-Dichloropropane2.1U9.6UBromodichloromethane2.1U14UTrichloroethene2.1U11Ucis-1,3-Dichloropropene2.1U9.4U4-Methyl-2-pentanone52U210Utrans-1,3-Dichloropropene2.1U9.4U1,1,2-Trichloroethane2.1U11UToluene5.2U20UDibromochloromethane2.1U18U1,2-Dibromoethane2.1U14U1,1,2-Tetrachloroethane2.1U14UChlorobenzene2.1U9.6UEthylbenzene2.1U9.0U		Carbon tetra	chloride	2.1	U	13 U	
Bromodichloromethane 2.1 U 14 UTrichloroethene 2.1 U 11 Ucis-1,3-Dichloropropene 2.1 U 9.4 U4-Methyl-2-pentanone 52 U 210 Utrans-1,3-Dichloropropene 2.1 U 9.4 U1,1,2-Trichloroethane 2.1 U 11 UToluene 5.2 U 20 UDibromochloromethane 2.1 U 18 U1,2-Dibromoethane 2.1 U 16 UTetrachloroethene 2.1 U 14 U1,1,1,2-Tetrachloroethane 2.1 U 14 UEthylbenzene 2.1 U 9.6 U		1,2-Dichloro	propane	2.1	U	9.6 U	
Trichloroethene 2.1 U 11 Ucis-1,3-Dichloropropene 2.1 U 9.4 U4-Methyl-2-pentanone 52 U 210 Utrans-1,3-Dichloropropene 2.1 U 9.4 U1,1,2-Trichloroethane 2.1 U 11 UToluene 5.2 U 20 UDibromochloromethane 2.1 U 18 U1,2-Dibromoethane 2.1 U 16 UTetrachloroethene 2.1 U 14 U1,1,1,2-Tetrachloroethane 2.1 U 9.6 UEthylbenzene 2.1 U 9.0 U		Bromodichlo	oromethane	2.1	U	14 U	
$\begin{array}{cccc} cis-1,3-Dichloropropene & 2.1 & U & 9.4 & U \\ \hline 4-Methyl-2-pentanone & 52 & U & 210 & U \\ \hline trans-1,3-Dichloropropene & 2.1 & U & 9.4 & U \\ \hline 1,1,2-Trichloroethane & 2.1 & U & 11 & U \\ \hline Toluene & 5.2 & U & 20 & U \\ \hline Dibromochloromethane & 2.1 & U & 18 & U \\ \hline 1,2-Dibromoethane & 2.1 & U & 16 & U \\ \hline Tetrachloroethene & 2.1 & U & 14 & U \\ \hline 1,1,1,2-Tetrachloroethane & 2.1 & U & 14 & U \\ \hline 1,1,1,2-Tetrachloroethane & 2.1 & U & 9.6 & U \\ \hline Ethylbenzene & 2.1 & U & 9.0 & U \\ \hline \end{array}$		Trichloroeth	ene	2.1	U	<u>11 U</u>	
4-Methyl-2-pentanone52U210Utrans-1,3-Dichloropropene2.1U9.4U1,1,2-Trichloroethane2.1U11UToluene 5.2 U20UDibromochloromethane2.1U18U1,2-Dibromoethane2.1U16UTetrachloroethene2.1U14U1,1,2-Tetrachloroethane2.1U9.6UEthylbenzene2.1U9.0U		cis-1,3-Dich	oropropene	2.1	U	9.4 U	
trans-1,3-Dichloropropene 2.1 U 9.4 U $1,1,2$ -Trichloroethane 2.1 U 11 UToluene 5.2 U 20 UDibromochloromethane 2.1 U 18 U $1,2$ -Dibromoethane 2.1 U 16 UTetrachloroethane 2.1 U 14 U $1,1,1,2$ -Tetrachloroethane 2.1 U 14 U $1,1,1,2$ -Tetrachloroethane 2.1 U 9.6 UEthylbenzene 2.1 U 9.0 U		4-Methyl-2-	pentanone	52	U	210 U	
1,1,2-Trichloroethane2.1U11UToluene5.2U20UDibromochloromethane2.1U18U1,2-Dibromoethane2.1U16UTetrachloroethane2.1U14U1,1,1,2-Tetrachloroethane2.1U14UChlorobenzene2.1U9.6UEthylbenzene2.1U9.0U		trans-1,3-Dic	chloropropene	2.1	U	9.4 U	
Toluene5.2U20UDibromochloromethane2.1U18U1,2-Dibromoethane2.1U16UTetrachloroethane2.1U14U1,1,1,2-Tetrachloroethane2.1U14UChlorobenzene2.1U9.6UEthylbenzene2.1U9.0U		1,1,2-Trichlo	proethane	2.1	U	11 U	
Dibromochloromethane2.1U18U1,2-Dibromoethane2.1U16UTetrachloroethene2.1U14U1,1,1,2-Tetrachloroethane2.1U14UChlorobenzene2.1U9.6UEthylbenzene2.1U9.0U		Toluene		5.2	U	20 U	
1,2-Dibromoethane2.1U16UTetrachloroethane2.1U14U1,1,1,2-Tetrachloroethane2.1U14UChlorobenzene2.1U9.6UEthylbenzene2.1U9.0U		Dibromochlo	promethane	2.1	U	18 U	
Tetrachloroethene2.1U14U1,1,1,2-Tetrachloroethane2.1U14UChlorobenzene2.1U9.6UEthylbenzene2.1U9.0U		1,2-Dibromo	ethane	2.1	U	16 U	
1,1,1,2-Tetrachloroethane2.1U14UChlorobenzene2.1U9.6UEthylbenzene2.1U9.0U		Tetrachloroe	thene	2.1	U	<u>14 U</u>	
Chlorobenzene2.1U9.6UEthylbenzene2.1U9.0U		1,1,1,2-Tetra	chloroethane	2.1	U	14 U	
Ethylbenzene 2.1 U 9.0 U		Chlorobenze	ne	2.1	U	<u>9.6 U</u>	
		Ethylbenzen	e	2.1	U	9.0 U	
$\begin{array}{c cccc} p+m-Xylene & 4.2 & U & 18 & U \\ \hline \end{array}$		p+m-Xylene		4.2	U	18 U	
$\frac{2.1 \text{ U}}{22 \text{ U}}$		Bromotorm		2.1	U	22 U	
Styrene 2.1 U 8.9 U		Styrene		2.1	U	8.9 U	



EA Engineering, Science & Technology Adelaide Ave. School : MP-7 N/A SDG: N/A Soil Vapor

Lab Code: MA00030 ETR: 0708007 Lab ID: 0708007-01E Associated Blank: VA081307B14

			Sample	Final		
Date Collected	Date Received	Date Analyzed	Amount (ml)	Volume (ml)	Dilution Factor	Analyst
07/30/07	07/31/07	08/10/07	2.4	250	104.17	APR
	Parameter	A	Raw An	nount	Result	- I .
			ppb	v	μg/m³	
	1,1,2,2-Tetra	chloroethane	2.1	U	14 U	
	o-Xylene		2.1	U	9.0 U	-
	Isopropylbenzene			U	260 U	-
	1,3,5-Trimet	hylbenzene	2.1	Ŭ	10 U	_
	1,2,4-Trimet	hylbenzene	2.1	U	10 U	_
	1,3-Dichloro	benzene	2.1	U	12 U	_
	1,4-Dichloro	benzene	2.1	U	12 U	_
	sec-Butylben	izene	52	U	260 U	_
	p-Isopropylto	oluene	52	U	290 U	-
	1,2-Dichloro	benzene	2.1	U	12 U	~
	n-Butylbenze	ene	52	U	290 U	-

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



EA Engineering, Science & Technology Adelaide Ave. School MP-4 N/A SDG: N/A Soil Vapor

Lab Code: MA00030 ETR: 0708007 Lab ID: 0708007-02 Associated Blank: VA081307B14

			Sample	Final		
Date Collected	Date Received	Date Analyzed	Amount (ml)	Volume (ml)	Dilution Factor	Analyst
07/30/07	07/31/07	08/10/07	25	250	10	APR
	Parameter	I	Raw Am	ount	Result	La
			ppbv		μg/m³	
	Dichlorodiflu	uoromethane	0.51		2.5	
	Chlorometha	ne	5.0	U	10 U	
	Vinyl chloric	le	0.20	U	0.51 U	
	Chloroethane	e	0.20	U	0.53 U	
	Acetone		4500	Е	11000 E	
	Trichlorofluc	oromethane	9.3		52	
	Acrylonitrile		5.0	U	11 U	
	1,1-Dichloro	ethene	0.20	U	0.79 U	
	Methylene ch	nloride	8.0	U	28 U	
	trans-1,2-Dic	hloroethene	0.20	U	0.79 U	
	1,1-Dichloro	ethane	0.20	U	0.81 U	
	MTBE	****	0.20	U	0.72 U	
	2-Butanone		26000) E	76000 E	
	cis-1,2-Dichl	oroethene	0.20	U	0.79 U	
	Chloroform		0.20	U	0.98 U	
	1,2-Dichloro	ethane	0.20	U	0.81 U	
	1,1,1-Trichlo	roethane	0.20	U	1.1 U	
	Benzene		0.26	J	0.83 J	
	Carbon tetrac	chloride	0.20	U	1.3 U	
	1,2-Dichloro	propane	0.20	U	0.92 U	
	Bromodichlo	romethane	0.20	U	1.3 U	
	Trichloroethe	ene	4.0		22	
	cis-1,3-Dichl	oropropene	0.20	U	0.91 U	
	4-Methyl-2-p	oentanone	5.0	U	20 U	
	trans-1,3-Dic	hloropropene	0.20	U	0.91 U	
	1,1,2-Trichlo	roethane	0.20	U	1.1 U	
	Toluene		0.78		2.9	
	Dibromochlo	oromethane	0.20	U	1.7 U	
	1,2-Dibromo	ethane	0.20	U	1.5 U	
	Tetrachloroet	thene	0.32		2.2	
	1,1,1,2-Tetra	chloroethane	0.20	U	1.4 U	
	Chlorobenzer	ne	0.20	U	0.92 U	
	Ethylbenzene	9	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	



EA Engineering, Science & Technology Adelaide Ave. School MP-4 N/A SDG: N/A Soil Vapor

Lab Code: MA00030 ETR: 0708007 Lab ID: 0708007-02 Associated Blank: VA081307B14

			Sample	Final		
Date Collected	Date Received	Date Analyzed	Amount (ml)	Volume (ml)	Dilution Factor	Analyst
07/30/07	07/31/07	08/10/07	25	250	10	APR
L	Parameter	1	Raw Ai	nount	Result	
			ppt	v	μg/m³	
	1,1,2,2-Tetra	chloroethane	0.2	0 U	1.4 U	
	o-Xylene		0.2	0 U	0.87 U	
	Isopropylbenzene) U	25 U	
	1,3,5-Trimet	hylbenzene	0.2	0 U	0.98 U	
	1,2,4-Trimet	hylbenzene	0.3	5	1.7	
	1,3-Dichloro	benzene	0.2	0 U	1.2 U	
	1,4-Dichloro	benzene	0.3	4	2.0	
	sec-Butylber	izene	5.() U	25 U	
	p-Isopropylto	oluene	5.0) U	27 U	
	1,2-Dichloro	benzene	0.2	0 U	1.2 U	
	n-Butylbenzo	ene	5.0) U	27 U	

N/A - Not Applicable

- E Estimated value, exceeds the upper limit of calibration.
- J Estimated value, below quantitation limit.
- U The analyte was analyzed for but not detected at the sample specific level reported.



EA Engineering, Science & Technology Adelaide Ave. School MP-4 N/A SDG: N/A Soil Vapor

Lab Code: MA00030 ETR: 0708007 Lab ID: 0708007-02E Associated Blank: VA081307B14

$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$					Sample	Final		
07/30/07 07/31/07 08/10/07 0.16 250 1562.5 APR Rarmeter Raw Amount Result ppbv µg/m² Dichlorodifluoromethane 31 U 150 U Chloromethane 780 U 1600 U Vinyl chloride 31 U 82 U Acetone 5800 14000 Trichklorofluoromethane 31 U 80 U Acetone 5800 14000 U 1700 U 1,1-Dichloromethane 31 U 120 U Acetone 780 U 1700 U 1,1-Dichloromethane 31 U 130 U I,1-Dichloroethene 31 U 130 U 130 U 150 U 2-Butanone 62000 180000 U 1,1,1-Trichloroethane 31 U 130 U 140 U 1,2-Dichloroptopane		Date Collected	Date Received	Date Analyzed	Amount (ml)	Volume (ml)	Dilution Factor	Analyst
Parameter Raw Amount ppbv Result $\mu g/m^2$ Dichlorodifluoromethane 31 U 150 U Chloromethane 780 U 1600 U Vinyl chloride 31 U 80 U Chloromethane 31 U 82 U Acetone 5800 14000 Trichlorofluoromethane 31 U 82 U Acetone 5800 14000 Trichlorofluoromethane 31 U 180 U Acetone 1200 U 4300 U 1700 U I,1-Dichloroethane 31 U 120 U 101 U Z-Butanone 62000 180000 0 0 0 1,2.Dichloroethane 31 <u< td=""> 130 U 1,2-Dichloroethane 31 U 130 U 140 U Charoform 31 U 130 U 140 U 1,2.Dichloroethane 31<u< td=""> <td< td=""><td></td><td>07/30/07</td><td>07/31/07</td><td>08/10/07</td><td>0.16</td><td>250</td><td>1562.5</td><td>APR</td></td<></u<></u<>		07/30/07	07/31/07	08/10/07	0.16	250	1562.5	APR
ppbv $\mu g/m^3$ Dichlorodifluoromethane31U150UChloromethane780U1600UVinyl chloride31U80UAcetone580014000Trichlorofluoromethane31U180UAcrylonitrile780U1700U1,1-Dickloroethane31U120UAcrylonitrile780U1700U1,1-Dickloroethane31U120UTrichlorofluoromethane31U120U100U100UAcrylonitrile780U1300UU100UTrichlorofluoromethane31U130UU100UTrichlorofluoromethane31U130UU100U1,1-Dickloroethane31U130UU100U2-Butanone62000180000U11,1-Trichloroethane31 <u< td="">130U1,2-Dichloroethane31U130U100U12,2U1,2-Dichloroethane31<u< td="">U100U12,2U12,0U1,2-Dichloroethane31<u< td="">10100U12,0U12,0U1,2-Dichloroethane31<u< td="">10100U12,0U12,0U12,0U1,2-Dichloroethane31<u< td="">10010010012,0U1</u<></u<></u<></u<></u<>	l	energe and a difference of the second s	Parameter	LI	Raw Amo	ount	Result	
Dicklorodifluoromethane31U150UChloromethane780U1600UVinyl chloride31U80UChloroethane31U82UAcetone 5800 14000Trichlorofluoromethane31U182UAcetone780U1700UAcrylonitrile780U1700UAcrylonitrile780U1700UUInterferenceInterferenceInterferenceInterferenceMethylene chlorode200U4300UInterferenceInterferenceInterferenceInterferenceJ. JDichloroethane31U120UInterferenceInterferenceInterference2-Butanone62000180000InterferenceInterferenceInterferenceInterference2-Butanone62000180000InterferenceInterferenceInterference2-Butanone31U130UInterference2-Butanone31U130UInterference2-Dichloropthane31U130UInterference2-Dichloroptopane31U140UInterference31U140U11,1-2-Dichloroptopane31U140U1,1,2-Trichloroethane31U140UInterference11U101,1,2-Trichloroethane31U240UInt					ppbv		μg/m³	
Chloromethane780U1000UVinyl chloride31U80UChloroethane31U82UAcetone $$800$ 14000Trichlorofhuoromethane31U180UAcrylonitrile780U1700U1,1-Dichloroethene31U120Utrans-1,2-Dichloroethene31U120Utrans-1,2-Dichloroethene31U130U2-Butanone 62000 180000cis-1,2-Dichloroethane31Ucis-1,2-Dichloroethane31U120U2-Butanone 62000 180000cis-1,2-Dichloroethane31U1,1-Dichloroethane31U120U2-Botanone 62000 180000cis-1,2-Dichloroethane31U1,2-Dichloroethane31U120U1,2-Dichloroethane31U120U1,2-Dichloropropane31U140U1,2-Dichloropropane31U140U1,2-Dichloropropene31U140U1,2-Dichloropropene31U140U1,2-Dichloropropene31U140U1,2-Dichloropropene31U140U1,2-Dichloropropene31U140U1,2-Dichloropropene31U140U1,2-Dichloropropene31U140			Dichlorodifl	oromethane	31	IJ	150 U	
Vinyl chloride31U80UChloroethane31U82UAcetone $$$000$ 14000Trichlorofluoromethane31U180UAcrylonitrile780U1700U1,1-Dichloroethene31U120UMethylene chloride1200U4300Utrans-1,2-Dichloroethene31U130U1,1-Dichloroethane31U130UMTBE31U110U2-Butanone 62000 80000 tiscis-1,2-Dichloroethane31U120UChloroform31U120UChloroform31U130U1,2-Dichloroethane31U170U2-Butanone 62 U200U1,2-Dichloropothane31U170U1,2-Dichloropopane31U140U1,2-Dichloropopane31U140U1,3-Dichloropopene31U140U1,3-Dichloropopene31U140U1,1,2-Trichloroethane31U200U1,3-Dichloropopene31U140U1,1,2-Trichloroethane31U200U1,2-Dichloropopene31U140U1,1,1,2-Trichloroethane31U200U1,2-Dibromochane31<			Chlorometha	ne	780	Ū	1600 U	
Chloroethane31U82UAcetone580014000Trichlorofluoromethane31U180UAcrylonitrile780U1700U1,1-Dichloroethene31U120UMethylene chloride1200U4300Utrans-1,2-Dichloroethene31U130UMTBE31U110U2-Butanone62000180000cis-1,2-Dichloroethene31U120UChloroethane31U130U1,2-Dichloroethane31U130U1,2-Dichloroethane31U130U1,2-Dichloroethane31U130U1,2-Dichloroethane31U170UBenzene62U200U1,2-Dichloroethane31U170UBenzene62U200U1,2-Dichloropropane31U140U1,2-Dichloropropane31U140U1,2-Dichloropropane31U140U1,2-Dichloropropene31U170Ucis-1,3-Dichloropropene31U140U1,1,2-Trichloroethane31U170U1,1,2-Trichloroethane31U270U1,2-Dibrooethane31U210U1,1,2-Trichloroethane31U <td></td> <td></td> <td>Vinyl chlorid</td> <td>le</td> <td>31</td> <td>Ū</td> <td>80 U</td> <td></td>			Vinyl chlorid	le	31	Ū	80 U	
Acetone 5800 14000 Trichlorofluoromethane31U180Acrylonitrile780U1,1-Dichloroethene31U120Methylene chloride1200U4300Utrans-1,2-Dichloroethene31U1201,1-Dichloroethane31U130MTBE31U1102-Butanone 62000 180000 cis-1,2-Dichloroethane31U120Chloroform31U1301,2-Dichloroethane31U1301,2-Dichloroethane31U1002-Butanone 62000 180000 cis-1,2-Dichloroethane31U1001,2-Dichloroethane31U1001,2-Dichloroethane31U1001,2-Dichloroethane31U1001,2-Dichloroethane31U2001,2-Dichloroethane31U2001,2-Dichloropropane31U140Bromodichloromethane31U140U1,2-Dichloropropene31U1404-Methyl-2-pentanone78U290UUibromochlare31U2401,1,2-Trichloroethane31U2401,1,2-Trichloroethane31U2401,1,2-Trichloroethane31U210UUibromochloromethane31U2401,1,1,2-Trich			Chloroethand	5	31	U	82 U	
Trichlorofluoromethane31U180UAcrylonitrile780U1700U1,1-Dichloroethene31U120UMethylene chloride1200U4300Utrans-1,2-Dichloroethene31U120U1,1-Dichloroethane31U130UMTBE31U110U2-Butanone 62000180000 cis-1,2-Dichloroethane31U130U1,1-Trichloroethane31U130U1,2-Dichloroethane31U130U1,2-Dichloroethane31U100U1,2-Dichloroethane31U100U1,2-Dichloroethane31U100U1,2-Dichloroethane31U200U1,2-Dichloroethane31U200UCarbon tetrachloride31U210UTrichloroethane31U140U4-Methyl-2-pentanone780U3200U1,1,2-Tirichloroethane31U140U1,1,2-Tirichloroethane31U210U1,1,2-Tirichloroethane31U210U1,1,2-Tirichloroethane31U210U1,1,2-Tirichloroethane31U210U1,1,2-Tirichloroethane31U210U1,1,1,2-Terichloroethane31			Acetone		5800		14000	
Acrylonitrile780U1700U1,1-Dichloroethene31U120UMethylene chloride1200U4300Utrans-1,2-Dichloroethene31U120U1,1-Dichloroethane31U130UMTBE31U110U2-Butanone 62000180000 cis-1,2-Dichloroethene31U120U1,1-Dichloroethane31U130U1,2-Dichloroethane31U130U1,2-Dichloroethane31U170UBenzene62U200UCarbon tetrachloride31U170UBromodichloromethane31U140U1,2-Dichloroptopane31U140Utrichloroethene31U140Utrichloroethene31U170Ucis-1,3-Dichloropropene31U140U1,1,2-Trichloroethane31U200UTohuene78U200UDibromochloromethane31U210U1,1,2-Trichloroethane31U140U1,1,2-Trichloroethane31U210U1,1,1,2-Tetrachloroethane31U210U1,1,1,2-Tetrachloroethane31U210U1,1,1,2-Tetrachloroethane31U210U<			Trichlorofluc	oromethane	31	U	180 U	
1,1-Dickloroethene31U120UMethylene chloride1200U4300Utrans-1,2-Dickloroethene31U120U1,1-Dickloroethene31U130UMTBE31U110U2-Butanone 62000180000 cis-1,2-Dickloroethene31U120UChloroform31U150U1,1-Trichloroethane31U130U1,1,1-Trichloroethane31U170UBenzene62U200UCarbon tetrachloride31U140UBromodichloromethane31U140UTrichloroethane31U170Udefinition31U200Ucis-1,3-Dichloroppane31U140U4-Methyl-2-pentanone780U3200Utrans-1,3-Dichloropropene31U140U1,1,2-Trichloroethane31U270U1,1,2-Trichloroethane31U210U1,1,1,2-Texchloroethane31U210U1,1,1,2-Texchloroethane31U210U1,1,1,2-Texchloroethane31U210U1,1,1,2-Texchloroethane31U210U1,1,1,2-Texchloroethane31U210U1,1,1,2-Texchloroethane31U<			Acrylonitrile		780	U	1700 U	
Methylene chloride1200U4300Utrans-1,2-Dichloroethene31U120U1,1-Dichloroethane31U130UMTBE31U110U2-Butanone 62000180000 cis-1,2-Dichloroethene31U120UChloroform31U150U1,2-Dichloroethane31U130U1,2-Dichloroethane31U170UBenzene62U200UCarbon tetrachloride31U210U1,2-Dichloropropane31U140U1,2-Dichloropropane31U140UBromodichloromethane31U170Ucis-1,3-Dichloropropene31U140U4-Methyl-2-pentanone780U3200UToluene78U290UDibromochloromethane31U240UToluene31U210U1,2-Dichloropropene31U210U1,1,2-Trichloroethane31U210U1,2,2-Tichloroethane31U210U1,2,2-Tichloroethane31U210U1,2,2-Tichloroethane31U210U1,2,2-Tichloroethane31U210U1,2,2-Tichloroethane31U210U1,2,			1,1-Dichloro	ethene	31	U	120 U	
trans-1,2-Dichloroethene31U120U1,1-Dichloroethane31U130UMTBE31U110U2-Butanone 62000 180000 cis-1,2-Dichloroethene31U120UChloroform31U150U1,2-Dichloroethane31U130U1,1,1-Trichloroethane31U170UBenzene62U200UCarbon tetrachloride31U140UBromodichloromethane31U170UBromodichloromethane31U140UTrichloroethane31U170UCarbon tetrachloride31U140U1,2-Dichloroppane31U140UTrichloroethane31U170Ucis-1,3-Dichloropropene31U140U1,1,2-Trichloroethane31U170UTohene78U290UDibromochloromethane31U210U1,2-Dibromoethane31U210U1,2-Dichloroethane31U210U1,1,2-Trichloroethane31U210U1,2-Dibromoethane31U210U1,2-Dibromoethane31U210U1,2-Dibromoethane31U210U1,1,1,2-Tetrach			Methylene cl	nloride	1200	U	4300 U	
1,1-Dichloroethane31U130UMTBE31U110U2-Butanone 62000 180000 cis-1,2-Dichloroethane31U120UChloroform31U150U1,2-Dichloroethane31U130U1,1,1-Trichloroethane31U170UBenzene 62 U200UCarbon tetrachloride31U200U1,2-Dichloropropane31U140UBromodichloromethane31U170Ucis-1,3-Dichloropropene31U140Utrans-1,3-Dichloropropene31U140U1,1,2-Trichloroethane780U3200Utrans-1,3-Dichloropropene31U140U1,1,2-Tichloroethane31U170Utrans-1,3-Dichloropropene31U140U1,1,2-Tichloroethane31U270U1,1,2-Tichloroethane31U210U1,1,2-Tichloroethane31U210U1,1,2-Tichloroethane31U210U1,2-Dibromoethane31U210U1,2-Dibromoethane31U210U1,2-Dibromoethane31U210U1,2-Dibromoethane31U210U1,2-Dibromoethane31U210 <td></td> <td></td> <td>trans-1,2-Dic</td> <td>hloroethene</td> <td>31</td> <td>U</td> <td>120 U</td> <td></td>			trans-1,2-Dic	hloroethene	31	U	120 U	
MTBE31U110U2-Butanone 62000 180000 cis-1,2-Dichloroethene31U120UChloroform31U150U1,2-Dichloroethane31U130U1,1,1-Trichloroethane31U170UBenzene62U200UCarbon tetrachloride31U200U1,2-Dichloropropane31U140UBromodichloromethane31U210UTrichloroethene31U140U4-Methyl-2-pentanone780U3200Utrans-1,3-Dichloropropene31U170U1,1,2-Trichloroethane31U270U1,2-Dibromoethane31U240UTetrachloroethane31U240U1,2-Dibromoethane31U210U1,2-Trichloroethane31U240UTetrachloroethane31U210U1,2-Dibromoethane31U210U1,2-Dibromoethane31U140U1,2-Dibromoethane31U210U1,2-Dibromoethane31U210U1,2-Dibromoethane31U210U1,2-Dibromoethane31U140U1,1,1,2-Tetrachloroethane31U140UEthyl			1,1-Dichloro	ethane	31	U	130 U	
2-Butanone 62000 18000 cis-1,2-Dichloroethene 31 U 120 U Chloroform 31 U 150 U 1,2-Dichloroethane 31 U 130 U 1,1,1-Trichloroethane 31 U 170 U Benzene 62 U 200 U Carbon tetrachloride 31 U 200 U Bromodichloropropane 31 U 200 U Trichloroethene 31 U 140 U Bromodichloropropene 31 U 140 U trinkloroethene 31 U 140 U trinkloroethane 31 U 140 U trinkloroethane 31 U 270 U 1,2-Dibromoethane 31 U 210 U 1,2-Dibromoethane 31 U 210 U 1,1,2-Tetrachloroethane 31 U 140 U 1,1,2-Tetrachloroethane 31 U 140 U 1,1,1,2-Tetrachloroethane 31 U 140 U Ethylbenzene 31 U 140 U Ethylbenzene 31 U 140 U <tr< td=""><td></td><td></td><td>MTBE</td><td></td><td>31</td><td>U</td><td>110 U</td><td></td></tr<>			MTBE		31	U	110 U	
cis-1,2-Dichloroethene31U120UChloroform31U150U1,2-Dichloroethane31U130U1,1,1-Trichloroethane31U170UBenzene62U200UCarbon tetrachloride31U200U1,2-Dichloropropane31U200UIrcichoroethane31U210UTrichloroethene31U170Ucis-1,3-Dichloropropene31U140U4-Methyl-2-pentanone780U3200Utrans-1,3-Dichloropropene31U140U1,2-Trichloroethane31U290UDibromochloromethane31U200U1,2-Dibronoethane31U210U1,2-Dibromochloromethane31U210U1,2-Dibromochloromethane31U210U1,2-Dibromochloroethane31U210U1,1,1,2-Tetrachloroethane31U210U1,1,1,2-Tetrachloroethane31U140UEthylbenzene31U140UEthylbenzene31U140UEthylbenzene31U140UStyrene31U320U			2-Butanone		62000		180000	
Chloroform31U150U1,2-Dichloroethane31U130U1,1,1-Trichloroethane31U170UBenzene62U200UCarbon tetrachloride31U200U1,2-Dichloropropane31U140UBromodichloromethane31U210UTrichloroethene31U170Ucis-1,3-Dichloropropene31U140U4-Methyl-2-pentanone780U3200Utrans-1,3-Dichloropropene31U170U1,1,2-Trichloroethane31U290UDibromochloromethane31U270U1,2-Dibromoethane31U240Utrans-1,3-Dichloroptopene31U210U1,1,2-Trichloroethane31U210U1,2-Dibromoethane31U210U1,2-Dibromoethane31U210U1,2-Dibromoethane31U210U1,1,1,2-Tetrachloroethane31U210UChlorobenzene31U140UEthylbenzene31U140UEthylbenzene31U320UBromoform31U320UStyrene31U320U			cis-1,2-Dichl	oroethene	31	U	120 U	
1,2-Dichloroethane31U130UI,1,1-Trichloroethane31U170UBenzene 62 U 200 UCarbon tetrachloride31U 200 U1,2-Dichloropropane31U140UBromodichloromethane31U 140 UTrichloroethene31U170Ucis-1,3-Dichloropropene31U140U4-Methyl-2-pentanone780U3200Utrans-1,3-Dichloropropene31U170UToluene78U290UDibromochloromethane31U170UToluene78U290UU1,2-Trichloroethane31U210U1,2-Dibromoethane31U210U1,2-Dibromoethane31U210U1,2-Dibromoethane31U210U1,2-Dibromoethane31U210U1,2-Dibromoethane31U210U1,1,1,2-Tetrachloroethane31U140UEthylbenzene31U140UHarmonform31U320UStyrene31U140UEthylbenzene31U140UStyrene31U130U			Chloroform		31	U	150 U	
1,1,1-1richloroethane31U170UBenzene 62 U 200 UCarbon tetrachloride 31 U 200 U1,2-Dichloropropane 31 U 140 UBromodichloromethane 31 U 140 UTrichloroethene 31 U 170 Ucis-1,3-Dichloropropene 31 U 170 U4-Methyl-2-pentanone 780 U 3200 Utrans-1,3-Dichloropropene 31 U 140 U1,1,2-Trichloroethane 31 U 290 UDibromochloromethane 31 U 270 U70U 210 U 210 U1,1,2-Trichloroethane 31 U 210 U1,1,1,2-Trichloroethane 31 U 210 U1,1,1,2-Trichloroethane 31 U 210 U1,1,1,2-Tetrachloroethane 31 U 210 U1,1,1,2-Tetrachloroethane 31 U 140 UEthylbenzene 31 U 140 UEthylbenzene 31 U 140 UDibromoform 31 U 320 UBromoform 31 U 140 UU 31 U 320 UU 31 U 320 UU 31 U 320 UU 31 U 320 UU 31 <td></td> <td></td> <td>1,2-Dichloro</td> <td>ethane</td> <td>31</td> <td>U</td> <td>130 U</td> <td></td>			1,2-Dichloro	ethane	31	U	130 U	
Benzene62U200UCarbon tetrachloride31U200U1,2-Dichloropropane31U140UBromodichloromethane31U210UTrichloroethene31U170Ucis-1,3-Dichloropropene31U140U4-Methyl-2-pentanone780U3200Utrans-1,3-Dichloropropene31U140U1,1,2-Trichloroethane31U170UToluene78U290UDibromochloromethane31U270U1,2-Dirbioromethane31U210UToluene78U290UDibromochloromethane31U210U1,1,2-Tritchloroethane31U210U1,1,2-Tetrachloroethane31U210U1,1,1,2-Tetrachloroethane31U140UEthylbenzene31U140UPim-Xylene62U270UBromoform31U320U			1,1,1-Trichlo	roethane	31	U	170 U	
Carbon tetrachloride31U200U1,2-Dichloropropane31U140UBromodichloromethane31U210UTrichloroethene31U170Ucis-1,3-Dichloropropene31U140U4-Methyl-2-pentanone780U3200Utrans-1,3-Dichloropropene31U140U1,1,2-Trichloroethane31U170UToluene78U290UDibromochloromethane31U270U1,2-Dibromoethane31U210U1,2-Dibromoethane31U210U1,2-Dibromoethane31U210U1,2-Dibromoethane31U210U1,2-Dibromoethane31U210U1,2-Dibromoethane31U210U1,2-Dibromoethane31U210U1,2-Dibromoethane31U210U1,1,1,2-Tetrachloroethane31U140UEthylbenzene31U140Up+m-Xylene62U270UBromoform31U320UStyrene31U130U			Benzene		62	U	200 U	
1,2-Dichloropropane31U140UBromodichloromethane31U210UTrichloroethene31U170Ucis-1,3-Dichloropropene31U140U4-Methyl-2-pentanone780U3200Utrans-1,3-Dichloropropene31U140U1,1,2-Trichloroethane31U140U1,1,2-Trichloroethane31U290UDibromochloromethane31U270U1,2-Dibromoethane31U210U1,2-Dibromoethane31U210U1,1,1,2-Tetrachloroethane31U210UChlorobenzene31U140UEthylbenzene31U140UP+m-Xylene62U270UBromoform31U320UStyrene31U130U			Carbon tetrac	chloride	31	U	200 U	
Bromodichloromethane 31 U 210 UTrichloroethene 31 U 170 Ucis-1,3-Dichloropropene 31 U 140 U4-Methyl-2-pentanone 780 U 3200 Utrans-1,3-Dichloropropene 31 U 140 U1,1,2-Trichloroethane 31 U 170 UToluene 78 U 290 UDibromochloromethane 31 U 270 U1,2-Dibromoethane 31 U 210 U1,2-Dibromoethane 31 U 210 U1,1,2-Tetrachloroethane 31 U 210 UChlorobenzene 31 U 210 UFetrachloroethane 31 U 140 UFetrachloroethane 31 U 320 UStyrene 31 U 320 U			1,2-Dichloro	propane	31	U	140 U	
Irichloroethene 31 U 170 Ucis-1,3-Dichloropropene 31 U 140 U4-Methyl-2-pentanone 780 U 3200 Utrans-1,3-Dichloropropene 31 U 140 U1,1,2-Trichloroethane 31 U 170 UToluene 78 U 290 UDibromochloromethane 31 U 270 U1,2-Dibromoethane 31 U 240 UTetrachloroethane 31 U 210 U1,1,1,2-Tetrachloroethane 31 U 210 UChlorobenzene 31 U 140 UEthylbenzene 31 U 270 UBromoform 31 U 320 UStyrene 31 U 130 U			Bromodichlo	romethane	31	U	210 U	
cis-1,3-Dichloropropene31U140U4-Methyl-2-pentanone780U3200Utrans-1,3-Dichloropropene31U140U1,1,2-Trichloroethane31U170UToluene78U290UDibromochloromethane31U270U1,2-Dibromoethane31U240U1,2-Dibromoethane31U210U1,1,1,2-Tetrachloroethane31U210U1,1,1,2-Tetrachloroethane31U140UEthylbenzene31U140UP+m-Xylene62U270UBromoform31U320UStyrene31U130U			Trichloroethe	ene	31	U	170 U	
4-Methyl-2-pentanone 780 U 3200 Utrans-1,3-Dichloropropene 31 U 140 U1,1,2-Trichloroethane 31 U 170 UToluene 78 U 290 UDibromochloromethane 31 U 270 U1,2-Dibromoethane 31 U 240 UTetrachloroethane 31 U 210 U1,1,1,2-Tetrachloroethane 31 U 210 UChlorobenzene 31 U 140 UEthylbenzene 31 U 140 UP+m-Xylene 62 U 270 UBromoform 31 U 320 UStyrene 31 U 130 U			cis-1,3-Dichl	oropropene	31	U	140 U	
trans-1,3-Dichloropropene 31 U 140 U1,1,2-Trichloroethane 31 U 170 UToluene 78 U 290 UDibromochloromethane 31 U 270 U1,2-Dibromoethane 31 U 240 UTetrachloroethene 31 U 210 U1,1,1,2-Tetrachloroethane 31 U 210 UChlorobenzene 31 U 140 UEthylbenzene 31 U 140 Up+m-Xylene 62 U 270 UBromoform 31 U 320 UStyrene 31 U 130 U			4-Methyl-2-p	entanone	780	U	3200 U	
1,1,2-Trichloroethane 31 U 170 UToluene 78 U 290 UDibromochloromethane 31 U 270 U $1,2$ -Dibromoethane 31 U 240 UTetrachloroethane 31 U 210 U $1,1,1,2$ -Tetrachloroethane 31 U 210 UChlorobenzene 31 U 210 UEthylbenzene 31 U 140 UP+m-Xylene 62 U 270 UBromoform 31 U 320 UStyrene 31 U 130 U			trans-1,3-Dic	hloropropene	31	U	140 U	
Toluene 78 U 290 UDibromochloromethane 31 U 270 U1,2-Dibromoethane 31 U 240 UTetrachloroethene 31 U 210 U1,1,1,2-Tetrachloroethane 31 U 210 UChlorobenzene 31 U 140 UEthylbenzene 31 U 140 Up+m-Xylene 62 U 270 UBromoform 31 U 320 UStyrene 31 U 130 U			1,1,2-Trichlo	roethane	31	U	170 U	
Dibromochloromethane 31 U 270 U1,2-Dibromoethane 31 U 240 UTetrachloroethane 31 U 210 U1,1,1,2-Tetrachloroethane 31 U 210 UChlorobenzene 31 U 140 UEthylbenzene 31 U 140 Up+m-Xylene 62 U 270 UBromoform 31 U 320 UStyrene 31 U 130 U			Ioluene		78	U	290 U	
1,2-Dibromoethane 31 U 240 U Tetrachloroethene 31 U 210 U 1,1,1,2-Tetrachloroethane 31 U 210 U Chlorobenzene 31 U 140 U Ethylbenzene 31 U 140 U p+m-Xylene 62 U 270 U Bromoform 31 U 320 U Styrene 31 U 130 U			Dibromochic	romethane	31	U	2/0 U	
1 etrachloroethene 31 0 210 0 $1,1,1,2$ -Tetrachloroethane 31 U 210 UChlorobenzene 31 U 140 UEthylbenzene 31 U 140 Up+m-Xylene 62 U 270 UBromoform 31 U 320 UStyrene 31 U 130 U			1,2-Dibromo	ethane	31	U	240 U	
1,1,1,2-1etrachloroethane 31 0 210 0 Chlorobenzene 31 U 140 U Ethylbenzene 31 U 140 U $p+m-Xylene$ 62 U 270 U Bromoform 31 U 320 U Styrene 31 U 130 U			l etrachloroet	thene	31	U	210 U	
Chiorobenzene 31 U 140 U Ethylbenzene 31 U 140 U p+m-Xylene 62 U 270 U Bromoform 31 U 320 U Styrene 31 U 130 U			1,1,1,2-Tetra	chloroethane	31	U	210 U	
Environment 31 U 140 Up+m-Xylene 62 U 270 UBromoform 31 U 320 UStyrene 31 U 130 U			Chlorobenzer	ne	31	U	140 U	
p+m-Xylene 62 U 270 U Bromoform 31 U 320 U Styrene 31 U 130 U			Etnylbenzene	2	31		140 U	
Bromotorm 31 U 320 U Styrene 31 U 130 U			p+m-Xylene		62	U	2/0 U	
Styrene 31 U 130 U			Bromotorm	ed.	31	U	320 U	
			Styrene		31	U	130 U	



EA Engineering, Science & Technology Adelaide Ave. School MP-4 N/A SDG: N/A Soil Vapor

Lab Code: MA00030 ETR: 0708007 Lab ID: 0708007-02E Associated Blank: VA081307B14

			Sample	Final		
Date Collected	Date Received	Date Analyzed	Amount (ml)	Volume (ml)	Dilution Factor	Analyst
07/30/07	07/31/07	08/10/07	0.16	250	1562.5	APR
L	Parameter	I	Raw An	nount	Result	
			ppb	v	μg/m³	
	1,1,2,2-Tetra	chloroethane	31	U	210 U	
	o-Xylene		31	U	140 U	
	Isopropylbenzene) U	3800 U	
	1,3,5-Trimethylbenzene			U	150 U	
	1,2,4-Trimet	hylbenzene	31	U	150 U	
	1,3-Dichloro	benzene	31	U	190 U	
	1,4-Dichloro	benzene	31	U	190 U	
	sec-Butylben	zene	780) U	3800 U	
	p-Isopropylto	oluene	780) U	4300 U	
	1,2-Dichloro	benzene	31	U	190 U	
	n-Butylbenze	ene	780) U	4300 U	

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



EA Engineering, Science & Technology Adelaide Ave. School MP-6 N/A SDG: N/A Soil Vapor

Lab Code: MA00030 ETR: 0708007 Lab ID: 0708007-03 Associated Blank: VA081307B14

			Sample	Final		
Date Collected	Date Received	Date Analyzed	Amount (ml)	Volume (ml)	Dilution Factor	Analyst
07/30/07	07/31/07	08/10/07	50	250	5	APR
	Parameter		Raw Amount		Result	
			ppb	v	µg/m³	
	Dichlorodifly	oromethane	0.46	5	2.2	
	Chlorometha	ne	2.5	U	5.2 U	
	Vinvl chlorid	le	0.10	<u> </u>	0.26 U	
	Chloroethane	3	0.10) U	0.26 U	
	Acetone			0 E	2700 E	
	Trichlorofluoromethane)	1.7	
	Acrylonitrile			U	5.4 U	
	1,1-Dichloroethene) U	0.40 U	
	Methylene chloride			U	14 U	
	trans-1,2-Dichloroethene) U	0.40 U	
	1,1-Dichloro	ethane	0.10) U	0.40 U	
	MTBE		0.10) U	0.36 U	
	2-Butanone		380	0 E	11000 E	
	cis-1,2-Dichloroethene) U	0.40 U	
	Chloroform		0.10) U	0.49 U	
	1,2-Dichloro	ethane	0.10) U	0.40 U	
	1,1,1-Trichlo	roethane	0.10) U	0.55 U	
	Benzene		0.23	3	0.75	
	Carbon tetrac	chloride	0.10) U	0.63 U	
	1,2-Dichloro	propane	0.10) U	0.46 U	
	Bromodichlo	romethane	0.10) U	0.67 U	
	Trichloroethe	ene	0.10) U	0.54 U	
	cis-1,3-Dichl	oropropene	0.10) U	0.45 U	
	4-Methyl-2-r	pentanone	2.5	U	10 U	
	trans-1,3-Dic	hloropropene	0.10) U	0.45 U	
	1,1,2-Trichlo	roethane	0.10) U	0.55 U	
	Toluene		1.3		4.9	
	Dibromochle	oromethane	0.10) U	0.85 U	
	1,2-Dibromoethane Tetrachloroethene 1,1,1,2-Tetrachloroethane		0.10) U	0.77 U	
			0.15	5	1.0	
			0.10) U	0.69 U	
	Chlorobenze	ne	0.10) U	0.46 U	
	Ethylbenzene)	0.23	8	1.0	
	p+m-Xylene		0.64	ļ 	2.8	
	Bromoform		0.10) U	1.0 U	
	Styrene		0.11		0.47	



EA Engineering, Science & Technology Adelaide Ave. School : MP-6 N/A SDG: N/A Soil Vapor

Lab Code: MA00030 ETR: 0708007 Lab ID: 0708007-03 Associated Blank: VA081307B14

			Sample	Final		
Date Collected	Date Received	Date Analyzed	Amount (ml)	Volume (ml)	Dilution Factor	Analyst
07/30/07	07/31/07	08/10/07	50	250	5	APR
Parameter			Raw An	nount	Result	
			ppb	v	μg/m³	
	1,1,2,2-Tetrachloroethane			0 U	0.69 U	
	o-Xylene			3	1.0	
	Isopropylbenzene		2.5	U	12 U	
	1,3,5-Trimet	hylbenzene	0.1	8	0.88	
	1,2,4-Trimet	hylbenzene	0.32	2	1.6	
	1,3-Dichloro	benzene	0.1) U	0.60 U	
	1,4-Dichloro	benzene	0.5	1	3.1	
	sec-Butylben	zene	2.5	U	12 U	
	p-Isopropyltoluene 1,2-Dichlorobenzene		2.5	U	14 U	
			0.1) U	0.60 U	
	n-Butylbenze	ene	2.5	U	14 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.



Matrix:

EA Engineering, Science & Technology Adelaide Ave. School MP-6 N/A SDG: N/A Soil Vapor

Lab Code: MA00030 ETR: 0708007 Lab ID: 0708007-03E Associated Blank: VA081307B14

			Sample	Final		
Date Collected	Date Received	Date Analyzed	Amount (ml)	Volume (ml)	Dilution Factor	Analyst
07/30/07	07/31/07	08/10/07	1.25	250	200	APR
	Parameter	1	Raw Am	ount	Result	L
			ppby	7	μg/m³	
	Dichlorodifl	uoromethane	4.0	U	20 U	
	Chlorometha	ine	100	U	210 U	
	Vinyl chlorid	le	4.0	U	10 U	
	Chloroethan	9	4.0	U	11 U	
	Acetone	· · · · · · · · · · · · · · · · · · ·	1300)	3100	
	Trichlorofluc	oromethane	4.0	U	22 U	
	Acrylonitrile		100	U	220 U	
	1,1-Dichloro	ethene	4.0	U	16 U	
	Methylene cl	hloride	160	U	560 U	
	trans-1,2-Dic	chloroethene	4.0	U	16 U	
	1,1-Dichloro	ethane	4.0	U	16 U	
	MTBE		4.0	U	14 U	
	2-Butanone		4400)	13000	
	cis-1,2-Dichl	loroethene	4.0	U	16 U	
	Chloroform		4.0	U	20 U	
	1,2-Dichloro	ethane	4.0	U	16 U	
	1,1,1-Trichle	oroethane	4.0	U	22 U	
	Benzene		8.0	U	26 U	
	Carbon tetrac	chloride	4.0	U	25 U	
	1,2-Dichloro	propane	4.0	U	18 U	
	Bromodichlo	oromethane	4.0	U	27 U	
	Trichloroethe	ene	4.0	U	22 U	
	cis-1,3-Dichl	oropropene	4.0	U	18 U	
	4-Methyl-2-p	pentanone	100	U	410 U	
	trans-1,3-Dic	hloropropene	4.0	U	18 U	
	1,1,2-Trichlo	oroethane	4.0	U	22 U	
	Toluene		10	U	38 U	
	Dibromochlo	oromethane	4.0	U	34 U	
	1,2-Dibromo	ethane	4.0	U	31 U	
	Tetrachloroe	thene	4.0	U	27 U	
	1,1,1,2-Tetra	chloroethane	4.0	U	27 U	
	Chlorobenzer	ne	4.0	U	18 U	
	Ethylbenzene	9	4.0	U	17 U	
	p+m-Xylene		8.0	U	35 U	
	Bromoform		4.0	U	41 U	
	Styrene		4.0	U	17 U	



Matrix:

EA Engineering, Science & Technology Adelaide Ave. School MP-6 N/A SDG: N/A Soil Vapor

Lab Code: MA00030 ETR: 0708007 Lab ID: 0708007-03E Associated Blank: VA081307B14

Date Collected	Date Received	Date Analyzed	Sample	Final Volume (ml)	Dilut	ion Factor	Analyst
07/30/07	07/31/07	08/10/07	1.25	250	200		APR
	Parameter	I	Raw Ar ppb	nount v	Result µg/m³	t ;	
	1,1,2,2-Tetra	chloroethane	4.0	U U	27	U	
	o-Xylene		4.() U	17	U	
	Isopropylber	izene	10) U	490	U	
	1,3,5-Trimet	hylbenzene	4.() U	20	U	
	1,2,4-Trimet	hylbenzene	4.() U	20	U	
	1,3-Dichloro	benzene	4.() U	24	U	
	1,4-Dichloro	benzene	4.() U	24	U	
	sec-Butylbenzene p-Isopropyltoluene) U	490	U	
) <u>U</u>	550	U	
	1,2-Dichloro	benzene	4.() U	24	U	
	n-Butylbenze	ene	10) U	550	U	

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



EA Engineering, Science & Technology Adelaide Ave. School : MP-1 N/A SDG: N/A Soil Vapor

Lab Code: MA00030 ETR: 0708007 Lab ID: 0708007-04 Associated Blank: VA081307B14

			Sample	Final		
Date Collected	Date Received	Date Analyzed	Amount (ml)	Volume (ml)	Dilution Factor	Analyst
07/30/07	07/31/07	08/10/07	50	250	5	APR
	Parameter	<u>ا</u> ــــــــــــــــــــــــــــــــــــ	Raw Am	ount	Result	
			ррЪу	,	μg/m³	
	Dichlorodifluoromethane		0.48		2.4	
	Chlorometha	ine	2.5	U	5.2 U	
	Vinyl chlorid	le	0.10	U	0.26 U	
	Chloroethane	9	0.10	U	0.26 U	
	Acetone	· · · · · · · · · · · · · · · · · · ·	170	Е	410 E	
	Trichlorofluc	oromethane	0.31		1.7	
	Acrylonitrile		2.5	U	5.4 U	
	1,1-Dichloro	ethene	0.10	U	0.40 U	
	Methylene cl	hloride	4.0	U	14 U	
	trans-1,2-Dic	chloroethene	0.10	U	0.40 U	
	1,1-Dichloro	ethane	0.10	U	0.40 U	
	MTBE		0.10	U	0.36 U	
	2-Butanone	2-Butanone		E	5800 E	
	cis-1,2-Dichl	cis-1,2-Dichloroethene		U	0.40 U	
	Chloroform		0.10	U	0.49 U	
	1,2-Dichloro	ethane	0.10	U	0.40 U	
	1,1,1-Trichlo	roethane	0.10	U	0.55 U	
	Benzene		0.21		0.67	
	Carbon tetrac	chloride	0.10	U	0.63 U	
	1,2-Dichloro	propane	0.10	U	0.46 U	
	Bromodichlo	romethane	0.10	U	0.67 U	
	Trichloroethe	ene	0.10	U	0.54 U	
	cis-1,3-Dichl	oropropene	0.10	U	0.45 U	
	4-Methyl-2-p	entanone	2.5	U	10 U	
	trans-1,3-Dic	hloropropene	0.10	U	0.45 U	
	1,1,2-Trichlo	roethane	0.10	U	0.55 U	
	Toluene		1.4		5.3	
	Dibromochlo	romethane	0.10	U	0.85 U	
	1,2-Dibromo	ethane	0.10	U	0.77 U	
	Tetrachloroet	hene	0.12		0.81	
	1,1,1,2-Tetra	chloroethane	0.10	U	0.69 U	
	Chlorobenzer	ne	0.10	U	0.46 U	
	Ethylbenzene	}	0.20		0.87	
	p+m-Xylene		0.54		2.3	
	Bromoform		0.10	U	1.0 U	
	Styrene		0.11		0.47	



EA Engineering, Science & Technology Adelaide Ave. School MP-1 N/A SDG: N/A Soil Vapor

Lab Code: MA00030 ETR: 0708007 Lab ID: 0708007-04 Associated Blank: VA081307B14

			Sample	Final		
Date Collected	Date Received	Date Analyzed	Amount (ml)	Volume (ml)	Dilution Factor	Analyst
07/30/07	07/31/07	08/10/07	50	250	5	APR
Parameter			Raw Ar	nount	Result	
			ppb	v	µg/m³	
	1,1,2,2-Tetrachloroethane			0 U	0.69 U	
	o-Xylene			8	0.80	
	Isopropylbenzene			5 U	12 U	
	1,3,5-Trimet	hylbenzene	0.1	5	0.74	
	1,2,4-Trimet	hylbenzene	0.3	1	1.5	
	1,3-Dichloro	benzene	0.1	0 U	0.60 U	
	1,4-Dichloro	benzene	0.6	2	3.8	
	sec-Butylber	izene	2.5	5 U	12 U	
	p-Isopropyltoluene			5 U	14 U	
	1,2-Dichloro	benzene	0.1	0 U	0.60 U	
	n-Butylbenze	ene	2.5	5 U	14 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.



Matrix:

EA Engineering, Science & Technology Adelaide Ave. School MP-1 N/A SDG: N/A Soil Vapor

Lab Code: MA00030 ETR: 0708007 Lab ID: 0708007-04E Associated Blank: VA081307B14

		Sample	Final			
Date Received	Date Analyzed	Amount (ml)	Volume (ml)	Dilution Factor	Analyst	
07/31/07	08/10/07	1.56	250	160	APR	
Parameter		Raw Am	ount	Result	······································	
		ppby	v	μg/m³		
Dichlorodifl	oromethane	3.2	U	16 U		
Chlorometha	ne	80		160 U		
Vinvl chlorid	le	3.2	Ū	8.2 U		
Chloroethane	;	3.2	U	8.4 U		
Acetone		160	*****	390		
Trichlorofluc	oromethane	3.2	U	18 U		
Acrylonitrile		80	U	170 U		
1,1-Dichloro	ethene	3.2	U	13 U		
Methylene cl	nloride	130	U	440 U		
trans-1,2-Dic	hloroethene	3.2	U	13 U		
1,1-Dichloro	ethane	3.2	U	13 U		
MTBE		3.2	U	12 U		
2-Butanone		1700)	4900		
cis-1,2-Dichloroethene			U	13 U		
Chloroform		3.2	U	16 U		
1,2-Dichloro	ethane	3.2	U	13 U		
1,1,1-Trichlo	roethane	3.2	U	18 U		
Benzene		6.4	<u> </u>	20 U		
Carbon tetrac	chloride	3.2	<u> </u>	20 U		
1,2-Dichloro	propane	3.2	U	15 U		
Bromodichlo	romethane	3.2	U	21 U		
Trichloroethe	ene	3.2	U	17 U		
cis-1,3-Dichl	oropropene	3.2	U	14 U		
4-Methyl-2-p	bentanone	80	<u>U</u>	330 U		
trans-1,3-Dic	hloropropene	3.2	<u> </u>	14 U		
1,1,2-Trichlo	roethane	3.2	U	18 U		
Toluene	<u> </u>	8.0	<u> </u>	<u>30 U</u>		
Dibromochlo	oromethane	3.2	<u> </u>	<u>27 U</u>		
1,2-Dibromoethane		3.2	<u> </u>	<u>25 U</u>		
Tetrachloroe	thene	3.2	<u> </u>	<u>22 U</u>		
1,1,1,2-Tetrachloroethane		3.2	U	22 U		
Chlorobenzer	ne	3.2	U	15 U		
Ethylbenzene	e	3.2	U	14 U		
p+m-Xylene		6.4	U	28 U		
Bromoform		3.2	<u> </u>	33 U		
Styrene		3.2	U	14 U		
	Date Received 07/31/07 Parameter Dichlorodifh Chlorometha Vinyl chlorid Chloroethan Acetone Trichlorofhud Acrylonitrile 1,1-Dichloro Methylene cl trans-1,2-Dic 1,1-Dichloro MTBE 2-Butanone cis-1,2-Dichloro 1,2-Dichloro 1,2-Dichloro 1,2-Dichloro 1,2-Dichloro Bromodichlo Trichloroetha cis-1,3-Dichl 4-Methyl-2-F trans-1,3-Dichl 4-Methyl-2-F trans-1,3-Dichl 1,2-Dibromo Toluene Dibromochlo 1,2-Dibromo Tetrachloroetha Chlorobenzer Ethylbenzena p+m-Xylene Bromoform	Date ReceivedDate Analyzed07/31/0708/10/07ParameterDichlorodifluoromethaneChloromethaneVinyl chlorideChloromethaneChloroethaneAcetoneTrichlorofluoromethaneAcetoneTrichlorofluoromethaneAcetoneTrichlorofluoromethaneAcetoneIntricklorofluoromethaneAcetoneIntricklorofluoromethaneAcrylonitrile1,1-Dichloroethene1,1-DichloroetheneIntrickloroethene1,1-DichloroethaneIntrickloroethene1,1-DichloroethaneIntrickloroethane1,1-DichloroethaneIntrickloroethane1,1-DichloroethaneIntrickloroethane1,1,2-DichloroethaneIntrickloroethane1,1,1-TrichloroethaneIntrickloroethane1,2-DichloropropaneBromodichloromethaneTrichloroetheneIntrickloroethaneTrichloroetheneIntrickloroethane1,1,2-TrichloroethaneIntrickloroethane1,2-DibromoethaneIntrickloroethane1,1,2-TrichloroethaneIntrickloroethane1,2-DibromoethaneIntrickloroethane1,1,2-TetrachloroethaneIntrickloroethane1,1,1,2-TetrachloroethaneIntrickloroethane1,1,1,2-TetrachloroethaneIntrickloroethane1,1,1,2-TetrachloroethaneIntrickloroethaneI,1,1,2-TetrachloroethaneIntrickloroethaneI,1,1,2-TetrachloroethaneIntrickloroethaneI,1,1,2-TetrachloroethaneIntrickloroethaneI,1,1,2-TetrachloroethaneInt	Date ReceivedDate AnalyzedSample Amount (ml)07/31/0708/10/071.56ParameterRaw Am ppbyDichlorodifluoromethane3.2Chloromethane80Vinyl chloride3.2Chloroethane3.2Acetone160Trichlorofluoromethane3.2Acetone160Trichlorofluoromethane3.2Acrylonitrile801,1-Dichloroethene3.2Methylene chloride130trans-1,2-Dichloroethene3.2Z-Butanone1700cis-1,2-Dichloroethene3.21,1-Dichloroethane3.2Chloroform3.22-Butanone1700cis-1,2-Dichloroethane3.21,2-Dichloroethane3.21,2-Dichloroethane3.21,2-Dichloroethane3.21,2-Dichloroethane3.21,2-Dichloroethane3.21,2-Dichloroethane3.21,2-Dichloroethane3.21,2-Dichloropropane3.2Trichloroethane3.2Trichloroethane3.2Trichloroethane3.2Trichloroethane3.2Trichloroethane3.2Trichloroethane3.2Trichloroethane3.2Trichloroethane3.2Trichloroethane3.2Trichloroethane3.2Trichloroethane3.2Trichloroethane3.2Toluene80Tetrachloroethane3.2Tetra	Date ReceivedDate AnalyzedSample Amount (ml)Final Volume (ml) $07/31/07$ $08/10/07$ 1.56 250 ParameterRaw AmountppbvDichlorodifluoromethane 3.2 UChloromethane 3.2 UChloromethane 3.2 UChloromethane 3.2 UAcetone 160 Trichlorofluoromethane 3.2 UAcetone 160 Trichlorofluoromethane 3.2 UAcetone 160 Trichlorofluoromethane 3.2 UAcetone 160 Trichlorofluoromethane 3.2 UAcetone 160 U $1,1$ -Dichloroethene 3.2 U $1,1$ -Dichloroethene 3.2 U $1,1$ -Dichloroethene 3.2 U $1,1$ -Dichloroethene 3.2 U 2 -Butanone 1700 cis-1,2-Dichloroethene 3.2 UU 2 -Butanone 1700 cis-1,2-Dichloroethane 3.2 U $1,2$ -Dichloroethane 3.2 U $1,2$ -Dichloropropane 3.2 U $1,2$ -Dichloropropane 3.2 U $1,2$ -Dichloropropane 3.2 U $1,2$ -Dichloropropene 3.2 U $1,2$ -Dichloropropene 3.2 U $1,1,2$ -Trichloroethane 3.2 U $1,1,2$ -Trichloroethane 3.2 U $1,1,2$ -Trichloroethane 3.2 U $1,2$ -Dibindoropropene 3.2	Date Received Date AnalyzedDate Analyzed Amount (ml)Final Volume (ml)Dilution Factor $07/31/07$ 08/10/071.56250160ParameterRaw Amount ppbvResult µg/m³Dichlorodifluoromethane3.2U16Chloromethane3.2U16Othorodifluoromethane3.2U8.4Chlorodethane3.2U8.4UChlorodthane3.2U8.4UAcctione1060390Trichlorofhuoromethane3.2U13UAcctione10.030U13UTrichloroethane3.2U13UTrichloroethane3.2U13UTrichloroethane3.2U13UTrichloroethane3.2U13UTrichloroethane3.2U13U <th col<="" td=""></th>	



EA Engineering, Science & Technology Adelaide Ave. School MP-1 N/A SDG: N/A Soil Vapor

Lab Code: MA00030 ETR: 0708007 Lab ID: 0708007-04E Associated Blank: VA081307B14

			Sample	Final			
Date Collected	Date Received	Date Analyzed	Amount (ml)	Volume (ml)	Dilutio	on Factor	Analyst
07/30/07	07/31/07	08/10/07	1.56	250	160		APR
Parameter			Raw An	nount	Result		
			ppb	v	µg/m³		
	1,1,2,2-Tetra	chloroethane	3.2	U U	22	U	
	o-Xylene			2 U	14	U	
	Isopropylber	izene	80	U	390	U	
	1,3,5-Trimet	hylbenzene	3.2	U	16	U	
	1,2,4-Trimet	hylbenzene	3.2	2 U	16	U	
	1,3-Dichloro	benzene	3.2	U	19	U	
	1,4-Dichloro	benzene	3.2	U U	19	U	
	sec-Butylbenzene p-Isopropyltoluene			U	390	U	
				U	440	U	
	1,2-Dichlorobenzene		3.2	U U	19	U	
	n-Butylbenze	ene	80	U	440	U	

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

08/15/07 10:00



EA Engineering, Science & Technology Adelaide Ave. School

Client ID: Blank N/A

SDG: N/A Lab Code: MA00030 ETR: 0708007 Lab ID: VA081307B14 Associated Blank: N/A

11/21	•
Soil	Vapor

Matrix:

		(****	Sample	Final		
Date Collected	Date Received	Date Analyzed	Amount (ml)	Volume (ml)	Dilution Factor	Analyst
N/A	N/A	08/10/07	250	250	1	APR
	Parameter		Raw An	ount	Result	
			ppb	V	μg/m³	
	Dichlorodifluoromethane			U	0.10 U	
	Chlorometha	ne	0.50	U	1.0 U	
	Vinyl chloride		0.02	U	0.05 U	
	Chloroethane)	0.02	U	0.05 U	
	Acetone		2.0	U	4.8 U	
	Trichlorofluc	oromethane	0.02	U	0.11 U	
	Acrylonitrile		0.50	U	1.1 U	
	1,1-Dichloro	ethene	0.02	U	0.08 U	
	Methylene cl	nloride	0.80	U	2.8 U	
	trans-1,2-Dic	hloroethene	0.02	U	0.08 U	
	1,1-Dichloro	ethane	0.02	U	0.08 U	
	MTBE		0.02	U	0.07 U	
	2-Butanone		0.50	U	1.5 U	
	cis-1,2-Dichl	oroethene	0.02	U	0.08 U	
	Chloroform	and the second sec	0.02	U	0.10 U	
	1,2-Dichloro	ethane	0.02	U	0.08 U	
	1,1,1-Trichlo	roethane	0.02	U	0.11 U	
	Benzene		0.04	U	0.13 U	
	Carbon tetrac	hloride	0.02	U	0.13 U	
	1,2-Dichlorop	propane	0.02	U	0.09 U	
	Bromodichlo	romethane	0.02	U	0.13 U	
	Trichloroethe	ene	0.02	U	0.11 U	
	cis-1,3-Dichle	oropropene	0.02	U	0.09 U	
	4-Methyl-2-p	entanone	0.50	U	2.0 U	
	trans-1,3-Dic	hloropropene	0.02	U	0.09 U	
	1,1,2-Trichlo	roethane	0.02	U	0.11 U	
	Toluene		0.05	U	0.19 U	
	Dibromochlo	romethane	0.02	U	0.17 U	
	1,2-Dibromo	ethane	0.02	U	0.15 U	
	Tetrachloroet	hene	0.02	U	0.14 U	
	1,1,1,2-Tetrac	chloroethane	0.02	U	0.14 U	
	Chlorobenzer	ne	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	

N/A



EA Engineering, Science & Technology Adelaide Ave. School

SDG:

Lab Code: MA00030 ETR: 0708007 Lab ID: VA081307B14 Associated Blank: N/A

^sCase: N/A Matrix: Soil Vapor

Blank

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	08/10/07	250	250	1	APR
Parameter			Raw An	nount	Result	
			ppb	v	μg/m³	
	1,1,2,2-Tetrachloroethane			2 U	0.14 U	
	o-Xylene			2 U	0.09 U	
	Isopropylber	izene	0.5	0 U	2.5 U	
	1,3,5-Trimet	hylbenzene	0.0	2 U	0.10 U	
	1,2,4-Trimet	hylbenzene	0.02	2 U	0.10 U	
	1,3-Dichloro	benzene	0.02	2 U	0.12 U	
	1,4-Dichloro	benzene	0.0	2 U	0.12 U	
	sec-Butylbenzene) U	2.5 U	
	p-Isopropyltoluene 1,2-Dichlorobenzene		0.5	U (2.7 U	
			0.02	2 U	0.12 U	
	n-Butylbenze	ene	0.5	U U	2.7 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



EA Engineering, Science & Technology Adelaide Ave. School Laboratory Control Sample N/A SDG: N/A Soil Vapor Lab Code: MA00030 ETR: 0708007 Lab ID: See Below Associated Blank: VA081307B14 Concentration Units: µg/m³

Date Collected	Date Received N/A	Date Analyzed 08/10/07	Sample Amount (ml) 250	Final Volume (ml) 250	Dilution Factor	Analyst APR
		VA0813	07 B 14	VA0	81307LCS04	
		Blan	k		LCS	% Recovery
Parameter		Con	с.	Conc.	% Recovery	Limits
Dichlorodifluorom	ethane	0.10) U	22	90	70-130

Dicinorounidance	0.10	0		20	10 100
Chloromethane	1.0	U	8.3	80	70-130
Vinyl chloride	0.05	U	10	81	70-130
Chloroethane	0.05	U	11	82	70-130
Acetone	4.8	U	9.2	77	70-130
Trichlorofluoromethane	0.11	U	23	81	70-130
Acrylonitrile	1.1	U	10	92	70-130
1,1-Dichloroethene	0.08	U	15	77	70-130
Methylene chloride	2.8	U	13	73	70-130
trans-1,2-Dichloroethene	0.08	U	15	74	70-130
1,1-Dichloroethane	0.08	U	16	80	70-130
MTBE	0.07	U	14	77	70-130
2-Butanone	1.5	U	12	85	70-130
cis-1,2-Dichloroethene	0.08	U	16	82	70-130
Chloroform	0.10	U	21	85	70-130
1,2-Dichloroethane	0.08	U	17	82	70-130
1,1,1-Trichloroethane	0.11	U	25	91	70-130
Benzene	0.13	U	12	76	70-130
Carbon tetrachloride	0.13	U	27	85	70-130
1,2-Dichloropropane	0.09	U	20	85	70-130
Bromodichloromethane	0.13	U	28	84	70-130
Trichloroethene	0.11	U	21	79	70-130
cis-1,3-Dichloropropene	0.09	U	21	93	70-130
4-Methyl-2-pentanone	2.0	U	16	77	70-130
trans-1,3-Dichloropropene	0.09	U	19	84	70-130
1,1,2-Trichloroethane	0.11	U	23	86	70-130
Toluene	0.19	U	14	77	70-130
Dibromochloromethane	0.17	U	36	86	70-130
1,2-Dibromoethane	0.15	U	32	83	70-130
Tetrachloroethene	0.14	U	26	76	70-130
1,1,1,2-Tetrachloroethane	0.14	U	30	86	70-130
Chlorobenzene	0.09	U	18	80	70-130
Ethylbenzene	0.09	U	18	84	70-130

Laboratory Control Summary Volatile Organics by TO-15



Matrix:

EA Engineering, Science & Technology Adelaide Ave. School Laboratory Control Sample N/A SDG: N/A Soil Vapor Lab Code: MA00030 ETR: 0708007 Lab ID: See Below Associated Blank: VA081307B14 Concentration Units: µg/m³

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml) Dilution Factor Anal				
N/A	N/A	08/10/07	250	250	1			
		VA0813	07 B 14	VA0	81307LCS04			
		Blan	k		LCS	% Recovery		
Parameter		Con	с.	Conc.	% Recovery	Limits		
p+m-Xylene		0.17	' U	37	85	70-130		
Bromoform		0.21	U	47	92	70-130		
Styrene		0.09) U	18	82	70-130		
1,1,2,2-Tetrachloro	oethane	0.14	U	28	81	70-130		
o-Xylene		0.09	U U	18	85	70-130		
Isopropylbenzene		2.5	U	22	90	70-130		
1,3,5-Trimethylben	izene	0.10) U	22	91	70-130		
1,2,4-Trimethylben	izene	0.10) U	24	98	70-130		
1,3-Dichlorobenzer	ne	0.12	2 U	26	87	70-130		
1,4-Dichlorobenzer	ne	0.12	2 U	26	85	70-130		
sec-Butylbenzene		2.5	U	23	95	70-130		
p-Isopropyltoluene		2.7	U	24	88	70-130		
1,2-Dichlorobenzer	ne	0.12	U	25	84	70-130		
n-Butylbenzene	······································	2.7	U	22	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. 08/15/07 09:56

АLРНА Job#: 0708007	Billing Information	Same as Client info PO #:			Regulatory Requirements/Report Limits	State/Fed Program Criteria	I Draff Kroposed Resummed	Tarage UNK COMPOUNDS	ANALYSIS		O-LO SULFICESWELCYEL CASES CASES CASES	12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	<i>・</i> 花/ <i>芯/芯/芯</i> /Sample Comments (i.e. PID)	PID= 3PPM	M22 = 88 ppm	PID= 1.8 PDM	ped = 0.44 pp.M				Please print clearly, legibly and completely. Samples can not be forored in and turneround time	te/Time: clock will not start until any ambiguities are resolved. All	to 13:00 samples submitted are subject to	reverse slide.
Date Rec'd in Lab:	Report Information - Data Deliverables	C FAX	MADEX Criteria Checker Lient Prol. Sach	(Default based on Regulatory Criteria Indicated)	Other Formats:	Additional Deliverables:	Report to: (if different than Project Manager)				WIS V	Sampler's ID ID-Flow 0, 15, 15, 15, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10	Initials Can controller / ビ/ ビ/ デ/ ダ/ ら/	PMG 454 0074	1 419 0271 1	526 0252	V 510 0030 V				Container Type	Part Contract By:	taul cullet 7/3/07	Charter and the start of
ALYSIS PAGE 1 OF 1	Project Information	Project Name: Adelande Ave Short	Project Location: Providence, R.C.	Project #: 6196501.1065	Project Manager: Ater Grivers	ALPHA Quote #:	Turn-Around Time		No bars No bars To-13: 10 bars	Date Due: Time:	ens:	Collection	Date Start Time End Time Matrix	7-30-07 1225 1258 SV	1250 1322 1	1315 1345	V 1335 140 V				Use Only	Relinquished By: Date/Time	11.1 1.15 1.102 1.105	A talett
AIRAN		TEL: 508-898-9220 FAX: 508-898-9193	Client Information	Client: EA ENGINELVING	Address: 2350 Post RU	Warwick, RT 02884	Phone: 736-3448	Fax: 737-3243	Email parivers evertico	These structures have been previously analyzed by Alpha		ALPHA Lab ID A Skirtss Oster Sample ID		-1 MP-7	-2 MP-4	-3 MP-6	-4 MP-1			P	Shaded Gray Areas For Lab	4		Form No: 01-03 (rev. 28-NOV-06)

Sample Receipt Checklist

		Page 1 of					
Client: EAENG	Receipt Date:	7/31/07					
Project: ADELAIDE Ave School	Log-in Date:	8/1/07					
ETR #: 0708007	Inspection by: U	Login/by: U					
ALL SECTIONS BELOW MUST BE COMPLI	ETED	Comments / Notes					
Were samples shipped? Yes, FedEx / UPS / Other:		AIR					
No, WHG Courier pick-up U Hand	delivered	Sample storage refrigerator #:					
Is bill of lading retained? Yes, Tracking #:	S	Sample storage freezer #:					
No, Unavailable / (NA)							
Number of coolers received for this project delivery:							
Indicate cooler temperature upon opening (if multiple coolers, record	all temps):	Cooler 2: Cooler 3:					
<u>Note:</u> If <u>all</u> coolers are 2-6°C, use one checklist, if NOT, use separat <u>all</u> samples received <i>above</i> 6°C.	e checklists and note	Cooler 4: Cooler 5:					
Cooler 1: Temperature(s) taken from: IR Gun, Temp. Black	ank, / (NA)	Cooler 6: Cooler 7:					
Were samples received on ice? Ves / No	N N	More:					
Chain of Custody present?							
Complete?		· · · ·					
Custody seals present on Cooler? Yes / No							
on Bottles? Yes / (No)							
Intact? Yes / No / A <u>Note</u> : Affix custody seals to back of this page.							
Were sample containers intact? Yes / No	If No, list samples: \rightarrow						
Did VOA/VPH waters contain headspace (>5mm)? Yes / No / NA)	f Yes, list samples: \rightarrow						
Were 5035 VOA soils, or VPH soils, <i>covered</i> with MeOH? Yes	/ No / NA If No, list samples: \rightarrow						
Was a sufficient amount of sample received for each test indicated or Yes / No	the COC? If No, list samples: \rightarrow						
If chemical preservation is appropriate - Were samples field preserved? Yes / No /		Chemical preservation OK for ALL samples?					
\Box C=HCl \Box M=MeOH \Box S=H ₂ SO4		Ver / No / N/A					
H=NaOH N=HNO3 Other: U= Unk	nown	f No. list samples below:					
Preservation (pH) verified at lab for EVERY bottle? (Not: VOA / VP.	H / Sulfide)						
YES: <2 or >12 (CN) or NO If No, why?:							
Were samples received within hold time? (Yes / No If	No, list samples: →						
Discrepancy between samples rec'd & COC? Yes /(No) If	Yes, list samples: \rightarrow						
Was the Project Manager notified of any other problems? Yes /	No/ NA						
Project Manager Acknowledgement: Date:	8/1107 F	Please use back for any additional notes!					

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Alpha Woods Hole Labs Raynham, Massachusetts

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 <u>Certificate/Lab ID</u>: MA0030 - Wastewater (<u>General Chemistry</u>: EPA 120.1/ SM2510B, 160.1/SM2540C, 160.2/SM2540D, 300.0, 310.1/SM2320B, 335.2, 365.2; <u>Metals</u>: EPA 245.1; <u>Organics</u>: 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 <u>Certificate/Lab ID</u>: 2206 - Secondary NELAP Accreditation. Wastewater (<u>General Chemistry</u>: 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; <u>Metals</u>: 200.8, 245.4; <u>Organics</u>: 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 <u>Certificate/Lab ID</u>: 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