Appendix C
Analytical Laboratory Reports
(Provided on CD)

Appendix C
Clean Fill Confirmation Samples

ANALYTICAL REPORT

Lab Number:	L0712214
Client:	ERM-New England 399 Boylston Street 6th Floor Boston, MA 02116
ATTN:	Jason Flattery
Project Name:	NA SOIL EXCAVATION
Project Number:	0051545
Report Date:	08/27/07

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (200305), NJ (MA935), RI (LAO00065), ME (2006012), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: NA SOIL EXCAVATION
Project Number: 0051545

Lab Number: L0712214
Report Date: 08/27/07

Alpha Sample ID	Client ID	Sample Location
L0712214-01	CF-1-20070823-01	RAYTHEON-WAYLAND
L0712214-02	CF-2-20070823-01	RAYTHEON-WAYLAND
L0712214-03	CF-3-20070823-01	RAYTHEON-WAYLAND
L0712214-04	CF-4-20070823-01	RAYTHEON-WAYLAND
L0712214-05	CF-5-20070823-01	RAYTHEON-WAYLAND
L0712214-06	CF-6-20070823-01	RAYTHEON-WAYLAND

Project Name:	NA SOIL EXCAVATION	**Lab Number:**	L0712214
Project Number:	0051545	**Report Date:**	08/27/07

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A, B, C & D is required for "Presumptive Certainty" status		
A	Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set?	YES
B	Were all QA/QC procedures required for the specified analytical methods(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	YES
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	YES
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	N/A

A response to questions E and F is required for "Presumptive Certainty" status		
E	Were all QC performance standards and recommendations for the specified method(s) achieved?	NO
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	NO

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name:	NA SOIL EXCAVATION	**Lab Number:**	L0712214
Project Number:	0051545	**Report Date:**	08/27/07

Case Narrative

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

MCP Related Narratives

Report Submission

The results for the analysis of Volatile Organics by Method 8260B will be reported under a separate cover.

The analysis of Grain Size was performed at the Alpha Woods Hole Mansfield facility. The Grain Size results and test report from the Mansfield facility are included as an addendum.

Semivolatile Organics

In reference to question E:

The WG291639-2/-3 LCS/LCSD % recoveries for Aniline and 4-Chloroaniline and LCS % recovery for 3,3'-Dichlorobenzidine are below the individual acceptance criteria for the compounds, but within the overall method allowances.

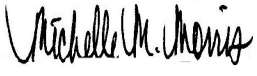
Metals

The WG291896-2/-3 LCS/LCSD were not prepared using the SRM solid matrix as requested. The in-house standard spiking solution was utilized.

In reference to question F:

At the client's request, all submitted samples were not analyzed for the full MCP list of compounds specified for the method.

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

Authorized Signature: 

Title: Technical Director/Representative Date: 08/27/07

ORGANICS

SEMIVOLATILES

Project Name: NA SOIL EXCAVATION **Lab Number:** L0712214

Project Number: 0051545 **Report Date:** 08/27/07

SAMPLE RESULTS

Lab ID:	L0712214-01	Date Collected:	08/23/07 09:15
Client ID:	CF-1-20070823-01	Date Received:	08/23/07
Sample Location:	RAYTHEON-WAYLAND	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Anaytical Method:	64,8270C	Extraction Date:	08/23/07 15:00
Analytical Date:	08/24/07 14:24		
Analyst:	AK		
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by MCP 8270C					
Acenaphthene	ND		ug/kg	350	1
1,2,4-Trichlorobenzene	ND		ug/kg	350	1
Hexachlorobenzene	ND		ug/kg	350	1
Bis(2-chloroethyl)ether	ND		ug/kg	350	1
2-Chloronaphthalene	ND		ug/kg	350	1
1,2-Dichlorobenzene	ND		ug/kg	350	1
1,3-Dichlorobenzene	ND		ug/kg	350	1
1,4-Dichlorobenzene	ND		ug/kg	350	1
3,3'-Dichlorobenzidine	ND		ug/kg	700	1
2,4-Dinitrotoluene	ND		ug/kg	350	1
2,6-Dinitrotoluene	ND		ug/kg	350	1
Azobenzene	ND		ug/kg	350	1
Fluoranthene	ND		ug/kg	350	1
4-Bromophenyl phenyl ether	ND		ug/kg	350	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	350	1
Bis(2-chloroethoxy)methane	ND		ug/kg	350	1
Hexachlorobutadiene	ND		ug/kg	700	1
Hexachloroethane	ND		ug/kg	350	1
Isophorone	ND		ug/kg	350	1
Naphthalene	ND		ug/kg	350	1
Nitrobenzene	ND		ug/kg	350	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	700	1
Butyl benzyl phthalate	ND		ug/kg	350	1
Di-n-butylphthalate	ND		ug/kg	350	1
Di-n-octylphthalate	ND		ug/kg	350	1
Diethyl phthalate	ND		ug/kg	350	1
Dimethyl phthalate	ND		ug/kg	350	1
Benzo(a)anthracene	ND		ug/kg	350	1
Benzo(a)pyrene	ND		ug/kg	350	1
Benzo(b)fluoranthene	ND		ug/kg	350	1

Project Name: NA SOIL EXCAVATION **Lab Number:** L0712214

Project Number: 0051545 **Report Date:** 08/27/07

SAMPLE RESULTS

Lab ID: L0712214-01 Date Collected: 08/23/07 09:15

Client ID: CF-1-20070823-01 Date Received: 08/23/07

Sample Location: RAYTHEON-WAYLAND Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by MCP 8270C					
Benzo(k)fluoranthene	ND		ug/kg	350	1
Chrysene	ND		ug/kg	350	1
Acenaphthylene	ND		ug/kg	350	1
Anthracene	ND		ug/kg	350	1
Benzo(ghi)perylene	ND		ug/kg	350	1
Fluorene	ND		ug/kg	350	1
Phenanthrene	ND		ug/kg	350	1
Dibenzo(a,h)anthracene	ND		ug/kg	350	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	350	1
Pyrene	ND		ug/kg	350	1
Aniline	ND		ug/kg	700	1
4-Chloroaniline	ND		ug/kg	350	1
Dibenzofuran	ND		ug/kg	350	1
2-Methylnaphthalene	ND		ug/kg	350	1
Acetophenone	ND		ug/kg	1400	1
2,4,6-Trichlorophenol	ND		ug/kg	350	1
2-Chlorophenol	ND		ug/kg	420	1
2,4-Dichlorophenol	ND		ug/kg	700	1
2,4-Dimethylphenol	ND		ug/kg	350	1
2-Nitrophenol	ND		ug/kg	1400	1
4-Nitrophenol	ND		ug/kg	700	1
2,4-Dinitrophenol	ND		ug/kg	1400	1
Pentachlorophenol	ND		ug/kg	1400	1
Phenol	ND		ug/kg	490	1
2-Methylphenol	ND		ug/kg	420	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	420	1
2,4,5-Trichlorophenol	ND		ug/kg	350	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		30-130
Phenol-d6	72		30-130
Nitrobenzene-d5	64		30-130
2-Fluorobiphenyl	53		30-130
2,4,6-Tribromophenol	60		30-130
4-Terphenyl-d14	92		30-130

Project Name: NA SOIL EXCAVATION **Lab Number:** L0712214

Project Number: 0051545 **Report Date:** 08/27/07

SAMPLE RESULTS

Lab ID:	L0712214-02	Date Collected:	08/23/07 09:20
Client ID:	CF-2-20070823-01	Date Received:	08/23/07
Sample Location:	RAYTHEON-WAYLAND	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Anaytical Method:	64,8270C	Extraction Date:	08/23/07 15:00
Analytical Date:	08/24/07 14:46		
Analyst:	AK		
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by MCP 8270C					
Acenaphthene	ND		ug/kg	350	1
1,2,4-Trichlorobenzene	ND		ug/kg	350	1
Hexachlorobenzene	ND		ug/kg	350	1
Bis(2-chloroethyl)ether	ND		ug/kg	350	1
2-Chloronaphthalene	ND		ug/kg	350	1
1,2-Dichlorobenzene	ND		ug/kg	350	1
1,3-Dichlorobenzene	ND		ug/kg	350	1
1,4-Dichlorobenzene	ND		ug/kg	350	1
3,3'-Dichlorobenzidine	ND		ug/kg	700	1
2,4-Dinitrotoluene	ND		ug/kg	350	1
2,6-Dinitrotoluene	ND		ug/kg	350	1
Azobenzene	ND		ug/kg	350	1
Fluoranthene	ND		ug/kg	350	1
4-Bromophenyl phenyl ether	ND		ug/kg	350	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	350	1
Bis(2-chloroethoxy)methane	ND		ug/kg	350	1
Hexachlorobutadiene	ND		ug/kg	700	1
Hexachloroethane	ND		ug/kg	350	1
Isophorone	ND		ug/kg	350	1
Naphthalene	ND		ug/kg	350	1
Nitrobenzene	ND		ug/kg	350	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	700	1
Butyl benzyl phthalate	ND		ug/kg	350	1
Di-n-butylphthalate	ND		ug/kg	350	1
Di-n-octylphthalate	ND		ug/kg	350	1
Diethyl phthalate	ND		ug/kg	350	1
Dimethyl phthalate	ND		ug/kg	350	1
Benzo(a)anthracene	ND		ug/kg	350	1
Benzo(a)pyrene	ND		ug/kg	350	1
Benzo(b)fluoranthene	ND		ug/kg	350	1

Project Name: NA SOIL EXCAVATION **Lab Number:** L0712214

Project Number: 0051545 **Report Date:** 08/27/07

SAMPLE RESULTS

Lab ID: L0712214-02 Date Collected: 08/23/07 09:20

Client ID: CF-2-20070823-01 Date Received: 08/23/07

Sample Location: RAYTHEON-WAYLAND Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by MCP 8270C					
Benzo(k)fluoranthene	ND		ug/kg	350	1
Chrysene	ND		ug/kg	350	1
Acenaphthylene	ND		ug/kg	350	1
Anthracene	ND		ug/kg	350	1
Benzo(ghi)perylene	ND		ug/kg	350	1
Fluorene	ND		ug/kg	350	1
Phenanthrene	ND		ug/kg	350	1
Dibenzo(a,h)anthracene	ND		ug/kg	350	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	350	1
Pyrene	ND		ug/kg	350	1
Aniline	ND		ug/kg	700	1
4-Chloroaniline	ND		ug/kg	350	1
Dibenzofuran	ND		ug/kg	350	1
2-Methylnaphthalene	ND		ug/kg	350	1
Acetophenone	ND		ug/kg	1400	1
2,4,6-Trichlorophenol	ND		ug/kg	350	1
2-Chlorophenol	ND		ug/kg	420	1
2,4-Dichlorophenol	ND		ug/kg	700	1
2,4-Dimethylphenol	ND		ug/kg	350	1
2-Nitrophenol	ND		ug/kg	1400	1
4-Nitrophenol	ND		ug/kg	700	1
2,4-Dinitrophenol	ND		ug/kg	1400	1
Pentachlorophenol	ND		ug/kg	1400	1
Phenol	ND		ug/kg	490	1
2-Methylphenol	ND		ug/kg	420	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	420	1
2,4,5-Trichlorophenol	ND		ug/kg	350	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		30-130
Phenol-d6	83		30-130
Nitrobenzene-d5	69		30-130
2-Fluorobiphenyl	61		30-130
2,4,6-Tribromophenol	62		30-130
4-Terphenyl-d14	86		30-130

Project Name: NA SOIL EXCAVATION **Lab Number:** L0712214

Project Number: 0051545 **Report Date:** 08/27/07

SAMPLE RESULTS

Lab ID:	L0712214-03	Date Collected:	08/23/07 09:25
Client ID:	CF-3-20070823-01	Date Received:	08/23/07
Sample Location:	RAYTHEON-WAYLAND	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Anaytical Method:	64,8270C	Extraction Date:	08/23/07 15:00
Analytical Date:	08/24/07 15:09		
Analyst:	AK		
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by MCP 8270C					
Acenaphthene	ND		ug/kg	350	1
1,2,4-Trichlorobenzene	ND		ug/kg	350	1
Hexachlorobenzene	ND		ug/kg	350	1
Bis(2-chloroethyl)ether	ND		ug/kg	350	1
2-Chloronaphthalene	ND		ug/kg	350	1
1,2-Dichlorobenzene	ND		ug/kg	350	1
1,3-Dichlorobenzene	ND		ug/kg	350	1
1,4-Dichlorobenzene	ND		ug/kg	350	1
3,3'-Dichlorobenzidine	ND		ug/kg	710	1
2,4-Dinitrotoluene	ND		ug/kg	350	1
2,6-Dinitrotoluene	ND		ug/kg	350	1
Azobenzene	ND		ug/kg	350	1
Fluoranthene	ND		ug/kg	350	1
4-Bromophenyl phenyl ether	ND		ug/kg	350	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	350	1
Bis(2-chloroethoxy)methane	ND		ug/kg	350	1
Hexachlorobutadiene	ND		ug/kg	710	1
Hexachloroethane	ND		ug/kg	350	1
Isophorone	ND		ug/kg	350	1
Naphthalene	ND		ug/kg	350	1
Nitrobenzene	ND		ug/kg	350	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	710	1
Butyl benzyl phthalate	ND		ug/kg	350	1
Di-n-butylphthalate	ND		ug/kg	350	1
Di-n-octylphthalate	ND		ug/kg	350	1
Diethyl phthalate	ND		ug/kg	350	1
Dimethyl phthalate	ND		ug/kg	350	1
Benzo(a)anthracene	ND		ug/kg	350	1
Benzo(a)pyrene	ND		ug/kg	350	1
Benzo(b)fluoranthene	ND		ug/kg	350	1

Project Name: NA SOIL EXCAVATION **Lab Number:** L0712214

Project Number: 0051545 **Report Date:** 08/27/07

SAMPLE RESULTS

Lab ID: L0712214-03 Date Collected: 08/23/07 09:25

Client ID: CF-3-20070823-01 Date Received: 08/23/07

Sample Location: RAYTHEON-WAYLAND Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by MCP 8270C					
Benzo(k)fluoranthene	ND		ug/kg	350	1
Chrysene	ND		ug/kg	350	1
Acenaphthylene	ND		ug/kg	350	1
Anthracene	ND		ug/kg	350	1
Benzo(ghi)perylene	ND		ug/kg	350	1
Fluorene	ND		ug/kg	350	1
Phenanthrene	ND		ug/kg	350	1
Dibenzo(a,h)anthracene	ND		ug/kg	350	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	350	1
Pyrene	ND		ug/kg	350	1
Aniline	ND		ug/kg	710	1
4-Chloroaniline	ND		ug/kg	350	1
Dibenzofuran	ND		ug/kg	350	1
2-Methylnaphthalene	ND		ug/kg	350	1
Acetophenone	ND		ug/kg	1400	1
2,4,6-Trichlorophenol	ND		ug/kg	350	1
2-Chlorophenol	ND		ug/kg	420	1
2,4-Dichlorophenol	ND		ug/kg	710	1
2,4-Dimethylphenol	ND		ug/kg	350	1
2-Nitrophenol	ND		ug/kg	1400	1
4-Nitrophenol	ND		ug/kg	710	1
2,4-Dinitrophenol	ND		ug/kg	1400	1
Pentachlorophenol	ND		ug/kg	1400	1
Phenol	ND		ug/kg	500	1
2-Methylphenol	ND		ug/kg	420	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	420	1
2,4,5-Trichlorophenol	ND		ug/kg	350	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		30-130
Phenol-d6	64		30-130
Nitrobenzene-d5	55		30-130
2-Fluorobiphenyl	50		30-130
2,4,6-Tribromophenol	62		30-130
4-Terphenyl-d14	87		30-130

Project Name: NA SOIL EXCAVATION **Lab Number:** L0712214

Project Number: 0051545 **Report Date:** 08/27/07

SAMPLE RESULTS

Lab ID:	L0712214-04	Date Collected:	08/23/07 09:30
Client ID:	CF-4-20070823-01	Date Received:	08/23/07
Sample Location:	RAYTHEON-WAYLAND	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Anaytical Method:	64,8270C	Extraction Date:	08/23/07 15:00
Analytical Date:	08/24/07 15:32		
Analyst:	AK		
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by MCP 8270C					
Acenaphthene	ND		ug/kg	350	1
1,2,4-Trichlorobenzene	ND		ug/kg	350	1
Hexachlorobenzene	ND		ug/kg	350	1
Bis(2-chloroethyl)ether	ND		ug/kg	350	1
2-Chloronaphthalene	ND		ug/kg	350	1
1,2-Dichlorobenzene	ND		ug/kg	350	1
1,3-Dichlorobenzene	ND		ug/kg	350	1
1,4-Dichlorobenzene	ND		ug/kg	350	1
3,3'-Dichlorobenzidine	ND		ug/kg	700	1
2,4-Dinitrotoluene	ND		ug/kg	350	1
2,6-Dinitrotoluene	ND		ug/kg	350	1
Azobenzene	ND		ug/kg	350	1
Fluoranthene	ND		ug/kg	350	1
4-Bromophenyl phenyl ether	ND		ug/kg	350	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	350	1
Bis(2-chloroethoxy)methane	ND		ug/kg	350	1
Hexachlorobutadiene	ND		ug/kg	700	1
Hexachloroethane	ND		ug/kg	350	1
Isophorone	ND		ug/kg	350	1
Naphthalene	ND		ug/kg	350	1
Nitrobenzene	ND		ug/kg	350	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	700	1
Butyl benzyl phthalate	ND		ug/kg	350	1
Di-n-butylphthalate	ND		ug/kg	350	1
Di-n-octylphthalate	ND		ug/kg	350	1
Diethyl phthalate	ND		ug/kg	350	1
Dimethyl phthalate	ND		ug/kg	350	1
Benzo(a)anthracene	ND		ug/kg	350	1
Benzo(a)pyrene	ND		ug/kg	350	1
Benzo(b)fluoranthene	ND		ug/kg	350	1

Project Name: NA SOIL EXCAVATION **Lab Number:** L0712214

Project Number: 0051545 **Report Date:** 08/27/07

SAMPLE RESULTS

Lab ID: L0712214-04 Date Collected: 08/23/07 09:30

Client ID: CF-4-20070823-01 Date Received: 08/23/07

Sample Location: RAYTHEON-WAYLAND Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by MCP 8270C					
Benzo(k)fluoranthene	ND		ug/kg	350	1
Chrysene	ND		ug/kg	350	1
Acenaphthylene	ND		ug/kg	350	1
Anthracene	ND		ug/kg	350	1
Benzo(ghi)perylene	ND		ug/kg	350	1
Fluorene	ND		ug/kg	350	1
Phenanthrene	ND		ug/kg	350	1
Dibenzo(a,h)anthracene	ND		ug/kg	350	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	350	1
Pyrene	ND		ug/kg	350	1
Aniline	ND		ug/kg	700	1
4-Chloroaniline	ND		ug/kg	350	1
Dibenzofuran	ND		ug/kg	350	1
2-Methylnaphthalene	ND		ug/kg	350	1
Acetophenone	ND		ug/kg	1400	1
2,4,6-Trichlorophenol	ND		ug/kg	350	1
2-Chlorophenol	ND		ug/kg	420	1
2,4-Dichlorophenol	ND		ug/kg	700	1
2,4-Dimethylphenol	ND		ug/kg	350	1
2-Nitrophenol	ND		ug/kg	1400	1
4-Nitrophenol	ND		ug/kg	700	1
2,4-Dinitrophenol	ND		ug/kg	1400	1
Pentachlorophenol	ND		ug/kg	1400	1
Phenol	ND		ug/kg	490	1
2-Methylphenol	ND		ug/kg	420	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	420	1
2,4,5-Trichlorophenol	ND		ug/kg	350	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		30-130
Phenol-d6	66		30-130
Nitrobenzene-d5	55		30-130
2-Fluorobiphenyl	50		30-130
2,4,6-Tribromophenol	54		30-130
4-Terphenyl-d14	77		30-130

Project Name: NA SOIL EXCAVATION **Lab Number:** L0712214

Project Number: 0051545 **Report Date:** 08/27/07

SAMPLE RESULTS

Lab ID:	L0712214-05	Date Collected:	08/23/07 09:35
Client ID:	CF-5-20070823-01	Date Received:	08/23/07
Sample Location:	RAYTHEON-WAYLAND	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Anaytical Method:	64,8270C	Extraction Date:	08/23/07 15:00
Analytical Date:	08/24/07 15:55		
Analyst:	AK		
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by MCP 8270C					
Acenaphthene	ND		ug/kg	350	1
1,2,4-Trichlorobenzene	ND		ug/kg	350	1
Hexachlorobenzene	ND		ug/kg	350	1
Bis(2-chloroethyl)ether	ND		ug/kg	350	1
2-Chloronaphthalene	ND		ug/kg	350	1
1,2-Dichlorobenzene	ND		ug/kg	350	1
1,3-Dichlorobenzene	ND		ug/kg	350	1
1,4-Dichlorobenzene	ND		ug/kg	350	1
3,3'-Dichlorobenzidine	ND		ug/kg	710	1
2,4-Dinitrotoluene	ND		ug/kg	350	1
2,6-Dinitrotoluene	ND		ug/kg	350	1
Azobenzene	ND		ug/kg	350	1
Fluoranthene	ND		ug/kg	350	1
4-Bromophenyl phenyl ether	ND		ug/kg	350	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	350	1
Bis(2-chloroethoxy)methane	ND		ug/kg	350	1
Hexachlorobutadiene	ND		ug/kg	710	1
Hexachloroethane	ND		ug/kg	350	1
Isophorone	ND		ug/kg	350	1
Naphthalene	ND		ug/kg	350	1
Nitrobenzene	ND		ug/kg	350	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	710	1
Butyl benzyl phthalate	ND		ug/kg	350	1
Di-n-butylphthalate	ND		ug/kg	350	1
Di-n-octylphthalate	ND		ug/kg	350	1
Diethyl phthalate	ND		ug/kg	350	1
Dimethyl phthalate	ND		ug/kg	350	1
Benzo(a)anthracene	ND		ug/kg	350	1
Benzo(a)pyrene	ND		ug/kg	350	1
Benzo(b)fluoranthene	ND		ug/kg	350	1

Project Name: NA SOIL EXCAVATION **Lab Number:** L0712214

Project Number: 0051545 **Report Date:** 08/27/07

SAMPLE RESULTS

Lab ID: L0712214-05 Date Collected: 08/23/07 09:35

Client ID: CF-5-20070823-01 Date Received: 08/23/07

Sample Location: RAYTHEON-WAYLAND Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by MCP 8270C					
Benzo(k)fluoranthene	ND		ug/kg	350	1
Chrysene	ND		ug/kg	350	1
Acenaphthylene	ND		ug/kg	350	1
Anthracene	ND		ug/kg	350	1
Benzo(ghi)perylene	ND		ug/kg	350	1
Fluorene	ND		ug/kg	350	1
Phenanthrene	ND		ug/kg	350	1
Dibenzo(a,h)anthracene	ND		ug/kg	350	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	350	1
Pyrene	ND		ug/kg	350	1
Aniline	ND		ug/kg	710	1
4-Chloroaniline	ND		ug/kg	350	1
Dibenzofuran	ND		ug/kg	350	1
2-Methylnaphthalene	ND		ug/kg	350	1
Acetophenone	ND		ug/kg	1400	1
2,4,6-Trichlorophenol	ND		ug/kg	350	1
2-Chlorophenol	ND		ug/kg	420	1
2,4-Dichlorophenol	ND		ug/kg	710	1
2,4-Dimethylphenol	ND		ug/kg	350	1
2-Nitrophenol	ND		ug/kg	1400	1
4-Nitrophenol	ND		ug/kg	710	1
2,4-Dinitrophenol	ND		ug/kg	1400	1
Pentachlorophenol	ND		ug/kg	1400	1
Phenol	ND		ug/kg	500	1
2-Methylphenol	ND		ug/kg	420	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	420	1
2,4,5-Trichlorophenol	ND		ug/kg	350	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		30-130
Phenol-d6	85		30-130
Nitrobenzene-d5	70		30-130
2-Fluorobiphenyl	65		30-130
2,4,6-Tribromophenol	67		30-130
4-Terphenyl-d14	85		30-130

Project Name: NA SOIL EXCAVATION **Lab Number:** L0712214

Project Number: 0051545 **Report Date:** 08/27/07

SAMPLE RESULTS

Lab ID:	L0712214-06	Date Collected:	08/23/07 09:40
Client ID:	CF-6-20070823-01	Date Received:	08/23/07
Sample Location:	RAYTHEON-WAYLAND	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Anaytical Method:	64,8270C	Extraction Date:	08/23/07 15:00
Analytical Date:	08/24/07 16:17		
Analyst:	AK		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by MCP 8270C					
Acenaphthene	ND		ug/kg	380	1
1,2,4-Trichlorobenzene	ND		ug/kg	380	1
Hexachlorobenzene	ND		ug/kg	380	1
Bis(2-chloroethyl)ether	ND		ug/kg	380	1
2-Chloronaphthalene	ND		ug/kg	380	1
1,2-Dichlorobenzene	ND		ug/kg	380	1
1,3-Dichlorobenzene	ND		ug/kg	380	1
1,4-Dichlorobenzene	ND		ug/kg	380	1
3,3'-Dichlorobenzidine	ND		ug/kg	760	1
2,4-Dinitrotoluene	ND		ug/kg	380	1
2,6-Dinitrotoluene	ND		ug/kg	380	1
Azobenzene	ND		ug/kg	380	1
Fluoranthene	ND		ug/kg	380	1
4-Bromophenyl phenyl ether	ND		ug/kg	380	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	380	1
Bis(2-chloroethoxy)methane	ND		ug/kg	380	1
Hexachlorobutadiene	ND		ug/kg	760	1
Hexachloroethane	ND		ug/kg	380	1
Isophorone	ND		ug/kg	380	1
Naphthalene	ND		ug/kg	380	1
Nitrobenzene	ND		ug/kg	380	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	760	1
Butyl benzyl phthalate	ND		ug/kg	380	1
Di-n-butylphthalate	ND		ug/kg	380	1
Di-n-octylphthalate	ND		ug/kg	380	1
Diethyl phthalate	ND		ug/kg	380	1
Dimethyl phthalate	ND		ug/kg	380	1
Benzo(a)anthracene	ND		ug/kg	380	1
Benzo(a)pyrene	ND		ug/kg	380	1
Benzo(b)fluoranthene	ND		ug/kg	380	1

Project Name: NA SOIL EXCAVATION **Lab Number:** L0712214

Project Number: 0051545 **Report Date:** 08/27/07

SAMPLE RESULTS

Lab ID: L0712214-06 Date Collected: 08/23/07 09:40

Client ID: CF-6-20070823-01 Date Received: 08/23/07

Sample Location: RAYTHEON-WAYLAND Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Semivolatile Organics by MCP 8270C					
Benzo(k)fluoranthene	ND		ug/kg	380	1
Chrysene	ND		ug/kg	380	1
Acenaphthylene	ND		ug/kg	380	1
Anthracene	ND		ug/kg	380	1
Benzo(ghi)perylene	ND		ug/kg	380	1
Fluorene	ND		ug/kg	380	1
Phenanthrene	ND		ug/kg	380	1
Dibenzo(a,h)anthracene	ND		ug/kg	380	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	380	1
Pyrene	ND		ug/kg	380	1
Aniline	ND		ug/kg	760	1
4-Chloroaniline	ND		ug/kg	380	1
Dibenzofuran	ND		ug/kg	380	1
2-Methylnaphthalene	ND		ug/kg	380	1
Acetophenone	ND		ug/kg	1500	1
2,4,6-Trichlorophenol	ND		ug/kg	380	1
2-Chlorophenol	ND		ug/kg	450	1
2,4-Dichlorophenol	ND		ug/kg	760	1
2,4-Dimethylphenol	ND		ug/kg	380	1
2-Nitrophenol	ND		ug/kg	1500	1
4-Nitrophenol	ND		ug/kg	760	1
2,4-Dinitrophenol	ND		ug/kg	1500	1
Pentachlorophenol	ND		ug/kg	1500	1
Phenol	ND		ug/kg	530	1
2-Methylphenol	ND		ug/kg	450	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	450	1
2,4,5-Trichlorophenol	ND		ug/kg	380	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		30-130
Phenol-d6	71		30-130
Nitrobenzene-d5	60		30-130
2-Fluorobiphenyl	51		30-130
2,4,6-Tribromophenol	48		30-130
4-Terphenyl-d14	68		30-130

Project Name: NA SOIL EXCAVATION
Project Number: 0051545
Lab Number: L0712214
Report Date: 08/27/07

Method Blank Analysis
Batch Quality Control

Analytical Method: 64,8270C
Analytical Date: 08/24/07 13:12
Analyst: AK

Extraction Method: EPA 3545
Extraction Date: 08/23/07 15:00

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by MCP 8270C for sample(s): 01-06 Batch: WG291639-1				
Acenaphthene	ND		ug/kg	330
1,2,4-Trichlorobenzene	ND		ug/kg	330
Hexachlorobenzene	ND		ug/kg	330
Bis(2-chloroethyl)ether	ND		ug/kg	330
2-Chloronaphthalene	ND		ug/kg	330
1,2-Dichlorobenzene	ND		ug/kg	330
1,3-Dichlorobenzene	ND		ug/kg	330
1,4-Dichlorobenzene	ND		ug/kg	330
3,3'-Dichlorobenzidine	ND		ug/kg	670
2,4-Dinitrotoluene	ND		ug/kg	330
2,6-Dinitrotoluene	ND		ug/kg	330
Azobenzene	ND		ug/kg	330
Fluoranthene	ND		ug/kg	330
4-Bromophenyl phenyl ether	ND		ug/kg	330
Bis(2-chloroisopropyl)ether	ND		ug/kg	330
Bis(2-chloroethoxy)methane	ND		ug/kg	330
Hexachlorobutadiene	ND		ug/kg	670
Hexachloroethane	ND		ug/kg	330
Isophorone	ND		ug/kg	330
Naphthalene	ND		ug/kg	330
Nitrobenzene	ND		ug/kg	330
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	670
Butyl benzyl phthalate	ND		ug/kg	330
Di-n-butylphthalate	ND		ug/kg	330
Di-n-octylphthalate	ND		ug/kg	330
Diethyl phthalate	ND		ug/kg	330
Dimethyl phthalate	ND		ug/kg	330
Benzo(a)anthracene	ND		ug/kg	330
Benzo(a)pyrene	ND		ug/kg	330
Benzo(b)fluoranthene	ND		ug/kg	330
Benzo(k)fluoranthene	ND		ug/kg	330

Project Name: NA SOIL EXCAVATION
Project Number: 0051545
Lab Number: L0712214
Report Date: 08/27/07

Method Blank Analysis
Batch Quality Control

Analytical Method: 64,8270C
Analytical Date: 08/24/07 13:12
Analyst: AK

Extraction Method: EPA 3545
Extraction Date: 08/23/07 15:00

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by MCP 8270C for sample(s): 01-06 Batch: WG291639-1				
Chrysene	ND		ug/kg	330
Acenaphthylene	ND		ug/kg	330
Anthracene	ND		ug/kg	330
Benzo(ghi)perylene	ND		ug/kg	330
Fluorene	ND		ug/kg	330
Phenanthrene	ND		ug/kg	330
Dibenzo(a,h)anthracene	ND		ug/kg	330
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	330
Pyrene	ND		ug/kg	330
Aniline	ND		ug/kg	670
4-Chloroaniline	ND		ug/kg	330
Dibenzofuran	ND		ug/kg	330
2-Methylnaphthalene	ND		ug/kg	330
Acetophenone	ND		ug/kg	1300
2,4,6-Trichlorophenol	ND		ug/kg	330
2-Chlorophenol	ND		ug/kg	400
2,4-Dichlorophenol	ND		ug/kg	670
2,4-Dimethylphenol	ND		ug/kg	330
2-Nitrophenol	ND		ug/kg	1300
4-Nitrophenol	ND		ug/kg	670
2,4-Dinitrophenol	ND		ug/kg	1300
Pentachlorophenol	ND		ug/kg	1300
Phenol	ND		ug/kg	470
2-Methylphenol	ND		ug/kg	400
3-Methylphenol/4-Methylphenol	ND		ug/kg	400
2,4,5-Trichlorophenol	ND		ug/kg	330

Project Name: NA SOIL EXCAVATION
Project Number: 0051545
Lab Number: L0712214
Report Date: 08/27/07

Method Blank Analysis
Batch Quality Control

Analytical Method: 64,8270C
Analytical Date: 08/24/07 13:12
Analyst: AK

Extraction Method: EPA 3545
Extraction Date: 08/23/07 15:00

Parameter	Result	Qualifier	Units	RDL
Semivolatile Organics by MCP 8270C for sample(s): 01-06 Batch: WG291639-1				

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		30-130
Phenol-d6	69		30-130
Nitrobenzene-d5	58		30-130
2-Fluorobiphenyl	49		30-130
2,4,6-Tribromophenol	58		30-130
4-Terphenyl-d14	83		30-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NA SOIL EXCAVATION
Project Number: 0051545

Lab Number: L0712214
Report Date: 08/27/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Semivolatile Organics by MCP 8270C Associated sample(s): 01-06 Batch: WG291639-2 WG291639-3					
Acenaphthene	66	64	40-140	3	30
1,2,4-Trichlorobenzene	52	52	40-140	0	30
Hexachlorobenzene	73	69	40-140	6	30
Bis(2-chloroethyl)ether	60	57	40-140	5	30
2-Chloronaphthalene	65	59	40-140	10	30
1,2-Dichlorobenzene	49	48	40-140	2	30
1,3-Dichlorobenzene	46	49	40-140	6	30
1,4-Dichlorobenzene	50	48	40-140	4	30
3,3'-Dichlorobenzidine	**39**	41	40-140	5	30
2,4-Dinitrotoluene	83	83	40-140	0	30
2,6-Dinitrotoluene	76	84	40-140	10	30
Azobenzene	78	82	40-140	5	30
Fluoranthene	82	85	40-140	4	30
4-Bromophenyl phenyl ether	76	72	40-140	5	30
Bis(2-chloroisopropyl)ether	54	56	40-140	4	30
Bis(2-chloroethoxy)methane	58	58	40-140	0	30
Hexachlorobutadiene	52	48	40-140	8	30
Hexachloroethane	48	50	40-140	4	30
Isophorone	59	55	40-140	7	30
Naphthalene	51	51	40-140	0	30
Nitrobenzene	66	53	40-140	22	30

Lab Control Sample Analysis
Batch Quality Control

Project Name: NA SOIL EXCAVATION
Project Number: 0051545

Lab Number: L0712214
Report Date: 08/27/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Semivolatile Organics by MCP 8270C Associated sample(s): 01-06 Batch: WG291639-2 WG291639-3					
Bis(2-Ethylhexyl)phthalate	90	95	40-140	5	30
Butyl benzyl phthalate	87	89	40-140	2	30
Di-n-butylphthalate	88	90	40-140	2	30
Di-n-octylphthalate	96	97	40-140	1	30
Diethyl phthalate	74	75	40-140	1	30
Dimethyl phthalate	76	78	40-140	3	30
Benzo(a)anthracene	81	80	40-140	1	30
Benzo(a)pyrene	84	87	40-140	4	30
Benzo(b)fluoranthene	84	86	40-140	2	30
Benzo(k)fluoranthene	71	73	40-140	3	30
Chrysene	78	79	40-140	1	30
Acenaphthylene	64	62	40-140	3	30
Anthracene	77	79	40-140	3	30
Benzo(ghi)perylene	78	82	40-140	5	30
Fluorene	74	76	40-140	3	30
Phenanthrene	72	79	40-140	9	30
Dibenzo(a,h)anthracene	80	81	40-140	1	30
Indeno(1,2,3-cd)Pyrene	84	86	40-140	2	30
Pyrene	79	81	40-140	3	30
Aniline	**28**	**29**	40-140	4	30
4-Chloroaniline	**35**	**39**	40-140	11	30

Lab Control Sample Analysis

Batch Quality Control

Project Name: NA SOIL EXCAVATION

Project Number: 0051545

Lab Number: L0712214

Report Date: 08/27/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Semivolatile Organics by MCP 8270C Associated sample(s): 01-06 Batch: WG291639-2 WG291639-3					
Dibenzofuran	68	62	40-140	9	30
2-Methylnaphthalene	55	53	40-140	4	30
Acetophenone	56	56	40-140	0	30
2,4,6-Trichlorophenol	66	61	30-130	8	30
2-Chlorophenol	51	48	30-130	6	30
2,4-Dichlorophenol	60	56	30-130	7	30
2,4-Dimethylphenol	50	43	30-130	15	30
2-Nitrophenol	54	50	30-130	8	30
4-Nitrophenol	80	76	30-130	5	30
2,4-Dinitrophenol	50	46	30-130	8	30
Pentachlorophenol	58	66	30-130	13	30
Phenol	56	55	30-130	2	30
2-Methylphenol	51	49	30-130	4	30
3-Methylphenol/4-Methylphenol	54	57	30-130	5	30
2,4,5-Trichlorophenol	58	61	30-130	5	30

Lab Control Sample Analysis

Batch Quality Control

Project Name: NA SOIL EXCAVATION

Project Number: 0051545

Lab Number: L0712214

Report Date: 08/27/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Semivolatile Organics by MCP 8270C Associated sample(s): 01-06 Batch: WG291639-2 WG291639-3					

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		47		30-130
Phenol-d6	66		65		30-130
Nitrobenzene-d5	59		55		30-130
2-Fluorobiphenyl	57		53		30-130
2,4,6-Tribromophenol	59		66		30-130
4-Terphenyl-d14	77		81		30-130

PETROLEUM HYDROCARBONS

Project Name: NA SOIL EXCAVATION **Lab Number:** L0712214

Project Number: 0051545 **Report Date:** 08/27/07

SAMPLE RESULTS

Lab ID:	L0712214-01	Date Collected:	08/23/07 09:15
Client ID:	CF-1-20070823-01	Date Received:	08/23/07
Sample Location:	RAYTHEON-WAYLAND	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Anaytical Method:	1,8015B(M)	Extraction Date:	08/23/07 15:10
Analytical Date:	08/24/07 12:15		
Analyst:	MF		
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Petroleum Hydrocarbons by GC-DRO					
Diesel Range Organics	ND		ug/kg	35000	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	56		40-140

Project Name: NA SOIL EXCAVATION **Lab Number:** L0712214

Project Number: 0051545 **Report Date:** 08/27/07

SAMPLE RESULTS

Lab ID:	L0712214-02	Date Collected:	08/23/07 09:20
Client ID:	CF-2-20070823-01	Date Received:	08/23/07
Sample Location:	RAYTHEON-WAYLAND	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Anaytical Method:	1,8015B(M)	Extraction Date:	08/23/07 15:10
Analytical Date:	08/24/07 12:57		
Analyst:	MF		
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Petroleum Hydrocarbons by GC-DRO					
Diesel Range Organics	ND		ug/kg	35000	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	72		40-140

Project Name: NA SOIL EXCAVATION **Lab Number:** L0712214

Project Number: 0051545 **Report Date:** 08/27/07

SAMPLE RESULTS

Lab ID:	L0712214-03	Date Collected:	08/23/07 09:25
Client ID:	CF-3-20070823-01	Date Received:	08/23/07
Sample Location:	RAYTHEON-WAYLAND	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Anaytical Method:	1,8015B(M)	Extraction Date:	08/23/07 15:10
Analytical Date:	08/24/07 13:19		
Analyst:	MF		
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Petroleum Hydrocarbons by GC-DRO					
Diesel Range Organics	ND		ug/kg	35000	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	67		40-140

Project Name: NA SOIL EXCAVATION **Lab Number:** L0712214

Project Number: 0051545 **Report Date:** 08/27/07

SAMPLE RESULTS

Lab ID:	L0712214-04	Date Collected:	08/23/07 09:30
Client ID:	CF-4-20070823-01	Date Received:	08/23/07
Sample Location:	RAYTHEON-WAYLAND	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Anaytical Method:	1,8015B(M)	Extraction Date:	08/23/07 15:10
Analytical Date:	08/24/07 14:02		
Analyst:	MF		
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Petroleum Hydrocarbons by GC-DRO					
Diesel Range Organics	ND		ug/kg	35000	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	85		40-140

Project Name: NA SOIL EXCAVATION **Lab Number:** L0712214

Project Number: 0051545 **Report Date:** 08/27/07

SAMPLE RESULTS

Lab ID:	L0712214-05	Date Collected:	08/23/07 09:35
Client ID:	CF-5-20070823-01	Date Received:	08/23/07
Sample Location:	RAYTHEON-WAYLAND	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Anaytical Method:	1,8015B(M)	Extraction Date:	08/23/07 15:10
Analytical Date:	08/24/07 14:24		
Analyst:	MF		
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Petroleum Hydrocarbons by GC-DRO					
Diesel Range Organics	ND		ug/kg	35000	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	90		40-140

Project Name: NA SOIL EXCAVATION **Lab Number:** L0712214

Project Number: 0051545 **Report Date:** 08/27/07

SAMPLE RESULTS

Lab ID:	L0712214-06	Date Collected:	08/23/07 09:40
Client ID:	CF-6-20070823-01	Date Received:	08/23/07
Sample Location:	RAYTHEON-WAYLAND	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Anaytical Method:	1,8015B(M)	Extraction Date:	08/23/07 15:10
Analytical Date:	08/24/07 15:07		
Analyst:	MF		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Petroleum Hydrocarbons by GC-DRO					
Diesel Range Organics	ND		ug/kg	38000	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	80		40-140

Project Name: NA SOIL EXCAVATION
Project Number: 0051545
Lab Number: L0712214
Report Date: 08/27/07

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015B(M)
Analytical Date: 08/24/07 10:53
Analyst: MF

Extraction Method: EPA 3545
Extraction Date: 08/23/07 15:10

Parameter	Result	Qualifier	Units	RDL
Petroleum Hydrocarbons by GC-DRO for sample(s): 01-06 Batch: WG291640-1				
Diesel Range Organics	ND		ug/kg	33000

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	94		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: NA SOIL EXCAVATION

Project Number: 0051545

Lab Number: L0712214

Report Date: 08/27/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Petroleum Hydrocarbons by GC-DRO Associated sample(s): 01-06 Batch: WG291640-2					
Diesel Range Organics	88	-	40-140	-	

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	96				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: NA SOIL EXCAVATION
Project Number: 0051545

Lab Number: L0712214
Report Date: 08/27/07

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Petroleum Hydrocarbons by GC-DRO Associated sample(s): 01-06 QC Batch ID: WG291640-3 QC Sample: L0712214-01 Client ID: CF-1-20070823-01					
Diesel Range Organics	ND	ND	ug/kg	NC	40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	56		80		40-140

PCBS

Project Name: NA SOIL EXCAVATION **Lab Number:** L0712214

Project Number: 0051545 **Report Date:** 08/27/07

SAMPLE RESULTS

Lab ID:	L0712214-01	Date Collected:	08/23/07 09:15
Client ID:	CF-1-20070823-01	Date Received:	08/23/07
Sample Location:	RAYTHEON-WAYLAND	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Anaytical Method:	64,8082	Extraction Date:	08/23/07 18:40
Analytical Date:	08/24/07 14:37		08/24/07
Analyst:	AK	Cleanup Date1:	
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by MCP 8082					
Aroclor 1016	ND		ug/kg	35.1	1
Aroclor 1221	ND		ug/kg	35.1	1
Aroclor 1232	ND		ug/kg	35.1	1
Aroclor 1242	ND		ug/kg	35.1	1
Aroclor 1248	ND		ug/kg	35.1	1
Aroclor 1254	ND		ug/kg	35.1	1
Aroclor 1260	ND		ug/kg	35.1	1
Aroclor 1262	ND		ug/kg	35.1	1
Aroclor 1268	ND		ug/kg	35.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: NA SOIL EXCAVATION **Lab Number:** L0712214

Project Number: 0051545 **Report Date:** 08/27/07

SAMPLE RESULTS

Lab ID:	L0712214-02	Date Collected:	08/23/07 09:20
Client ID:	CF-2-20070823-01	Date Received:	08/23/07
Sample Location:	RAYTHEON-WAYLAND	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Anaytical Method:	64,8082	Extraction Date:	08/23/07 18:40
Analytical Date:	08/24/07 15:06		08/24/07
Analyst:	AK	Cleanup Date1:	
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by MCP 8082					
Aroclor 1016	ND		ug/kg	35.1	1
Aroclor 1221	ND		ug/kg	35.1	1
Aroclor 1232	ND		ug/kg	35.1	1
Aroclor 1242	ND		ug/kg	35.1	1
Aroclor 1248	ND		ug/kg	35.1	1
Aroclor 1254	ND		ug/kg	35.1	1
Aroclor 1260	ND		ug/kg	35.1	1
Aroclor 1262	ND		ug/kg	35.1	1
Aroclor 1268	ND		ug/kg	35.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: NA SOIL EXCAVATION **Lab Number:** L0712214

Project Number: 0051545 **Report Date:** 08/27/07

SAMPLE RESULTS

Lab ID:	L0712214-03	Date Collected:	08/23/07 09:25
Client ID:	CF-3-20070823-01	Date Received:	08/23/07
Sample Location:	RAYTHEON-WAYLAND	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Anaytical Method:	64,8082	Extraction Date:	08/23/07 18:40
Analytical Date:	08/24/07 15:34		08/24/07
Analyst:	AK	Cleanup Date1:	
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by MCP 8082					
Aroclor 1016	ND		ug/kg	35.5	1
Aroclor 1221	ND		ug/kg	35.5	1
Aroclor 1232	ND		ug/kg	35.5	1
Aroclor 1242	ND		ug/kg	35.5	1
Aroclor 1248	ND		ug/kg	35.5	1
Aroclor 1254	ND		ug/kg	35.5	1
Aroclor 1260	ND		ug/kg	35.5	1
Aroclor 1262	ND		ug/kg	35.5	1
Aroclor 1268	ND		ug/kg	35.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: NA SOIL EXCAVATION **Lab Number:** L0712214

Project Number: 0051545 **Report Date:** 08/27/07

SAMPLE RESULTS

Lab ID:	L0712214-04	Date Collected:	08/23/07 09:30
Client ID:	CF-4-20070823-01	Date Received:	08/23/07
Sample Location:	RAYTHEON-WAYLAND	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Anaytical Method:	64,8082	Extraction Date:	08/23/07 18:40
Analytical Date:	08/24/07 16:03		08/24/07
Analyst:	AK	Cleanup Date1:	
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by MCP 8082					
Aroclor 1016	ND		ug/kg	35.1	1
Aroclor 1221	ND		ug/kg	35.1	1
Aroclor 1232	ND		ug/kg	35.1	1
Aroclor 1242	ND		ug/kg	35.1	1
Aroclor 1248	ND		ug/kg	35.1	1
Aroclor 1254	ND		ug/kg	35.1	1
Aroclor 1260	ND		ug/kg	35.1	1
Aroclor 1262	ND		ug/kg	35.1	1
Aroclor 1268	ND		ug/kg	35.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: NA SOIL EXCAVATION **Lab Number:** L0712214

Project Number: 0051545 **Report Date:** 08/27/07

SAMPLE RESULTS

Lab ID:	L0712214-05	Date Collected:	08/23/07 09:35
Client ID:	CF-5-20070823-01	Date Received:	08/23/07
Sample Location:	RAYTHEON-WAYLAND	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Anaytical Method:	64,8082	Extraction Date:	08/23/07 18:40
Analytical Date:	08/24/07 16:32		08/24/07
Analyst:	AK	Cleanup Date1:	
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by MCP 8082					
Aroclor 1016	ND		ug/kg	35.5	1
Aroclor 1221	ND		ug/kg	35.5	1
Aroclor 1232	ND		ug/kg	35.5	1
Aroclor 1242	ND		ug/kg	35.5	1
Aroclor 1248	ND		ug/kg	35.5	1
Aroclor 1254	ND		ug/kg	35.5	1
Aroclor 1260	ND		ug/kg	35.5	1
Aroclor 1262	ND		ug/kg	35.5	1
Aroclor 1268	ND		ug/kg	35.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: NA SOIL EXCAVATION **Lab Number:** L0712214

Project Number: 0051545 **Report Date:** 08/27/07

SAMPLE RESULTS

Lab ID:	L0712214-06	Date Collected:	08/23/07 09:40
Client ID:	CF-6-20070823-01	Date Received:	08/23/07
Sample Location:	RAYTHEON-WAYLAND	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Anaytical Method:	64,8082	Extraction Date:	08/23/07 18:40
Analytical Date:	08/24/07 17:00		08/24/07
Analyst:	AK	Cleanup Date1:	
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Polychlorinated Biphenyls by MCP 8082					
Aroclor 1016	ND		ug/kg	37.9	1
Aroclor 1221	ND		ug/kg	37.9	1
Aroclor 1232	ND		ug/kg	37.9	1
Aroclor 1242	ND		ug/kg	37.9	1
Aroclor 1248	ND		ug/kg	37.9	1
Aroclor 1254	ND		ug/kg	37.9	1
Aroclor 1260	ND		ug/kg	37.9	1
Aroclor 1262	ND		ug/kg	37.9	1
Aroclor 1268	ND		ug/kg	37.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: NA SOIL EXCAVATION
Project Number: 0051545
Lab Number: L0712214
Report Date: 08/27/07

Method Blank Analysis
Batch Quality Control

Analytical Method: 64,8082
Analytical Date: 08/24/07 17:29
Analyst: AK

Extraction Method: EPA 3546
Extraction Date: 08/23/07 09:30
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/24/07

Parameter	Result	Qualifier	Units	RDL
Polychlorinated Biphenyls by MCP 8082 for sample(s): 01-06 Batch: WG291571-1				
Aroclor 1016	ND		ug/kg	33.3
Aroclor 1221	ND		ug/kg	33.3
Aroclor 1232	ND		ug/kg	33.3
Aroclor 1242	ND		ug/kg	33.3
Aroclor 1248	ND		ug/kg	33.3
Aroclor 1254	ND		ug/kg	33.3
Aroclor 1260	ND		ug/kg	33.3
Aroclor 1262	ND		ug/kg	33.3
Aroclor 1268	ND		ug/kg	33.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	70		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: NA SOIL EXCAVATION

Project Number: 0051545

Lab Number: L0712214

Report Date: 08/27/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Polychlorinated Biphenyls by MCP 8082 Associated sample(s): 01-06 Batch: WG291571-2 WG291571-3					
Aroclor 1016	90	84	40-140	7	30
Aroclor 1260	102	100	40-140	2	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		81		30-150	A
Decachlorobiphenyl	85		81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		70		30-150	B
Decachlorobiphenyl	69		66		30-150	B

METALS

Project Name: NA SOIL EXCAVATION **Lab Number:** L0712214

Project Number: 0051545 **Report Date:** 08/27/07

SAMPLE RESULTS

Lab ID: L0712214-01 Date Collected: 08/23/07 09:15

Client ID: CF-1-20070823-01 Date Received: 08/23/07

Sample Location: RAYTHEON-WAYLAND Field Prep: Not Specified

Matrix: Soil

Percent Solids: 95%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals by MCP 6000/7000 series										
Arsenic, Total	6.4		mg/kg	0.42	1	08/26/07 10:50	08/27/07 11:10	EPA 3050B	60,6010B	MG
Cadmium, Total	ND		mg/kg	0.42	1	08/26/07 10:50	08/27/07 11:10	EPA 3050B	60,6010B	MG
Chromium, Total	10		mg/kg	0.42	1	08/26/07 10:50	08/27/07 11:10	EPA 3050B	60,6010B	MG
Lead, Total	7.4		mg/kg	2.1	1	08/26/07 10:50	08/27/07 11:10	EPA 3050B	60,6010B	MG
Mercury, Total	ND		mg/kg	0.08	1	08/23/07 17:30	08/24/07 14:30	EPA 7471A	64,7471A	RC

Project Name: NA SOIL EXCAVATION **Lab Number:** L0712214

Project Number: 0051545 **Report Date:** 08/27/07

SAMPLE RESULTS

Lab ID: L0712214-02 Date Collected: 08/23/07 09:20

Client ID: CF-2-20070823-01 Date Received: 08/23/07

Sample Location: RAYTHEON-WAYLAND Field Prep: Not Specified

Matrix: Soil

Percent Solids: 95%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals by MCP 6000/7000 series										
Arsenic, Total	6.3		mg/kg	0.42	1	08/26/07 10:50	08/27/07 11:16	EPA 3050B	60,6010B	MG
Cadmium, Total	ND		mg/kg	0.42	1	08/26/07 10:50	08/27/07 11:16	EPA 3050B	60,6010B	MG
Chromium, Total	9.5		mg/kg	0.42	1	08/26/07 10:50	08/27/07 11:16	EPA 3050B	60,6010B	MG
Lead, Total	4.0		mg/kg	2.1	1	08/26/07 10:50	08/27/07 11:16	EPA 3050B	60,6010B	MG
Mercury, Total	ND		mg/kg	0.08	1	08/23/07 17:30	08/24/07 14:32	EPA 7471A	64,7471A	RC

Project Name: NA SOIL EXCAVATION
Lab Number: L0712214
Project Number: 0051545
Report Date: 08/27/07

SAMPLE RESULTS

Lab ID: L0712214-03
Client ID: CF-3-20070823-01
Sample Location: RAYTHEON-WAYLAND
Matrix: Soil
Percent Solids: 94%

Date Collected: 08/23/07 09:25
Date Received: 08/23/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals by MCP 6000/7000 series										
Arsenic, Total	5.5		mg/kg	0.42	1	08/26/07 10:50	08/27/07 11:19	EPA 3050B	60,6010B	MG
Cadmium, Total	ND		mg/kg	0.42	1	08/26/07 10:50	08/27/07 11:19	EPA 3050B	60,6010B	MG
Chromium, Total	8.1		mg/kg	0.42	1	08/26/07 10:50	08/27/07 11:19	EPA 3050B	60,6010B	MG
Lead, Total	3.1		mg/kg	2.1	1	08/26/07 10:50	08/27/07 11:19	EPA 3050B	60,6010B	MG
Mercury, Total	ND		mg/kg	0.08	1	08/23/07 17:30	08/24/07 14:34	EPA 7471A	64,7471A	RC

Project Name: NA SOIL EXCAVATION
Lab Number: L0712214
Project Number: 0051545
Report Date: 08/27/07

SAMPLE RESULTS

Lab ID: L0712214-04
Client ID: CF-4-20070823-01
Sample Location: RAYTHEON-WAYLAND
Matrix: Soil
Percent Solids: 95%

Date Collected: 08/23/07 09:30
Date Received: 08/23/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals by MCP 6000/7000 series										
Arsenic, Total	5.4		mg/kg	0.41	1	08/26/07 10:50	08/27/07 11:22	EPA 3050B	60,6010B	MG
Cadmium, Total	ND		mg/kg	0.41	1	08/26/07 10:50	08/27/07 11:22	EPA 3050B	60,6010B	MG
Chromium, Total	8.6		mg/kg	0.41	1	08/26/07 10:50	08/27/07 11:22	EPA 3050B	60,6010B	MG
Lead, Total	3.4		mg/kg	2.1	1	08/26/07 10:50	08/27/07 11:22	EPA 3050B	60,6010B	MG
Mercury, Total	ND		mg/kg	0.08	1	08/23/07 17:30	08/24/07 14:36	EPA 7471A	64,7471A	RC

Project Name: NA SOIL EXCAVATION
Lab Number: L0712214
Project Number: 0051545
Report Date: 08/27/07

SAMPLE RESULTS

Lab ID: L0712214-05
Client ID: CF-5-20070823-01
Sample Location: RAYTHEON-WAYLAND
Matrix: Soil
Percent Solids: 94%

Date Collected: 08/23/07 09:35
Date Received: 08/23/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals by MCP 6000/7000 series										
Arsenic, Total	6.0		mg/kg	0.42	1	08/26/07 10:50	08/27/07 11:24	EPA 3050B	60,6010B	MG
Cadmium, Total	ND		mg/kg	0.42	1	08/26/07 10:50	08/27/07 11:24	EPA 3050B	60,6010B	MG
Chromium, Total	9.1		mg/kg	0.42	1	08/26/07 10:50	08/27/07 11:24	EPA 3050B	60,6010B	MG
Lead, Total	6.5		mg/kg	2.1	1	08/26/07 10:50	08/27/07 11:24	EPA 3050B	60,6010B	MG
Mercury, Total	ND		mg/kg	0.09	1	08/23/07 17:30	08/24/07 14:38	EPA 7471A	64,7471A	RC

Project Name: NA SOIL EXCAVATION
Lab Number: L0712214
Project Number: 0051545
Report Date: 08/27/07

SAMPLE RESULTS

Lab ID: L0712214-06
Client ID: CF-6-20070823-01
Sample Location: RAYTHEON-WAYLAND
Matrix: Soil
Percent Solids: 88%

Date Collected: 08/23/07 09:40
Date Received: 08/23/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals by MCP 6000/7000 series										
Arsenic, Total	5.8		mg/kg	0.45	1	08/26/07 10:50	08/27/07 11:27	EPA 3050B	60,6010B	MG
Cadmium, Total	ND		mg/kg	0.45	1	08/26/07 10:50	08/27/07 11:27	EPA 3050B	60,6010B	MG
Chromium, Total	11		mg/kg	0.45	1	08/26/07 10:50	08/27/07 11:27	EPA 3050B	60,6010B	MG
Lead, Total	4.7		mg/kg	2.2	1	08/26/07 10:50	08/27/07 11:27	EPA 3050B	60,6010B	MG
Mercury, Total	ND		mg/kg	0.09	1	08/23/07 17:30	08/24/07 14:43	EPA 7471A	64,7471A	RC

Project Name: NA SOIL EXCAVATION **Lab Number:** L0712214

Project Number: 0051545 **Report Date:** 08/27/07

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals by MCP 6000/7000 series for sample(s): 01-06 Batch: WG291660-1									
Mercury, Total	ND		mg/kg	0.08	1	08/23/07 17:30	08/24/07 14:25	64,7471A	RC

Prep Information

Digestion Method: EPA 7471A

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals by MCP 6000/7000 series for sample(s): 01-06 Batch: WG291896-1									
Arsenic, Total	ND		mg/kg	0.40	1	08/26/07 10:50	08/27/07 10:53	60,6010B	MG
Cadmium, Total	ND		mg/kg	0.40	1	08/26/07 10:50	08/27/07 10:53	60,6010B	MG
Chromium, Total	ND		mg/kg	0.40	1	08/26/07 10:50	08/27/07 10:53	60,6010B	MG
Lead, Total	ND		mg/kg	2.0	1	08/26/07 10:50	08/27/07 10:53	60,6010B	MG

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: NA SOIL EXCAVATION

Project Number: 0051545

Lab Number: L0712214

Report Date: 08/27/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals by MCP 6000/7000 series Associated sample(s): 01-06 Batch: WG291660-2 WG291660-3					
Mercury, Total	102	97	75-125	5	30
Total Metals by MCP 6000/7000 series Associated sample(s): 01-06 Batch: WG291896-2 WG291896-3					
Arsenic, Total	102	105	75-125	3	30
Cadmium, Total	103	104	75-125	1	30
Chromium, Total	97	99	75-125	2	30
Lead, Total	98	99	75-125	1	30

INORGANICS
&
MISCELLANEOUS

Project Name: NA SOIL EXCAVATION
Project Number: 0051545
Lab Number: L0712214
Report Date: 08/27/07

SAMPLE RESULTS

Lab ID: L0712214-01
Client ID: CF-1-20070823-01
Sample Location: RAYTHEON-WAYLAND
Matrix: Soil
Date Collected: 08/23/07 09:15
Date Received: 08/23/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry									
Solids, Total	95		%	0.10	1	-	08/23/07 21:10	30,2540G	NM

Project Name: NA SOIL EXCAVATION
Project Number: 0051545
Lab Number: L0712214
Report Date: 08/27/07

SAMPLE RESULTS

Lab ID: L0712214-02
Client ID: CF-2-20070823-01
Sample Location: RAYTHEON-WAYLAND
Matrix: Soil
Date Collected: 08/23/07 09:20
Date Received: 08/23/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry									
Solids, Total	95		%	0.10	1	-	08/23/07 21:10	30,2540G	NM

Project Name: NA SOIL EXCAVATION
Project Number: 0051545
Lab Number: L0712214
Report Date: 08/27/07

SAMPLE RESULTS

Lab ID: L0712214-03
Client ID: CF-3-20070823-01
Sample Location: RAYTHEON-WAYLAND
Matrix: Soil
Date Collected: 08/23/07 09:25
Date Received: 08/23/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry									
Solids, Total	94		%	0.10	1	-	08/23/07 21:10	30,2540G	NM

Project Name: NA SOIL EXCAVATION
Project Number: 0051545
Lab Number: L0712214
Report Date: 08/27/07

SAMPLE RESULTS

Lab ID: L0712214-04
Client ID: CF-4-20070823-01
Sample Location: RAYTHEON-WAYLAND
Matrix: Soil
Date Collected: 08/23/07 09:30
Date Received: 08/23/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry									
Solids, Total	95		%	0.10	1	-	08/23/07 21:10	30,2540G	NM

Project Name: NA SOIL EXCAVATION
Project Number: 0051545
Lab Number: L0712214
Report Date: 08/27/07

SAMPLE RESULTS

Lab ID: L0712214-05
Client ID: CF-5-20070823-01
Sample Location: RAYTHEON-WAYLAND
Matrix: Soil
Date Collected: 08/23/07 09:35
Date Received: 08/23/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry									
Solids, Total	94		%	0.10	1	-	08/23/07 21:10	30,2540G	NM

Project Name: NA SOIL EXCAVATION
Project Number: 0051545
Lab Number: L0712214
Report Date: 08/27/07

SAMPLE RESULTS

Lab ID: L0712214-06
Client ID: CF-6-20070823-01
Sample Location: RAYTHEON-WAYLAND
Matrix: Soil
Date Collected: 08/23/07 09:40
Date Received: 08/23/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry									
Solids, Total	88		%	0.10	1	-	08/23/07 21:10	30,2540G	NM

Lab Duplicate Analysis
Batch Quality Control

Project Name: NA SOIL EXCAVATION
Project Number: 0051545

Lab Number: L0712214
Report Date: 08/27/07

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Associated sample(s): 01-06 QC Batch ID: WG291681-1 QC Sample: L0712214-01 Client ID: CF-1-20070823-01					
Solids, Total	95	95	%	0	20

Project Name: NA SOIL EXCAVATION
Project Number: 0051545

Lab Number: L0712214
Report Date: 08/27/07

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0712214-01A	Amber 250ml unpreserved	A	N/A	2C	Y	Absent	MCP-8082-04,MCP-8270-04,TPH-DRO
L0712214-01B	Amber 250ml unpreserved	A	N/A	2C	Y	Absent	MCP-7471T,MCP-AS-6010T,MCP-CD-6010T,MCP-CR-6010T,MCP-PB-6010T,TS
L0712214-02A	Amber 250ml unpreserved	A	N/A	2C	Y	Absent	MCP-8082-04,MCP-8270-04,TPH-DRO
L0712214-02B	Amber 250ml unpreserved	A	N/A	2C	Y	Absent	MCP-7471T,MCP-AS-6010T,MCP-CD-6010T,MCP-CR-6010T,MCP-PB-6010T,TS
L0712214-02C	Amber 250ml unpreserved	A	N/A	2C	Y	Absent	SUB-MAN-GRAIN/SIEVE
L0712214-03A	Amber 250ml unpreserved	A	N/A	2C	Y	Absent	MCP-8082-04,MCP-8270-04,TPH-DRO
L0712214-03B	Amber 250ml unpreserved	A	N/A	2C	Y	Absent	MCP-7471T,MCP-AS-6010T,MCP-CD-6010T,MCP-CR-6010T,MCP-PB-6010T,TS
L0712214-04A	Amber 250ml unpreserved	A	N/A	2C	Y	Absent	MCP-8082-04,MCP-8270-04,TPH-DRO
L0712214-04B	Amber 250ml unpreserved	A	N/A	2C	Y	Absent	MCP-7471T,MCP-AS-6010T,MCP-CD-6010T,MCP-CR-6010T,MCP-PB-6010T,TS
L0712214-04V	Amber 250ml unpreserved	A	N/A	2C	Y	Absent	SUB-MAN-GRAIN/SIEVE
L0712214-05A	Amber 250ml unpreserved	A	N/A	2C	Y	Absent	MCP-8082-04,MCP-8270-04,TPH-DRO
L0712214-05B	Amber 250ml unpreserved	A	N/A	2C	Y	Absent	MCP-7471T,MCP-AS-6010T,MCP-CD-6010T,MCP-CR-6010T,MCP-PB-6010T,TS
L0712214-06A	Amber 250ml unpreserved	A	N/A	2C	Y	Absent	MCP-8082-04,MCP-8270-04,TPH-DRO
L0712214-06B	Amber 250ml unpreserved	A	N/A	2C	Y	Absent	MCP-7471T,MCP-AS-6010T,MCP-CD-6010T,MCP-CR-6010T,MCP-PB-6010T,TS
L0712214-06C	Amber 250ml unpreserved	A	N/A	2C	Y	Absent	SUB-MAN-GRAIN/SIEVE

Container Comments

L0712214-01A	Temp Probe
L0712214-01B	Temp Probe
L0712214-02A	Temp Probe
L0712214-02B	Temp Probe
L0712214-02C	Temp Probe

Project Name: NA SOIL EXCAVATION
Project Number: 0051545

Lab Number: L0712214
Report Date: 08/27/07

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis

Container Comments

L0712214-03A	Temp Probe
L0712214-03B	Temp Probe
L0712214-04A	Temp Probe
L0712214-04B	Temp Probe
L0712214-04V	Temp Probe
L0712214-05A	Temp Probe
L0712214-05B	Temp Probe
L0712214-06A	Temp Probe
L0712214-06B	Temp Probe
L0712214-06C	Temp Probe

Project Name:	NA SOIL EXCAVATION	**Lab Number:**	L0712214
Project Number:	0051545	**Report Date:**	08/27/07

GLOSSARY

Acronyms

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NI - Not Ignitable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

ND - Not detected at the reported detection limit for the sample.

RDL - Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

The following data qualifiers have been identified for use under the CT DEP Reasonable Confidence Protocols.

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.

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

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

Standard Qualifiers

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

Report Format: Data Usability Report

Project Name:	NA SOIL EXCAVATION	**Lab Number:**	L0712214
Project Number:	0051545	**Report Date:**	08/27/07

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

60 Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). May 2004.

64 Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). August 2004.

LIMITATION OF LIABILITIES

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

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 8/23/07

ALPHA Job #: L0712214

ALPHA
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
RAYNHAM, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: ERM-Boston
Address: 399 Boylston St 6th Floor, Boston, MA 02116
Phone: (617) 646-7800
Fax: (617) 267-6447
Email: jason.flattery@erm.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: NA Soil Excavation
Project Location: Raytheon - Wayland
Project #: 0051545
Project Manager: Jason Flattery
ALPHA Quote #:

Turn-Around Time

☐ Standard 8/27 ☒ RUSH (only confirmed if pre-approved!)
Date Due: 24 hr Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
MA MCP	Unlined Landfill Reuse Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

SAMPLE HANDLING

Filtration
☐ Done
☒ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs (HIGH) 8260	VOCs (LOW) 8260	Total Solids	PCBs, SVOCs, TPH	TRCRA 5 Metals, Cr, Pb, Hg	Grain Size	Sample Specific Comments	TOTAL # BOTTLES
12214-01	CF-1-20070823-01	8/23/07	9:15	S	JDF	X	X	X	X	X			5
-02	CF-2-20070823-01		9:20			X	X	X	X	X	X		6
-03	CF-3-20070823-01		9:25			X	X	X	X	X			5
-04	CF-4-20070823-01		9:30			X	X	X	X	X	X		6
-05	CF-5-20070823-01		9:35			X	X	X	X	X			5
-06	CF-6-20070823-01		9:40			X	X	X	X	X	X		6
-07	DUP-001-20070823-01		24:00			X	X	X					3
	TB-001-20070823-01	8/22/07	14:15	TB Water	DS		X						1
Container Type						V	V	P	A	A	A		
Preservative						H_2O	H_2O	N/A	N/A	N/A	N/A		

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
	8/23/07 12:50		8/23 12:50
	8/23 1330		8/23/07 1330

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

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

08270716:46

ANALYTICAL REPORT

Prepared for:
Alpha Woods Hole Labs - Westborough
8 Walkup Drive
Westborough, MA 01581

Project:	L0712214 - ERM
ETR:	0708201
Report Date:	August 24, 2007

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

CASE NARRATIVE
Alpha Woods Hole Labs

ETR: 0708201
Project: L0712214-ERM

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

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

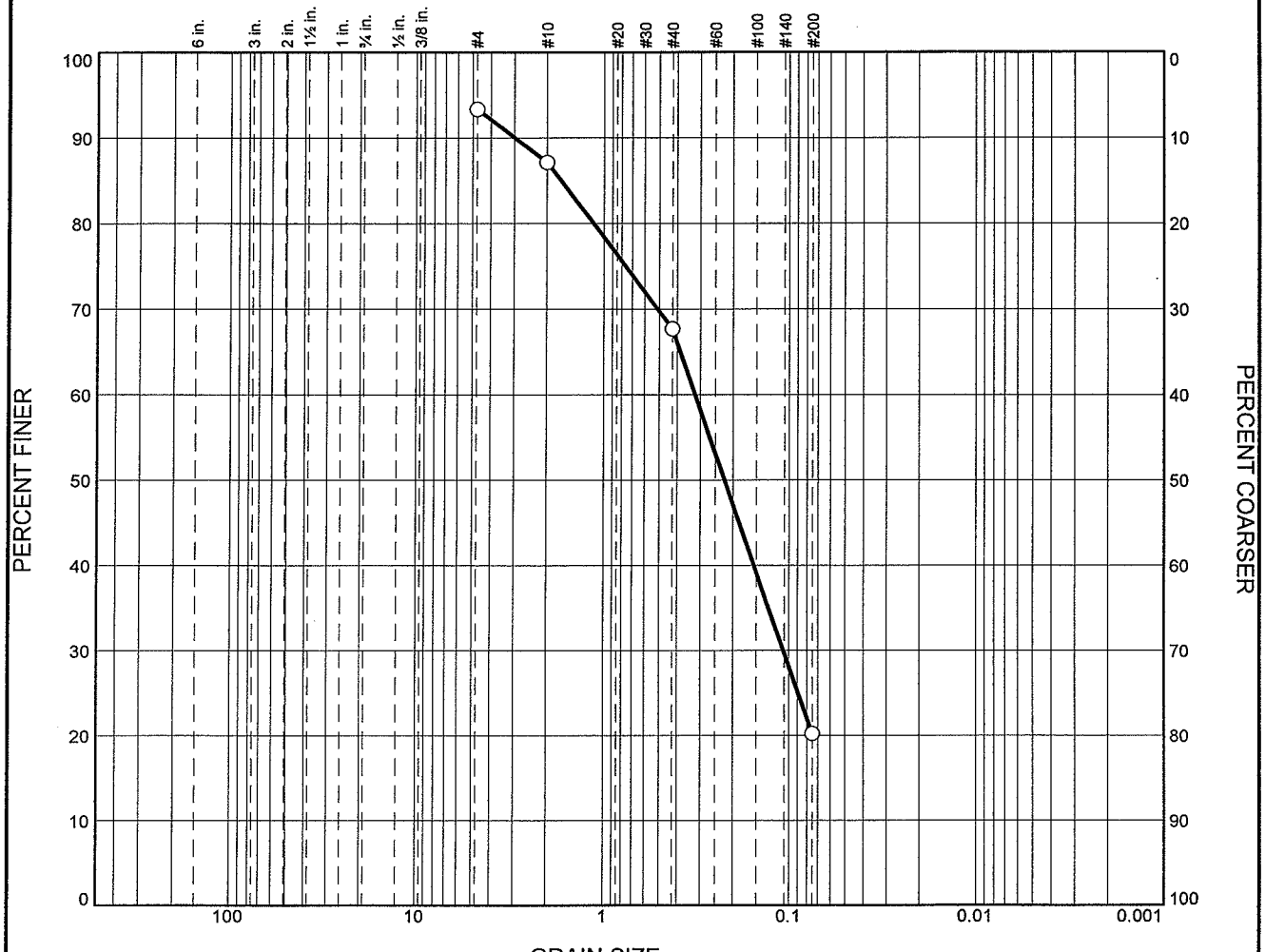
Approved by: Nancy A Rose Title: Project Manager Date: 8/24/07

Sample ID Cross Reference

Client: **Alpha Woods Hole Labs - Westborough** Lab Code: **MA00030**
Project: **L0712214 - ERM** ETR: **0708201**

Lab Sample ID	Client Sample ID
0708201-01	CF-2-20070823-01
0708201-02	CF-4-20070823-01
0708201-03	CF-6-20070823-01

Particle Size Distribution Report



	% Cobbles	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○				6.2	19.4	47.5	20.2	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○			1.6870	0.3209	0.2227	0.1073				

Material Description	USCS	AASHTO
○	SM	A-2-4(0)

Project No. 0708201 **Client:** Alpha

Project: L0712214 - ERM

○ **Source of Sample:** CF-2-20070823-01 **Sample Number:** 0708201-01

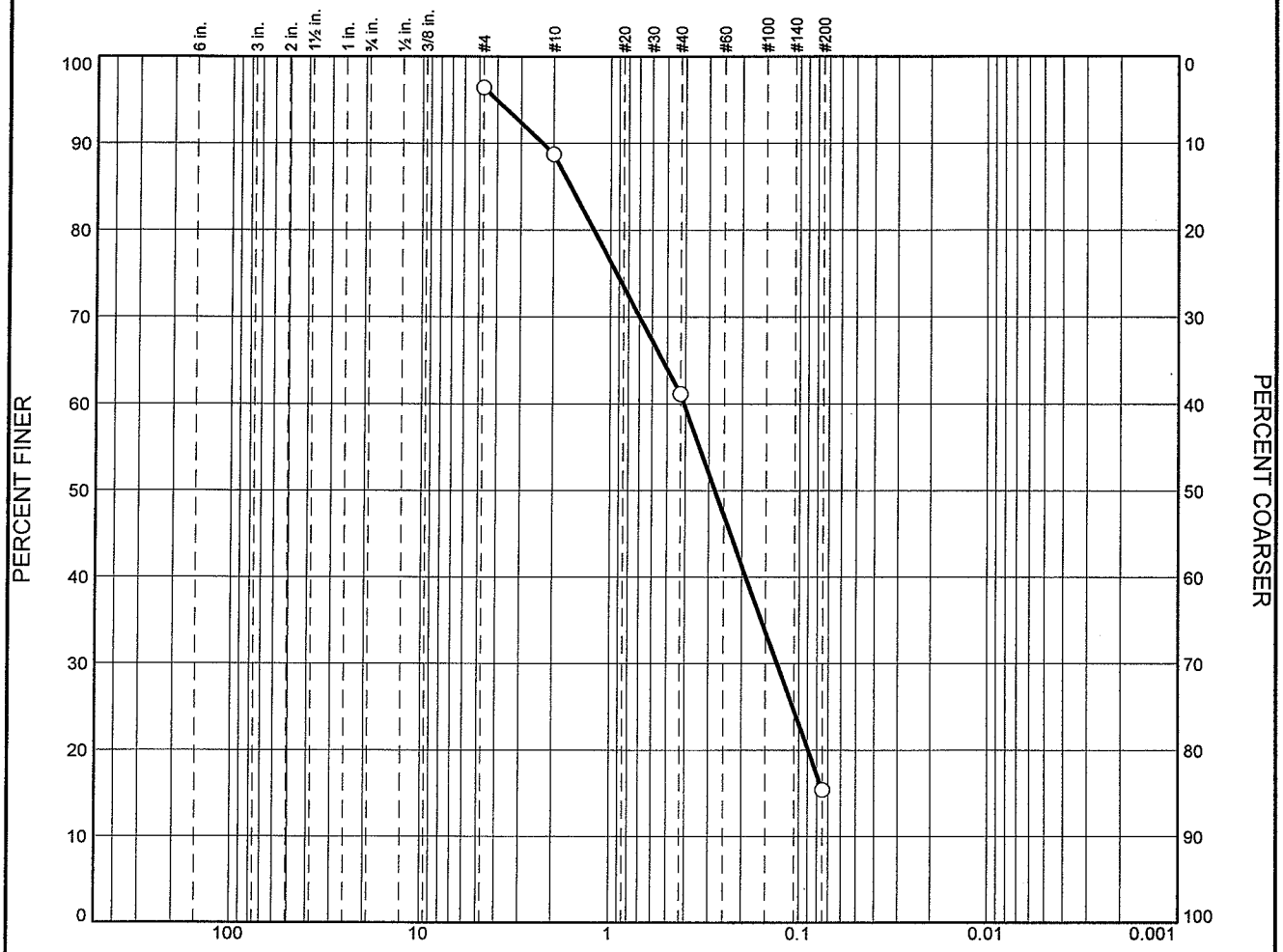
ALPHA WOODS HOLE LABS

Raynham, MA

Remarks:

Project

Particle Size Distribution Report



	% Cobbles	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○				7.7	27.6	45.7	15.4	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○			1.6226	0.4069	0.2785	0.1304				

	Material Description	USCS	AASHTO
○		SM	A-2-4(0)

Project No. 0708201 **Client:** Alpha

Project: L0712214 - ERM

○ **Source of Sample:** CF-4-20070823-01 **Sample Number:** 0708201-02

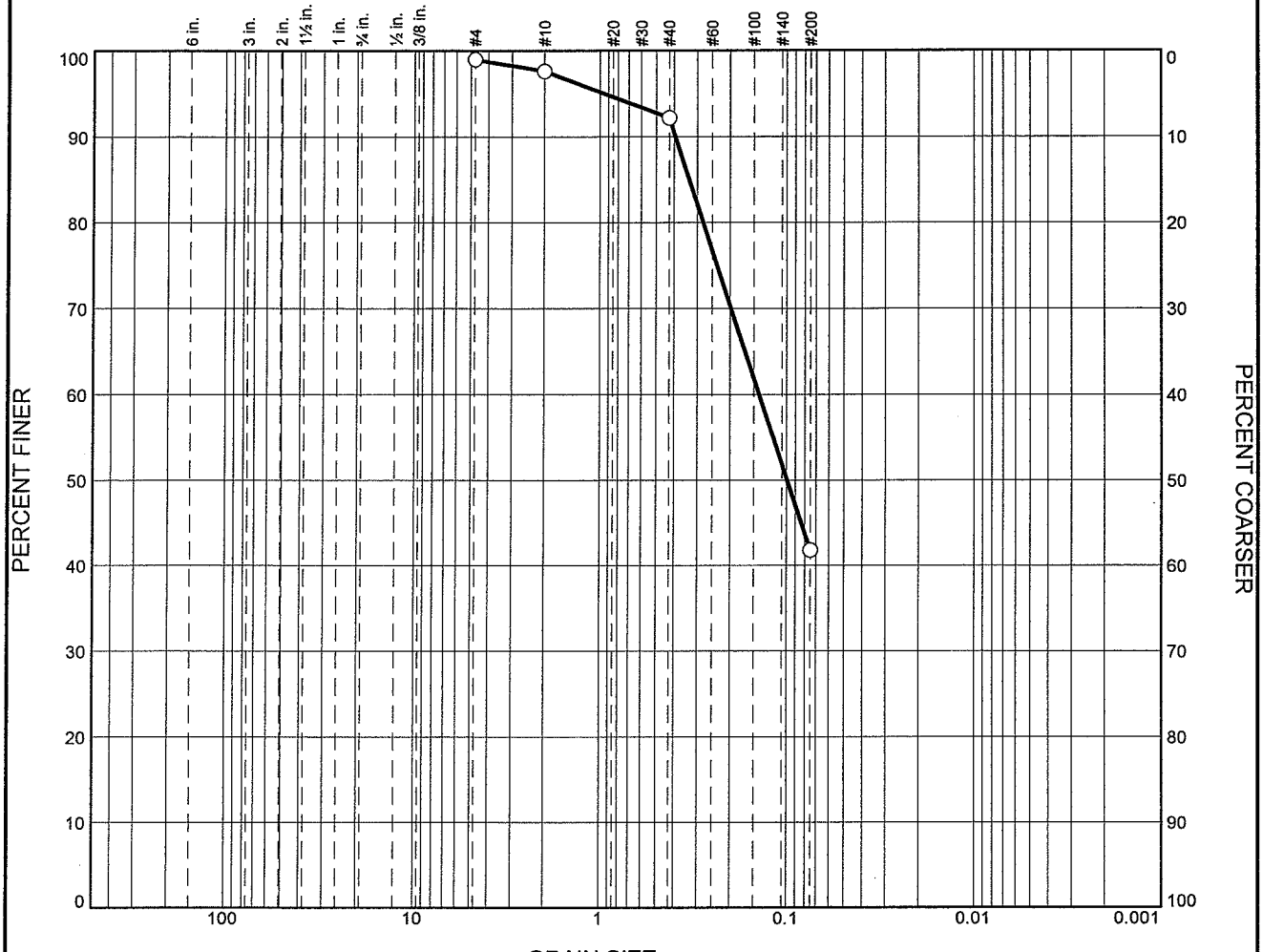
ALPHA WOODS HOLE LABS

Raynham, MA

Remarks:

Project

Particle Size Distribution Report



	% Cobbles	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○				1.4	5.4	50.4	41.8	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○			0.3321	0.1403	0.0994					

	Material Description	USCS	AASHTO
○		SM	A-4(0)

Project No. 0708201 **Client:** Alpha

Project: L0712214 - ERM

○ **Source of Sample:** CF-6-20070823-01 **Sample Number:** 0708201-03

ALPHA WOODS HOLE LABS

Raynham, MA

Remarks:

Project

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL LABS
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
RAYNHAM, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 8/23/07

ALPHA Job #: L0712214

Client Information

Client: ERM-Boston
Address: 399 Boylston St 6TH Floor, Boston, MA 02116
Phone: (617) 646-7800
Fax: (617) 267-6447
Email: jason.flattery@erm.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: NA Soil Excavation
Project Location: Raytheon - Wayland
Project #: 0051545
Project Manager: Jason Flattery
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!)
Date Due: 24 hr Time:

Other Project Specific Requirements/Comments/Detection Limits:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
MA MCP	Unlined Landfill Reuse Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs (High) 8260	VOCs (Low) 8260	Total Solids	PCBs, SVOCs, TPH	TRCRA 5 Metals, Cd, Cr Pb, Hg	Grain Size	Sample Specific Comments	Total # Bottles
12214-01	CF-1-20070823-01	8/23/07	9:15	S	JDF	X	X	X	X	X			5
-02	CF-2-20070823-01		9:20			X	X	X	X	X	X		6
-03	CF-3-20070823-01		9:25			X	X	X	X	X			5
-04	CF-4-20070823-01		9:30			X	X	X	X	X	X		6
-05	CF-5-20070823-01		9:35			X	X	X	X	X			5
-06	CF-6-20070823-01		9:40			X	X	X	X	X	X		6
-07	DUP-001-20070823-01		24:00			X	X	X					3
	TB-001-20070823-01	8/22/07	14:15	TB Water	DS		X						1

SAMPLE HANDLING
Filtration
☐ Done
☒ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type	V	V	P	A	A	A
Preservative	HCl	H_2O	N/A	N/A	N/A	N/A

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
	8/23/07 12:50	J Blanchard	8/23 12:50
	8/23 1330	A. Fong	8/23/07 1330

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

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

08270716:46

to - Marshfield

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA WOODS HOLE LABS
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
RAYNHAM, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: 0708201

Client Information

Client: Alpha Woods Hole
Address:
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name:
Project Location:
Project #:
Project Manager: P. Henriksen
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!)
Date Due: 8/27/07 Time:

Other Project Specific Requirements/Comments/Detection Limits:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: MA MCP
Criteria: Unlined Landfill Reuse Crite

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: Grain Size	SAMPLE HANDLING	TOTAL # BOTTLES
-1	L0712214-02	8/23/07	0920	S		X		1
-2	-04	↓	0930	↓		X		1
-3	-06	↓	0940	↓		X		1

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)
Sample Specific Comments

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

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

Container Type	
Preservative	

Relinquished By:	Date/Time	Received By:	Date/Time
Paul Gilbert	8/23/07 1415	Paul Gilbert	8/23/07 14:20
Paul Gilbert	8/23/07 17:00		8/23/07 1700

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

08270716:46

Sample Receipt Checklist

Client: ALPHA		**Receipt Date:** 8/23/07	
Project: 0708001		**Log-in Date:**	
ETR #: 0708201		**Inspection by:** hr	**Login by:** hr

ALL SECTIONS BELOW MUST BE COMPLETED

Comments / Notes

Were samples shipped? Yes, FedEx / UPS / Other:_____
No, WHG Courier pick-up / Hand delivered

Is bill of lading retained? Yes, Tracking #:_____
No, Unavailable / NA

Number of coolers received for this project delivery: 1

Indicate cooler temperature upon opening (if multiple coolers, record all temps):

Note: If all coolers are 2-6°C, use one checklist, if NOT, use separate checklists and note all samples received *above* 6°C.

Cooler 1:
Temperature(s) taken from: 3° IR Gun, 3° Temp. Blank, / NA

Were samples received on ice? Yes / No

Sample storage refrigerator #: F1

Sample storage freezer #:_____

Cooler 2:_____ Cooler 3:_____

Cooler 4:_____ Cooler 5:_____

Cooler 6:_____ Cooler 7:_____

More:_____

Chain-of-Custody present? Yes / No

Complete? Yes / No

Custody seals present on Cooler? Yes / No

on Bottles? Yes / No

Intact? Yes / No / NA

Note: Affix custody seals to back of this page.

Were sample containers intact? Yes / No If No, list samples: →

Did VOA/VPH waters contain headspace (>5mm)? Yes / No / NA If Yes, list samples: →

Were 5035 VOA soils, or VPH soils, *covered* with MeOH? Yes / No / NA
If No, list samples: →

Was a sufficient amount of sample received for each test indicated on the COC?
Yes / No If No, list samples: →

If chemical preservation is appropriate -
Were samples field preserved? Yes / No / NA

☐C=HCl ☐ M=MeOH ☐ S=H_2SO4
☐H=NaOH ☐ N=HNO_3 ☐ Other:_____ ☐ U= Unknown

Chemical preservation OK for ALL samples?

Yes / No / N/A

If No, list samples below:

Preservation (pH) verified at lab for *EVERY* bottle? (Not: VOA / VPH / Sulfide)

YES: <2 or >12 (CN) or NO NA

If No, why?:

Were samples received within hold time? Yes / No If No, list samples: →

Discrepancy between samples rec'd & COC ? Yes / No If Yes, list samples: →

Was the Project Manager notified of any other problems? Yes / No / NA

Project Manager Acknowledgement: NA Date: 8/24/07

Please use back for any additional notes!

Alpha Woods Hole Labs
Raynham, Massachusetts

Alpha Analytical Labs
Sample Delivery Group Form

Laboratory Job No. L0712214 SDG Reviewer J.

Client: ERM Date/Time: 8/23/07 13:30

Preliminary Review

1. *Samples Delivered via:*
   - [X] Alpha Courier
   - [ ] Client
   - [ ] Express Mail
   - [ ] Other_____

2. *Chain of Custody:*
   - [X] Present
   - [ ] Absent

3. *Custody Seal:*
   - [X] Absent
   - [ ] Present/Intact
   - [ ] Present/Broken

3. *All Containers Accounted for:*
   - [X] Yes
   - [ ] No

4. *Samples received:*
   - [X] Intact
   - [ ] Extra: _____
   - [ ] Broken Sample IDs : _____
   - [ ] Leaking Sample IDs : _____

5. *Temperature Blank:*
   - [X] Present Temperature (in Celsius): [ ] 2 - 6 Celsius degrees [X] Other 1.6°C
   - [ ] Absent Is the ice (n blue ice) present? [ ] Yes [ ] No * Cooler Temp: 2°C TP

Secondary Review

1. Do the sample(s) labels and Chain of Custody agree?
   - [X] Yes
   - [ ] No * _____
2. Are the samples in appropriate containers?
   - [X] Yes
   - [ ] No * _____
3. Are the samples properly preserved?
   - [X] Yes
   - [ ] No * Initial pH= N/A Soil Preserved In-House w/_____
4. Are the samples within holding times?
   - [X] Yes
   - [ ] No * _____

* Contact client and attach the phone log

Form No.: 01-02

Certificate/Approval Program Summary

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

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

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

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

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

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

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

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

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

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

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

U.S. Army Corps of Engineers

Department of the Navy

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 8/23/07

ALPHA Job #: L071213

ALPHA ANALYTICAL LABS
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
RAYNHAM, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: ERM-Boston
Address: 399 Boylston St 6TH Floor, Boston, MA 02116
Phone: (617) 646-7800
Fax: (617) 267-6447
Email: jason.flattery@erm.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: NA Soil Excavation
Project Location: Raytheon - Wayland
Project #: 0051545
Project Manager: Jason Flattery
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!)
Date Due: 24 hr Time: 8/27/07

Other Project Specific Requirements/Comments/Detection Limits:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
MA MCP	Unlined Landfill Reuse Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

SAMPLE HANDLING
Filtration
☐ Done
☑ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs (HIGH) 8260	VOCs (LOW) 8260	Total Solids	PCBs, SVOCs, TPH	TCLP 4 15 Cd, Cr Pb, Hg	Grain Size	Sample Specific Comments	TOTAL # BOTTLES
12213-01	CF-1-20070823-01	8/23/07	9:15	S	JDF	X	X	X	X	X			5
-02	CF-2-20070823-01		9:20			X	X	X	X	X	X		6
-03	CF-3-20070823-01		9:25			X	X	X	X	X			5
-04	CF-4-20070823-01		9:30			X	X	X	X	X	X		6
-05	CF-5-20070823-01		9:35			X	X	X	X	X			5
-06	CF-6-20070823-01		9:40			X	X	X	X	X	X		6
-07	DUP-001-20070823-01		24:00			X	X	X					3
-08	TB-001-20070823-01	8/22/07	14:15	TB Water	DS		X						1

Container Type	V	V	P	A	A	A	
Preservative	H_2O	H_2O	N/A	N/A	N/A	N/A	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
	8/23/07 12:50		8/23 12:50
	8/23 1330		8/23/07 1330

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

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

ESS Laboratory
Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Mary Davis
Alpha Analytical
8 Walkup Drive
Westborough, MA 01581

RE: Alpha Analytical Sampling
ESS Laboratory Work Order Number: 0708357

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: August 27, 2007

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.
Holding time and preservation requirements for all MCP analytes were achieved, unless otherwise noted in this Project Narrative.

Sample Receipt
The following samples were received on August 23, 2007 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client Sample ID
0708357-01	Soil	L0712213-01
0708357-02	Soil	L0712213-02
0708357-03	Soil	L0712213-03
0708357-04	Soil	L0712213-04
0708357-05	Soil	L0712213-05
0708357-06	Soil	L0712213-06
0708357-07	Soil	L0712213-07
0708357-08	Solid	Trip Blank L0712213-08

CERTIFICATE OF ANALYSIS

Client Name: Alpha Analytical
Client Project ID: Alpha Analytical Sampling

ESS Laboratory Work Order: 0708357

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Low Level

0708357-01		Due to equipment malfunction, surrogates were not added to any of the low level VOA samples resulting in no recovery for any of the surrogates. Only 1 vial was received. All associated LCS and Internal Standard data was within criteria.
	1,2-Dichloroethane-d4	Outside QC Limits.
	4-Bromofluorobenzene	Outside QC Limits.
	Dibromofluoromethane	Outside QC Limits.
	Toluene-d8	Outside QC Limits.
0708357-02		Due to equipment malfunction, surrogates were not added to any of the low level VOA samples resulting in no recovery for any of the surrogates. Only 1 vial was received. All associated LCS and Internal Standard data was within criteria.
	1,2-Dichloroethane-d4	Outside QC Limits.
	4-Bromofluorobenzene	Outside QC Limits.
	Dibromofluoromethane	Outside QC Limits.
	Toluene-d8	Outside QC Limits.
0708357-03		Due to equipment malfunction, surrogates were not added to any of the low level VOA samples resulting in no recovery for any of the surrogates. Only 1 vial was received. All associated LCS and Internal Standard data was within criteria.
	1,2-Dichloroethane-d4	Outside QC Limits.
	4-Bromofluorobenzene	Outside QC Limits.
	Dibromofluoromethane	Outside QC Limits.
	Toluene-d8	Outside QC Limits.
0708357-04		Due to equipment malfunction, surrogates were not added to any of the low level VOA samples resulting in no recovery for any of the surrogates. Only 1 vial was received. All associated LCS and Internal Standard data was within criteria.
	1,2-Dichloroethane-d4	Outside QC Limits.
	4-Bromofluorobenzene	Outside QC Limits.
	Dibromofluoromethane	Outside QC Limits.
	Toluene-d8	Outside QC Limits.
0708357-05		Due to equipment malfunction, surrogates were not added to any of the low level VOA samples resulting in no recovery for any of the surrogates. Only 1 vial was received. All associated LCS and Internal Standard data was within criteria.
	1,2-Dichloroethane-d4	Outside QC Limits.
	4-Bromofluorobenzene	Outside QC Limits.
	Dibromofluoromethane	Outside QC Limits.
	Toluene-d8	Outside QC Limits.

CERTIFICATE OF ANALYSIS

Client Name: Alpha Analytical
Client Project ID: Alpha Analytical Sampling

ESS Laboratory Work Order: 0708357

0708357-06		Due to equipment malfunction, surrogates were not added to any of the low level VOA samples resulting in no recovery for any of the surrogates. Only 1 vial was received. All associated LCS data was within criteria.
	1,2-Dichloroethane-d4	Outside QC Limits.
	1,4-Dichlorobenzene-D4	Internal Standard was outside of criteria due to matrix (UCM present).
	1,4-Dichlorobenzene-D4	Internal Standard is outisde of criteria. Insufficient sample for reanalysis.
	4-Bromofluorobenzene	Outside QC Limits.
	Chlorobenzene-d5	Internal Standard was outside of criteria due to matrix (UCM present).
	Chlorobenzene-d5	Internal Standard is outisde of criteria. Insufficient sample for reanalysis.
	Dibromofluoromethane	Outside QC Limits.
	Fluorobenzene	Internal Standard was outside of criteria due to matrix (UCM present).
	Fluorobenzene	Internal Standard is outisde of criteria. Insufficient sample for reanalysis.
	Toluene-d8	Outside QC Limits.
0708357-07		Due to equipment malfunction, surrogates were not added to any of the low level VOA samples resulting in no recovery for any of the surrogates. Only 1 vial was received. All associated LCS and Internal Standard data was within criteria.
	1,2-Dichloroethane-d4	Outside QC Limits.
	4-Bromofluorobenzene	Outside QC Limits.
	Dibromofluoromethane	Outside QC Limits.
	Toluene-d8	Outside QC Limits.
0708357-08		Due to equipment malfunction, surrogates were not added to any of the low level VOA samples resulting in no recovery for any of the surrogates. Only 1 vial was received. All associated LCS and Internal Standard data was within criteria.
	1,2-Dichloroethane-d4	Outside QC Limits.
	4-Bromofluorobenzene	Outside QC Limits.
	Dibromofluoromethane	Outside QC Limits.
	Toluene-d8	Outside QC Limits.
BH72405-BLK1	1,2-Dichloroethane-d4	Outside QC Limits.
	4-Bromofluorobenzene	Outside QC Limits.
	Dibromofluoromethane	Outside QC Limits.
	Toluene-d8	Outside QC Limits.

No other observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Alpha Analytical
Client Project ID: Alpha Analytical Sampling

ESS Laboratory Work Order: 0708357

MADEP MCP Response Action Analytical Report Certification Form

MADEP RTN*: _____

This form provides certification for the following data set:
0708357-01 through 0708357-08

Sample Matricies: ( ) Ground Water (X) Soil/Sediment ( ) Drinking Water ( ) Other: _____

MCP SW-846 Methods Used					
8260B (X)	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M** ( )
8082 ( )	8021B ( )	EPH ( )	7000 S*** ( )	7194A ( )

As specified in MADEP Compendium of Analytical Methods (Check all that apply)

* List Release Tracking Number (RTN), if known.
** M-SW-846 9014 or MADEP Physiologically Available Cyanide (PAC) Method
*** S - SW - 846 Methods 7000 Series - List individual method and analyte

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	(Yes)	No*
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	(Yes)	No*
C	Does the data included in the report meet all the requirements for "Presumptive Certainty" as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	(Yes)	No*
D	***VPH and EPH methods only:*** Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective Methods)?	Yes	No*

A response to questions E and F below required for "Presumptive Certainty" status

E	Were all QC performance standards and recommendations for the specific methods achieved?	Yes	(No*)
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	(Yes)	No*

****All negative responses must be addressed in an attached Environmental Laboratory Case Narrative.***

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 analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Laurel Stoddard Date: August 27, 2007

Printed Name: Laurel Stoddard Position: Laboratory Director

CERTIFICATE OF ANALYSIS

Client Name: Alpha Analytical
Client Project ID: Alpha Analytical Sampling
Client Sample ID: L0712213-01
Date Sampled: 08/23/07 09:15
Percent Solids: 96
Initial Volume: 5.7
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0708357
ESS Laboratory Sample ID: 0708357-01
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results	Units	MRL	MA - S2GW1 Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane	ND	mg/kg dry	0.0046	0.1	1	08/24/07
1,1,1-Trichloroethane	ND	mg/kg dry	0.0046	30	1	08/24/07
1,1,2,2-Tetrachloroethane	ND	mg/kg dry	0.0046	0.005	1	08/24/07
1,1,2-Trichloroethane	ND	mg/kg dry	0.0046	0.1	1	08/24/07
1,1-Dichloroethane	ND	mg/kg dry	0.0046	0.4	1	08/24/07
1,1-Dichloroethene	ND	mg/kg dry	0.0046	3	1	08/24/07
1,1-Dichloropropene	ND	mg/kg dry	0.0046		1	08/24/07
1,2,3-Trichlorobenzene	ND	mg/kg dry	0.0046		1	08/24/07
1,2,3-Trichloropropane	ND	mg/kg dry	0.0046		1	08/24/07
1,2,4-Trichlorobenzene	ND	mg/kg dry	0.0046	2	1	08/24/07
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.0046	100	1	08/24/07
1,2-Dibromo-3-Chloropropane	ND	mg/kg dry	0.0046		1	08/24/07
1,2-Dibromoethane	ND	mg/kg dry	0.0046	0.1	1	08/24/07
1,2-Dichlorobenzene	ND	mg/kg dry	0.0046	9	1	08/24/07
1,2-Dichloroethane	ND	mg/kg dry	0.0046	0.1	1	08/24/07
1,2-Dichloropropane	ND	mg/kg dry	0.0046	0.1	1	08/24/07
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.0046	100	1	08/24/07
1,3-Dichlorobenzene	ND	mg/kg dry	0.0046	1	1	08/24/07
1,3-Dichloropropane	ND	mg/kg dry	0.0046		1	08/24/07
1,4-Dichlorobenzene	ND	mg/kg dry	0.0046	0.7	1	08/24/07
1,4-Dioxane - Screen	ND	mg/kg dry	0.228		1	08/24/07
2,2-Dichloropropane	ND	mg/kg dry	0.0046		1	08/24/07
2-Butanone	ND	mg/kg dry	0.0457	0.3	1	08/24/07
2-Chlorotoluene	ND	mg/kg dry	0.0046		1	08/24/07
2-Hexanone	ND	mg/kg dry	0.0457		1	08/24/07
4-Chlorotoluene	ND	mg/kg dry	0.0046		1	08/24/07
4-Isopropyltoluene	ND	mg/kg dry	0.0046	100	1	08/24/07
4-Methyl-2-Pentanone	ND	mg/kg dry	0.0457	0.4	1	08/24/07
Acetone	ND	mg/kg dry	0.0457	3	1	08/24/07
Benzene	ND	mg/kg dry	0.0046	2	1	08/24/07
Bromobenzene	ND	mg/kg dry	0.0046		1	08/24/07
Bromochloromethane	ND	mg/kg dry	0.0046		1	08/24/07
Bromodichloromethane	ND	mg/kg dry	0.0046	0.1	1	08/24/07
Bromoform	ND	mg/kg dry	0.0046	0.1	1	08/24/07
Bromomethane	ND	mg/kg dry	0.0091	10	1	08/24/07

CERTIFICATE OF ANALYSIS

Client Name: Alpha Analytical
Client Project ID: Alpha Analytical Sampling
Client Sample ID: L0712213-01
Date Sampled: 08/23/07 09:15
Percent Solids: 96
Initial Volume: 5.7
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0708357
ESS Laboratory Sample ID: 0708357-01
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Low Level

Carbon Disulfide	ND	mg/kg dry	0.0046		1	08/24/07
Carbon Tetrachloride	ND	mg/kg dry	0.0046	10	1	08/24/07
Chlorobenzene	ND	mg/kg dry	0.0046	1	1	08/24/07
Chloroethane	ND	mg/kg dry	0.0091		1	08/24/07
Chloroform	ND	mg/kg dry	0.0046	0.1	1	08/24/07
Chloromethane	ND	mg/kg dry	0.0091		1	08/24/07
cis-1,2-Dichloroethene	ND	mg/kg dry	0.0046	0.3	1	08/24/07
cis-1,3-Dichloropropene	ND	mg/kg dry	0.0046	0.01	1	08/24/07
Dibromochloromethane	ND	mg/kg dry	0.0046	0.005	1	08/24/07
Dibromomethane	ND	mg/kg dry	0.0046		1	08/24/07
Dichlorodifluoromethane	ND	mg/kg dry	0.0091		1	08/24/07
Diethyl Ether	ND	mg/kg dry	0.0046		1	08/24/07
Di-isopropyl ether	ND	mg/kg dry	0.0046		1	08/24/07
Ethyl tertiary-butyl ether	ND	mg/kg dry	0.0046		1	08/24/07
Ethylbenzene	ND	mg/kg dry	0.0046	80	1	08/24/07
Hexachlorobutadiene	ND	mg/kg dry	0.0046	90	1	08/24/07
Isopropylbenzene	ND	mg/kg dry	0.0046	100	1	08/24/07
Methyl tert-Butyl Ether	ND	mg/kg dry	0.0046	0.1	1	08/24/07
Methylene Chloride	ND	mg/kg dry	0.0228	0.1	1	08/24/07
Naphthalene	ND	mg/kg dry	0.0046	4	1	08/24/07
n-Butylbenzene	ND	mg/kg dry	0.0046	100	1	08/24/07
n-Propylbenzene	ND	mg/kg dry	0.0046	100	1	08/24/07
sec-Butylbenzene	ND	mg/kg dry	0.0046	100	1	08/24/07
Styrene	ND	mg/kg dry	0.0046	3	1	08/24/07
tert-Butylbenzene	ND	mg/kg dry	0.0046	100	1	08/24/07
Tertiary-amyl methyl ether	ND	mg/kg dry	0.0046		1	08/24/07
Tetrachloroethene	ND	mg/kg dry	0.0046	1	1	08/24/07
Tetrahydrofuran	ND	mg/kg dry	0.0046		1	08/24/07
Toluene	ND	mg/kg dry	0.0046	30	1	08/24/07
trans-1,2-Dichloroethene	ND	mg/kg dry	0.0046	1	1	08/24/07
trans-1,3-Dichloropropene	ND	mg/kg dry	0.0046	0.01	1	08/24/07
Trichloroethene	ND	mg/kg dry	0.0046	0.3	1	08/24/07
Trichlorofluoromethane	ND	mg/kg dry	0.0046		1	08/24/07
Vinyl Chloride	ND	mg/kg dry	0.0091	0.9	1	08/24/07
Xylene O	ND	mg/kg dry	0.0046	400	1	08/24/07
Xylene P,M	ND	mg/kg dry	0.0091	400	1	08/24/07

CERTIFICATE OF ANALYSIS

Client Name: Alpha Analytical
Client Project ID: Alpha Analytical Sampling
Client Sample ID: L0712213-01
Date Sampled: 08/23/07 09:15
Percent Solids: 96
Initial Volume: 1
Final Volume: 1
Extraction Method: [CALC]

ESS Laboratory Work Order: 0708357
ESS Laboratory Sample ID: 0708357-01
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Low Level

Xylenes (Total)	ND	mg/kg dry	0.0137	400	0	08/24/07

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*0.7 %*	+	*70-130*
Surrogate: 4-Bromofluorobenzene	*0.2 %*	+	*70-130*
Surrogate: Dibromofluoromethane	*0.8 %*	+	*70-130*
Surrogate: Toluene-d8	*0.1 %*	+	*70-130*

CERTIFICATE OF ANALYSIS

Client Name: Alpha Analytical
Client Project ID: Alpha Analytical Sampling
Client Sample ID: L0712213-02
Date Sampled: 08/23/07 09:20
Percent Solids: 94
Initial Volume: 5.5
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0708357
ESS Laboratory Sample ID: 0708357-02
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results	Units	MRL	MA - S2GW1 Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane	ND	mg/kg dry	0.0048	0.1	1	08/24/07
1,1,1-Trichloroethane	ND	mg/kg dry	0.0048	30	1	08/24/07
1,1,2,2-Tetrachloroethane	ND	mg/kg dry	0.0048	0.005	1	08/24/07
1,1,2-Trichloroethane	ND	mg/kg dry	0.0048	0.1	1	08/24/07
1,1-Dichloroethane	ND	mg/kg dry	0.0048	0.4	1	08/24/07
1,1-Dichloroethene	ND	mg/kg dry	0.0048	3	1	08/24/07
1,1-Dichloropropene	ND	mg/kg dry	0.0048		1	08/24/07
1,2,3-Trichlorobenzene	ND	mg/kg dry	0.0048		1	08/24/07
1,2,3-Trichloropropane	ND	mg/kg dry	0.0048		1	08/24/07
1,2,4-Trichlorobenzene	ND	mg/kg dry	0.0048	2	1	08/24/07
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.0048	100	1	08/24/07
1,2-Dibromo-3-Chloropropane	ND	mg/kg dry	0.0048		1	08/24/07
1,2-Dibromoethane	ND	mg/kg dry	0.0048	0.1	1	08/24/07
1,2-Dichlorobenzene	ND	mg/kg dry	0.0048	9	1	08/24/07
1,2-Dichloroethane	ND	mg/kg dry	0.0048	0.1	1	08/24/07
1,2-Dichloropropane	ND	mg/kg dry	0.0048	0.1	1	08/24/07
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.0048	100	1	08/24/07
1,3-Dichlorobenzene	ND	mg/kg dry	0.0048	1	1	08/24/07
1,3-Dichloropropane	ND	mg/kg dry	0.0048		1	08/24/07
1,4-Dichlorobenzene	ND	mg/kg dry	0.0048	0.7	1	08/24/07
1,4-Dioxane - Screen	ND	mg/kg dry	0.242		1	08/24/07
2,2-Dichloropropane	ND	mg/kg dry	0.0048		1	08/24/07
2-Butanone	ND	mg/kg dry	0.0484	0.3	1	08/24/07
2-Chlorotoluene	ND	mg/kg dry	0.0048		1	08/24/07
2-Hexanone	ND	mg/kg dry	0.0484		1	08/24/07
4-Chlorotoluene	ND	mg/kg dry	0.0048		1	08/24/07
4-Isopropyltoluene	ND	mg/kg dry	0.0048	100	1	08/24/07
4-Methyl-2-Pentanone	ND	mg/kg dry	0.0484	0.4	1	08/24/07
Acetone	ND	mg/kg dry	0.0484	3	1	08/24/07
Benzene	ND	mg/kg dry	0.0048	2	1	08/24/07
Bromobenzene	ND	mg/kg dry	0.0048		1	08/24/07
Bromochloromethane	ND	mg/kg dry	0.0048		1	08/24/07
Bromodichloromethane	ND	mg/kg dry	0.0048	0.1	1	08/24/07
Bromoform	ND	mg/kg dry	0.0048	0.1	1	08/24/07
Bromomethane	ND	mg/kg dry	0.0097	10	1	08/24/07

CERTIFICATE OF ANALYSIS

Client Name: Alpha Analytical
Client Project ID: Alpha Analytical Sampling
Client Sample ID: L0712213-02
Date Sampled: 08/23/07 09:20
Percent Solids: 94
Initial Volume: 5.5
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0708357
ESS Laboratory Sample ID: 0708357-02
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Low Level

Carbon Disulfide	ND	mg/kg dry	0.0048		1	08/24/07
Carbon Tetrachloride	ND	mg/kg dry	0.0048	10	1	08/24/07
Chlorobenzene	ND	mg/kg dry	0.0048	1	1	08/24/07
Chloroethane	ND	mg/kg dry	0.0097		1	08/24/07
Chloroform	ND	mg/kg dry	0.0048	0.1	1	08/24/07
Chloromethane	ND	mg/kg dry	0.0097		1	08/24/07
cis-1,2-Dichloroethene	ND	mg/kg dry	0.0048	0.3	1	08/24/07
cis-1,3-Dichloropropene	ND	mg/kg dry	0.0048	0.01	1	08/24/07
Dibromochloromethane	ND	mg/kg dry	0.0048	0.005	1	08/24/07
Dibromomethane	ND	mg/kg dry	0.0048		1	08/24/07
Dichlorodifluoromethane	ND	mg/kg dry	0.0097		1	08/24/07
Diethyl Ether	ND	mg/kg dry	0.0048		1	08/24/07
Di-isopropyl ether	ND	mg/kg dry	0.0048		1	08/24/07
Ethyl tertiary-butyl ether	ND	mg/kg dry	0.0048		1	08/24/07
Ethylbenzene	ND	mg/kg dry	0.0048	80	1	08/24/07
Hexachlorobutadiene	ND	mg/kg dry	0.0048	90	1	08/24/07
Isopropylbenzene	ND	mg/kg dry	0.0048	100	1	08/24/07
Methyl tert-Butyl Ether	ND	mg/kg dry	0.0048	0.1	1	08/24/07
Methylene Chloride	ND	mg/kg dry	0.0242	0.1	1	08/24/07
Naphthalene	ND	mg/kg dry	0.0048	4	1	08/24/07
n-Butylbenzene	ND	mg/kg dry	0.0048	100	1	08/24/07
n-Propylbenzene	ND	mg/kg dry	0.0048	100	1	08/24/07
sec-Butylbenzene	ND	mg/kg dry	0.0048	100	1	08/24/07
Styrene	ND	mg/kg dry	0.0048	3	1	08/24/07
tert-Butylbenzene	ND	mg/kg dry	0.0048	100	1	08/24/07
Tertiary-amyl methyl ether	ND	mg/kg dry	0.0048		1	08/24/07
Tetrachloroethene	ND	mg/kg dry	0.0048	1	1	08/24/07
Tetrahydrofuran	ND	mg/kg dry	0.0048		1	08/24/07
Toluene	ND	mg/kg dry	0.0048	30	1	08/24/07
trans-1,2-Dichloroethene	ND	mg/kg dry	0.0048	1	1	08/24/07
trans-1,3-Dichloropropene	ND	mg/kg dry	0.0048	0.01	1	08/24/07
Trichloroethene	ND	mg/kg dry	0.0048	0.3	1	08/24/07
Trichlorofluoromethane	ND	mg/kg dry	0.0048		1	08/24/07
Vinyl Chloride	ND	mg/kg dry	0.0097	0.9	1	08/24/07
Xylene O	ND	mg/kg dry	0.0048	400	1	08/24/07
Xylene P,M	ND	mg/kg dry	0.0097	400	1	08/24/07

CERTIFICATE OF ANALYSIS

Client Name: Alpha Analytical
Client Project ID: Alpha Analytical Sampling
Client Sample ID: L0712213-02
Date Sampled: 08/23/07 09:20
Percent Solids: 94
Initial Volume: 1
Final Volume: 1
Extraction Method: [CALC]

ESS Laboratory Work Order: 0708357
ESS Laboratory Sample ID: 0708357-02
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Low Level

Xylenes (Total)	ND	mg/kg dry	0.0145	400	0	08/24/07

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*0.5 %*	*+*	*70-130*
Surrogate: 4-Bromofluorobenzene	*0.2 %*	*+*	*70-130*
Surrogate: Dibromofluoromethane	*0.8 %*	*+*	*70-130*
Surrogate: Toluene-d8	*0.08 %*	*+*	*70-130*

CERTIFICATE OF ANALYSIS

Client Name: Alpha Analytical
Client Project ID: Alpha Analytical Sampling
Client Sample ID: L0712213-03
Date Sampled: 08/23/07 09:25
Percent Solids: 95
Initial Volume: 5.5
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0708357
ESS Laboratory Sample ID: 0708357-03
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results	Units	MRL	MA - S2GW1 Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane	ND	mg/kg dry	0.0048	0.1	1	08/24/07
1,1,1-Trichloroethane	ND	mg/kg dry	0.0048	30	1	08/24/07
1,1,2,2-Tetrachloroethane	ND	mg/kg dry	0.0048	0.005	1	08/24/07
1,1,2-Trichloroethane	ND	mg/kg dry	0.0048	0.1	1	08/24/07
1,1-Dichloroethane	ND	mg/kg dry	0.0048	0.4	1	08/24/07
1,1-Dichloroethene	ND	mg/kg dry	0.0048	3	1	08/24/07
1,1-Dichloropropene	ND	mg/kg dry	0.0048		1	08/24/07
1,2,3-Trichlorobenzene	ND	mg/kg dry	0.0048		1	08/24/07
1,2,3-Trichloropropane	ND	mg/kg dry	0.0048		1	08/24/07
1,2,4-Trichlorobenzene	ND	mg/kg dry	0.0048	2	1	08/24/07
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.0048	100	1	08/24/07
1,2-Dibromo-3-Chloropropane	ND	mg/kg dry	0.0048		1	08/24/07
1,2-Dibromoethane	ND	mg/kg dry	0.0048	0.1	1	08/24/07
1,2-Dichlorobenzene	ND	mg/kg dry	0.0048	9	1	08/24/07
1,2-Dichloroethane	ND	mg/kg dry	0.0048	0.1	1	08/24/07
1,2-Dichloropropane	ND	mg/kg dry	0.0048	0.1	1	08/24/07
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.0048	100	1	08/24/07
1,3-Dichlorobenzene	ND	mg/kg dry	0.0048	1	1	08/24/07
1,3-Dichloropropane	ND	mg/kg dry	0.0048		1	08/24/07
1,4-Dichlorobenzene	ND	mg/kg dry	0.0048	0.7	1	08/24/07
1,4-Dioxane - Screen	ND	mg/kg dry	0.239		1	08/24/07
2,2-Dichloropropane	ND	mg/kg dry	0.0048		1	08/24/07
2-Butanone	ND	mg/kg dry	0.0478	0.3	1	08/24/07
2-Chlorotoluene	ND	mg/kg dry	0.0048		1	08/24/07
2-Hexanone	ND	mg/kg dry	0.0478		1	08/24/07
4-Chlorotoluene	ND	mg/kg dry	0.0048		1	08/24/07
4-Isopropyltoluene	ND	mg/kg dry	0.0048	100	1	08/24/07
4-Methyl-2-Pentanone	ND	mg/kg dry	0.0478	0.4	1	08/24/07
Acetone	ND	mg/kg dry	0.0478	3	1	08/24/07
Benzene	ND	mg/kg dry	0.0048	2	1	08/24/07
Bromobenzene	ND	mg/kg dry	0.0048		1	08/24/07
Bromochloromethane	ND	mg/kg dry	0.0048		1	08/24/07
Bromodichloromethane	ND	mg/kg dry	0.0048	0.1	1	08/24/07
Bromoform	ND	mg/kg dry	0.0048	0.1	1	08/24/07
Bromomethane	ND	mg/kg dry	0.0096	10	1	08/24/07

CERTIFICATE OF ANALYSIS

Client Name: Alpha Analytical
Client Project ID: Alpha Analytical Sampling
Client Sample ID: L0712213-03
Date Sampled: 08/23/07 09:25
Percent Solids: 95
Initial Volume: 5.5
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0708357
ESS Laboratory Sample ID: 0708357-03
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Low Level

Carbon Disulfide	ND	mg/kg dry	0.0048		1	08/24/07
Carbon Tetrachloride	ND	mg/kg dry	0.0048	10	1	08/24/07
Chlorobenzene	ND	mg/kg dry	0.0048	1	1	08/24/07
Chloroethane	ND	mg/kg dry	0.0096		1	08/24/07
Chloroform	ND	mg/kg dry	0.0048	0.1	1	08/24/07
Chloromethane	ND	mg/kg dry	0.0096		1	08/24/07
cis-1,2-Dichloroethene	ND	mg/kg dry	0.0048	0.3	1	08/24/07
cis-1,3-Dichloropropene	ND	mg/kg dry	0.0048	0.01	1	08/24/07
Dibromochloromethane	ND	mg/kg dry	0.0048	0.005	1	08/24/07
Dibromomethane	ND	mg/kg dry	0.0048		1	08/24/07
Dichlorodifluoromethane	ND	mg/kg dry	0.0096		1	08/24/07
Diethyl Ether	ND	mg/kg dry	0.0048		1	08/24/07
Di-isopropyl ether	ND	mg/kg dry	0.0048		1	08/24/07
Ethyl tertiary-butyl ether	ND	mg/kg dry	0.0048		1	08/24/07
Ethylbenzene	ND	mg/kg dry	0.0048	80	1	08/24/07
Hexachlorobutadiene	ND	mg/kg dry	0.0048	90	1	08/24/07
Isopropylbenzene	ND	mg/kg dry	0.0048	100	1	08/24/07
Methyl tert-Butyl Ether	ND	mg/kg dry	0.0048	0.1	1	08/24/07
Methylene Chloride	ND	mg/kg dry	0.0239	0.1	1	08/24/07
Naphthalene	ND	mg/kg dry	0.0048	4	1	08/24/07
n-Butylbenzene	ND	mg/kg dry	0.0048	100	1	08/24/07
n-Propylbenzene	ND	mg/kg dry	0.0048	100	1	08/24/07
sec-Butylbenzene	ND	mg/kg dry	0.0048	100	1	08/24/07
Styrene	ND	mg/kg dry	0.0048	3	1	08/24/07
tert-Butylbenzene	ND	mg/kg dry	0.0048	100	1	08/24/07
Tertiary-amyl methyl ether	ND	mg/kg dry	0.0048		1	08/24/07
Tetrachloroethene	ND	mg/kg dry	0.0048	1	1	08/24/07
Tetrahydrofuran	ND	mg/kg dry	0.0048		1	08/24/07
Toluene	ND	mg/kg dry	0.0048	30	1	08/24/07
trans-1,2-Dichloroethene	ND	mg/kg dry	0.0048	1	1	08/24/07
trans-1,3-Dichloropropene	ND	mg/kg dry	0.0048	0.01	1	08/24/07
Trichloroethene	ND	mg/kg dry	0.0048	0.3	1	08/24/07
Trichlorofluoromethane	ND	mg/kg dry	0.0048		1	08/24/07
Vinyl Chloride	ND	mg/kg dry	0.0096	0.9	1	08/24/07
Xylene O	ND	mg/kg dry	0.0048	400	1	08/24/07
Xylene P,M	ND	mg/kg dry	0.0096	400	1	08/24/07

CERTIFICATE OF ANALYSIS

Client Name: Alpha Analytical
Client Project ID: Alpha Analytical Sampling
Client Sample ID: L0712213-03
Date Sampled: 08/23/07 09:25
Percent Solids: 95
Initial Volume: 1
Final Volume: 1
Extraction Method: [CALC]

ESS Laboratory Work Order: 0708357
ESS Laboratory Sample ID: 0708357-03
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Low Level

Xylenes (Total)	ND	mg/kg dry	0.0144	400	0	08/24/07

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*0.3 %*	*+*	*70-130*
Surrogate: 4-Bromofluorobenzene	*0.2 %*	*+*	*70-130*
Surrogate: Dibromofluoromethane	*0.7 %*	*+*	*70-130*
Surrogate: Toluene-d8	*0.1 %*	*+*	*70-130*

CERTIFICATE OF ANALYSIS

Client Name: Alpha Analytical
Client Project ID: Alpha Analytical Sampling
Client Sample ID: L0712213-04
Date Sampled: 08/23/07 09:30
Percent Solids: 93
Initial Volume: 5.8
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0708357
ESS Laboratory Sample ID: 0708357-04
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Low Level

MA - S2GW1

Analyte	Results	Units	MRL	Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane	ND	mg/kg dry	0.0046	0.1	1	08/24/07
1,1,1-Trichloroethane	ND	mg/kg dry	0.0046	30	1	08/24/07
1,1,2,2-Tetrachloroethane	ND	mg/kg dry	0.0046	0.005	1	08/24/07
1,1,2-Trichloroethane	ND	mg/kg dry	0.0046	0.1	1	08/24/07
1,1-Dichloroethane	ND	mg/kg dry	0.0046	0.4	1	08/24/07
1,1-Dichloroethene	ND	mg/kg dry	0.0046	3	1	08/24/07
1,1-Dichloropropene	ND	mg/kg dry	0.0046		1	08/24/07
1,2,3-Trichlorobenzene	ND	mg/kg dry	0.0046		1	08/24/07
1,2,3-Trichloropropane	ND	mg/kg dry	0.0046		1	08/24/07
1,2,4-Trichlorobenzene	ND	mg/kg dry	0.0046	2	1	08/24/07
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.0046	100	1	08/24/07
1,2-Dibromo-3-Chloropropane	ND	mg/kg dry	0.0046		1	08/24/07
1,2-Dibromoethane	ND	mg/kg dry	0.0046	0.1	1	08/24/07
1,2-Dichlorobenzene	ND	mg/kg dry	0.0046	9	1	08/24/07
1,2-Dichloroethane	ND	mg/kg dry	0.0046	0.1	1	08/24/07
1,2-Dichloropropane	ND	mg/kg dry	0.0046	0.1	1	08/24/07
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.0046	100	1	08/24/07
1,3-Dichlorobenzene	ND	mg/kg dry	0.0046	1	1	08/24/07
1,3-Dichloropropane	ND	mg/kg dry	0.0046		1	08/24/07
1,4-Dichlorobenzene	ND	mg/kg dry	0.0046	0.7	1	08/24/07
1,4-Dioxane - Screen	ND	mg/kg dry	0.232		1	08/24/07
2,2-Dichloropropane	ND	mg/kg dry	0.0046		1	08/24/07
2-Butanone	ND	mg/kg dry	0.0463	0.3	1	08/24/07
2-Chlorotoluene	ND	mg/kg dry	0.0046		1	08/24/07
2-Hexanone	ND	mg/kg dry	0.0463		1	08/24/07
4-Chlorotoluene	ND	mg/kg dry	0.0046		1	08/24/07
4-Isopropyltoluene	ND	mg/kg dry	0.0046	100	1	08/24/07
4-Methyl-2-Pentanone	ND	mg/kg dry	0.0463	0.4	1	08/24/07
Acetone	ND	mg/kg dry	0.0463	3	1	08/24/07
Benzene	ND	mg/kg dry	0.0046	2	1	08/24/07
Bromobenzene	ND	mg/kg dry	0.0046		1	08/24/07
Bromochloromethane	ND	mg/kg dry	0.0046		1	08/24/07
Bromodichloromethane	ND	mg/kg dry	0.0046	0.1	1	08/24/07
Bromoform	ND	mg/kg dry	0.0046	0.1	1	08/24/07
Bromomethane	ND	mg/kg dry	0.0093	10	1	08/24/07

CERTIFICATE OF ANALYSIS

Client Name: Alpha Analytical
Client Project ID: Alpha Analytical Sampling
Client Sample ID: L0712213-04
Date Sampled: 08/23/07 09:30
Percent Solids: 93
Initial Volume: 5.8
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0708357
ESS Laboratory Sample ID: 0708357-04
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Low Level

Carbon Disulfide	ND	mg/kg dry	0.0046		1	08/24/07
Carbon Tetrachloride	ND	mg/kg dry	0.0046	10	1	08/24/07
Chlorobenzene	ND	mg/kg dry	0.0046	1	1	08/24/07
Chloroethane	ND	mg/kg dry	0.0093		1	08/24/07
Chloroform	ND	mg/kg dry	0.0046	0.1	1	08/24/07
Chloromethane	ND	mg/kg dry	0.0093		1	08/24/07
cis-1,2-Dichloroethene	ND	mg/kg dry	0.0046	0.3	1	08/24/07
cis-1,3-Dichloropropene	ND	mg/kg dry	0.0046	0.01	1	08/24/07
Dibromochloromethane	ND	mg/kg dry	0.0046	0.005	1	08/24/07
Dibromomethane	ND	mg/kg dry	0.0046		1	08/24/07
Dichlorodifluoromethane	ND	mg/kg dry	0.0093		1	08/24/07
Diethyl Ether	ND	mg/kg dry	0.0046		1	08/24/07
Di-isopropyl ether	ND	mg/kg dry	0.0046		1	08/24/07
Ethyl tertiary-butyl ether	ND	mg/kg dry	0.0046		1	08/24/07
Ethylbenzene	ND	mg/kg dry	0.0046	80	1	08/24/07
Hexachlorobutadiene	ND	mg/kg dry	0.0046	90	1	08/24/07
Isopropylbenzene	ND	mg/kg dry	0.0046	100	1	08/24/07
Methyl tert-Butyl Ether	ND	mg/kg dry	0.0046	0.1	1	08/24/07
Methylene Chloride	ND	mg/kg dry	0.0232	0.1	1	08/24/07
Naphthalene	ND	mg/kg dry	0.0046	4	1	08/24/07
n-Butylbenzene	ND	mg/kg dry	0.0046	100	1	08/24/07
n-Propylbenzene	ND	mg/kg dry	0.0046	100	1	08/24/07
sec-Butylbenzene	ND	mg/kg dry	0.0046	100	1	08/24/07
Styrene	ND	mg/kg dry	0.0046	3	1	08/24/07
tert-Butylbenzene	ND	mg/kg dry	0.0046	100	1	08/24/07
Tertiary-amyl methyl ether	ND	mg/kg dry	0.0046		1	08/24/07
Tetrachloroethene	ND	mg/kg dry	0.0046	1	1	08/24/07
Tetrahydrofuran	ND	mg/kg dry	0.0046		1	08/24/07
Toluene	ND	mg/kg dry	0.0046	30	1	08/24/07
trans-1,2-Dichloroethene	ND	mg/kg dry	0.0046	1	1	08/24/07
trans-1,3-Dichloropropene	ND	mg/kg dry	0.0046	0.01	1	08/24/07
Trichloroethene	ND	mg/kg dry	0.0046	0.3	1	08/24/07
Trichlorofluoromethane	ND	mg/kg dry	0.0046		1	08/24/07
Vinyl Chloride	ND	mg/kg dry	0.0093	0.9	1	08/24/07
Xylene O	ND	mg/kg dry	0.0046	400	1	08/24/07
Xylene P,M	ND	mg/kg dry	0.0093	400	1	08/24/07

CERTIFICATE OF ANALYSIS

Client Name: Alpha Analytical
Client Project ID: Alpha Analytical Sampling
Client Sample ID: L0712213-04
Date Sampled: 08/23/07 09:30
Percent Solids: 93
Initial Volume: 1
Final Volume: 1
Extraction Method: [CALC]

ESS Laboratory Work Order: 0708357
ESS Laboratory Sample ID: 0708357-04
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Low Level

Xylenes (Total)	ND	mg/kg dry	0.0139	400	0	08/24/07

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*0.3 %*	*+*	*70-130*
Surrogate: 4-Bromofluorobenzene	*0.1 %*	*+*	*70-130*
Surrogate: Dibromofluoromethane	*0.6 %*	*+*	*70-130*
Surrogate: Toluene-d8	*0.04 %*	*+*	*70-130*

CERTIFICATE OF ANALYSIS

Client Name: Alpha Analytical
Client Project ID: Alpha Analytical Sampling
Client Sample ID: L0712213-05
Date Sampled: 08/23/07 09:35
Percent Solids: 90
Initial Volume: 5.8
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0708357
ESS Laboratory Sample ID: 0708357-05
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results	Units	MRL	MA - S2GW1 Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane	ND	mg/kg dry	0.0048	0.1	1	08/24/07
1,1,1-Trichloroethane	ND	mg/kg dry	0.0048	30	1	08/24/07
1,1,2,2-Tetrachloroethane	ND	mg/kg dry	0.0048	0.005	1	08/24/07
1,1,2-Trichloroethane	ND	mg/kg dry	0.0048	0.1	1	08/24/07
1,1-Dichloroethane	ND	mg/kg dry	0.0048	0.4	1	08/24/07
1,1-Dichloroethene	ND	mg/kg dry	0.0048	3	1	08/24/07
1,1-Dichloropropene	ND	mg/kg dry	0.0048		1	08/24/07
1,2,3-Trichlorobenzene	ND	mg/kg dry	0.0048		1	08/24/07
1,2,3-Trichloropropane	ND	mg/kg dry	0.0048		1	08/24/07
1,2,4-Trichlorobenzene	ND	mg/kg dry	0.0048	2	1	08/24/07
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.0048	100	1	08/24/07
1,2-Dibromo-3-Chloropropane	ND	mg/kg dry	0.0048		1	08/24/07
1,2-Dibromoethane	ND	mg/kg dry	0.0048	0.1	1	08/24/07
1,2-Dichlorobenzene	ND	mg/kg dry	0.0048	9	1	08/24/07
1,2-Dichloroethane	ND	mg/kg dry	0.0048	0.1	1	08/24/07
1,2-Dichloropropane	ND	mg/kg dry	0.0048	0.1	1	08/24/07
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.0048	100	1	08/24/07
1,3-Dichlorobenzene	ND	mg/kg dry	0.0048	1	1	08/24/07
1,3-Dichloropropane	ND	mg/kg dry	0.0048		1	08/24/07
1,4-Dichlorobenzene	ND	mg/kg dry	0.0048	0.7	1	08/24/07
1,4-Dioxane - Screen	ND	mg/kg dry	0.239		1	08/24/07
2,2-Dichloropropane	ND	mg/kg dry	0.0048		1	08/24/07
2-Butanone	ND	mg/kg dry	0.0479	0.3	1	08/24/07
2-Chlorotoluene	ND	mg/kg dry	0.0048		1	08/24/07
2-Hexanone	ND	mg/kg dry	0.0479		1	08/24/07
4-Chlorotoluene	ND	mg/kg dry	0.0048		1	08/24/07
4-Isopropyltoluene	ND	mg/kg dry	0.0048	100	1	08/24/07
4-Methyl-2-Pentanone	ND	mg/kg dry	0.0479	0.4	1	08/24/07
Acetone	ND	mg/kg dry	0.0479	3	1	08/24/07
Benzene	ND	mg/kg dry	0.0048	2	1	08/24/07
Bromobenzene	ND	mg/kg dry	0.0048		1	08/24/07
Bromochloromethane	ND	mg/kg dry	0.0048		1	08/24/07
Bromodichloromethane	ND	mg/kg dry	0.0048	0.1	1	08/24/07
Bromoform	ND	mg/kg dry	0.0048	0.1	1	08/24/07
Bromomethane	ND	mg/kg dry	0.0096	10	1	08/24/07

CERTIFICATE OF ANALYSIS

Client Name: Alpha Analytical
Client Project ID: Alpha Analytical Sampling
Client Sample ID: L0712213-05
Date Sampled: 08/23/07 09:35
Percent Solids: 90
Initial Volume: 5.8
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0708357
ESS Laboratory Sample ID: 0708357-05
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Low Level

Carbon Disulfide	ND	mg/kg dry	0.0048		1	08/24/07
Carbon Tetrachloride	ND	mg/kg dry	0.0048	10	1	08/24/07
Chlorobenzene	ND	mg/kg dry	0.0048	1	1	08/24/07
Chloroethane	ND	mg/kg dry	0.0096		1	08/24/07
Chloroform	ND	mg/kg dry	0.0048	0.1	1	08/24/07
Chloromethane	ND	mg/kg dry	0.0096		1	08/24/07
cis-1,2-Dichloroethene	ND	mg/kg dry	0.0048	0.3	1	08/24/07
cis-1,3-Dichloropropene	ND	mg/kg dry	0.0048	0.01	1	08/24/07
Dibromochloromethane	ND	mg/kg dry	0.0048	0.005	1	08/24/07
Dibromomethane	ND	mg/kg dry	0.0048		1	08/24/07
Dichlorodifluoromethane	ND	mg/kg dry	0.0096		1	08/24/07
Diethyl Ether	ND	mg/kg dry	0.0048		1	08/24/07
Di-isopropyl ether	ND	mg/kg dry	0.0048		1	08/24/07
Ethyl tertiary-butyl ether	ND	mg/kg dry	0.0048		1	08/24/07
Ethylbenzene	ND	mg/kg dry	0.0048	80	1	08/24/07
Hexachlorobutadiene	ND	mg/kg dry	0.0048	90	1	08/24/07
Isopropylbenzene	ND	mg/kg dry	0.0048	100	1	08/24/07
Methyl tert-Butyl Ether	ND	mg/kg dry	0.0048	0.1	1	08/24/07
Methylene Chloride	ND	mg/kg dry	0.0239	0.1	1	08/24/07
Naphthalene	ND	mg/kg dry	0.0048	4	1	08/24/07
n-Butylbenzene	ND	mg/kg dry	0.0048	100	1	08/24/07
n-Propylbenzene	ND	mg/kg dry	0.0048	100	1	08/24/07
sec-Butylbenzene	ND	mg/kg dry	0.0048	100	1	08/24/07
Styrene	ND	mg/kg dry	0.0048	3	1	08/24/07
tert-Butylbenzene	ND	mg/kg dry	0.0048	100	1	08/24/07
Tertiary-amyl methyl ether	ND	mg/kg dry	0.0048		1	08/24/07
Tetrachloroethene	ND	mg/kg dry	0.0048	1	1	08/24/07
Tetrahydrofuran	ND	mg/kg dry	0.0048		1	08/24/07
Toluene	ND	mg/kg dry	0.0048	30	1	08/24/07
trans-1,2-Dichloroethene	ND	mg/kg dry	0.0048	1	1	08/24/07
trans-1,3-Dichloropropene	ND	mg/kg dry	0.0048	0.01	1	08/24/07
Trichloroethene	ND	mg/kg dry	0.0048	0.3	1	08/24/07
Trichlorofluoromethane	ND	mg/kg dry	0.0048		1	08/24/07
Vinyl Chloride	ND	mg/kg dry	0.0096	0.9	1	08/24/07
Xylene O	ND	mg/kg dry	0.0048	400	1	08/24/07
Xylene P,M	ND	mg/kg dry	0.0096	400	1	08/24/07

CERTIFICATE OF ANALYSIS

Client Name: Alpha Analytical
Client Project ID: Alpha Analytical Sampling
Client Sample ID: L0712213-05
Date Sampled: 08/23/07 09:35
Percent Solids: 90
Initial Volume: 1
Final Volume: 1
Extraction Method: [CALC]

ESS Laboratory Work Order: 0708357
ESS Laboratory Sample ID: 0708357-05
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Low Level

Xylenes (Total)	ND	mg/kg dry	0.0144	400	0	08/24/07

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*0.6 %*	+	*70-130*
Surrogate: 4-Bromofluorobenzene	*0.2 %*	+	*70-130*
Surrogate: Dibromofluoromethane	*0.6 %*	+	*70-130*
Surrogate: Toluene-d8	*0.08 %*	+	*70-130*

CERTIFICATE OF ANALYSIS

Client Name: Alpha Analytical
Client Project ID: Alpha Analytical Sampling
Client Sample ID: L0712213-06
Date Sampled: 08/23/07 09:40
Percent Solids: 89
Initial Volume: 5.6
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0708357
ESS Laboratory Sample ID: 0708357-06
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results	Units	MRL	MA - S2GW1 Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane	ND	mg/kg dry	0.0050	0.1	1	08/24/07
1,1,1-Trichloroethane	ND	mg/kg dry	0.0050	30	1	08/24/07
1,1,2,2-Tetrachloroethane	ND	mg/kg dry	0.0050	0.005	1	08/24/07
1,1,2-Trichloroethane	ND	mg/kg dry	0.0050	0.1	1	08/24/07
1,1-Dichloroethane	ND	mg/kg dry	0.0050	0.4	1	08/24/07
1,1-Dichloroethene	ND	mg/kg dry	0.0050	3	1	08/24/07
1,1-Dichloropropene	ND	mg/kg dry	0.0050		1	08/24/07
1,2,3-Trichlorobenzene	ND	mg/kg dry	0.0050		1	08/24/07
1,2,3-Trichloropropane	ND	mg/kg dry	0.0050		1	08/24/07
1,2,4-Trichlorobenzene	ND	mg/kg dry	0.0050	2	1	08/24/07
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.0050	100	1	08/24/07
1,2-Dibromo-3-Chloropropane	ND	mg/kg dry	0.0050		1	08/24/07
1,2-Dibromoethane	ND	mg/kg dry	0.0050	0.1	1	08/24/07
1,2-Dichlorobenzene	ND	mg/kg dry	0.0050	9	1	08/24/07
1,2-Dichloroethane	ND	mg/kg dry	0.0050	0.1	1	08/24/07
1,2-Dichloropropane	ND	mg/kg dry	0.0050	0.1	1	08/24/07
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.0050	100	1	08/24/07
1,3-Dichlorobenzene	ND	mg/kg dry	0.0050	1	1	08/24/07
1,3-Dichloropropane	ND	mg/kg dry	0.0050		1	08/24/07
1,4-Dichlorobenzene	ND	mg/kg dry	0.0050	0.7	1	08/24/07
1,4-Dioxane - Screen	ND	mg/kg dry	0.251		1	08/24/07
2,2-Dichloropropane	ND	mg/kg dry	0.0050		1	08/24/07
2-Butanone	ND	mg/kg dry	0.0502	0.3	1	08/24/07
2-Chlorotoluene	ND	mg/kg dry	0.0050		1	08/24/07
2-Hexanone	ND	mg/kg dry	0.0502		1	08/24/07
4-Chlorotoluene	ND	mg/kg dry	0.0050		1	08/24/07
4-Isopropyltoluene	ND	mg/kg dry	0.0050	100	1	08/24/07
4-Methyl-2-Pentanone	ND	mg/kg dry	0.0502	0.4	1	08/24/07
Acetone	ND	mg/kg dry	0.0502	3	1	08/24/07
Benzene	ND	mg/kg dry	0.0050	2	1	08/24/07
Bromobenzene	ND	mg/kg dry	0.0050		1	08/24/07
Bromochloromethane	ND	mg/kg dry	0.0050		1	08/24/07
Bromodichloromethane	ND	mg/kg dry	0.0050	0.1	1	08/24/07
Bromoform	ND	mg/kg dry	0.0050	0.1	1	08/24/07
Bromomethane	ND	mg/kg dry	0.0100	10	1	08/24/07

CERTIFICATE OF ANALYSIS

Client Name: Alpha Analytical
Client Project ID: Alpha Analytical Sampling
Client Sample ID: L0712213-06
Date Sampled: 08/23/07 09:40
Percent Solids: 89
Initial Volume: 5.6
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0708357
ESS Laboratory Sample ID: 0708357-06
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Low Level

Carbon Disulfide	ND	mg/kg dry	0.0050		1	08/24/07
Carbon Tetrachloride	ND	mg/kg dry	0.0050	10	1	08/24/07
Chlorobenzene	ND	mg/kg dry	0.0050	1	1	08/24/07
Chloroethane	ND	mg/kg dry	0.0100		1	08/24/07
Chloroform	ND	mg/kg dry	0.0050	0.1	1	08/24/07
Chloromethane	ND	mg/kg dry	0.0100		1	08/24/07
cis-1,2-Dichloroethene	ND	mg/kg dry	0.0050	0.3	1	08/24/07
cis-1,3-Dichloropropene	ND	mg/kg dry	0.0050	0.01	1	08/24/07
Dibromochloromethane	ND	mg/kg dry	0.0050	0.005	1	08/24/07
Dibromomethane	ND	mg/kg dry	0.0050		1	08/24/07
Dichlorodifluoromethane	ND	mg/kg dry	0.0100		1	08/24/07
Diethyl Ether	ND	mg/kg dry	0.0050		1	08/24/07
Di-isopropyl ether	ND	mg/kg dry	0.0050		1	08/24/07
Ethyl tertiary-butyl ether	ND	mg/kg dry	0.0050		1	08/24/07
Ethylbenzene	ND	mg/kg dry	0.0050	80	1	08/24/07
Hexachlorobutadiene	ND	mg/kg dry	0.0050	90	1	08/24/07
Isopropylbenzene	ND	mg/kg dry	0.0050	100	1	08/24/07
Methyl tert-Butyl Ether	ND	mg/kg dry	0.0050	0.1	1	08/24/07
Methylene Chloride	ND	mg/kg dry	0.0251	0.1	1	08/24/07
Naphthalene	ND	mg/kg dry	0.0050	4	1	08/24/07
n-Butylbenzene	ND	mg/kg dry	0.0050	100	1	08/24/07
n-Propylbenzene	ND	mg/kg dry	0.0050	100	1	08/24/07
sec-Butylbenzene	ND	mg/kg dry	0.0050	100	1	08/24/07
Styrene	ND	mg/kg dry	0.0050	3	1	08/24/07
tert-Butylbenzene	ND	mg/kg dry	0.0050	100	1	08/24/07
Tertiary-amyl methyl ether	ND	mg/kg dry	0.0050		1	08/24/07
Tetrachloroethene	ND	mg/kg dry	0.0050	1	1	08/24/07
Tetrahydrofuran	ND	mg/kg dry	0.0050		1	08/24/07
Toluene	ND	mg/kg dry	0.0050	30	1	08/24/07
trans-1,2-Dichloroethene	ND	mg/kg dry	0.0050	1	1	08/24/07
trans-1,3-Dichloropropene	ND	mg/kg dry	0.0050	0.01	1	08/24/07
Trichloroethene	ND	mg/kg dry	0.0050	0.3	1	08/24/07
Trichlorofluoromethane	ND	mg/kg dry	0.0050		1	08/24/07
Vinyl Chloride	ND	mg/kg dry	0.0100	0.9	1	08/24/07
Xylene O	ND	mg/kg dry	0.0050	400	1	08/24/07
Xylene P,M	ND	mg/kg dry	0.0100	400	1	08/24/07

CERTIFICATE OF ANALYSIS

Client Name: Alpha Analytical
Client Project ID: Alpha Analytical Sampling
Client Sample ID: L0712213-06
Date Sampled: 08/23/07 09:40
Percent Solids: 89
Initial Volume: 1
Final Volume: 1
Extraction Method: [CALC]

ESS Laboratory Work Order: 0708357
ESS Laboratory Sample ID: 0708357-06
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Low Level

Xylenes (Total)	ND	mg/kg dry	0.0150	400	0	08/24/07

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	%	+	*70-130*
Surrogate: 4-Bromofluorobenzene	%	+	*70-130*
Surrogate: Dibromofluoromethane	%	+	*70-130*
Surrogate: Toluene-d8	%	+	*70-130*

CERTIFICATE OF ANALYSIS

Client Name: Alpha Analytical
Client Project ID: Alpha Analytical Sampling
Client Sample ID: L0712213-07
Date Sampled: 08/23/07 00:00
Percent Solids: 96
Initial Volume: 5.5
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0708357
ESS Laboratory Sample ID: 0708357-07
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results	Units	MRL	MA - S2GW1 Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane	ND	mg/kg dry	0.0047	0.1	1	08/24/07
1,1,1-Trichloroethane	ND	mg/kg dry	0.0047	30	1	08/24/07
1,1,2,2-Tetrachloroethane	ND	mg/kg dry	0.0047	0.005	1	08/24/07
1,1,2-Trichloroethane	ND	mg/kg dry	0.0047	0.1	1	08/24/07
1,1-Dichloroethane	ND	mg/kg dry	0.0047	0.4	1	08/24/07
1,1-Dichloroethene	ND	mg/kg dry	0.0047	3	1	08/24/07
1,1-Dichloropropene	ND	mg/kg dry	0.0047		1	08/24/07
1,2,3-Trichlorobenzene	ND	mg/kg dry	0.0047		1	08/24/07
1,2,3-Trichloropropane	ND	mg/kg dry	0.0047		1	08/24/07
1,2,4-Trichlorobenzene	ND	mg/kg dry	0.0047	2	1	08/24/07
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.0047	100	1	08/24/07
1,2-Dibromo-3-Chloropropane	ND	mg/kg dry	0.0047		1	08/24/07
1,2-Dibromoethane	ND	mg/kg dry	0.0047	0.1	1	08/24/07
1,2-Dichlorobenzene	ND	mg/kg dry	0.0047	9	1	08/24/07
1,2-Dichloroethane	ND	mg/kg dry	0.0047	0.1	1	08/24/07
1,2-Dichloropropane	ND	mg/kg dry	0.0047	0.1	1	08/24/07
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.0047	100	1	08/24/07
1,3-Dichlorobenzene	ND	mg/kg dry	0.0047	1	1	08/24/07
1,3-Dichloropropane	ND	mg/kg dry	0.0047		1	08/24/07
1,4-Dichlorobenzene	ND	mg/kg dry	0.0047	0.7	1	08/24/07
1,4-Dioxane - Screen	ND	mg/kg dry	0.237		1	08/24/07
2,2-Dichloropropane	ND	mg/kg dry	0.0047		1	08/24/07
2-Butanone	ND	mg/kg dry	0.0473	0.3	1	08/24/07
2-Chlorotoluene	ND	mg/kg dry	0.0047		1	08/24/07
2-Hexanone	ND	mg/kg dry	0.0473		1	08/24/07
4-Chlorotoluene	ND	mg/kg dry	0.0047		1	08/24/07
4-Isopropyltoluene	ND	mg/kg dry	0.0047	100	1	08/24/07
4-Methyl-2-Pentanone	ND	mg/kg dry	0.0473	0.4	1	08/24/07
Acetone	ND	mg/kg dry	0.0473	3	1	08/24/07
Benzene	ND	mg/kg dry	0.0047	2	1	08/24/07
Bromobenzene	ND	mg/kg dry	0.0047		1	08/24/07
Bromochloromethane	ND	mg/kg dry	0.0047		1	08/24/07
Bromodichloromethane	ND	mg/kg dry	0.0047	0.1	1	08/24/07
Bromoform	ND	mg/kg dry	0.0047	0.1	1	08/24/07
Bromomethane	ND	mg/kg dry	0.0095	10	1	08/24/07

CERTIFICATE OF ANALYSIS

Client Name: Alpha Analytical
Client Project ID: Alpha Analytical Sampling
Client Sample ID: L0712213-07
Date Sampled: 08/23/07 00:00
Percent Solids: 96
Initial Volume: 5.5
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0708357
ESS Laboratory Sample ID: 0708357-07
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Low Level

Carbon Disulfide	ND	mg/kg dry	0.0047		1	08/24/07
Carbon Tetrachloride	ND	mg/kg dry	0.0047	10	1	08/24/07
Chlorobenzene	ND	mg/kg dry	0.0047	1	1	08/24/07
Chloroethane	ND	mg/kg dry	0.0095		1	08/24/07
Chloroform	ND	mg/kg dry	0.0047	0.1	1	08/24/07
Chloromethane	ND	mg/kg dry	0.0095		1	08/24/07
cis-1,2-Dichloroethene	ND	mg/kg dry	0.0047	0.3	1	08/24/07
cis-1,3-Dichloropropene	ND	mg/kg dry	0.0047	0.01	1	08/24/07
Dibromochloromethane	ND	mg/kg dry	0.0047	0.005	1	08/24/07
Dibromomethane	ND	mg/kg dry	0.0047		1	08/24/07
Dichlorodifluoromethane	ND	mg/kg dry	0.0095		1	08/24/07
Diethyl Ether	ND	mg/kg dry	0.0047		1	08/24/07
Di-isopropyl ether	ND	mg/kg dry	0.0047		1	08/24/07
Ethyl tertiary-butyl ether	ND	mg/kg dry	0.0047		1	08/24/07
Ethylbenzene	ND	mg/kg dry	0.0047	80	1	08/24/07
Hexachlorobutadiene	ND	mg/kg dry	0.0047	90	1	08/24/07
Isopropylbenzene	ND	mg/kg dry	0.0047	100	1	08/24/07
Methyl tert-Butyl Ether	ND	mg/kg dry	0.0047	0.1	1	08/24/07
Methylene Chloride	ND	mg/kg dry	0.0237	0.1	1	08/24/07
Naphthalene	ND	mg/kg dry	0.0047	4	1	08/24/07
n-Butylbenzene	ND	mg/kg dry	0.0047	100	1	08/24/07
n-Propylbenzene	ND	mg/kg dry	0.0047	100	1	08/24/07
sec-Butylbenzene	ND	mg/kg dry	0.0047	100	1	08/24/07
Styrene	ND	mg/kg dry	0.0047	3	1	08/24/07
tert-Butylbenzene	ND	mg/kg dry	0.0047	100	1	08/24/07
Tertiary-amyl methyl ether	ND	mg/kg dry	0.0047		1	08/24/07
Tetrachloroethene	ND	mg/kg dry	0.0047	1	1	08/24/07
Tetrahydrofuran	ND	mg/kg dry	0.0047		1	08/24/07
Toluene	ND	mg/kg dry	0.0047	30	1	08/24/07
trans-1,2-Dichloroethene	ND	mg/kg dry	0.0047	1	1	08/24/07
trans-1,3-Dichloropropene	ND	mg/kg dry	0.0047	0.01	1	08/24/07
Trichloroethene	ND	mg/kg dry	0.0047	0.3	1	08/24/07
Trichlorofluoromethane	ND	mg/kg dry	0.0047		1	08/24/07
Vinyl Chloride	ND	mg/kg dry	0.0095	0.9	1	08/24/07
Xylene O	ND	mg/kg dry	0.0047	400	1	08/24/07
Xylene P,M	ND	mg/kg dry	0.0095	400	1	08/24/07

CERTIFICATE OF ANALYSIS

Client Name: Alpha Analytical
Client Project ID: Alpha Analytical Sampling
Client Sample ID: L0712213-07
Date Sampled: 08/23/07 00:00
Percent Solids: 96
Initial Volume: 1
Final Volume: 1
Extraction Method: [CALC]

ESS Laboratory Work Order: 0708357
ESS Laboratory Sample ID: 0708357-07
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Low Level

Xylenes (Total)	ND	mg/kg dry	0.0142	400	0	08/24/07

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*%*	*+*	*70-130*
Surrogate: 4-Bromofluorobenzene	*0.2 %*	*+*	*70-130*
Surrogate: Dibromofluoromethane	*0.6 %*	*+*	*70-130*
Surrogate: Toluene-d8	*0.04 %*	*+*	*70-130*

CERTIFICATE OF ANALYSIS

Client Name: Alpha Analytical
Client Project ID: Alpha Analytical Sampling
Client Sample ID: Trip Blank L0712213-08
Date Sampled: 08/22/07 00:00
Percent Solids: N/A
Initial Volume: 5
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0708357
ESS Laboratory Sample ID: 0708357-08
Sample Matrix: Solid
Analyst: RES

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results	Units	MRL	MA - S2GW1 Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.005	0.1	1	08/24/07
1,1,1-Trichloroethane	ND	mg/kg	0.005	30	1	08/24/07
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.005	0.005	1	08/24/07
1,1,2-Trichloroethane	ND	mg/kg	0.005	0.1	1	08/24/07
1,1-Dichloroethane	ND	mg/kg	0.005	0.4	1	08/24/07
1,1-Dichloroethene	ND	mg/kg	0.005	3	1	08/24/07
1,1-Dichloropropene	ND	mg/kg	0.005		1	08/24/07
1,2,3-Trichlorobenzene	ND	mg/kg	0.005		1	08/24/07
1,2,3-Trichloropropane	ND	mg/kg	0.005		1	08/24/07
1,2,4-Trichlorobenzene	ND	mg/kg	0.005	2	1	08/24/07
1,2,4-Trimethylbenzene	ND	mg/kg	0.005	100	1	08/24/07
1,2-Dibromo-3-Chloropropane	ND	mg/kg	0.005		1	08/24/07
1,2-Dibromoethane	ND	mg/kg	0.005	0.1	1	08/24/07
1,2-Dichlorobenzene	ND	mg/kg	0.005	9	1	08/24/07
1,2-Dichloroethane	ND	mg/kg	0.005	0.1	1	08/24/07
1,2-Dichloropropane	ND	mg/kg	0.005	0.1	1	08/24/07
1,3,5-Trimethylbenzene	ND	mg/kg	0.005	100	1	08/24/07
1,3-Dichlorobenzene	ND	mg/kg	0.005	1	1	08/24/07
1,3-Dichloropropane	ND	mg/kg	0.005		1	08/24/07
1,4-Dichlorobenzene	ND	mg/kg	0.005	0.7	1	08/24/07
1,4-Dioxane - Screen	ND	mg/kg	0.2		1	08/24/07
2,2-Dichloropropane	ND	mg/kg	0.005		1	08/24/07
2-Butanone	ND	mg/kg	0.05	0.3	1	08/24/07
2-Chlorotoluene	ND	mg/kg	0.005		1	08/24/07
2-Hexanone	ND	mg/kg	0.05		1	08/24/07
4-Chlorotoluene	ND	mg/kg	0.005		1	08/24/07
4-Isopropyltoluene	ND	mg/kg	0.005	100	1	08/24/07
4-Methyl-2-Pentanone	ND	mg/kg	0.05	0.4	1	08/24/07
Acetone	ND	mg/kg	0.05	3	1	08/24/07
Benzene	ND	mg/kg	0.005	2	1	08/24/07
Bromobenzene	ND	mg/kg	0.005		1	08/24/07
Bromochloromethane	ND	mg/kg	0.005		1	08/24/07
Bromodichloromethane	ND	mg/kg	0.005	0.1	1	08/24/07
Bromoform	ND	mg/kg	0.005	0.1	1	08/24/07
Bromomethane	ND	mg/kg	0.01	10	1	08/24/07

CERTIFICATE OF ANALYSIS

Client Name: Alpha Analytical
Client Project ID: Alpha Analytical Sampling
Client Sample ID: Trip Blank L0712213-08
Date Sampled: 08/22/07 00:00
Percent Solids: N/A
Initial Volume: 5
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0708357
ESS Laboratory Sample ID: 0708357-08
Sample Matrix: Solid
Analyst: RES

5035/8260B Volatile Organic Compounds / Low Level

Carbon Disulfide	ND	mg/kg	0.005		1	08/24/07
Carbon Tetrachloride	ND	mg/kg	0.005	10	1	08/24/07
Chlorobenzene	ND	mg/kg	0.005	1	1	08/24/07
Chloroethane	ND	mg/kg	0.01		1	08/24/07
Chloroform	ND	mg/kg	0.005	0.1	1	08/24/07
Chloromethane	ND	mg/kg	0.01		1	08/24/07
cis-1,2-Dichloroethene	ND	mg/kg	0.005	0.3	1	08/24/07
cis-1,3-Dichloropropene	ND	mg/kg	0.005	0.01	1	08/24/07
Dibromochloromethane	ND	mg/kg	0.005	0.005	1	08/24/07
Dibromomethane	ND	mg/kg	0.005		1	08/24/07
Dichlorodifluoromethane	ND	mg/kg	0.01		1	08/24/07
Diethyl Ether	ND	mg/kg	0.005		1	08/24/07
Di-isopropyl ether	ND	mg/kg	0.005		1	08/24/07
Ethyl tertiary-butyl ether	ND	mg/kg	0.005		1	08/24/07
Ethylbenzene	ND	mg/kg	0.005	80	1	08/24/07
Hexachlorobutadiene	ND	mg/kg	0.005	90	1	08/24/07
Isopropylbenzene	ND	mg/kg	0.005	100	1	08/24/07
Methyl tert-Butyl Ether	ND	mg/kg	0.005	0.1	1	08/24/07
Methylene Chloride	ND	mg/kg	0.02	0.1	1	08/24/07
Naphthalene	ND	mg/kg	0.005	4	1	08/24/07
n-Butylbenzene	ND	mg/kg	0.005	100	1	08/24/07
n-Propylbenzene	ND	mg/kg	0.005	100	1	08/24/07
sec-Butylbenzene	ND	mg/kg	0.005	100	1	08/24/07
Styrene	ND	mg/kg	0.005	3	1	08/24/07
tert-Butylbenzene	ND	mg/kg	0.005	100	1	08/24/07
Tertiary-amyl methyl ether	ND	mg/kg	0.005		1	08/24/07
Tetrachloroethene	ND	mg/kg	0.005	1	1	08/24/07
Tetrahydrofuran	ND	mg/kg	0.005		1	08/24/07
Toluene	ND	mg/kg	0.005	30	1	08/24/07
trans-1,2-Dichloroethene	ND	mg/kg	0.005	1	1	08/24/07
trans-1,3-Dichloropropene	ND	mg/kg	0.005	0.01	1	08/24/07
Trichloroethene	ND	mg/kg	0.005	0.3	1	08/24/07
Trichlorofluoromethane	ND	mg/kg	0.005		1	08/24/07
Vinyl Chloride	ND	mg/kg	0.01	0.9	1	08/24/07
Xylene O	ND	mg/kg	0.005	400	1	08/24/07
Xylene P,M	ND	mg/kg	0.01	400	1	08/24/07

CERTIFICATE OF ANALYSIS

Client Name: Alpha Analytical
Client Project ID: Alpha Analytical Sampling
Client Sample ID: Trip Blank L0712213-08
Date Sampled: 08/22/07 00:00
Percent Solids: N/A
Initial Volume: 5
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0708357
ESS Laboratory Sample ID: 0708357-08
Sample Matrix: Solid
Analyst: RES

5035/8260B Volatile Organic Compounds / Low Level

Xylenes (Total)	ND	mg/kg	0.008	400	0	08/24/07

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*0.6 %*	*+*	*70-130*
Surrogate: 4-Bromofluorobenzene	*0.4 %*	*+*	*70-130*
Surrogate: Dibromofluoromethane	*0.7 %*	*+*	*70-130*
Surrogate: Toluene-d8	*0.08 %*	*+*	*70-130*

CERTIFICATE OF ANALYSIS

Client Name: Alpha Analytical
Client Project ID: Alpha Analytical Sampling

ESS Laboratory Work Order: 0708357

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch BH72405 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane - Screen	ND	0.250	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: Alpha Analytical
Client Project ID: Alpha Analytical Sampling

ESS Laboratory Work Order: 0708357

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch BH72405 - 5035										
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.200*		ug/L	*25.0*		*0.8*	*70-130*			*+*
Surrogate: 4-Bromofluorobenzene	*0.100*		ug/L	*25.0*		*0.4*	*70-130*			*+*
Surrogate: Dibromofluoromethane	*0.220*		ug/L	*25.0*		*0.9*	*70-130*			*+*
Surrogate: Toluene-d8	*0.0300*		ug/L	*25.0*		*0.1*	*70-130*			*+*
LCS										
1,1,1,2-Tetrachloroethane	23.6		ug/L	25.0		94	70-130			
1,1,1-Trichloroethane	23.6		ug/L	25.0		94	70-130			
1,1,2,2-Tetrachloroethane	22.6		ug/L	25.0		90	70-130			
1,1,2-Trichloroethane	23.1		ug/L	25.0		92	70-130			
1,1-Dichloroethane	23.4		ug/L	25.0		94	70-130			
1,1-Dichloroethene	23.7		ug/L	25.0		95	70-130			
1,1-Dichloropropene	23.8		ug/L	25.0		95	70-130			
1,2,3-Trichlorobenzene	23.2		ug/L	25.0		93	70-130			
1,2,3-Trichloropropane	22.6		ug/L	25.0		90	70-130			
1,2,4-Trichlorobenzene	23.2		ug/L	25.0		93	70-130			
1,2,4-Trimethylbenzene	23.6		ug/L	25.0		94	70-130			
1,2-Dibromo-3-Chloropropane	22.8		ug/L	25.0		91	70-130			
1,2-Dibromoethane	23.3		ug/L	25.0		93	70-130			
1,2-Dichlorobenzene	22.8		ug/L	25.0		91	70-130			
1,2-Dichloroethane	22.5		ug/L	25.0		90	70-130			

CERTIFICATE OF ANALYSIS

Client Name: Alpha Analytical
Client Project ID: Alpha Analytical Sampling

ESS Laboratory Work Order: 0708357

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch BH72405 - 5035										
1,2-Dichloropropane	23.5		ug/L	25.0		94	70-130			
1,3,5-Trimethylbenzene	23.5		ug/L	25.0		94	70-130			
1,3-Dichlorobenzene	22.4		ug/L	25.0		90	70-130			
1,3-Dichloropropane	23.7		ug/L	25.0		95	70-130			
1,4-Dichlorobenzene	22.4		ug/L	25.0		90	70-130			
1,4-Dioxane - Screen	465		ug/L	500		93	70-130			
2,2-Dichloropropane	26.4		ug/L	25.0		106	70-130			
2-Butanone	113		ug/L	125		90	70-130			
2-Chlorotoluene	22.6		ug/L	25.0		90	70-130			
2-Hexanone	113		ug/L	125		90	70-130			
4-Chlorotoluene	22.8		ug/L	25.0		91	70-130			
4-Isopropyltoluene	22.8		ug/L	25.0		91	70-130			
4-Methyl-2-Pentanone	110		ug/L	125		88	70-130			
Acetone	122		ug/L	125		98	70-130			
Benzene	23.4		ug/L	25.0		94	70-130			
Bromobenzene	23.4		ug/L	25.0		94	70-130			
Bromochloromethane	24.8		ug/L	25.0		99	70-130			
Bromodichloromethane	23.1		ug/L	25.0		92	70-130			
Bromoform	23.6		ug/L	25.0		94	70-130			
Bromomethane	31.3		ug/L	25.0		125	70-130			
Carbon Disulfide	26.3		ug/L	25.0		105	70-130			
Carbon Tetrachloride	23.4		ug/L	25.0		94	70-130			
Chlorobenzene	23.0		ug/L	25.0		92	70-130			
Chloroethane	30.2		ug/L	25.0		121	70-130			
Chloroform	23.4		ug/L	25.0		94	70-130			
Chloromethane	25.1		ug/L	25.0		100	70-130			
cis-1,2-Dichloroethene	23.3		ug/L	25.0		93	70-130			
cis-1,3-Dichloropropene	22.8		ug/L	25.0		91	70-130			
Dibromochloromethane	22.8		ug/L	25.0		91	70-130			
Dibromomethane	22.9		ug/L	25.0		92	70-130			
Dichlorodifluoromethane	28.0		ug/L	25.0		112	70-130			
Diethyl Ether	23.8		ug/L	25.0		95	70-130			
Di-isopropyl ether	23.7		ug/L	25.0		95	70-130			
Ethyl tertiary-butyl ether	22.7		ug/L	25.0		91	70-130			
Ethylbenzene	23.8		ug/L	25.0		95	70-130			
Hexachlorobutadiene	23.7		ug/L	25.0		95	70-130			
Isopropylbenzene	21.3		ug/L	25.0		85	70-130			
Methyl tert-Butyl Ether	23.1		ug/L	25.0		92	70-130			
Methylene Chloride	25.9		ug/L	25.0		104	70-130			
Naphthalene	23.2		ug/L	25.0		93	70-130			
n-Butylbenzene	23.7		ug/L	25.0		95	70-130			
n-Propylbenzene	23.5		ug/L	25.0		94	70-130			
sec-Butylbenzene	23.0		ug/L	25.0		92	70-130			
Styrene	24.0		ug/L	25.0		96	70-130			
tert-Butylbenzene	23.0		ug/L	25.0		92	70-130			
Tertiary-amyl methyl ether	23.0		ug/L	25.0		92	70-130			

CERTIFICATE OF ANALYSIS

Client Name: Alpha Analytical
Client Project ID: Alpha Analytical Sampling

ESS Laboratory Work Order: 0708357

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch BH72405 - 5035										
Tetrachloroethene	24.5		ug/L	25.0		98	70-130			
Tetrahydrofuran	23.3		ug/L	25.0		93	70-130			
Toluene	23.2		ug/L	25.0		93	70-130			
trans-1,2-Dichloroethene	23.7		ug/L	25.0		95	70-130			
trans-1,3-Dichloropropene	21.3		ug/L	25.0		85	70-130			
Trichloroethene	23.4		ug/L	25.0		94	70-130			
Trichlorofluoromethane	21.2		ug/L	25.0		85	70-130			
Vinyl Chloride	25.1		ug/L	25.0		100	70-130			
Xylene O	23.4		ug/L	25.0		94	70-130			
Xylene P,M	46.8		ug/L	50.0		94	70-130			
Surrogate: 1,2-Dichloroethane-d4	*23.3*		ug/L	*25.0*		*93*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.3*		ug/L	*25.0*		*97*	*70-130*			
Surrogate: Dibromofluoromethane	*25.1*		ug/L	*25.0*		*100*	*70-130*			
Surrogate: Toluene-d8	*24.8*		ug/L	*25.0*		*99*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	23.9		ug/L	25.0		96	70-130	1	20	
1,1,1-Trichloroethane	23.5		ug/L	25.0		94	70-130	0.4	20	
1,1,2,2-Tetrachloroethane	23.7		ug/L	25.0		95	70-130	5	20	
1,1,2-Trichloroethane	23.6		ug/L	25.0		94	70-130	2	20	
1,1-Dichloroethane	23.4		ug/L	25.0		94	70-130	0	20	
1,1-Dichloroethene	23.5		ug/L	25.0		94	70-130	0.8	20	
1,1-Dichloropropene	23.6		ug/L	25.0		94	70-130	0.8	20	
1,2,3-Trichlorobenzene	23.0		ug/L	25.0		92	70-130	0.9	20	
1,2,3-Trichloropropane	23.1		ug/L	25.0		92	70-130	2	20	
1,2,4-Trichlorobenzene	22.9		ug/L	25.0		92	70-130	1	20	
1,2,4-Trimethylbenzene	23.7		ug/L	25.0		95	70-130	0.4	20	
1,2-Dibromo-3-Chloropropane	23.3		ug/L	25.0		93	70-130	2	20	
1,2-Dibromoethane	23.7		ug/L	25.0		95	70-130	2	20	
1,2-Dichlorobenzene	23.4		ug/L	25.0		94	70-130	3	20	
1,2-Dichloroethane	22.8		ug/L	25.0		91	70-130	1	20	
1,2-Dichloropropane	23.7		ug/L	25.0		95	70-130	0.8	20	
1,3,5-Trimethylbenzene	23.8		ug/L	25.0		95	70-130	1	20	
1,3-Dichlorobenzene	22.8		ug/L	25.0		91	70-130	2	20	
1,3-Dichloropropane	24.0		ug/L	25.0		96	70-130	1	20	
1,4-Dichlorobenzene	22.8		ug/L	25.0		91	70-130	2	20	
1,4-Dioxane - Screen	479		ug/L	500		96	70-130	3	20	
2,2-Dichloropropane	27.1		ug/L	25.0		108	70-130	3	20	
2-Butanone	115		ug/L	125		92	70-130	2	20	
2-Chlorotoluene	24.8		ug/L	25.0		99	70-130	9	20	
2-Hexanone	115		ug/L	125		92	70-130	2	20	
4-Chlorotoluene	23.1		ug/L	25.0		92	70-130	1	20	
4-Isopropyltoluene	22.9		ug/L	25.0		92	70-130	0.4	20	
4-Methyl-2-Pentanone	117		ug/L	125		94	70-130	6	20	
Acetone	117		ug/L	125		94	70-130	4	20	
Benzene	23.6		ug/L	25.0		94	70-130	0.9	20	
Bromobenzene	23.6		ug/L	25.0		94	70-130	0.9	20	

CERTIFICATE OF ANALYSIS

Client Name: Alpha Analytical
Client Project ID: Alpha Analytical Sampling

ESS Laboratory Work Order: 0708357

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch BH72405 - 5035										
Bromochloromethane	25.2		ug/L	25.0		101	70-130	2	20	
Bromodichloromethane	23.3		ug/L	25.0		93	70-130	0.9	20	
Bromoform	24.1		ug/L	25.0		96	70-130	2	20	
Bromomethane	30.4		ug/L	25.0		122	70-130	3	20	
Carbon Disulfide	25.5		ug/L	25.0		102	70-130	3	20	
Carbon Tetrachloride	23.5		ug/L	25.0		94	70-130	0.4	20	
Chlorobenzene	23.2		ug/L	25.0		93	70-130	0.9	20	
Chloroethane	29.3		ug/L	25.0		117	70-130	3	20	
Chloroform	23.4		ug/L	25.0		94	70-130	0	20	
Chloromethane	24.8		ug/L	25.0		99	70-130	1	20	
cis-1,2-Dichloroethene	23.4		ug/L	25.0		94	70-130	0.4	20	
cis-1,3-Dichloropropene	23.1		ug/L	25.0		92	70-130	1	20	
Dibromochloromethane	23.1		ug/L	25.0		92	70-130	1	20	
Dibromomethane	23.6		ug/L	25.0		94	70-130	3	20	
Dichlorodifluoromethane	28.0		ug/L	25.0		112	70-130	0	20	
Diethyl Ether	24.1		ug/L	25.0		96	70-130	1	20	
Di-isopropyl ether	24.2		ug/L	25.0		97	70-130	2	20	
Ethyl tertiary-butyl ether	23.3		ug/L	25.0		93	70-130	3	20	
Ethylbenzene	23.9		ug/L	25.0		96	70-130	0.4	20	
Hexachlorobutadiene	23.8		ug/L	25.0		95	70-130	0.4	20	
Isopropylbenzene	21.7		ug/L	25.0		87	70-130	2	20	
Methyl tert-Butyl Ether	23.5		ug/L	25.0		94	70-130	2	20	
Methylene Chloride	25.9		ug/L	25.0		104	70-130	0	20	
Naphthalene	23.0		ug/L	25.0		92	70-130	0.9	20	
n-Butylbenzene	23.7		ug/L	25.0		95	70-130	0	20	
n-Propylbenzene	22.7		ug/L	25.0		91	70-130	3	20	
sec-Butylbenzene	23.3		ug/L	25.0		93	70-130	1	20	
Styrene	24.1		ug/L	25.0		96	70-130	0.4	20	
tert-Butylbenzene	23.7		ug/L	25.0		95	70-130	3	20	
Tertiary-amyl methyl ether	23.8		ug/L	25.0		95	70-130	3	20	
Tetrachloroethene	23.1		ug/L	25.0		92	70-130	6	20	
Tetrahydrofuran	24.6		ug/L	25.0		98	70-130	5	20	
Toluene	23.4		ug/L	25.0		94	70-130	0.9	20	
trans-1,2-Dichloroethene	23.9		ug/L	25.0		96	70-130	0.8	20	
trans-1,3-Dichloropropene	21.7		ug/L	25.0		87	70-130	2	20	
Trichloroethene	23.5		ug/L	25.0		94	70-130	0.4	20	
Trichlorofluoromethane	21.0		ug/L	25.0		84	70-130	0.9	20	
Vinyl Chloride	25.0		ug/L	25.0		100	70-130	0.4	20	
Xylene O	23.3		ug/L	25.0		93	70-130	0.4	20	
Xylene P,M	47.0		ug/L	50.0		94	70-130	0.4	20	
Surrogate: 1,2-Dichloroethane-d4	*23.7*		ug/L	*25.0*		*95*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.2*		ug/L	*25.0*		*97*	*70-130*			
Surrogate: Dibromofluoromethane	*24.8*		ug/L	*25.0*		*99*	*70-130*			
Surrogate: Toluene-d8	*24.6*		ug/L	*25.0*		*98*	*70-130*			

CERTIFICATE OF ANALYSIS

Client Name: Alpha Analytical
Client Project ID: Alpha Analytical Sampling ESS Laboratory Work Order: 0708357

Notes and Definitions

U	Analyte included in the analysis, but not detected
IM	Internal Standard was outside of criteria due to matrix (UCM present).
7	Due to equipment malfunction, surrogates were not added to any of the low level VOA samples. Only 1 vial was received.
+	Outside QC Limits.
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
mg/kg	Results reported as wet weight
TCLP	Toxicity Characteristic Leachate Procedure
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
TIC	A forward library search of the NBS Mass Spectral Library was performed on this sample using the McLafferty Probability Base Matching (PBM) Algorithm. An estimated concentration of non-TCL compounds tentatively identified is quantified by the internal standard method. The nearest internal standard free of interferences was used to quantify. A response factor of one was assumed. This search was inclusive of the ten largest peaks greater than ten percent of the nearest internal standard.
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
¶	The state of RI does not grant certification for this method for non-potables.

CERTIFICATE OF ANALYSIS

Client Name: Alpha Analytical
Client Project ID: Alpha Analytical Sampling

ESS Laboratory Work Order: 0708357

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

To: ESS Cranston

CHAIN OF CUSTODY PAGE 1 OF 1

ALPHA WOODS HOLE LABS

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
RAYNHAM, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: 0709357

Client Information

Client: Alpha Analytical
Address: 8 Walkup Dr
Westborough, MA
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name:
Project Location:
Project #:
Project Manager: P. Henriksen
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!)
Date Due: 8/27/07 Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
MA MCP	Unlined Landfill Reuse Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTOCOLS

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

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: VOCs (High) 8260; VOCs (Low) 8260; Total Solids

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

	ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs (High) 8260	VOCs (Low) 8260	Total Solids	Sample Specific Comments	TOTAL # BOTTLES
1		L0712213-01	8/23/07	0915	S		X	X	X		3
2		-02		0920							3
3		-03		0925							3
4		-04		0930							3
5		-05		0935							3
6		-06		0940							3
7		-07		2400							3
8		-08	8/22/07	1445							1
9	1008808	TRIP BLANK KD 8/20/07									
		Cooler temp 5.0°C									

Container Type	V	V	P
Preservative	MeOH	H2O	N/A

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
D. Fraser	8/23/07 1410	Paul Gillett	8/23/07 14:20
Paul Gillett	8/23/07	K. DiMaio	8/24/07 11021

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

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