

Appendix	Lab	Lab ID	Sample Date	Description	CAM Form Included	Lab Presumptive Certainty?	QC Performance Standards Met	CAM COMPLIANCE	ESM QAQC doc	Result?
D	GWA	84427	06/01/05	Soil - Test Pits/PT spl	Yes	NO	No	CAM Non-Compliant	Completed	Data Not Compromised - Tank 1 data not utilized other than identification of tank contents.
D	GWA	85632	07/13/05	Soil - Wells	Yes	Yes	No	CAM-Compliant	Completed	Data Not Compromised
D	GWA	87113	08/30/05	Soil Grid Locations/TCLP	Yes	Yes	No	CAM-Compliant	Completed	Data Not Compromised
D	GWA	87813	08/31/05	Soil Grid Locations	Yes	Yes	Yes	CAM-Compliant	Completed	Data Not Compromised
D	GWA	96205	06/21/06	Asbestos	No	No	N/A	NON-CAM	Completed	Data Not Compromised
E	RC	10061	03/23/06	Packer Testing	Yes	Yes	No	CAM-Compliant	Completed	Data Not Compromised
E	RC	10068	03/23/06	Packer Testing	Yes	Yes	Yes	CAM-Compliant	Completed	Data Not Compromised
E	RC	10070	03/24/06	Packer Testing	Yes	Yes	Yes	CAM-Compliant	Completed	Data Not Compromised
E	RC	10079	03/27/06	Packer Testing	Yes	Yes	No	CAM-Compliant	Completed	Data Not Compromised
E	RC	10088	03/28/06	Packer Testing	Yes	Yes	Yes	CAM-Compliant	Completed	Data Not Compromised
E	RC	10094	03/29/06	Packer Testing	Yes	Yes	Yes	CAM-Compliant	Completed	Data Not Compromised
E	RC	10103	03/30/06	Packer Testing	Yes	Yes	No	CAM-Compliant	Completed	Data Not Compromised
E	RC	10105	03/31/06	Packer Testing	Yes	Yes	Yes	CAM-Compliant	Completed	Data Not Compromised
E	RC	10154	04/06/06	GW - wells	Yes	Yes	No	CAM-Compliant	Completed	Data Not Compromised
E	RC	10170	04/10/06	GW - PZ-1 - PZ-3	Yes	Yes	No	CAM-Compliant	Completed	Data Not Compromised
E	RC	10171	04/10/06	GW - wells	Yes	Yes	No	CAM-Compliant	Completed	Data Not Compromised
E	RC	11371	11/15/06	PZ-4 - PZ-7	Yes	Yes	No	CAM-Compliant	Completed	Data Not Compromised
F	RC	10426	05/30/06	SW / Sed	Yes	Yes	No	CAM-Compliant	Completed	Data Not Compromised
G	ALPHA	L0604251	03/29/06	Soil Gas	No	No	N/A	NON-CAM	Completed	Data Not Compromised

ES&M LAB RESULTS QUALITY REVIEW

Site: DND Lewis Chemical

Lab: Alpha Analytical Laboratories

Lab ID:

L0604251

Job #: 2006-056

Sample Collection Date:

3/29/2006

Were sampling and analytical methods requirements met?

Correct containers used?

n/a

Preservation requirements met?

n/a

Holding time requirements met?

n/a

Correct # of dupes, matrix spikes and matrix spike dupes, trip blanks (based on number of samples)?

n/a

Field Dup(s) vs. Environmental Sample:

RPD <51%?

****RPD Calc:** 100*(diff btwn sample & dup)/(average of sample & dup)

Were the following analytical precision and accuracy requirements met?

Detection Limits

n/a

Reporting Limits

n/a

Action Limits

n/a

Review lab QC reports and project narrative.

Samples were analyzed for organic compounds in air by EPA TO-14A, which is not a CAM Method. A narrative report is included with the lab report.

Describe Non-Conformances

1. The WG235584-1 LCS has a low % recovery for trans-1,3-dichloropropene and a high % recovery for 1,1,2,2-tetrachloroethane.
2. The WG235584-4 LCS has a high % recovery for 1,2-dichloropropane.
3. All six samples have elevated limits of detection due to the dilutions required by the elevated concentrations of target compounds in the samples.

Observations?

All notes were reviewed and do not indicate compromised data.

Analytes detected in soil gas are consistent with those found in groundwater at the site.

ALPHA ANALYTICAL LABORATORIES

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Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: Environmental Strategies & Mgmt., In **Laboratory Job Number:** L0604251

Address: 184 West Main Street

Norton, MA 02766

Date Received: 30-MAR-2006

Attn: Mr. Thomas Sylvia

Date Reported: 11-APR-2006

Project Number: 2006-056

Delivery Method: Alpha

Site: DND LEWIS

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0604251-01	SG-01	HYDE PARK, MA
L0604251-02	SG-02	HYDE PARK, MA
L0604251-03	SG-03	HYDE PARK, MA
L0604251-04	SG-04	HYDE PARK, MA
L0604251-05	SG-05	HYDE PARK, MA
L0604251-06	SG-06	HYDE PARK, MA

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

Authorized by: 
Technical Director

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0604251

TO14

Volatile Organic Compounds in Air

In order to comply with various regulatory requirements, the results for the analysis of Organic Compounds in Air by EPA TO-14A or TO-15 are provided in ug/m3 as well as ppbv for each sample in a sequential format.

The following samples have elevated limits of detection due to the dilutions required by the elevated concentrations of target compounds in the samples:

L0604251-01 (790X)

L0604251-02 (3,000X)

L0604251-03 (3,500X)

L0604251-04 (3,600X)

L0604251-05 (3,300X)

L0604251-06 (3,400X)

The WG235584-1 LCS has a low % recovery for trans-1,3-dichloropropene, and a high % recovery for 1,1,2,2-tetrachloroethane.

The WG235584-4 LCS has a high % recovery for 1,2-dichloropropane.

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0604251-01

Date Collected: 29-MAR-2006 15:18

SG-01

Date Received : 30-MAR-2006

Sample Matrix: SOIL VAPOR

Date Reported : 11-APR-2006

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Can

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organic Compounds in Air - ug/m3				48 TO-14A	0401 12:24 PS		
1,1,1-Trichloroethane	61600	ug/m3	2140				
1,1,2,2-Tetrachloroethane	ND	ug/m3	2700				
1,1,2-Trichloroethane	ND	ug/m3	2140				
1,1-Dichloroethane	4820	ug/m3	1590				
1,1-Dichloroethene	ND	ug/m3	1560				
1,2,4-Trichlorobenzene	ND	ug/m3	2920				
1,2,4-Trimethylbenzene	2360	ug/m3	1930				
1,2-Dibromoethane	ND	ug/m3	3020				
1,2-Dichlorobenzene	ND	ug/m3	2360				
1,2-Dichloroethane	ND	ug/m3	1590				
1,2-Dichloropropane	ND	ug/m3	1820				
1,3,5-Trimethylbenzene	ND	ug/m3	1930				
1,3-Dichlorobenzene	ND	ug/m3	2360				
1,4-Dichlorobenzene	ND	ug/m3	2360				
Benzene	ND	ug/m3	1260				
Benzyl chloride	ND	ug/m3	2030				
Bromomethane	ND	ug/m3	1530				
Carbon tetrachloride	ND	ug/m3	2470				
Chlorobenzene	ND	ug/m3	1810				
Chloroethane	ND	ug/m3	1040				
Chloroform	ND	ug/m3	1920				
Chloromethane	ND	ug/m3	812.				
cis-1,2-Dichloroethene	43900	ug/m3	1560				
cis-1,3-Dichloropropene	ND	ug/m3	1780				
Dichlorodifluoromethane	ND	ug/m3	3890				
Ethylbenzene	ND	ug/m3	1710				
1,1,2-Trichloro-1,2,2-Trifluor oethane	3070	ug/m3	3010				
1,2-Dichloro-1,1,2,2-tetrafluor oethane	ND	ug/m3	2750				
Hexachlorobutadiene	ND	ug/m3	4190				
Methylene chloride	6280	ug/m3	2730				
p/m-Xylene	ND	ug/m3	3410				
o-Xylene	ND	ug/m3	1710				
Styrene	ND	ug/m3	1670				
Tetrachloroethene	157000	ug/m3	2660				
Toluene	ND	ug/m3	1480				
trans-1,2-Dichloroethene	1970	ug/m3	1560				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0604251-01
SG-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organic Compounds in Air - ug/m3 cont'd				48 TO-14A		0401 12:24	PS
trans-1,3-Dichloropropene	ND	ug/m3	1780				
Trichloroethene	50600	ug/m3	2110				
Trichlorofluoromethane	ND	ug/m3	2210				
Vinyl chloride	ND	ug/m3	1000				
Volatile Organic Compounds in Air - ppbV				48 TO-14A		0401 12:24	PS
1,1,1-Trichloroethane	11300	ppbV	393.				
1,1,2,2-Tetrachloroethane	ND	ppbV	393.				
1,1,2-Trichloroethane	ND	ppbV	393.				
1,1-Dichloroethane	1190	ppbV	393.				
1,1-Dichloroethene	ND	ppbV	393.				
1,2,4-Trichlorobenzene	ND	ppbV	393.				
1,2,4-Trimethylbenzene	481	ppbV	393.				
1,2-Dibromoethane	ND	ppbV	393.				
1,2-Dichlorobenzene	ND	ppbV	393.				
1,2-Dichloroethane	ND	ppbV	393.				
1,2-Dichloropropane	ND	ppbV	393.				
1,3,5-Trimethylbenzene	ND	ppbV	393.				
1,3-Dichlorobenzene	ND	ppbV	393.				
1,4-Dichlorobenzene	ND	ppbV	393.				
Benzene	ND	ppbV	393.				
Benzyl chloride	ND	ppbV	393.				
Bromomethane	ND	ppbV	393.				
Carbon tetrachloride	ND	ppbV	393.				
Chlorobenzene	ND	ppbV	393.				
Chloroethane	ND	ppbV	393.				
Chloroform	ND	ppbV	393.				
Chloromethane	ND	ppbV	393.				
cis-1,2-Dichloroethene	11100	ppbV	393.				
cis-1,3-Dichloropropene	ND	ppbV	393.				
Dichlorodifluoromethane	ND	ppbV	787.				
Ethylbenzene	ND	ppbV	393.				
1,1,2-Trichloro-1,2,2-Trifluor oethane	401	ppbV	393.				
1,2-Dichloro-1,1,2,2-tetraflu roethane	ND	ppbV	393.				
Hexachlorobutadiene	ND	ppbV	393.				
Methylene chloride	1810	ppbV	787.				
p/m-Xylene	ND	ppbV	787.				
o-Xylene	ND	ppbV	393.				
Styrene	ND	ppbV	393.				
Tetrachloroethene	23200	ppbV	393.				
Toluene	ND	ppbV	393.				
trans-1,2-Dichloroethene	496	ppbV	393.				
trans-1,3-Dichloropropene	ND	ppbV	393.				
Trichloroethene	9430	ppbV	393.				
Trichlorofluoromethane	ND	ppbV	393.				
Vinyl chloride	ND	ppbV	393.				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0604251-02

Date Collected: 29-MAR-2006 15:20

SG-02

Date Received : 30-MAR-2006

Sample Matrix: SOIL VAPOR

Date Reported : 11-APR-2006

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Can

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organic Compounds in Air - ug/m3				48 TD-14A	0401 13:04 PS		
1,1,1-Trichloroethane	1480000	ug/m3	8290				
1,1,2,2-Tetrachloroethane	ND	ug/m3	10400				
1,1,2-Trichloroethane	ND	ug/m3	8290				
1,1-Dichloroethane	26100	ug/m3	6150				
1,1-Dichloroethene	8040	ug/m3	6020				
1,2,4-Trichlorobenzene	ND	ug/m3	11300				
1,2,4-Trimethylbenzene	ND	ug/m3	7470				
1,2-Dibromoethane	ND	ug/m3	11700				
1,2-Dichlorobenzene	ND	ug/m3	9140				
1,2-Dichloroethane	ND	ug/m3	6150				
1,2-Dichloropropane	ND	ug/m3	7020				
1,3,5-Trimethylbenzene	ND	ug/m3	7470				
1,3-Dichlorobenzene	ND	ug/m3	9140				
1,4-Dichlorobenzene	ND	ug/m3	9140				
Benzene	ND	ug/m3	4850				
Benzyl chloride	ND	ug/m3	7870				
Bromomethane	ND	ug/m3	5900				
Carbon tetrachloride	ND	ug/m3	9560				
Chlorobenzene	ND	ug/m3	6990				
Chloroethane	ND	ug/m3	4010				
Chloroform	ND	ug/m3	7420				
Chloromethane	ND	ug/m3	3140				
cis-1,2-Dichloroethene	1430000	ug/m3	6020				
cis-1,3-Dichloropropene	ND	ug/m3	6900				
Dichlorodifluoromethane	ND	ug/m3	15000				
Ethylbenzene	ND	ug/m3	6600				
1,1,2-Trichloro-1,2,2-Trifluor oethane	16200	ug/m3	11600				
1,2-Dichloro-1,1,2,2-tetrafluor oethane	ND	ug/m3	10600				
Hexachlorobutadiene	ND	ug/m3	16200				
Methylene chloride	15600	ug/m3	10600				
p/m-Xylene	ND	ug/m3	13200				
o-Xylene	ND	ug/m3	6600				
Styrene	ND	ug/m3	6470				
Tetrachloroethene	1920000	ug/m3	10300				
Toluene	ND	ug/m3	5730				
trans-1,2-Dichloroethene	21200	ug/m3	6020				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0604251-02
SG-02

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organic Compounds in Air - ug/m3 cont'd				48 TO-14A		0401 13:04 PS	
trans-1,3-Dichloropropene	ND	ug/m3	6900				
Trichloroethene	201000	ug/m3	8160				
Trichlorofluoromethane	ND	ug/m3	8540				
Vinyl chloride	29000	ug/m3	3880				
Volatile Organic Compounds in Air - ppbV				48 TO-14A		0401 13:04 PS	
1,1,1-Trichloroethane	272000	ppbV	1520				
1,1,2,2-Tetrachloroethane	ND	ppbV	1520				
1,1,2-Trichloroethane	ND	ppbV	1520				
1,1-Dichloroethane	6460	ppbV	1520				
1,1-Dichloroethene	2030	ppbV	1520				
1,2,4-Trichlorobenzene	ND	ppbV	1520				
1,2,4-Trimethylbenzene	ND	ppbV	1520				
1,2-Dibromoethane	ND	ppbV	1520				
1,2-Dichlorobenzene	ND	ppbV	1520				
1,2-Dichloroethane	ND	ppbV	1520				
1,2-Dichloropropane	ND	ppbV	1520				
1,3,5-Trimethylbenzene	ND	ppbV	1520				
1,3-Dichlorobenzene	ND	ppbV	1520				
1,4-Dichlorobenzene	ND	ppbV	1520				
Benzene	ND	ppbV	1520				
Benzyl chloride	ND	ppbV	1520				
Bromomethane	ND	ppbV	1520				
Carbon tetrachloride	ND	ppbV	1520				
Chlorobenzene	ND	ppbV	1520				
Chloroethane	ND	ppbV	1520				
Chloroform	ND	ppbV	1520				
Chloromethane	ND	ppbV	1520				
cis-1,2-Dichloroethene	361000	ppbV	1520				
cis-1,3-Dichloropropene	ND	ppbV	1520				
Dichlorodifluoromethane	ND	ppbV	3040				
Ethylbenzene	ND	ppbV	1520				
1,1,2-Trichloro-1,2,2-Trifluor oethane	2120	ppbV	1520				
1,2-Dichloro-1,1,2,2-tetrafluo roethane	ND	ppbV	1520				
Hexachlorobutadiene	ND	ppbV	1520				
Methylene chloride	4500	ppbV	3040				
p/m-Xylene	ND	ppbV	3040				
o-Xylene	ND	ppbV	1520				
Styrene	ND	ppbV	1520				
Tetrachloroethene	283000	ppbV	1520				
Toluene	ND	ppbV	1520				
trans-1,2-Dichloroethene	5350	ppbV	1520				
trans-1,3-Dichloropropene	ND	ppbV	1520				
Trichloroethene	37400	ppbV	1520				
Trichlorofluoromethane	ND	ppbV	1520				
Vinyl chloride	11300	ppbV	1520				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0604251-03

Date Collected: 29-MAR-2006 15:22

SG-03

Date Received : 30-MAR-2006

Sample Matrix: SOIL VAPOR

Date Reported : 11-APR-2006

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Can

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organic Compounds in Air - ug/m3				48 TO-14A	0411 10:27 PS		
1,1,1-Trichloroethane	294000	ug/m3	9500				
1,1,2,2-Tetrachloroethane	ND	ug/m3	12000				
1,1,2-Trichloroethane	ND	ug/m3	9500				
1,1-Dichloroethane	ND	ug/m3	7050				
1,1-Dichloroethene	ND	ug/m3	6910				
1,2,4-Trichlorobenzene	ND	ug/m3	12900				
1,2,4-Trimethylbenzene	ND	ug/m3	8560				
1,2-Dibromoethane	ND	ug/m3	13400				
1,2-Dichlorobenzene	ND	ug/m3	10500				
1,2-Dichloroethane	ND	ug/m3	7050				
1,2-Dichloropropane	ND	ug/m3	8050				
1,3,5-Trimethylbenzene	ND	ug/m3	8560				
1,3-Dichlorobenzene	ND	ug/m3	10500				
1,4-Dichlorobenzene	ND	ug/m3	10500				
Benzene	ND	ug/m3	5560				
Benzyl chloride	ND	ug/m3	9020				
Bromomethane	ND	ug/m3	6760				
Carbon tetrachloride	ND	ug/m3	11000				
Chlorobenzene	ND	ug/m3	8020				
Chloroethane	ND	ug/m3	4600				
Chloroform	ND	ug/m3	8500				
Chloromethane	ND	ug/m3	3600				
cis-1,2-Dichloroethene	15500	ug/m3	6910				
cis-1,3-Dichloropropene	ND	ug/m3	7910				
Dichlorodifluoromethane	ND	ug/m3	17200				
Ethylbenzene	ND	ug/m3	7560				
1,1,2-Trichloro-1,2,2-Trifluor oethane	39200	ug/m3	13300				
1,2-Dichloro-1,1,2,2-tetraflu roethane	ND	ug/m3	12200				
Hexachlorobutadiene	ND	ug/m3	18600				
Methylene chloride	ND	ug/m3	12100				
p/m-Xylene	ND	ug/m3	15100				
o-Xylene	ND	ug/m3	7560				
Styrene	ND	ug/m3	7420				
Tetrachloroethene	1150000	ug/m3	11800				
Toluene	ND	ug/m3	6560				
trans-1,2-Dichloroethene	ND	ug/m3	6910				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0604251-03
SG-03

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organic Compounds in Air - ug/m3 cont'd				48 TO-14A		0411 10:27	PS
trans-1,3-Dichloropropene	ND	ug/m3	7910				
Trichloroethene	360000	ug/m3	9360				
Trichlorofluoromethane	ND	ug/m3	9790				
Vinyl chloride	ND	ug/m3	4450				
Volatile Organic Compounds in Air - ppbV				48 TO-14A		0411 10:27	PS
1,1,1-Trichloroethane	54000	ppbV	1740				
1,1,2,2-Tetrachloroethane	ND	ppbV	1740				
1,1,2-Trichloroethane	ND	ppbV	1740				
1,1-Dichloroethane	ND	ppbV	1740				
1,1-Dichloroethene	ND	ppbV	1740				
1,2,4-Trichlorobenzene	ND	ppbV	1740				
1,2,4-Trimethylbenzene	ND	ppbV	1740				
1,2-Dibromoethane	ND	ppbV	1740				
1,2-Dichlorobenzene	ND	ppbV	1740				
1,2-Dichloroethane	ND	ppbV	1740				
1,2-Dichloropropane	ND	ppbV	1740				
1,3,5-Trimethylbenzene	ND	ppbV	1740				
1,3-Dichlorobenzene	ND	ppbV	1740				
1,4-Dichlorobenzene	ND	ppbV	1740				
Benzene	ND	ppbV	1740				
Benzyl chloride	ND	ppbV	1740				
Bromomethane	ND	ppbV	1740				
Carbon tetrachloride	ND	ppbV	1740				
Chlorobenzene	ND	ppbV	1740				
Chloroethane	ND	ppbV	1740				
Chloroform	ND	ppbV	1740				
Chloromethane	ND	ppbV	1740				
cis-1,2-Dichloroethene	3920	ppbV	1740				
cis-1,3-Dichloropropene	ND	ppbV	1740				
Dichlorodifluoromethane	ND	ppbV	3490				
Ethylbenzene	ND	ppbV	1740				
1,1,2-Trichloro-1,2,2-Trifluor oethane	5130	ppbV	1740				
1,2-Dichloro-1,1,2,2-tetraflu roethane	ND	ppbV	1740				
Hexachlorobutadiene	ND	ppbV	1740				
Methylene chloride	ND	ppbV	3490				
p/m-Xylene	ND	ppbV	3490				
o-Xylene	ND	ppbV	1740				
Styrene	ND	ppbV	1740				
Tetrachloroethene	169000	ppbV	1740				
Toluene	ND	ppbV	1740				
trans-1,2-Dichloroethene	ND	ppbV	1740				
trans-1,3-Dichloropropene	ND	ppbV	1740				
Trichloroethene	67100	ppbV	1740				
Trichlorofluoromethane	ND	ppbV	1740				
Vinyl chloride	ND	ppbV	1740				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0604251-04
SG-04
Sample Matrix: SOIL VAPOR

Date Collected: 29-MAR-2006 15:23
Date Received : 30-MAR-2006
Date Reported : 11-APR-2006

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Can

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organic Compounds in Air - ug/m3				48	TO-14A	0411 11:06 PS	
1,1,1-Trichloroethane	1440000	ug/m3	9780				
1,1,2,2-Tetrachloroethane	ND	ug/m3	12300				
1,1,2-Trichloroethane	ND	ug/m3	9780				
1,1-Dichloroethane	ND	ug/m3	7250				
1,1-Dichloroethene	8030	ug/m3	7100				
1,2,4-Trichlorobenzene	ND	ug/m3	13300				
1,2,4-Trimethylbenzene	ND	ug/m3	8810				
1,2-Dibromoethane	ND	ug/m3	13800				
1,2-Dichlorobenzene	ND	ug/m3	10800				
1,2-Dichloroethane	ND	ug/m3	7250				
1,2-Dichloropropane	ND	ug/m3	8280				
1,3,5-Trimethylbenzene	ND	ug/m3	8810				
1,3-Dichlorobenzene	ND	ug/m3	10800				
1,4-Dichlorobenzene	ND	ug/m3	10800				
Benzene	ND	ug/m3	5720				
Benzyl chloride	ND	ug/m3	9280				
Bromomethane	ND	ug/m3	6960				
Carbon tetrachloride	ND	ug/m3	11300				
Chlorobenzene	ND	ug/m3	8250				
Chloroethane	ND	ug/m3	4730				
Chloroform	ND	ug/m3	8750				
Chloromethane	ND	ug/m3	3700				
cis-1,2-Dichloroethene	812000	ug/m3	7100				
cis-1,3-Dichloropropene	ND	ug/m3	8130				
Dichlorodifluoromethane	ND	ug/m3	17700				
Ethylbenzene	11900	ug/m3	7780				
1,1,2-Trichloro-1,2,2-Trifluor oethane	284000	ug/m3	13700				
1,2-Dichloro-1,1,2,2-tetraflu roethane	ND	ug/m3	12500				
Hexachlorobutadiene	ND	ug/m3	19100				
Methylene chloride	25900	ug/m3	12400				
p/m-Xylene	19800	ug/m3	15600				
o-Xylene	15400	ug/m3	7780				
Styrene	ND	ug/m3	7630				
Tetrachloroethene	2360000	ug/m3	12200				
Toluene	80600	ug/m3	6750				
trans-1,2-Dichloroethene	ND	ug/m3	7100				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0604251-04
SG-04

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organic Compounds in Air - ug/m3 cont'd				48 TO-14A		0411 11:06 PS	
trans-1,3-Dichloropropene	ND	ug/m3	8130				
Trichloroethene	1320000	ug/m3	9630				
Trichlorofluoromethane	ND	ug/m3	10100				
Vinyl chloride	5860	ug/m3	4580				
Volatile Organic Compounds in Air - ppbV				48 TO-14A		0411 11:06 PS	
1,1,1-Trichloroethane	265000	ppbV	1790				
1,1,2,2-Tetrachloroethane	ND	ppbV	1790				
1,1,2-Trichloroethane	ND	ppbV	1790				
1,1-Dichloroethane	ND	ppbV	1790				
1,1-Dichloroethene	2030	ppbV	1790				
1,2,4-Trichlorobenzene	ND	ppbV	1790				
1,2,4-Trimethylbenzene	ND	ppbV	1790				
1,2-Dibromoethane	ND	ppbV	1790				
1,2-Dichlorobenzene	ND	ppbV	1790				
1,2-Dichloroethane	ND	ppbV	1790				
1,2-Dichloropropane	ND	ppbV	1790				
1,3,5-Trimethylbenzene	ND	ppbV	1790				
1,3-Dichlorobenzene	ND	ppbV	1790				
1,4-Dichlorobenzene	ND	ppbV	1790				
Benzene	ND	ppbV	1790				
Benzyl chloride	ND	ppbV	1790				
Bromomethane	ND	ppbV	1790				
Carbon tetrachloride	ND	ppbV	1790				
Chlorobenzene	ND	ppbV	1790				
Chloroethane	ND	ppbV	1790				
Chloroform	ND	ppbV	1790				
Chloromethane	ND	ppbV	1790				
cis-1,2-Dichloroethene	205000	ppbV	1790				
cis-1,3-Dichloropropene	ND	ppbV	1790				
Dichlorodifluoromethane	ND	ppbV	3590				
Ethylbenzene	2740	ppbV	1790				
1,1,2-Trichloro-1,2,2-Trifluor oethane	37100	ppbV	1790				
1,2-Dichloro-1,1,2,2-tetraflu roethane	ND	ppbV	1790				
Hexachlorobutadiene	ND	ppbV	1790				
Methylene chloride	7470	ppbV	3590				
p/m-Xylene	4550	ppbV	3590				
o-Xylene	3550	ppbV	1790				
Styrene	ND	ppbV	1790				
Tetrachloroethene	348000	ppbV	1790				
Toluene	21400	ppbV	1790				
trans-1,2-Dichloroethene	ND	ppbV	1790				
trans-1,3-Dichloropropene	ND	ppbV	1790				
Trichloroethene	246000	ppbV	1790				
Trichlorofluoromethane	ND	ppbV	1790				
Vinyl chloride	2300	ppbV	1790				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0604251-05

Date Collected: 29-MAR-2006 15:25

SG-05

Date Received : 30-MAR-2006

Sample Matrix: SOIL VAPOR

Date Reported : 11-APR-2006

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Can

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organic Compounds in Air - ug/m3				48 TO-14A	0411 11:44 PS		
1,1,1-Trichloroethane	1590000	ug/m3	9010				
1,1,2,2-Tetrachloroethane	ND	ug/m3	11300				
1,1,2-Trichloroethane	ND	ug/m3	9010				
1,1-Dichloroethane	22900	ug/m3	6690				
1,1-Dichloroethene	14200	ug/m3	6550				
1,2,4-Trichlorobenzene	ND	ug/m3	12300				
1,2,4-Trimethylbenzene	ND	ug/m3	8120				
1,2-Dibromoethane	ND	ug/m3	12700				
1,2-Dichlorobenzene	ND	ug/m3	9930				
1,2-Dichloroethane	ND	ug/m3	6690				
1,2-Dichloropropane	ND	ug/m3	7640				
1,3,5-Trimethylbenzene	ND	ug/m3	8120				
1,3-Dichlorobenzene	ND	ug/m3	9930				
1,4-Dichlorobenzene	ND	ug/m3	9930				
Benzene	ND	ug/m3	5280				
Benzyl chloride	ND	ug/m3	8550				
Bromomethane	ND	ug/m3	6420				
Carbon tetrachloride	ND	ug/m3	10400				
Chlorobenzene	ND	ug/m3	7600				
Chloroethane	ND	ug/m3	4360				
Chloroform	ND	ug/m3	8070				
Chloromethane	ND	ug/m3	3410				
cis-1,2-Dichloroethene	134000	ug/m3	6550				
cis-1,3-Dichloropropene	ND	ug/m3	7500				
Dichlorodifluoromethane	ND	ug/m3	16300				
Ethylbenzene	ND	ug/m3	7170				
1,1,2-Trichloro-1,2,2-Trifluor oethane	562000	ug/m3	12700				
1,2-Dichloro-1,1,2,2-tetraflu roethane	ND	ug/m3	11500				
Hexachlorobutadiene	ND	ug/m3	17600				
Methylene chloride	ND	ug/m3	11500				
p/m-Xylene	ND	ug/m3	14300				
o-Xylene	ND	ug/m3	7170				
Styrene	ND	ug/m3	7040				
Tetrachloroethene	1300000	ug/m3	11200				
Toluene	ND	ug/m3	6230				
trans-1,2-Dichloroethene	ND	ug/m3	6550				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0604251-05
SG-05

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organic Compounds in Air - ug/m3 cont'd				48 TO-14A			0411 11:44 PS
trans-1,3-Dichloropropene	ND	ug/m3	7500				
Trichloroethene	1720000	ug/m3	8880				
Trichlorofluoromethane	ND	ug/m3	9280				
Vinyl chloride	ND	ug/m3	4220				
Volatile Organic Compounds in Air - ppbV				48 TO-14A			0411 11:44 PS
1,1,1-Trichloroethane	292000	ppbV	1650				
1,1,2,2-Tetrachloroethane	ND	ppbV	1650				
1,1,2-Trichloroethane	ND	ppbV	1650				
1,1-Dichloroethane	5660	ppbV	1650				
1,1-Dichloroethene	3590	ppbV	1650				
1,2,4-Trichlorobenzene	ND	ppbV	1650				
1,2,4-Trimethylbenzene	ND	ppbV	1650				
1,2-Dibromoethane	ND	ppbV	1650				
1,2-Dichlorobenzene	ND	ppbV	1650				
1,2-Dichloroethane	ND	ppbV	1650				
1,2-Dichloropropane	ND	ppbV	1650				
1,3,5-Trimethylbenzene	ND	ppbV	1650				
1,3-Dichlorobenzene	ND	ppbV	1650				
1,4-Dichlorobenzene	ND	ppbV	1650				
Benzene	ND	ppbV	1650				
Benzyl chloride	ND	ppbV	1650				
Bromomethane	ND	ppbV	1650				
Carbon tetrachloride	ND	ppbV	1650				
Chlorobenzene	ND	ppbV	1650				
Chloroethane	ND	ppbV	1650				
Chloroform	ND	ppbV	1650				
Chloromethane	ND	ppbV	1650				
cis-1,2-Dichloroethene	34000	ppbV	1650				
cis-1,3-Dichloropropene	ND	ppbV	1650				
Dichlorodifluoromethane	ND	ppbV	3310				
Ethylbenzene	ND	ppbV	1650				
1,1,2-Trichloro-1,2,2-Trifluoroethane	73400	ppbV	1650				
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ppbV	1650				
Hexachlorobutadiene	ND	ppbV	1650				
Methylene chloride	ND	ppbV	3310				
p/m-Xylene	ND	ppbV	3310				
o-Xylene	ND	ppbV	1650				
Styrene	ND	ppbV	1650				
Tetrachloroethene	192000	ppbV	1650				
Toluene	ND	ppbV	1650				
trans-1,2-Dichloroethene	ND	ppbV	1650				
trans-1,3-Dichloropropene	ND	ppbV	1650				
Trichloroethene	320000	ppbV	1650				
Trichlorofluoromethane	ND	ppbV	1650				
Vinyl chloride	ND	ppbV	1650				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0604251-06
SG-06
Sample Matrix: SOIL VAPOR

Date Collected: 29-MAR-2006 15:26
Date Received : 30-MAR-2006
Date Reported : 11-APR-2006

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Can

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organic Compounds in Air - ug/m3				48 TO-14A	0411 12:22 PS		
1,1,1-Trichloroethane	1930000	ug/m3	9360				
1,1,2,2-Tetrachloroethane	ND	ug/m3	11800				
1,1,2-Trichloroethane	ND	ug/m3	9360				
1,1-Dichloroethane	32600	ug/m3	6940				
1,1-Dichloroethene	79200	ug/m3	6800				
1,2,4-Trichlorobenzene	ND	ug/m3	12700				
1,2,4-Trimethylbenzene	ND	ug/m3	8430				
1,2-Dibromoethane	ND	ug/m3	13200				
1,2-Dichlorobenzene	ND	ug/m3	10300				
1,2-Dichloroethane	21500	ug/m3	6940				
1,2-Dichloropropane	ND	ug/m3	7930				
1,3,5-Trimethylbenzene	ND	ug/m3	8430				
1,3-Dichlorobenzene	ND	ug/m3	10300				
1,4-Dichlorobenzene	ND	ug/m3	10300				
Benzene	ND	ug/m3	5480				
Benzyl chloride	ND	ug/m3	8880				
Bromomethane	ND	ug/m3	6660				
Carbon tetrachloride	ND	ug/m3	10800				
Chlorobenzene	ND	ug/m3	7900				
Chloroethane	ND	ug/m3	4530				
Chloroform	ND	ug/m3	8380				
Chloromethane	ND	ug/m3	3540				
cis-1,2-Dichloroethene	191000	ug/m3	6800				
cis-1,3-Dichloropropene	ND	ug/m3	7790				
Dichlorodifluoromethane	ND	ug/m3	17000				
Ethylbenzene	20400	ug/m3	7450				
1,1,2-Trichloro-1,2,2-Trifluor oethane	886000	ug/m3	13100				
1,2-Dichloro-1,1,2,2-tetrafluor oethane	ND	ug/m3	12000				
Hexachlorobutadiene	ND	ug/m3	18300				
Methylene chloride	23500	ug/m3	11900				
p/m-Xylene	49300	ug/m3	14900				
o-Xylene	71900	ug/m3	7450				
Styrene	ND	ug/m3	7310				
Tetrachloroethene	1080000	ug/m3	11600				
Toluene	46000	ug/m3	6460				
trans-1,2-Dichloroethene	ND	ug/m3	6800				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0604251-06
SG-06

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organic Compounds in Air - ug/m3 cont'd				48 TO-14A		0411 12:22 PS	
trans-1,3-Dichloropropene	ND	ug/m3	7790				
Trichloroethene	1730000	ug/m3	9220				
Trichlorofluoromethane	ND	ug/m3	9640				
Vinyl chloride	ND	ug/m3	4380				
Volatile Organic Compounds in Air - ppbV				48 TO-14A		0411 12:22 PS	
1,1,1-Trichloroethane	354000	ppbV	1720				
1,1,2,2-Tetrachloroethane	ND	ppbV	1720				
1,1,2-Trichloroethane	ND	ppbV	1720				
1,1-Dichloroethane	8050	ppbV	1720				
1,1-Dichloroethene	20000	ppbV	1720				
1,2,4-Trichlorobenzene	ND	ppbV	1720				
1,2,4-Trimethylbenzene	ND	ppbV	1720				
1,2-Dibromoethane	ND	ppbV	1720				
1,2-Dichlorobenzene	ND	ppbV	1720				
1,2-Dichloroethane	5310	ppbV	1720				
1,2-Dichloropropane	ND	ppbV	1720				
1,3,5-Trimethylbenzene	ND	ppbV	1720				
1,3-Dichlorobenzene	ND	ppbV	1720				
1,4-Dichlorobenzene	ND	ppbV	1720				
Benzene	ND	ppbV	1720				
Benzyl chloride	ND	ppbV	1720				
Bromomethane	ND	ppbV	1720				
Carbon tetrachloride	ND	ppbV	1720				
Chlorobenzene	ND	ppbV	1720				
Chloroethane	ND	ppbV	1720				
Chloroform	ND	ppbV	1720				
Chloromethane	ND	ppbV	1720				
cis-1,2-Dichloroethene	48300	ppbV	1720				
cis-1,3-Dichloropropene	ND	ppbV	1720				
Dichlorodifluoromethane	ND	ppbV	3430				
Ethylbenzene	4710	ppbV	1720				
1,1,2-Trichloro-1,2,2-Trifluor							
oethane	116000	ppbV	1720				
1,2-Dichloro-1,1,2,2-tetraflu							
roethane	ND	ppbV	1720				
Hexachlorobutadiene	ND	ppbV	1720				
Methylene chloride	6770	ppbV	3430				
p/m-Xylene	11400	ppbV	3430				
o-Xylene	16600	ppbV	1720				
Styrene	ND	ppbV	1720				
Tetrachloroethene	160000	ppbV	1720				
Toluene	12200	ppbV	1720				
trans-1,2-Dichloroethene	ND	ppbV	1720				
trans-1,3-Dichloropropene	ND	ppbV	1720				
Trichloroethene	323000	ppbV	1720				
Trichlorofluoromethane	ND	ppbV	1720				
Vinyl chloride	ND	ppbV	1720				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0604251

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Volatile Organic Compounds in Air for sample(s) 01-06 (L0604571-04, WG235584-2)					
1,1,1-Trichloroethane	1440	1410	ug/m3	2	25
1,1,2,2-Tetrachloroethane	ND	ND	ug/m3	NC	25
1,1,2-Trichloroethane	ND	ND	ug/m3	NC	25
1,1-Dichloroethane	51.5	48.5	ug/m3	6	25
1,1-Dichloroethene	367	362	ug/m3	1	25
1,2,4-Trichlorobenzene	ND	ND	ug/m3	NC	25
1,2,4-Trimethylbenzene	ND	ND	ug/m3	NC	25
1,2-Dibromoethane	ND	ND	ug/m3	NC	25
1,2-Dichlorobenzene	ND	ND	ug/m3	NC	25
1,2-Dichloroethane	ND	ND	ug/m3	NC	25
1,2-Dichloropropane	ND	ND	ug/m3	NC	25
1,3,5-Trimethylbenzene	ND	ND	ug/m3	NC	25
1,3-Dichlorobenzene	ND	ND	ug/m3	NC	25
1,4-Dichlorobenzene	ND	ND	ug/m3	NC	25
Benzene	ND	ND	ug/m3	NC	25
Benzyl chloride	ND	ND	ug/m3	NC	25
Bromomethane	ND	ND	ug/m3	NC	25
Carbon tetrachloride	ND	ND	ug/m3	NC	25
Chlorobenzene	ND	ND	ug/m3	NC	25
Chloroethane	ND	ND	ug/m3	NC	25
Chloroform	ND	ND	ug/m3	NC	25
Chloromethane	ND	ND	ug/m3	NC	25
cis-1,2-Dichloroethene	ND	ND	ug/m3	NC	25
cis-1,3-Dichloropropene	ND	ND	ug/m3	NC	25
Dichlorodifluoromethane	ND	ND	ug/m3	NC	25
Ethylbenzene	ND	ND	ug/m3	NC	25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ug/m3	NC	25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ug/m3	NC	25
Hexachlorobutadiene	ND	ND	ug/m3	NC	25
Methylene chloride	ND	ND	ug/m3	NC	25
p/m-Xylene	ND	ND	ug/m3	NC	25
o-Xylene	ND	ND	ug/m3	NC	25
Styrene	ND	ND	ug/m3	NC	25
Tetrachloroethene	ND	ND	ug/m3	NC	25
Toluene	ND	ND	ug/m3	NC	25
trans-1,2-Dichloroethene	ND	ND	ug/m3	NC	25
trans-1,3-Dichloropropene	ND	ND	ug/m3	NC	25
Trichloroethene	ND	ND	ug/m3	NC	25
Trichlorofluoromethane	ND	ND	ug/m3	NC	25
Vinyl chloride	ND	ND	ug/m3	NC	25

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0604251

Parameter	% Recovery	QC Criteria
Volatile Organic Compounds in Air LCS for sample(s) 03-06 (WG235584-1)		
1,1,1-Trichloroethane	77	70-130
1,1,2,2-Tetrachloroethane	133	70-130
1,1,2-Trichloroethane	101	70-130
1,1-Dichloroethane	71	70-130
1,1-Dichloroethene	83	70-130
1,2,4-Trichlorobenzene	85	70-130
1,2,4-Trimethylbenzene	110	70-130
1,2-Dibromoethane	108	70-130
1,2-Dichlorobenzene	101	70-130
1,2-Dichloroethane	85	70-130
1,2-Dichloropropane	98	70-130
1,3,5-Trimethylbenzene	109	70-130
1,3-Dichlorobenzene	116	70-130
1,4-Dichlorobenzene	111	70-130
Benzene	90	70-130
Benzyl chloride	101	70-130
Bromomethane	92	70-130
Carbon tetrachloride	76	70-130
Chlorobenzene	116	70-130
Chloroethane	88	70-130
Chloroform	105	70-130
Chloromethane	86	70-130
cis-1,2-Dichloroethene	84	70-130
cis-1,3-Dichloropropene	82	70-130
Dichlorodifluoromethane	85	70-130
Ethylbenzene	108	70-130
1,1,2-Trichloro-1,2,2-Trifluoroethane	91	70-130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	86	70-130
Hexachlorobutadiene	94	70-130
Methylene chloride	88	70-130
p/m-Xylene	114	70-130
o-Xylene	118	70-130
Styrene	100	70-130
Tetrachloroethene	95	70-130
Toluene	115	70-130
trans-1,2-Dichloroethene	72	70-130
trans-1,3-Dichloropropene	64	70-130
Trichloroethene	82	70-130
Trichlorofluoromethane	83	70-130
Vinyl chloride	82	70-130
Volatile Organic Compounds in Air LCS for sample(s) 01-02 (WG235584-4)		
1,1,1-Trichloroethane	123	70-130
1,1,2,2-Tetrachloroethane	92	70-130
1,1,2-Trichloroethane	126	70-130
1,1-Dichloroethane	99	70-130
1,1-Dichloroethene	97	70-130
1,2,4-Trichlorobenzene	81	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0604251

Continued

Parameter	% Recovery	QC Criteria
Volatile Organic Compounds in Air LCS for sample(s) 01-02 (WG235584-4)		
1,2,4-Trimethylbenzene	108	70-130
1,2-Dibromoethane	92	70-130
1,2-Dichlorobenzene	93	70-130
1,2-Dichloroethane	114	70-130
1,2-Dichloropropane	150	70-130
1,3,5-Trimethylbenzene	104	70-130
1,3-Dichlorobenzene	91	70-130
1,4-Dichlorobenzene	93	70-130
Benzene	123	70-130
Benzyl chloride	97	70-130
Bromomethane	70	70-130
Carbon tetrachloride	127	70-130
Chlorobenzene	95	70-130
Chloroethane	78	70-130
Chloroform	84	70-130
Chloromethane	108	70-130
cis-1,2-Dichloroethene	88	70-130
cis-1,3-Dichloropropene	112	70-130
Dichlorodifluoromethane	77	70-130
Ethylbenzene	92	70-130
1,1,2-Trichloro-1,2,2-Trifluoroethane	88	70-130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	74	70-130
Hexachlorobutadiene	93	70-130
Methylene chloride	129	70-130
p/m-Xylene	110	70-130
o-Xylene	103	70-130
Styrene	81	70-130
Tetrachloroethene	85	70-130
Toluene	100	70-130
trans-1,2-Dichloroethene	98	70-130
trans-1,3-Dichloropropene	94	70-130
Trichloroethene	119	70-130
Trichlorofluoromethane	83	70-130
Vinyl chloride	81	70-130

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0604251

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	ID ANAL
Blank Analysis for sample(s) 03-06 (WG235584-3)						
Volatile Organic Compounds in Air - ug/m3				48 TO-14A	0410 13:09 PS	
1,1,1-Trichloroethane	ND	ug/m3	2.72			
1,1,2,2-Tetrachloroethane	ND	ug/m3	3.43			
1,1,2-Trichloroethane	ND	ug/m3	2.72			
1,1-Dichloroethane	ND	ug/m3	2.02			
1,1-Dichloroethene	ND	ug/m3	1.98			
1,2,4-Trichlorobenzene	ND	ug/m3	3.71			
1,2,4-Trimethylbenzene	ND	ug/m3	2.46			
1,2-Dibromoethane	ND	ug/m3	3.84			
1,2-Dichlorobenzene	ND	ug/m3	3.00			
1,2-Dichloroethane	ND	ug/m3	2.02			
1,2-Dichloropropane	ND	ug/m3	2.31			
1,3,5-Trimethylbenzene	ND	ug/m3	2.46			
1,3-Dichlorobenzene	ND	ug/m3	3.00			
1,4-Dichlorobenzene	ND	ug/m3	3.00			
Benzene	ND	ug/m3	1.60			
Benzyl chloride	ND	ug/m3	2.59			
Bromomethane	ND	ug/m3	1.94			
Carbon tetrachloride	ND	ug/m3	3.14			
Chlorobenzene	ND	ug/m3	2.30			
Chloroethane	ND	ug/m3	1.32			
Chloroform	ND	ug/m3	2.44			
Chloromethane	ND	ug/m3	1.03			
cis-1,2-Dichloroethene	ND	ug/m3	1.98			
cis-1,3-Dichloropropene	ND	ug/m3	2.27			
Dichlorodifluoromethane	ND	ug/m3	4.94			
Ethylbenzene	ND	ug/m3	2.17			
1,1,2-Trichloro-1,2,2-Trifluor oethane	ND	ug/m3	3.83			
1,2-Dichloro-1,1,2,2-tetrafluor oethane	ND	ug/m3	3.49			
Hexachlorobutadiene	ND	ug/m3	5.33			
Methylene chloride	ND	ug/m3	3.47			
p/m-Xylene	ND	ug/m3	4.34			
o-Xylene	ND	ug/m3	2.17			
Styrene	ND	ug/m3	2.13			
Tetrachloroethene	ND	ug/m3	3.39			
Toluene	ND	ug/m3	1.88			
trans-1,2-Dichloroethene	ND	ug/m3	1.98			
trans-1,3-Dichloropropene	ND	ug/m3	2.27			
Trichloroethene	ND	ug/m3	2.68			
Trichlorofluoromethane	ND	ug/m3	2.81			
Vinyl chloride	ND	ug/m3	1.28			
Blank Analysis for sample(s) 03-06 (WG235584-3)						
Volatile Organic Compounds in Air - ppbV				48 TO-14A	0410 13:09 PS	
1,1,1-Trichloroethane	ND	ppbV	0.500			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0604251

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE	ID
					PREP	ANAL
Blank Analysis for sample(s) 03-06 (WG235584-3)						
Volatile Organic Compounds in Air - ppbV cont'd			48 TO-14A		0410 13:09 PS	
1,1,2,2-Tetrachloroethane	ND	ppbV	0.500			
1,1,2-Trichloroethane	ND	ppbV	0.500			
1,1-Dichloroethane	ND	ppbV	0.500			
1,1-Dichloroethene	ND	ppbV	0.500			
1,2,4-Trichlorobenzene	ND	ppbV	0.500			
1,2,4-Trimethylbenzene	ND	ppbV	0.500			
1,2-Dibromoethane	ND	ppbV	0.500			
1,2-Dichlorobenzene	ND	ppbV	0.500			
1,2-Dichloroethane	ND	ppbV	0.500			
1,2-Dichloropropane	ND	ppbV	0.500			
1,3,5-Trimethylbenzene	ND	ppbV	0.500			
1,3-Dichlorobenzene	ND	ppbV	0.500			
1,4-Dichlorobenzene	ND	ppbV	0.500			
Benzene	ND	ppbV	0.500			
Benzyl chloride	ND	ppbV	0.500			
Bromomethane	ND	ppbV	0.500			
Carbon tetrachloride	ND	ppbV	0.500			
Chlorobenzene	ND	ppbV	0.500			
Chloroethane	ND	ppbV	0.500			
Chloroform	ND	ppbV	0.500			
Chloromethane	ND	ppbV	0.500			
cis-1,2-Dichloroethene	ND	ppbV	0.500			
cis-1,3-Dichloropropene	ND	ppbV	0.500			
Dichlorodifluoromethane	ND	ppbV	1.00			
Ethylbenzene	ND	ppbV	0.500			
1,1,2-Trichloro-1,2,2-Trifluor oethane	ND	ppbV	0.500			
1,2-Dichloro-1,1,2,2-tetrafluor oethane	ND	ppbV	0.500			
Hexachlorobutadiene	ND	ppbV	0.500			
Methylene chloride	ND	ppbV	1.00			
p/m-Xylene	ND	ppbV	1.00			
o-Xylene	ND	ppbV	0.500			
Styrene	ND	ppbV	0.500			
Tetrachloroethene	ND	ppbV	0.500			
Toluene	ND	ppbV	0.500			
trans-1,2-Dichloroethene	ND	ppbV	0.500			
trans-1,3-Dichloropropene	ND	ppbV	0.500			
Trichloroethene	ND	ppbV	0.500			
Trichlorofluoromethane	ND	ppbV	0.500			
Vinyl chloride	ND	ppbV	0.500			
Blank Analysis for sample(s) 01-02 (WG235584-5)						
Volatile Organic Compounds in Air - ug/m3			48 TO-14A		0331 14:13 PS	
1,1,1-Trichloroethane	ND	ug/m3	2.72			
1,1,2,2-Tetrachloroethane	ND	ug/m3	3.43			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0604251

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 01-02 (WG235584-5)						
Volatile Organic Compounds in Air - ug/m3 cont'd				48 TO-14A	0331 14:13 PS	
1,1,2-Trichloroethane	ND	ug/m3	2.72			
1,1-Dichloroethane	ND	ug/m3	2.02			
1,1-Dichloroethene	ND	ug/m3	1.98			
1,2,4-Trichlorobenzene	ND	ug/m3	3.71			
1,2,4-Trimethylbenzene	ND	ug/m3	2.46			
1,2-Dibromoethane	ND	ug/m3	3.84			
1,2-Dichlorobenzene	ND	ug/m3	3.00			
1,2-Dichloroethane	ND	ug/m3	2.02			
1,2-Dichloropropane	ND	ug/m3	2.31			
1,3,5-Trimethylbenzene	ND	ug/m3	2.46			
1,3-Dichlorobenzene	ND	ug/m3	3.00			
1,4-Dichlorobenzene	ND	ug/m3	3.00			
Benzene	ND	ug/m3	1.60			
Benzyl chloride	ND	ug/m3	2.59			
Bromomethane	ND	ug/m3	1.94			
Carbon tetrachloride	ND	ug/m3	3.14			
Chlorobenzene	ND	ug/m3	2.30			
Chloroethane	ND	ug/m3	1.32			
Chloroform	ND	ug/m3	2.44			
Chloromethane	ND	ug/m3	1.03			
cis-1,2-Dichloroethene	ND	ug/m3	1.98			
cis-1,3-Dichloropropene	ND	ug/m3	2.27			
Dichlorodifluoromethane	ND	ug/m3	4.94			
Ethylbenzene	ND	ug/m3	2.17			
1,1,2-Trichloro-1,2,2-Trifluor oethane	ND	ug/m3	3.83			
1,2-Dichloro-1,1,2,2-tetrafluor oethane	ND	ug/m3	3.49			
Hexachlorobutadiene	ND	ug/m3	5.33			
Methylene chloride	ND	ug/m3	3.47			
p/m-Xylene	ND	ug/m3	4.34			
o-Xylene	ND	ug/m3	2.17			
Styrene	ND	ug/m3	2.13			
Tetrachloroethene	ND	ug/m3	3.39			
Toluene	ND	ug/m3	1.88			
trans-1,2-Dichloroethene	ND	ug/m3	1.98			
trans-1,3-Dichloropropene	ND	ug/m3	2.27			
Trichloroethene	ND	ug/m3	2.68			
Trichlorofluoromethane	ND	ug/m3	2.81			
Vinyl chloride	ND	ug/m3	1.28			
Blank Analysis for sample(s) 01-02 (WG235584-5)						
Volatile Organic Compounds in Air - ppbV				48 TO-14A	0331 14:13 PS	
1,1,1-Trichloroethane	ND	ppbV	0.500			
1,1,2,2-Tetrachloroethane	ND	ppbV	0.500			
1,1,2-Trichloroethane	ND	ppbV	0.500			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0604251

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01-02 (WG235584-5)							
Volatile Organic Compounds in Air - ppbV cont'd				48 TO-14A		0331 14:13 PS	
1,1-Dichloroethane	ND	ppbV	0.500				
1,1-Dichloroethene	ND	ppbV	0.500				
1,2,4-Trichlorobenzene	ND	ppbV	0.500				
1,2,4-Trimethylbenzene	ND	ppbV	0.500				
1,2-Dibromoethane	ND	ppbV	0.500				
1,2-Dichlorobenzene	ND	ppbV	0.500				
1,2-Dichloroethane	ND	ppbV	0.500				
1,2-Dichloropropane	ND	ppbV	0.500				
1,3,5-Trimethylbenzene	ND	ppbV	0.500				
1,3-Dichlorobenzene	ND	ppbV	0.500				
1,4-Dichlorobenzene	ND	ppbV	0.500				
Benzene	ND	ppbV	0.500				
Benzyl chloride	ND	ppbV	0.500				
Bromomethane	ND	ppbV	0.500				
Carbon tetrachloride	ND	ppbV	0.500				
Chlorobenzene	ND	ppbV	0.500				
Chloroethane	ND	ppbV	0.500				
Chloroform	ND	ppbV	0.500				
Chloromethane	ND	ppbV	0.500				
cis-1,2-Dichloroethene	ND	ppbV	0.500				
cis-1,3-Dichloropropene	ND	ppbV	0.500				
Dichlorodifluoromethane	ND	ppbV	1.00				
Ethylbenzene	ND	ppbV	0.500				
1,1,2-Trichloro-1,2,2-Trifluor oethane	ND	ppbV	0.500				
1,2-Dichloro-1,1,2,2-tetraflu roethane	ND	ppbV	0.500				
Hexachlorobutadiene	ND	ppbV	0.500				
Methylene chloride	ND	ppbV	1.00				
p/m-Xylene	ND	ppbV	1.00				
o-Xylene	ND	ppbV	0.500				
Styrene	ND	ppbV	0.500				
Tetrachloroethene	ND	ppbV	0.500				
Toluene	ND	ppbV	0.500				
trans-1,2-Dichloroethene	ND	ppbV	0.500				
trans-1,3-Dichloropropene	ND	ppbV	0.500				
Trichloroethene	ND	ppbV	0.500				
Trichlorofluoromethane	ND	ppbV	0.500				
Vinyl chloride	ND	ppbV	0.500				

ALPHA ANALYTICAL LABORATORIES
ADDENDUM I

REFERENCES

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

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.
ND Not detected in comparison to the reported detection limit.
NI Not Ignitable.
ug/cart Micrograms per Cartridge.

LIMITATION OF LIABILITIES

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

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