



EA Engineering, Science, and Technology, Inc.

Airport Professional Park
2350 Post Road
Warwick, Rhode Island 02886
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22 December 2008

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

RE: October 2008 Air Sampling Event Comment Letter
Adelaide Avenue School, 333 Adelaide Avenue, Providence, Rhode Island
Case No. 2005-029
EA Project No. 14613.01

Dear Mr. Martella:

On behalf of the City of Providence Department of Public Schools, EA Engineering, Science, and Technology, Inc. (EA) is providing this summary of data collected at the referenced Adelaide Avenue School site (the Site) on 27 October and 12 November 2008.

In accordance with the Order of Approval and amendments (Amended OA) for this Site, your Office was notified via telephone that one compound, 1,2-Dichloroethane, was detected within a sample collected from the Cafeteria (Figure 1) at a concentration that exceeds the State of Connecticut's draft, proposed, Indoor Residential Targeted Air Concentrations ($0.150 \mu\text{g}/\text{m}^3$ vs. standard of $0.07 \mu\text{g}/\text{m}^3$).

Upon receipt of this detection, EA referenced analytical results of subslab vapor sampling, which was conducted concurrently with the indoor air sampling. Analytical results indicate 1,2-Dichloroethane was detected in subslab sampling location IMP-3 (Figure 2), located within the staff break room. However, subslab sampling points IMP-1 and MP-1, both located closer to the Cafeteria than IMP-3, did not contain 1,2-Dichloroethane at concentrations exceeding laboratory detection limits. This implies that the compound is not present within the subsurface in the area of the Cafeteria.

As the compound was detected in the subsurface, and laboratory error was not evident, EA performed supplementary indoor air and subslab vapor sampling at the Site on 12 November 2008. Analytical results indicate 1,2-Dichloroethane was not detected above laboratory detection limits.

To summarize, 1,2-Dichloroethane was detected within the Cafeteria during October 2008 indoor air sampling conducted at the Adelaide Avenue High School. Resampling and analysis of the Cafeteria and subslab sampling point MP-2, located directly beneath the Cafeteria, indicates the compound was not present and is therefore not persistent. Therefore, it appears the detection may be anomalous, and is not attributable to subslab vapor intrusion. Therefore, the SSD System continues to operate effectively in accordance with design, and demonstrates that soil vapor



intrusion is not occurring within the Adelaide Avenue School. Copies of the Indoor Air Laboratory Analytical Report and the Subslab Vapor Analytical Report are provided in Attachment A and B, respectively. A copy of the Laboratory Analytical Report for the resampling of the indoor air and subslab vapor is provided as Attachment C.

No SSD System modifications or other actions to address current site conditions are warranted or proposed at this time. The next monthly air sampling event for the school will be conducted in December 2008. If you have any questions or require additional information, please contact me at 401-736-3440, Ext. 202.

Sincerely,

EA ENGINEERING, SCIENCE,
AND TECHNOLOGY, INC.

Mark K. Speer, P.E.
Senior Engineer

MKS/rgm

Figures

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

Attachments

- Attachment A: Indoor Air Analytical Report, 7 November 2008
Attachment B: Subslab Vapor Analytical Report, 7 November 2008
Attachment C: Resampling Analytical Report, 20 November 2008

- cc: M. Dunham, Prov. Dept. of Public Schools
S. Rapport, City of Prov. Law Department
J. Fernandez, City of Prov. Law Department
J. Boehnert, Partridge, Snow, & Hahn
T. Gray, RIDEM Bureau of Env. Protection
L. Hellested, RIDEM OWM
T. Slater, Representative
S. Fischbach, RI Legal Services
Principal Torchon, Adelaide High School
M. Murphy, MacTec
A. Sepe, Prov. Dept. of Public Property
T. Deller, Prov. Redevelopment Agency
J. Ryan, Partridge, Snow, & Hahn
R. Dorr, Neighborhood Resident
J. Langlois, RIDEM Legal Services
K. Owens, RIDEM OWM
J. Pichardo, Senator
Knight Memorial Library Repository
D. Heislein, MacTec
G. Simpson, Textron

Figure 1

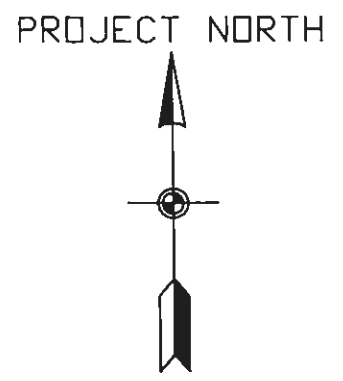
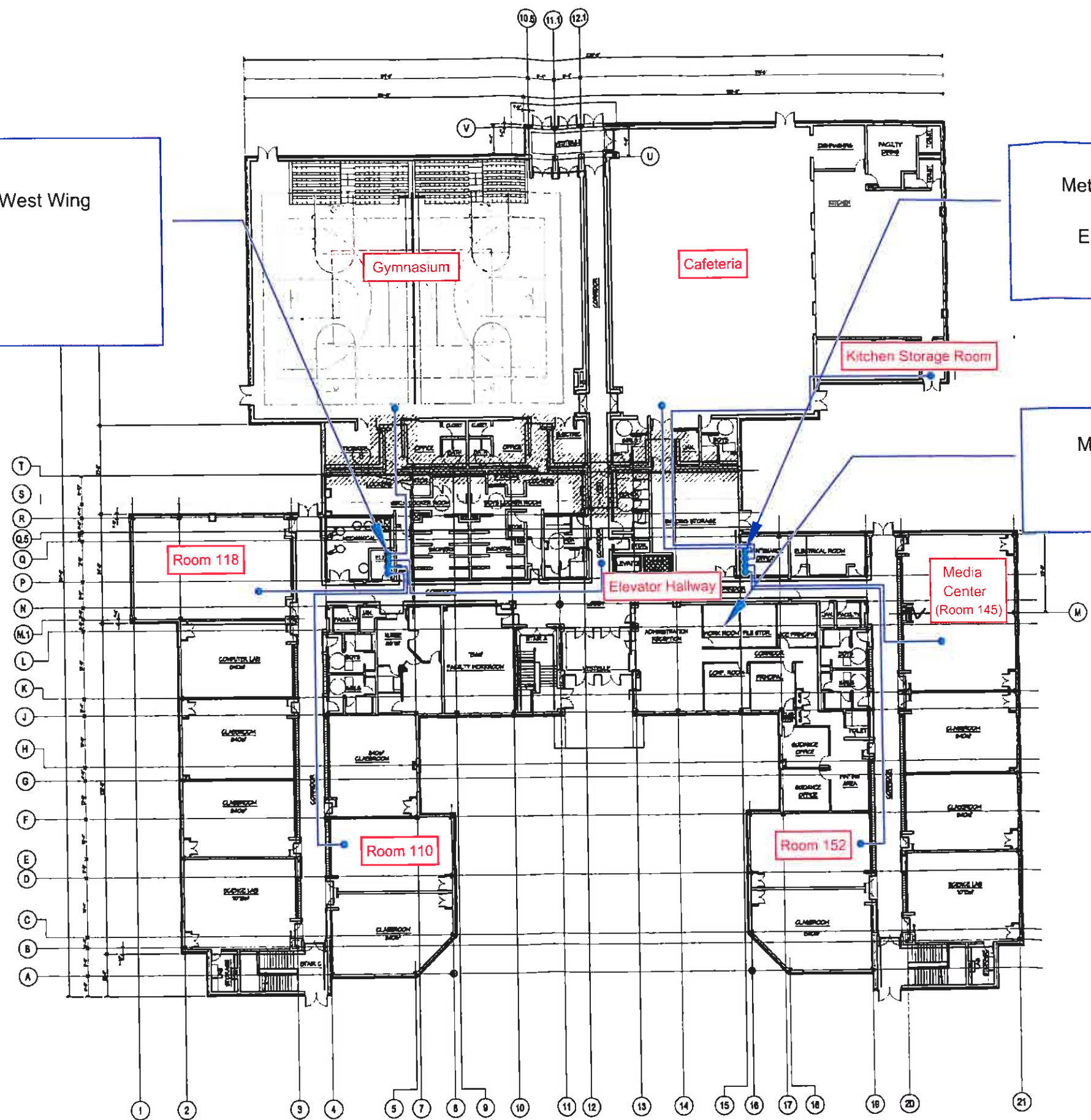
Indoor Air Sampling and
Methane Monitoring Plan

Methane Sensor Location in West Wing
Electrical Room Area

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

Methane System Controller Location
Administration Work Room

NOTE: NOT TO SCALE



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




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

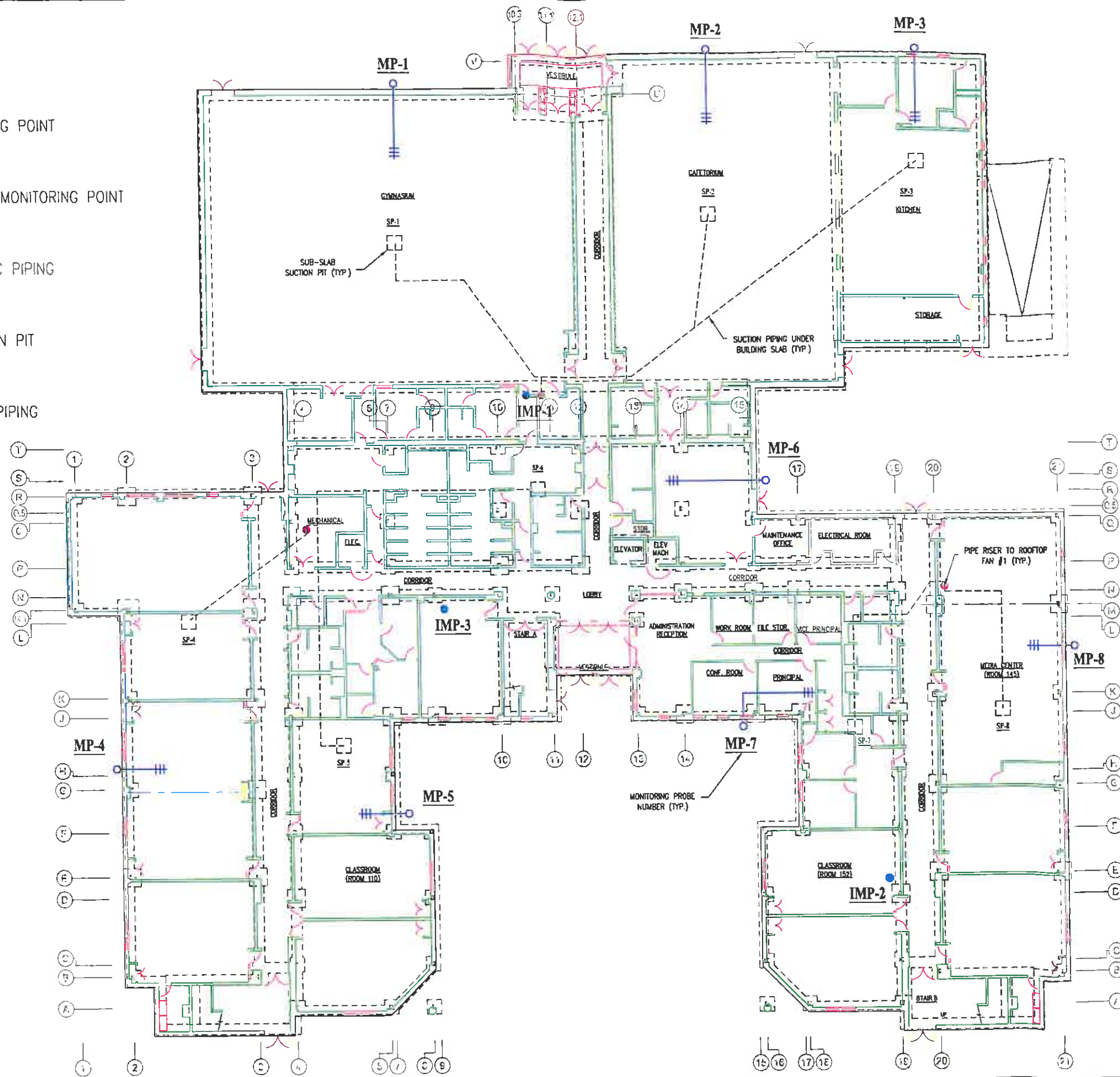
QUARTERLY STATUS REPORT
APPENDIX B

Figure 2

As-Built Subslab Monitoring and
Sampling Locations Plan

LEGEND:

- MP-1** SUB-SLAB MONITORING POINT
- IMP-1** INTERIOR SUB-SLAB MONITORING POINT
-  SLOTTED 1 INCH PVC PIPING
-  SSD SYSTEM SUCTION PIT
-  SOLID 4 INCH PVC PIPING



DESIGNED BY PMG	DRAWN BY DMA	DATE AUG 27 2007	PROJECT NO. 61965.01	FILE NAME AS-BUILT08-07
CHECKED BY PMG	PROJECT MGR. PMG	SCALE NTS	DRAWING NO. 2 OF 3	FIGURE N/A

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

QUARTERLY STATUS REPORT
APPENDIX C

Attachment A

Indoor Air Analytical Report
7 November 2008

Friday, November 07, 2008

Ron Mack
EA Engineering
2350 Post Road
Warwick, RI 02886



GeoLabs, Inc.
45 Johnson Lane
Braintree MA 02184
Tele: 781 848 7844
Fax: 781 848 7811

TEL: (401) 736-3440
FAX: (401) 736-3423

Project: 14613.01
Location: Adelaide High School

Order No.: 0810431

Dear Ron Mack:

GeoLabs, Inc. received 9 sample(s) on 10/27/2008 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications, except when noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Jim Chen", is written over the word "Sincerely,".

Jim Chen
Laboratory Director

For current certifications, please visit our website at www.geolabs.com

Certifications:

CT (PH-0148) - MA (M-MA015) - NH (2508) - NJ (MA009) - NY (11796) - RI (LA000252)

CLIENT: EA Engineering
Project: 14613.01
Lab Order: 0810431

CASE NARRATIVE

Physical Condition of Samples

The project was received by the laboratory in satisfactory condition. The sample(s) were received undamaged, in appropriate containers with the correct preservation.

Project Documentation

The project was accompanied by satisfactory Chain of Custody documentation.

Analysis of Sample(s)

All extractable samples were extracted and analyzed and any Volatile samples were analyzed within method specified holding times and according to GeoLabs documented Standard Operating Procedure. No analytical anomalies or non-conformances were noted by the laboratory during the processing of these samples.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide High School
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER: 0810431-001
SAMPLE LOCATION: Gymnasium

	RESULTS		DETECTION LIMIT	
	(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)
1,1,1-Trichloroethane	ND	ND	0.50	3.40
1,1,1,2-Tetrachloroethane	ND	ND	0.02	0.14
1,1,2,2-Tetrachloroethane	ND	ND	0.02	0.14
1,1,2-Trichloroethane	ND	ND	0.02	0.11
1,1-Dichloroethane	ND	ND	0.50	2.00
1,1-Dichloroethene	ND	ND	0.50	2.00
1,2,4-Trimethylbenzene	ND	ND	0.50	2.50
1,2-Dibromoethane (EDB)	ND	ND	0.20	0.15
1,2-Dichlorobenzene	ND	ND	0.50	3.00
1,2-Dichloroethane	ND	ND	0.02	0.08
1,2-Dichloropropane	ND	ND	0.02	0.09
1,3,5-Trimethylbenzene	ND	ND	0.50	2.50
1,3-Dichlorobenzene	ND	ND	0.50	3.00
1,4-Dichlorobenzene	ND	ND	0.50	3.00
Benzene	ND	ND	0.500	1.60
Bromodichloromethane	ND	ND	0.020	0.13

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide High School
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER: 0810431-001
SAMPLE LOCATION: Gymnasium

	RESULTS		DETECTION LIMIT	
	(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)
Bromoform	ND	ND	0.04	0.41
Carbon Tetrachloride	0.041	0.260	0.04	0.25
Chlorobenzene	ND	ND	0.50	2.30
Chloroethane	ND	ND	0.50	1.30
Chloroform	ND	ND	0.10	0.49
Chloromethane	ND	ND	0.50	1.00
cis-1,2-Dichloroethene	ND	ND	0.50	2.00
cis-1,3-Dichloropropene	ND	ND	0.04	0.18
Dibromochloromethane	ND	ND	0.50	4.20
Dichlorodifluoromethane	ND	ND	0.50	2.50
Ethylbenzene	ND	ND	0.50	2.20
Methylene Chloride	ND	ND	0.50	1.70
Methyl Tert-Butyl Ether	ND	ND	0.50	1.80
m,p-Xylene	ND	ND	1.00	4.30
o-Xylene	ND	ND	0.50	2.20
Styrene	ND	ND	0.50	2.10
Tetrachloroethylene	ND	ND	0.50	42.00

ND = NOT DETECTED

Method Reference:

EPA T014A

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide High School
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER: 0810431-001
SAMPLE LOCATION: Gymnasium

	RESULTS		DETECTION LIMIT	
	(ppbv)	(µg/m ³)	(ppbv)	(µg/m ³)
Toluene	0.900	3.50	0.50	1.90
trans-1,2-Dichloroethene	ND	ND	0.50	2.00
trans-1,3-Dichloropropene	ND	ND	0.04	0.18
Trichloroethylene	ND	ND	0.15	0.80
Trichlorofluoromethane	ND	ND	0.50	2.80
Vinyl chloride	ND	ND	0.04	0.10
Acrylonitrile	ND	ND	1.00	2.20
n-Butylbenzene	ND	ND	1.00	5.50
sec-Butylbenzene	ND	ND	1.00	5.50
Isopropylbenzene	ND	ND	1.00	4.90
p-Isopropyltoluene	ND	ND	1.00	5.50
Acetone	6.30	14.9	1.00	2.40
2-Butanone	ND	ND	0.50	1.50
4-Methyl-2-Pentanone	ND	ND	0.50	2.00

ND = NOT DETECTED

Method Reference:

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide High School
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER:	0810431-002
SAMPLE LOCATION:	Cafeteria

	RESULTS		DETECTION LIMIT	
	(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)
1,1,1-Trichloroethane	ND	ND	0.50	3.40
1,1,1,2-Tetrachloroethane	ND	ND	0.02	0.14
1,1,2,2-Tetrachloroethane	ND	ND	0.02	0.14
1,1,2-Trichloroethane	ND	ND	0.02	0.11
1,1-Dichloroethane	ND	ND	0.50	2.00
1,1-Dichloroethene	ND	ND	0.50	2.00
1,2,4-Trimethylbenzene	ND	ND	0.50	2.50
1,2-Dibromoethane (EDB)	ND	ND	0.20	0.15
1,2-Dichlorobenzene	ND	ND	0.50	3.00
1,2-Dichloroethane	0.038	0.150	0.02	0.08
1,2-Dichloropropane	ND	ND	0.02	0.09
1,3,5-Trimethylbenzene	ND	ND	0.50	2.50
1,3-Dichlorobenzene	ND	ND	0.50	3.00
1,4-Dichlorobenzene	1.60	9.30	0.50	3.00
Benzene	0.500	1.70	0.500	1.60
Bromodichloromethane	ND	ND	0.020	0.13

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide High School
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER: 0810431-002
SAMPLE LOCATION: Cafeteria

	RESULTS		DETECTION LIMIT	
	(ppbv)	(µg/m ³)	(ppbv)	(µg/m ³)
Bromoform	ND	ND	0.04	0.41
Carbon Tetrachloride	0.081	0.510	0.04	0.25
Chlorobenzene	ND	ND	0.50	2.30
Chloroethane	ND	ND	0.50	1.30
Chloroform	ND	ND	0.10	0.49
Chloromethane	ND	ND	0.50	1.00
cis-1,2-Dichloroethene	ND	ND	0.50	2.00
cis-1,3-Dichloropropene	ND	ND	0.04	0.18
Dibromochloromethane	ND	ND	0.50	4.20
Dichlorodifluoromethane	ND	ND	0.50	2.50
Ethylbenzene	ND	ND	0.50	2.20
Methylene Chloride	ND	ND	0.50	1.70
Methyl Tert-Butyl Ether	ND	ND	0.50	1.80
m,p-Xylene	ND	ND	1.00	4.30
o-Xylene	ND	ND	0.50	2.20
Styrene	ND	ND	0.50	2.10
Tetrachloroethylene	ND	ND	0.50	42.00

ND = NOT DETECTED

Method Reference:

EPA T014A

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide High School
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER: 0810431-002
SAMPLE LOCATION: Cafeteria

	RESULTS		DETECTION LIMIT	
	(ppbv)	(µg/m ³)	(ppbv)	(µg/m ³)
Toluene	1.70	6.30	0.50	1.90
trans-1,2-Dichloroethene	ND	ND	0.50	2.00
trans-1,3-Dichloropropene	ND	ND	0.04	0.18
Trichloroethylene	ND	ND	0.15	0.80
Trichlorofluoromethane	ND	ND	0.50	2.80
Vinyl chloride	ND	ND	0.04	0.10
Acrylonitrile	ND	ND	1.00	2.20
n-Butylbenzene	ND	ND	1.00	5.50
sec-Butylbenzene	ND	ND	1.00	5.50
Isopropylbenzene	ND	ND	1.00	4.90
p-Isopropyltoluene	ND	ND	1.00	5.50
Acetone	9.80	23.1	1.00	2.40
2-Butanone	1.10	3.20	0.50	1.50
4-Methyl-2-Pentanone	ND	ND	0.50	2.00

ND = NOT DETECTED

Method Reference:

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide High School
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-R1010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER:	0810431-003
SAMPLE LOCATION:	Kitchen Storage

	RESULTS		DETECTION LIMIT	
	(ppbv)	(µg/m ³)	(ppbv)	(µg/m ³)
1,1,1-Trichloroethane	ND	ND	0.50	3.40
1,1,1,2-Tetrachloroethane	ND	ND	0.02	0.14
1,1,2,2-Tetrachloroethane	ND	ND	0.02	0.14
1,1,2-Trichloroethane	ND	ND	0.02	0.11
1,1-Dichloroethane	ND	ND	0.50	2.00
1,1-Dichloroethene	ND	ND	0.50	2.00
1,2,4-Trimethylbenzene	ND	ND	0.50	2.50
1,2-Dibromoethane (EDB)	ND	ND	0.20	0.15
1,2-Dichlorobenzene	ND	ND	0.50	3.00
1,2-Dichloroethane	ND	ND	0.02	0.08
1,2-Dichloropropane	ND	ND	0.02	0.09
1,3,5-Trimethylbenzene	ND	ND	0.50	2.50
1,3-Dichlorobenzene	ND	ND	0.50	3.00
1,4-Dichlorobenzene	ND	ND	0.50	3.00
Benzene	0.700	2.10	0.500	1.60
Bromodichloromethane	ND	ND	0.020	0.13

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide High School
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER: 0810431-003
SAMPLE LOCATION: Kitchen Storage

	RESULTS		DETECTION LIMIT	
	(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)
Bromoform	ND	ND	0.04	0.41
Carbon Tetrachloride	0.059	0.370	0.04	0.25
Chlorobenzene	ND	ND	0.50	2.30
Chloroethane	ND	ND	0.50	1.30
Chloroform	ND	ND	0.10	0.49
Chloromethane	ND	ND	0.50	1.00
cis-1,2-Dichloroethene	ND	ND	0.50	2.00
cis-1,3-Dichloropropene	ND	ND	0.04	0.18
Dibromochloromethane	ND	ND	0.50	4.20
Dichlorodifluoromethane	ND	ND	0.50	2.50
Ethylbenzene	ND	ND	0.50	2.20
Methylene Chloride	ND	ND	0.50	1.70
Methyl Tert-Butyl Ether	ND	ND	0.50	1.80
m,p-Xylene	ND	ND	1.00	4.30
o-Xylene	ND	ND	0.50	2.20
Styrene	ND	ND	0.50	2.10
Tetrachloroethylene	ND	ND	0.50	42.00

ND = NOT DETECTED

Method Reference:

EPA T014A

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide High School
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER:	0810431-003
SAMPLE LOCATION:	Kitchen Storage

	RESULTS		DETECTION LIMIT	
	(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)
Toluene	1.80	6.70	0.50	1.90
trans-1,2-Dichloroethene	ND	ND	0.50	2.00
trans-1,3-Dichloropropene	ND	ND	0.04	0.18
Trichloroethylene	ND	ND	0.15	0.80
Trichlorofluoromethane	ND	ND	0.50	2.80
Vinyl chloride	ND	ND	0.04	0.10
Acrylonitrile	ND	ND	1.00	2.20
n-Butylbenzene	ND	ND	1.00	5.50
sec-Butylbenzene	ND	ND	1.00	5.50
Isopropylbenzene	ND	ND	1.00	4.90
p-Isopropyltoluene	ND	ND	1.00	5.50
Acetone	23.7	56.2	1.00	2.40
2-Butanone	0.700	1.90	0.50	1.50
4-Methyl-2-Pentanone	ND	ND	0.50	2.00

ND = NOT DETECTED

Method Reference:

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Eengineering	PROJECT ID:	Adelalde High School
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER: 0810431-004
SAMPLE LOCATION: Elevator Hallway

	RESULTS		DETECTION LIMIT	
	(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)
1,1,1-Trichloroethane	ND	ND	0.50	3.40
1,1,1,2-Tetrachloroethane	ND	ND	0.02	0.14
1,1,2,2-Tetrachloroethane	ND	ND	0.02	0.14
1,1,2-Trichloroethane	ND	ND	0.02	0.11
1,1-Dichloroethane	ND	ND	0.50	2.00
1,1-Dichloroethene	ND	ND	0.50	2.00
1,2,4-Trimethylbenzene	0.700	3.50	0.50	2.50
1,2-Dibromoethane (EDB)	ND	ND	0.20	0.15
1,2-Dichlorobenzene	ND	ND	0.50	3.00
1,2-Dichloroethane	ND	ND	0.02	0.08
1,2-Dichloropropane	ND	ND	0.02	0.09
1,3,5-Trimethylbenzene	ND	ND	0.50	2.50
1,3-Dichlorobenzene	ND	ND	0.50	3.00
1,4-Dichlorobenzene	ND	ND	0.50	3.00
Benzene	ND	ND	0.500	1.60
Bromodichloromethane	ND	ND	0.020	0.13

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide High School
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER:	0810431-004
SAMPLE LOCATION:	Elevator Hallway

	RESULTS		DETECTION LIMIT	
	(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)
Bromoform	ND	ND	0.04	0.41
Carbon Tetrachloride	0.072	0.450	0.04	0.25
Chlorobenzene	ND	ND	0.50	2.30
Chloroethane	ND	ND	0.50	1.30
Chloroform	ND	ND	0.10	0.49
Chloromethane	ND	ND	0.50	1.00
cis-1,2-Dichloroethene	ND	ND	0.50	2.00
cis-1,3-Dichloropropene	ND	ND	0.04	0.18
Dibromochloromethane	ND	ND	0.50	4.20
Dichlorodifluoromethane	0.500	2.50	0.50	2.50
Ethylbenzene	ND	ND	0.50	2.20
Methylene Chloride	ND	ND	0.50	1.70
Methyl Tert-Butyl Ether	ND	ND	0.50	1.80
m,p-Xylene	1.20	5.00	1.00	4.30
o-Xylene	ND	ND	0.50	2.20
Styrene	ND	ND	0.50	2.10
Tetrachloroethylene	ND	ND	0.50	42.00

ND = NOT DETECTED

Method Reference:

EPA T014A

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide High School
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER: 0810431-004
SAMPLE LOCATION: Elevator Hallway

	RESULTS		DETECTION LIMIT	
	(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)
Toluene	1.60	6.10	0.50	1.90
trans-1,2-Dichloroethene	ND	ND	0.50	2.00
trans-1,3-Dichloropropene	ND	ND	0.04	0.18
Trichloroethylene	ND	ND	0.15	0.80
Trichlorofluoromethane	ND	ND	0.50	2.80
Vinyl chloride	ND	ND	0.04	0.10
Acrylonitrile	ND	ND	1.00	2.20
n-Butylbenzene	ND	ND	1.00	5.50
sec-Butylbenzene	ND	ND	1.00	5.50
Isopropylbenzene	ND	ND	1.00	4.90
p-Isopropyltoluene	ND	ND	1.00	5.50
Acetone	10.2	24.1	1.00	2.40
2-Butanone	1.20	3.60	0.50	1.50
4-Methyl-2-Pentanone	ND	ND	0.50	2.00

ND = NOT DETECTED

Method Reference:

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide High School
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-R1010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER: 0810431-005
SAMPLE LOCATION: Room 145

	RESULTS		DETECTION LIMIT	
	(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)
1,1,1-Trichloroethane	ND	ND	0.50	3.40
1,1,1,2-Tetrachloroethane	ND	ND	0.02	0.14
1,1,2,2-Tetrachloroethane	ND	ND	0.02	0.14
1,1,2-Trichloroethane	ND	ND	0.02	0.11
1,1-Dichloroethane	ND	ND	0.50	2.00
1,1-Dichloroethene	ND	ND	0.50	2.00
1,2,4-Trimethylbenzene	ND	ND	0.50	2.50
1,2-Dibromoethane (EDB)	ND	ND	0.20	0.15
1,2-Dichlorobenzene	ND	ND	0.50	3.00
1,2-Dichloroethane	ND	ND	0.02	0.08
1,2-Dichloropropane	ND	ND	0.02	0.09
1,3,5-Trimethylbenzene	ND	ND	0.50	2.50
1,3-Dichlorobenzene	ND	ND	0.50	3.00
1,4-Dichlorobenzene	ND	ND	0.50	3.00
Benzene	ND	ND	0.500	1.60
Bromodichloromethane	ND	ND	0.020	0.13

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide High School
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER: 0810431-005
SAMPLE LOCATION: Room 145

	RESULTS		DETECTION LIMIT	
	(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)
Bromoform	ND	ND	0.04	0.41
Carbon Tetrachloride	0.043	0.270	0.04	0.25
Chlorobenzene	ND	ND	0.50	2.30
Chloroethane	ND	ND	0.50	1.30
Chloroform	ND	ND	0.10	0.49
Chloromethane	0.600	1.10	0.50	1.00
cis-1,2-Dichloroethene	ND	ND	0.50	2.00
cis-1,3-Dichloropropene	ND	ND	0.04	0.18
Dibromochloromethane	ND	ND	0.50	4.20
Dichlorodifluoromethane	ND	ND	0.50	2.50
Ethylbenzene	ND	ND	0.50	2.20
Methylene Chloride	ND	ND	0.50	1.70
Methyl Tert-Butyl Ether	ND	ND	0.50	1.80
m,p-Xylene	ND	ND	1.00	4.30
o-Xylene	ND	ND	0.50	2.20
Styrene	ND	ND	0.50	2.10
Tetrachloroethylene	ND	ND	0.50	42.00

ND = NOT DETECTED

Method Reference:

EPA T014A

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide High School
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER: 0810431-005
SAMPLE LOCATION: Room 145

	RESULTS		DETECTION LIMIT	
	(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)
Toluene	1.00	3.80	0.50	1.90
trans-1,2-Dichloroethene	ND	ND	0.50	2.00
trans-1,3-Dichloropropene	ND	ND	0.04	0.18
Trichloroethylene	ND	ND	0.15	0.80
Trichlorofluoromethane	ND	ND	0.50	2.80
Vinyl chloride	ND	ND	0.04	0.10
Acrylonitrile	ND	ND	1.00	2.20
n-Butylbenzene	ND	ND	1.00	5.50
sec-Butylbenzene	ND	ND	1.00	5.50
Isopropylbenzene	ND	ND	1.00	4.90
p-Isopropyltoluene	ND	ND	1.00	5.50
Acetone	14.5	34.3	1.00	2.40
2-Butanone	0.500	1.50	0.50	1.50
4-Methyl-2-Pentanone	ND	ND	0.50	2.00

ND = NOT DETECTED

Method Reference:

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide High School
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER: 0810431-006
SAMPLE LOCATION: Room 152

	RESULTS		DETECTION LIMIT	
	(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)
1,1,1-Trichloroethane	ND	ND	0.50	3.40
1,1,1,2-Tetrachloroethane	ND	ND	0.02	0.14
1,1,2,2-Tetrachloroethane	ND	ND	0.02	0.14
1,1,2-Trichloroethane	ND	ND	0.02	0.11
1,1-Dichloroethane	ND	ND	0.50	2.00
1,1-Dichloroethene	ND	ND	0.50	2.00
1,2,4-Trimethylbenzene	ND	ND	0.50	2.50
1,2-Dibromoethane (EDB)	ND	ND	0.20	0.15
1,2-Dichlorobenzene	ND	ND	0.50	3.00
1,2-Dichloroethane	ND	ND	0.02	0.08
1,2-Dichloropropane	ND	ND	0.02	0.09
1,3,5-Trimethylbenzene	ND	ND	0.50	2.50
1,3-Dichlorobenzene	ND	ND	0.50	3.00
1,4-Dichlorobenzene	ND	ND	0.50	3.00
Benzene	0.600	1.90	0.500	1.60
Bromodichloromethane	ND	ND	0.020	0.13

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide High School
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER: 0810431-006
SAMPLE LOCATION: Room 152

	RESULTS		DETECTION LIMIT	
	(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)
Bromoform	ND	ND	0.04	0.41
Carbon Tetrachloride	0.076	0.480	0.04	0.25
Chlorobenzene	ND	ND	0.50	2.30
Chloroethane	ND	ND	0.50	1.30
Chloroform	ND	ND	0.10	0.49
Chloromethane	ND	ND	0.50	1.00
cis-1,2-Dichloroethene	ND	ND	0.50	2.00
cis-1,3-Dichloropropene	ND	ND	0.04	0.18
Dibromochloromethane	ND	ND	0.50	4.20
Dichlorodifluoromethane	ND	ND	0.50	2.50
Ethylbenzene	ND	ND	0.50	2.20
Methylene Chloride	ND	ND	0.50	1.70
Methyl Tert-Butyl Ether	ND	ND	0.50	1.80
m,p-Xylene	ND	ND	1.00	4.30
o-Xylene	ND	ND	0.50	2.20
Styrene	ND	ND	0.50	2.10
Tetrachloroethylene	ND	ND	0.50	42.00

ND = NOT DETECTED

Method Reference:

EPA T014A

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide High School
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER:	0810431-006
SAMPLE LOCATION:	Room 152

	RESULTS		DETECTION LIMIT	
	(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)
Toluene	1.70	6.60	0.50	1.90
trans-1,2-Dichloroethene	ND	ND	0.50	2.00
trans-1,3-Dichloropropene	ND	ND	0.04	0.18
Trichloroethylene	ND	ND	0.15	0.80
Trichlorofluoromethane	ND	ND	0.50	2.80
Vinyl chloride	ND	ND	0.04	0.10
Acrylonitrile	ND	ND	1.00	2.20
n-Butylbenzene	ND	ND	1.00	5.50
sec-Butylbenzene	ND	ND	1.00	5.50
Isopropylbenzene	ND	ND	1.00	4.90
p-Isopropyltoluene	ND	ND	1.00	5.50
Acetone	10.6	25.1	1.00	2.40
2-Butanone	0.800	2.30	0.50	1.50
4-Methyl-2-Pentanone	ND	ND	0.50	2.00

ND = NOT DETECTED

Method Reference:

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide High School
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER: 0810431-007
SAMPLE LOCATION: Room 118

	RESULTS		DETECTION LIMIT	
	(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)
1,1,1-Trichloroethane	ND	ND	0.50	3.40
1,1,1,2-Tetrachloroethane	ND	ND	0.02	0.14
1,1,2,2-Tetrachloroethane	ND	ND	0.02	0.14
1,1,2-Trichloroethane	ND	ND	0.02	0.11
1,1-Dichloroethane	ND	ND	0.50	2.00
1,1-Dichloroethene	ND	ND	0.50	2.00
1,2,4-Trimethylbenzene	ND	ND	0.50	2.50
1,2-Dibromoethane (EDB)	ND	ND	0.20	0.15
1,2-Dichlorobenzene	ND	ND	0.50	3.00
1,2-Dichloroethane	ND	ND	0.02	0.08
1,2-Dichloropropane	ND	ND	0.02	0.09
1,3,5-Trimethylbenzene	ND	ND	0.50	2.50
1,3-Dichlorobenzene	ND	ND	0.50	3.00
1,4-Dichlorobenzene	ND	ND	0.50	3.00
Benzene	ND	ND	0.500	1.60
Bromodichloromethane	ND	ND	0.020	0.13

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide High School
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER:	0810431-007
SAMPLE LOCATION:	Room 118

	RESULTS		DETECTION LIMIT	
	(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)
Bromoform	ND	ND	0.04	0.41
Carbon Tetrachloride	0.045	0.280	0.04	0.25
Chlorobenzene	ND	ND	0.50	2.30
Chloroethane	ND	ND	0.50	1.30
Chloroform	ND	ND	0.10	0.49
Chloromethane	ND	ND	0.50	1.00
cis-1,2-Dichloroethene	ND	ND	0.50	2.00
cis-1,3-Dichloropropene	ND	ND	0.04	0.18
Dibromochloromethane	ND	ND	0.50	4.20
Dichlorodifluoromethane	ND	ND	0.50	2.50
Ethylbenzene	ND	ND	0.50	2.20
Methylene Chloride	ND	ND	0.50	1.70
Methyl Tert-Butyl Ether	0.700	2.60	0.50	1.80
m,p-Xylene	ND	ND	1.00	4.30
o-Xylene	ND	ND	0.50	2.20
Styrene	ND	ND	0.50	2.10
Tetrachloroethylene	ND	ND	0.50	42.00

ND = NOT DETECTED

Method Reference:

EPA T014A

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide High School
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER:	0810431-007
SAMPLE LOCATION:	Room 118

	RESULTS		DETECTION LIMIT	
	(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)
Toluene	0.600	2.30	0.50	1.90
trans-1,2-Dichloroethene	ND	ND	0.50	2.00
trans-1,3-Dichloropropene	ND	ND	0.04	0.18
Trichloroethylene	ND	ND	0.15	0.80
Trichlorofluoromethane	ND	ND	0.50	2.80
Vinyl chloride	ND	ND	0.04	0.10
Acrylonitrile	ND	ND	1.00	2.20
n-Butylbenzene	ND	ND	1.00	5.50
sec-Butylbenzene	ND	ND	1.00	5.50
Isopropylbenzene	ND	ND	1.00	4.90
p-Isopropyltoluene	ND	ND	1.00	5.50
Acetone	6.70	15.9	1.00	2.40
2-Butanone	ND	ND	0.50	1.50
4-Methyl-2-Pentanone	ND	ND	0.50	2.00

ND = NOT DETECTED

Method Reference:

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide High School
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER: 0810431-008
SAMPLE LOCATION: Room 110

	RESULTS		DETECTION LIMIT	
	(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)
1,1,1-Trichloroethane	ND	ND	0.50	3.40
1,1,1,2-Tetrachloroethane	ND	ND	0.02	0.14
1,1,2,2-Tetrachloroethane	ND	ND	0.02	0.14
1,1,2-Trichloroethane	ND	ND	0.02	0.11
1,1-Dichloroethane	ND	ND	0.50	2.00
1,1-Dichloroethene	ND	ND	0.50	2.00
1,2,4-Trimethylbenzene	ND	ND	0.50	2.50
1,2-Dibromoethane (EDB)	ND	ND	0.20	0.15
1,2-Dichlorobenzene	ND	ND	0.50	3.00
1,2-Dichloroethane	ND	ND	0.02	0.08
1,2-Dichloropropane	ND	ND	0.02	0.09
1,3,5-Trimethylbenzene	ND	ND	0.50	2.50
1,3-Dichlorobenzene	ND	ND	0.50	3.00
1,4-Dichlorobenzene	ND	ND	0.50	3.00
Benzene	0.500	1.60	0.500	1.60
Bromodichloromethane	ND	ND	0.020	0.13

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide High School
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER:	0810431-008
SAMPLE LOCATION:	Room 110

	RESULTS		DETECTION LIMIT	
	(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)
Bromoform	ND	ND	0.04	0.41
Carbon Tetrachloride	0.080	0.510	0.04	0.25
Chlorobenzene	ND	ND	0.50	2.30
Chloroethane	ND	ND	0.50	1.30
Chloroform	ND	ND	0.10	0.49
Chloromethane	0.600	1.20	0.50	1.00
cis-1,2-Dichloroethene	ND	ND	0.50	2.00
cis-1,3-Dichloropropene	ND	ND	0.04	0.18
Dibromochloromethane	ND	ND	0.50	4.20
Dichlorodifluoromethane	ND	ND	0.50	2.50
Ethylbenzene	ND	ND	0.50	2.20
Methylene Chloride	ND	ND	0.50	1.70
Methyl Tert-Butyl Ether	0.700	2.30	0.50	1.80
m,p-Xylene	ND	ND	1.00	4.30
o-Xylene	ND	ND	0.50	2.20
Styrene	ND	ND	0.50	2.10
Tetrachloroethylene	ND	ND	0.50	42.00

ND = NOT DETECTED

Method Reference:

EPA T014A

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide High School
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER:	0810431-008
SAMPLE LOCATION:	Room 110

	RESULTS		DETECTION LIMIT	
	(ppbv)	(µg/m ³)	(ppbv)	(µg/m ³)
Toluene	1.50	5.50	0.50	1.90
trans-1,2-Dichloroethene	ND	ND	0.50	2.00
trans-1,3-Dichloropropene	ND	ND	0.04	0.18
Trichloroethylene	ND	ND	0.15	0.80
Trichlorofluoromethane	ND	ND	0.50	2.80
Vinyl chloride	ND	ND	0.04	0.10
Acrylonitrile	ND	ND	1.00	2.20
n-Butylbenzene	ND	ND	1.00	5.50
sec-Butylbenzene	ND	ND	1.00	5.50
Isopropylbenzene	ND	ND	1.00	4.90
p-Isopropyltoluene	ND	ND	1.00	5.50
Acetone	11.2	26.5	1.00	2.40
2-Butanone	0.700	2.00	0.50	1.50
4-Methyl-2-Pentanone	ND	ND	0.50	2.00

ND = NOT DETECTED

Method Reference:

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide High School
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER:	0810431-009
SAMPLE LOCATION:	Ambient

	RESULTS		DETECTION LIMIT	
	(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)
1,1,1-Trichloroethane	ND	ND	0.50	3.40
1,1,1,2-Tetrachloroethane	ND	ND	0.02	0.14
1,1,2,2-Tetrachloroethane	ND	ND	0.02	0.14
1,1,2-Trichloroethane	ND	ND	0.02	0.11
1,1-Dichloroethane	ND	ND	0.50	2.00
1,1-Dichloroethene	ND	ND	0.50	2.00
1,2,4-Trimethylbenzene	ND	ND	0.50	2.50
1,2-Dibromoethane (EDB)	ND	ND	0.20	0.15
1,2-Dichlorobenzene	ND	ND	0.50	3.00
1,2-Dichloroethane	ND	ND	0.02	0.08
1,2-Dichloropropane	ND	ND	0.02	0.09
1,3,5-Trimethylbenzene	ND	ND	0.50	2.50
1,3-Dichlorobenzene	ND	ND	0.50	3.00
1,4-Dichlorobenzene	ND	ND	0.50	3.00
Benzene	1.10	3.60	0.500	1.60
Bromodichloromethane	ND	ND	0.020	0.13

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide High School
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER: 0810431-009
SAMPLE LOCATION: Ambient

	RESULTS		DETECTION LIMIT	
	(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)
Bromoform	ND	ND	0.04	0.41
Carbon Tetrachloride	0.073	0.460	0.04	0.25
Chlorobenzene	ND	ND	0.50	2.30
Chloroethane	ND	ND	0.50	1.30
Chloroform	ND	ND	0.10	0.49
Chloromethane	ND	ND	0.50	1.00
cis-1,2-Dichloroethene	ND	ND	0.50	2.00
cis-1,3-Dichloropropene	ND	ND	0.04	0.18
Dibromochloromethane	ND	ND	0.50	4.20
Dichlorodifluoromethane	ND	ND	0.50	2.50
Ethylbenzene	ND	ND	0.50	2.20
Methylene Chloride	ND	ND	0.50	1.70
Methyl Tert-Butyl Ether	ND	ND	0.50	1.80
m,p-Xylene	1.10	4.70	1.00	4.30
o-Xylene	ND	ND	0.50	2.20
Styrene	ND	ND	0.50	2.10
Tetrachloroethylene	ND	ND	0.50	42.00

ND = NOT DETECTED

Method Reference:

EPA T014A

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide High School
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER: 0810431-009
SAMPLE LOCATION: Ambient

	RESULTS		DETECTION LIMIT	
	(ppbv)	(µg/m ³)	(ppbv)	(µg/m ³)
Toluene	2.20	8.40	0.50	1.90
trans-1,2-Dichloroethene	ND	ND	0.50	2.00
trans-1,3-Dichloropropene	ND	ND	0.04	0.18
Trichloroethylene	ND	ND	0.15	0.80
Trichlorofluoromethane	ND	ND	0.50	2.80
Vinyl chloride	ND	ND	0.04	0.10
Acrylonitrile	ND	ND	1.00	2.20
n-Butylbenzene	ND	ND	1.00	5.50
sec-Butylbenzene	ND	ND	1.00	5.50
Isopropylbenzene	ND	ND	1.00	4.90
p-Isopropyltoluene	ND	ND	1.00	5.50
Acetone	45.9	109	2.00	4.70
2-Butanone	1.00	2.80	0.50	1.50
4-Methyl-2-Pentanone	ND	ND	0.50	2.00

ND = NOT DETECTED

Method Reference:

CHAIN OF CUSTODY RECORD
 Geolabs, Inc. Environmental Laboratories
 45 Johnson Lane, Braintree, MA 02184
 p 781.848.7844 • f 781.848.7811
 www.geolabs.com

Sample Handling: circle choice
 Done Not Needed
 Lab to do Y / N

Special Instructions

Turnaround: circle one
 1-day 3-day 5/7-days
 2-day Excel PDF email

Data Delivery: circle choice (s) **0810431**
 CT RCP (Reasonable Confidence Protocols)
 State / Fed Program - Criteria

Client: **EA ENGINEERING**
 Address: **2350 POST ROAD WARWICK RI 02886**
 Contact: **RON MACK**

Phone: **401-736-3440 x218**
 Fax: **401-736-3440**
 email: **rmack@east.com**

Project: **ARCADE HIGH SCHOOL**
 Project PO: **4613.01**
 Invoice to *

COLLECTION		SAMPLE LOCATION / ID	CONTAINER		Geolabs SAMPLE NUMBER	Analysis Requested	TEMPERATURE	LAB PH
DATE	TIME		TYPE	QUANTITY				
10/27	6:55	Gymnasium	S	1	10431-001	✓	70-15.5m	
	6:50	Cafeteria			002			
	6:58	Kitchen Storage			003			
	6:57	Elevator Hallway			004			
	7:07	Room 145			005			
	7:08	Room 152			006			
	7:10	Room 118			007			
	7:11	Room 110			008			
	8:04	AMBIENT			009			

Matrix Codes: GW = Ground Water, WW = Waste Water, DW = Drinking Water, SL = Sludge, S = Soil, O = Oil, A = Air, OT = Other

Received on Ice

Preservatives: 1 = HCl, 2 = HNO3, 3 = H2SO4, 4 = Na2S2O3, 5 = NaOH, 6 = MEQH, 7 = Other

Containers: A = Amber, G = Glass, S = Summa, B = Bag, P = Plastic, V = Voa, O = Other

Relinquished by: *[Signature]* Date / Time: 10/27/08 1:40

Received by: *[Signature]* Date / Time: 10/27/08 1:40

280688 J&P.C of CA.08/24/08 * Terms: Payment due within 30 days unless other arrangements are made. Past due balances subject to interest and collection cost. Note: Homeowners and Law Firms must pay when dropping off samples. We accept cash, check and credit cards.

NH (2508) NJ (MA-009) RI (LA000252)
 MA (MA - 015) PA (68-03417)
 CT (PH-0148) NY (11796)

Attachment B

Subslab Vapor Analytical Report
7 November 2008

Friday, November 07, 2008

Mark Speer
EA Engineering
2350 Post Road
Warwick, RI 02886

TEL: (401) 736-3440
FAX: (401) 736-3423

Project: 14613.01
Location: Adelaide HS



GeoLabs, Inc.
45 Johnson Lane
Braintree MA 02184
Tele: 781 848 7844
Fax: 781 848 7811

Order No.: 0810435


Dear Mark Speer:

GeoLabs, Inc. received 4 sample(s) on 10/27/2008 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications, except when noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,


Jim Chen
Laboratory Director

For current certifications, please visit our website at www.geolabs.com

Certifications:

CT (PH-0148) - MA (M-MA015) - NH (2508) - NJ (MA009) - NY (11796) - RI (LA000252)

CLIENT: EA Engineering
Project: 14613.01
Lab Order: 0810435

CASE NARRATIVE

Physical Condition of Samples

The project was received by the laboratory in satisfactory condition. The sample(s) were received undamaged, in appropriate containers with the correct preservation.

Project Documentation

The project was accompanied by satisfactory Chain of Custody documentation.

Analysis of Sample(s)

All extractable samples were extracted and analyzed and any Volatile samples were analyzed within method specified holding times and according to GeoLabs documented Standard Operating Procedure. No analytical anomalies or non-conformances were noted by the laboratory during the processing of these samples.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide HS
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER: 0810435-001
SAMPLE LOCATION: MP-1

	RESULTS		DETECTION LIMIT	
	(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)
1,1,1-Trichloroethane	ND	ND	0.50	3.40
1,1,1,2-Tetrachloroethane	ND	ND	0.02	0.14
1,1,1,2,2-Tetrachloroethane	ND	ND	0.02	0.14
1,1,2-Trichloroethane	ND	ND	0.02	0.11
1,1-Dichloroethane	ND	ND	0.50	2.00
1,1-Dichloroethene	ND	ND	0.50	2.00
1,2,4-Trimethylbenzene	2.30	11.4	0.50	2.50
1,2-Dibromoethane (EDB)	ND	ND	0.20	0.15
1,2-Dichlorobenzene	ND	ND	0.50	3.00
1,2-Dichloroethane	ND	ND	0.02	0.08
1,2-Dichloropropane	ND	ND	0.02	0.09
1,3,5-Trimethylbenzene	1.60	7.80	0.50	2.50
1,3-Dichlorobenzene	ND	ND	0.50	3.00
1,4-Dichlorobenzene	ND	ND	0.50	3.00
Benzene	ND	ND	0.500	1.60
Bromodichloromethane	ND	ND	0.020	0.13

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide HS
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER: 0810435-001
SAMPLE LOCATION: MP-1

	RESULTS		DETECTION LIMIT	
	(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)
Bromoform	ND	ND	0.04	0.41
Carbon Tetrachloride	0.076	0.480	0.04	0.25
Chlorobenzene	ND	ND	0.50	2.30
Chloroethane	ND	ND	0.50	1.30
Chloroform	ND	ND	0.10	0.49
Chloromethane	ND	ND	0.50	1.00
cis-1,2-Dichloroethene	ND	ND	0.50	2.00
cis-1,3-Dichloropropene	ND	ND	0.04	0.18
Dibromochloromethane	ND	ND	0.50	4.20
Dichlorodifluoromethane	ND	ND	0.50	2.50
Ethylbenzene	4.30	18.4	0.50	2.20
Methylene Chloride	ND	ND	0.50	1.70
Methyl Tert-Butyl Ether	ND	ND	0.50	1.80
m,p-Xylene	9.60	41.6	1.00	4.30
o-Xylene	2.30	9.80	0.50	2.20
Styrene	ND	ND	0.50	2.10
Tetrachloroethylene	ND	ND	0.50	42.00

ND = NOT DETECTED

Method Reference:

EPA T014A

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide HS
SAMPLE TYPE:	AIR	REPORT DATE:	11/06/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER: 0810435-001
SAMPLE LOCATION: MP-1

	RESULTS		DETECTION LIMIT	
	(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)
Toluene	15.0	56.3	0.50	1.90
trans-1,2-Dichloroethene	ND	ND	0.50	2.00
trans-1,3-Dichloropropene	ND	ND	0.04	0.18
Trichloroethylene	ND	ND	0.15	0.80
Trichlorofluoromethane	ND	ND	0.50	2.80
Vinyl chloride	ND	ND	0.04	0.10
Acrylonitrile	ND	ND	1.00	2.20
n-Butylbenzene	4.00	22.1	1.00	5.50
sec-Butylbenzene	ND	ND	1.00	5.50
Isopropylbenzene	1.10	5.20	1.00	4.90
p-Isopropyltoluene	2.30	12.5	1.00	5.50
Acetone	8.30	19.6	1.00	2.40
2-Butanone	18.2	53.5	0.50	1.50
4-Methyl-2-Pentanone	ND	ND	0.50	2.00

ND = NOT DETECTED

Method Reference:

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide HS
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER: 0810435-002
SAMPLE LOCATION: MP-5

	RESULTS		DETECTION LIMIT	
	(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)
1,1,1-Trichloroethane	ND	ND	0.50	3.40
1,1,1,2-Tetrachloroethane	ND	ND	0.02	0.14
1,1,2,2-Tetrachloroethane	ND	ND	0.02	0.14
1,1,2-Trichloroethane	ND	ND	0.02	0.11
1,1-Dichloroethane	ND	ND	0.50	2.00
1,1-Dichloroethene	ND	ND	0.50	2.00
1,2,4-Trimethylbenzene	ND	ND	0.50	2.50
1,2-Dibromoethane (EDB)	ND	ND	0.20	0.15
1,2-Dichlorobenzene	ND	ND	0.50	3.00
1,2-Dichloroethane	ND	ND	0.02	0.08
1,2-Dichloropropane	ND	ND	0.02	0.09
1,3,5-Trimethylbenzene	ND	ND	0.50	2.50
1,3-Dichlorobenzene	ND	ND	0.50	3.00
1,4-Dichlorobenzene	ND	ND	0.50	3.00
Benzene	ND	ND	0.500	1.60
Bromodichloromethane	0.160	1.07	0.020	0.13

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide HS
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER: 0810435-002
SAMPLE LOCATION: MP-5

	RESULTS		DETECTION LIMIT	
	(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)
Bromoform	ND	ND	0.04	0.41
Carbon Tetrachloride	0.057	0.360	0.04	0.25
Chlorobenzene	ND	ND	0.50	2.30
Chloroethane	ND	ND	0.50	1.30
Chloroform	ND	ND	0.10	0.49
Chloromethane	ND	ND	0.50	1.00
cis-1,2-Dichloroethene	ND	ND	0.50	2.00
cis-1,3-Dichloropropene	ND	ND	0.04	0.18
Dibromochloromethane	ND	ND	0.50	4.20
Dichlorodifluoromethane	ND	ND	0.50	2.50
Ethylbenzene	ND	ND	0.50	2.20
Methylene Chloride	ND	ND	0.50	1.70
Methyl Tert-Butyl Ether	0.700	2.60	0.50	1.80
m,p-Xylene	ND	ND	1.00	4.30
o-Xylene	ND	ND	0.50	2.20
Styrene	ND	ND	0.50	2.10
Tetrachloroethylene	1.50	10.0	0.50	42.00

ND = NOT DETECTED

Method Reference:

EPA T014A

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide HS
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER:	0810435-002
SAMPLE LOCATION:	MP-5

	RESULTS		DETECTION LIMIT	
	(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)
Toluene	0.800	3.20	0.50	1.90
trans-1,2-Dichloroethene	ND	ND	0.50	2.00
trans-1,3-Dichloropropene	ND	ND	0.04	0.18
Trichloroethylene	21.8	117	0.50	2.70
Trichlorofluoromethane	7.90	44.4	0.50	2.80
Vinyl chloride	ND	ND	0.04	0.10
Acrylonitrile	ND	ND	1.00	2.20
n-Butylbenzene	ND	ND	1.00	5.50
sec-Butylbenzene	ND	ND	1.00	5.50
Isopropylbenzene	ND	ND	1.00	4.90
p-Isopropyltoluene	ND	ND	1.00	5.50
Acetone	6.30	15.0	1.00	2.40
2-Butanone	10.4	30.5	0.50	1.50
4-Methyl-2-Pentanone	ND	ND	0.50	2.00

ND = NOT DETECTED

Method Reference:

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide HS
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER:	0810435-003
SAMPLE LOCATION:	IMP-1

	RESULTS		DETECTION LIMIT	
	(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)
1,1,1-Trichloroethane	ND	ND	0.50	3.40
1,1,1,2-Tetrachloroethane	ND	ND	0.02	0.14
1,1,2,2-Tetrachloroethane	ND	ND	0.02	0.14
1,1,2-Trichloroethane	ND	ND	0.02	0.11
1,1-Dichloroethane	ND	ND	0.50	2.00
1,1-Dichloroethene	ND	ND	0.50	2.00
1,2,4-Trimethylbenzene	ND	ND	0.50	2.50
1,2-Dibromoethane (EDB)	ND	ND	0.20	0.15
1,2-Dichlorobenzene	ND	ND	0.50	3.00
1,2-Dichloroethane	ND	ND	0.02	0.08
1,2-Dichloropropane	ND	ND	0.02	0.09
1,3,5-Trimethylbenzene	ND	ND	0.50	2.50
1,3-Dichlorobenzene	ND	ND	0.50	3.00
1,4-Dichlorobenzene	ND	ND	0.50	3.00
Benzene	ND	ND	0.500	1.60
Bromodichloromethane	ND	ND	0.020	0.13

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide HS
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER: 0810435-003
SAMPLE LOCATION: IMP-1

	RESULTS		DETECTION LIMIT	
	(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)
Bromoform	ND	ND	0.04	0.41
Carbon Tetrachloride	0.066	0.410	0.04	0.25
Chlorobenzene	ND	ND	0.50	2.30
Chloroethane	ND	ND	0.50	1.30
Chloroform	ND	ND	0.10	0.49
Chloromethane	0.500	1.10	0.50	1.00
cis-1,2-Dichloroethene	ND	ND	0.50	2.00
cis-1,3-Dichloropropene	ND	ND	0.04	0.18
Dibromochloromethane	ND	ND	0.50	4.20
Dichlorodifluoromethane	ND	ND	0.50	2.50
Ethylbenzene	ND	ND	0.50	2.20
Methylene Chloride	ND	ND	0.50	1.70
Methyl Tert-Butyl Ether	0.900	3.20	0.50	1.80
m,p-Xylene	ND	ND	1.00	4.30
o-Xylene	ND	ND	0.50	2.20
Styrene	ND	ND	0.50	2.10
Tetrachloroethylene	ND	ND	0.50	42.00

ND = NOT DETECTED

Method Reference:

EPA T014A

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide HS
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER: 0810435-003
SAMPLE LOCATION: IMP-1

	RESULTS		DETECTION LIMIT	
	(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)
Toluene	1.80	6.60	0.50	1.90
trans-1,2-Dichloroethene	ND	ND	0.50	2.00
trans-1,3-Dichloropropene	ND	ND	0.04	0.18
Trichloroethylene	0.560	2.99	0.15	0.80
Trichlorofluoromethane	1.10	6.10	0.50	2.80
Vinyl chloride	ND	ND	0.04	0.10
Acrylonitrile	ND	ND	1.00	2.20
n-Butylbenzene	2.30	12.8	1.00	5.50
sec-Butylbenzene	ND	ND	1.00	5.50
Isopropylbenzene	ND	ND	1.00	4.90
p-Isopropyltoluene	3.40	18.5	1.00	5.50
Acetone	7.60	17.9	1.00	2.40
2-Butanone	0.800	2.40	0.50	1.50
4-Methyl-2-Pentanone	ND	ND	0.50	2.00

ND = NOT DETECTED

Method Reference:

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide HS
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-R1010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER:	0810435-004
SAMPLE LOCATION:	IMP-3

	RESULTS		DETECTION LIMIT	
	(ppbv)	(µg/m³)	(ppbv)	(µg/m³)
1,1,1-Trichloroethane	ND	ND	0.50	3.40
1,1,1,2-Tetrachloroethane	ND	ND	0.02	0.14
1,1,2,2-Tetrachloroethane	ND	ND	0.02	0.14
1,1,2-Trichloroethane	ND	ND	0.02	0.11
1,1-Dichloroethane	ND	ND	0.50	2.00
1,1-Dichloroethene	ND	ND	0.50	2.00
1,2,4-Trimethylbenzene	0.600	2.90	0.50	2.50
1,2-Dibromoethane (EDB)	ND	ND	0.20	0.15
1,2-Dichlorobenzene	ND	ND	0.50	3.00
1,2-Dichloroethane	0.023	0.095	0.02	0.08
1,2-Dichloropropane	ND	ND	0.02	0.09
1,3,5-Trimethylbenzene	ND	ND	0.50	2.50
1,3-Dichlorobenzene	ND	ND	0.50	3.00
1,4-Dichlorobenzene	ND	ND	0.50	3.00
Benzene	ND	ND	0.500	1.60
Bromodichloromethane	ND	ND	0.020	0.13

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide HS
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER: 0810435-004
SAMPLE LOCATION: IMP-3

	RESULTS		DETECTION LIMIT	
	(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)
Bromoform	ND	ND	0.04	0.41
Carbon Tetrachloride	0.089	0.560	0.04	0.25
Chlorobenzene	ND	ND	0.50	2.30
Chloroethane	0.600	1.60	0.50	1.30
Chloroform	ND	ND	0.10	0.49
Chloromethane	1.70	3.50	0.50	1.00
cis-1,2-Dichloroethene	ND	ND	0.50	2.00
cis-1,3-Dichloropropene	ND	ND	0.04	0.18
Dibromochloromethane	ND	ND	0.50	4.20
Dichlorodifluoromethane	ND	ND	0.50	2.50
Ethylbenzene	ND	ND	0.50	2.20
Methylene Chloride	ND	ND	0.50	1.70
Methyl Tert-Butyl Ether	1.70	5.80	0.50	1.80
m,p-Xylene	ND	ND	1.00	4.30
o-Xylene	0.900	4.00	0.50	2.20
Styrene	ND	ND	0.50	2.10
Tetrachloroethylene	ND	ND	0.50	42.00

ND = NOT DETECTED

Method Reference:

EPA T014A

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide HS
SAMPLE TYPE:	AIR	REPORT DATE:	11/07/08
COLLECTION DATE:	10/27/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	10/27/08	ANALYSIS DATE:	11/04/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

VOLATILE ORGANICS

SAMPLE NUMBER:	0810435-004
SAMPLE LOCATION:	IMP-3

	RESULTS		DETECTION LIMIT	
	(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)
Toluene	2.20	8.20	0.50	1.90
trans-1,2-Dichloroethene	ND	ND	0.50	2.00
trans-1,3-Dichloropropene	ND	ND	0.04	0.18
Trichloroethylene	ND	ND	0.15	0.80
Trichlorofluoromethane	ND	ND	0.50	2.80
Vinyl chloride	ND	ND	0.04	0.10
Acrylonitrile	ND	ND	1.00	2.20
n-Butylbenzene	ND	ND	1.00	5.50
sec-Butylbenzene	ND	ND	1.00	5.50
Isopropylbenzene	ND	ND	1.00	4.90
p-Isopropyltoluene	ND	ND	1.00	5.50
Acetone	14.0	33.3	1.00	2.40
2-Butanone	1.90	5.70	0.50	1.50
4-Methyl-2-Pentanone	ND	ND	0.50	2.00

ND = NOT DETECTED

Method Reference:

CHAIN OF CUSTODY RECORD
 Geolabs, Inc. Environmental Laboratories
 45 Johnson Lane, Braintree, MA 02184
 p 781.848.7844 • f 781.848.7811
 www.geolabs.com

Special Instructions

Requirements: circle choice (s) 0810435
 CT RCP (Reasonable Confidence Protocols)
 State / Fed Program - Criteria

Sample Handling: circle choice
 Done Not Needed Lab to do Y/N

Preservation Y/N

MCP Methods
 DEP Other

Project: Adelaide HS
 Project PO: 14613-01
 Invoice to *:

Turnaround: circle one
 1-day 3-day 5/7-days

Data Delivery: circle choice (s)
 Fax email PDF Excel

Phone: 401-236-3440
 Fax: 401-236-7423
 email: mark@caestica

DATE	COLLECTION TIME	SAMPLE LOCATION / ID	CONTAINER		Geolabs SAMPLE NUMBER	Preservative:	Analysis Requested							
			TYPE	QUANTITY			MATRIX	COMPO	GRA B	TEMPERATURE	L A B P H			
10/2/08 8:00	DA/RM	MP-1	S	1	10435-001	X								
8:08		MP-5	↓	↓	002									
7:49		IMP-1	↓	↓	003									
7:24		IMP-3	↓	↓	004									

Matrix Codes:
 GW = Ground Water
 WW = Waste Water
 DW = Drinking Water
 SL = Sludge
 S = Soil
 O = Oil
 A = Air
 OT = Other

Received on Ice

Preservatives:
 1 = HCl
 2 = HNO3
 3 = H2SO4
 4 = Na2S2O3
 5 = NaOH
 6 = MEQH
 7 = Other

Containers:
 A = Amber
 G = Glass
 S = Summa
 B = Bag
 P = Plastic
 V = Voa
 O = Other

Relinquished by: _____ Date / Time _____

Received by: [Signature] Date / Time 11/21 1:40

200688-J&P.C of CR, 08-1-08
 * Terms: Payment due within 30 days unless other arrangements are made. Past due balances subject to interest and collection cost.
 Note: Homeowners and Law Firms must pay when dropping off samples. We accept cash and credit cards.
 NH (2508) NJ (MA-009)
 RI (LA000252)
 MA (MA-015)
 PA (68-03417)
 NY (11796)
 CT (PH-0148)
 KY (11796)

Attachment C

Resampling Analytical Report
20 November 2008



Thursday, November 20, 2008

Ron Mack
EA Engineering
333 Turnpike Rd
Southborough, MA 01772

GeoLabs, Inc.
45 Johnson Lane
Braintree MA 02184
Tele: 781 848 7844
Fax: 781 848 7811

TEL: (401) 736-3440
FAX: (508) 485-5742

Project: Adelaide Ave School
Location: 14613.01

Order No.: 0811172

Dear Ron Mack:

GeoLabs, Inc. received 2 sample(s) on 11/12/2008 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications, except when noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,


Jim Chen
Laboratory Director

For current certifications, please visit our website at www.geolabs.com

Certifications:

CT (PH-0148) - MA (M-MA015) - NH (2508) - NJ (MA009) - NY (11796) - RI (LA000252)

CLIENT: EA Engineering
Project: Adelaide Ave School
Lab Order: 0811172

CASE NARRATIVE

Physical Condition of Samples

The project was received by the laboratory in satisfactory condition. The sample(s) were received undamaged, in appropriate containers with the correct preservation.

Project Documentation

The project was accompanied by satisfactory Chain of Custody documentation.

Analysis of Sample(s)

All extractable samples were extracted and analyzed and any Volatile samples were analyzed within method specified holding times and according to GeoLabs documented Standard Operating Procedure. No analytical anomalies or non-conformances were noted by the laboratory during the processing of these samples.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide Ave School
SAMPLE TYPE:	AIR	REPORT DATE:	11/20/08
COLLECTION DATE:	11/12/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	11/12/08	ANALYSIS DATE:	11/18/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

1,2-DICHLOROETHANE

SAMPLE NUMBER	SAMPLE LOCATION	1,2-DICHLOROETHANE		DETECTION LIMIT	
		(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)

0811172-001	Cafeteria	ND	ND	0.500	2.00
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ND = NOT DETECTED

Method Reference:

EPA T015 SIM

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	EA Engineering	PROJECT ID:	Adelaide Ave School
SAMPLE TYPE:	AIR	REPORT DATE:	11/20/08
COLLECTION DATE:	11/12/08	ANALYZED BY:	M-RI010
REC'D BY LAB:	11/12/08	ANALYSIS DATE:	11/18/08
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

1,2-DICHLOROETHANE

SAMPLE NUMBER	SAMPLE LOCATION	1,2-DICHLOROETHANE		DETECTION LIMIT	
		(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)

0811172-002	MP-2	ND	ND	0.500	2.00
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ND = NOT DETECTED

Method Reference:

EPA T015 SIM

CHAIN OF CUSTODY RECORD
 Geol.Labs, Inc. Environmental Laboratories
 45 Johnson Lane, Braintree, MA 02184
 p 781.848.7844 • f 781.848.7811
 www.geolabs.com

Sample Handling: circle choice
 Filtration: Done () / Not Needed (X)
 Preservation: Lab to do (Y) / Lab to do (N)

Special Instructions
REPORT 1,2-DICHLOROETHANE ONLY PLEASE.

Turnaround: circle one
 1-day () 3-day () 5/7-days (X)

Data Delivery: circle choice (s)
 email () PDF (X)

Requirements: circle choice (s)
 CT RCP (Reasonable Confidence Protocols) ()
 State / Fed Program - Criteria ()
 Other: **CT TARGET INDOOR AIR CONCENTRATIONS - PROVIDED**

Client: **EA Engineering**
 Address: **2350 Post Rd Pawtucket, RI 02886**
 Contact: **RON MACK**

Phone: **(401) 736-3440 x218**
 Fax: **(401) 736-3423**
 email: **r.mack@east.com**

Project: **Adelaide Ave School**
 Project PO: **1461301**
 Invoice to: *

DATE	COLLECTION TIME	SAMPLER USED	SAMPLE LOCATION / ID	CONTAINER			Geolabs SAMPLE NUMBER	Preservative:	Analysis Requested				TEMPERATURE	LAB PH
				QUANTITY	MATRIX	COMP			URAB					
11/12/08	10:38	DMA	Cafeteria	51	AAX		11172-001							
	11:05		MP-2	51	SVX		002							

Matrix Codes: GW = Ground Water, WW = Waste Water, DW = Drinking Water, SL = Sludge, S = Soil, O = Oil, A = Air, OT = Other

Received on Ice:

Preservatives: 1 = Hcl, 2 = HNO3, 3 = H2SO4, 4 = Na2S2O3, 5 = NaOH, 6 = MEQH, 7 = Other

Containers: A = Amber, G = Glass, S = Summa, B = Bag, P = Plastic, V = Voa, O = Other

Relinquished by: *[Signature]* Date / Time: 11/12/08

Received by: *[Signature]* Date / Time: 11/12/08 3:30