

10 August 2007
ERM Reference: 0051545

Brian Monahan
Conservation Administrator
Wayland Conservation Commission
Town Building
Wayland, MA 01778



Re: Inspection Report #4: 30 July through 10
August 2007 and Transmittal of Analytical Data
Former Raytheon Facility
430 Boston Post Road
DEP File No. 322-647

Dear Mr. Monahan:

Environmental Resources Management (ERM) is pleased to provide the Wayland Conservation Commission (Commission) with this Inspection Report for Northern Area Excavation activities at the Former Raytheon Facility at 430 Boston Post Road in Wayland, Massachusetts (Site). This report is submitted in accordance with the Order of Conditions for Massachusetts Department of Environmental Protection File Number 322-647 dated 8 August 2006. Additionally, this report contains analytical laboratory data corresponding with sheet pile sidewall samples collected 26 July and 2 August 2007, waste characterization samples collected from soil stockpiles on 27 July, and influent and effluent samples collected from the water treatment system on 8 August and 10 August 2007.

INSPECTION REPORT #4

Special Conditions 31 and 32 of the Town of Wayland Wetlands and Water Resources Permit Chapter 194 (Chapter 194) and Special Conditions 47 and 49 of Attachment A to the Wetlands Protection Act Form 5 Order of Conditions (WPA) require that a registered Professional Engineer perform weekly inspections of the work activities and certify in bi-weekly reports that those activities are in compliance with the Order of Conditions. The following information summarizes work performed between 30 July 2007 and 10 August 2007.

Work Performed During Period

From 30 July to 6 August, the reinforcing steel for the upper wale was constructed in three segments separated by expansion joints (Appendix A).

Concurrently on 2 August, the clean soil ramp stretching from outside the cofferdam to the sheet pile wall was removed and the soil was returned to Stockpile A, northwest of the cofferdam. At this point, two sidewall samples were collected from sheet pile formerly covered by the ramp.

On 6 August, while final adjustments were made to the reinforcing steel, three gauges were installed to measure strain in the inside and outside perimeter of the upper wale.

On 7 August, after final preparations had been made, approximately 83 cubic yards of concrete were poured into the forms with the aid of nine concrete mixing trucks and one pumping truck.

From 8 to 10 August while the concrete was left to cure, the water treatment system began operation. Influent and effluent samples were collected on the first and third day of water treatment, 8 and 10 August respectively. Treated water remains in one large fractionation tank on Site.

Also during this time, the concrete forms were removed and hanger bars positioned between the wale and sheet pile were installed. An additional soil staging area (Area F) was delineated immediately north of Stockpile D in preparation for excavation scheduled to begin 14 August.

Members of the Commission were on Site on 10 August for a tour and inspection. No issues were identified during the Site visit. Alicia Kabir conducted the Professional Engineer's inspections on 3 and 9 August.

In addition to the major activities detailed above, several other tasks were completed as required by the Order of Conditions:

- Daily inspections of the sedimentation controls have been performed. Records of these inspections are kept with the Daily Site Logs in Appendix B. Sufficient supplies of silt fence and straw bales are maintained on Site to allow for corrective action and maintenance activities per WPA Condition 50 and Chapter 194 Condition 42.
- Equipment is being refueled in accordance with the Refueling Plan provided in the Response to Order of Conditions and the Amendment to Refueling Plan provided in Inspection Report #3. Sufficient spill containment supplies are maintained at the refueling area and near each piece of heavy equipment.

Items Not in Conformance with Order of Conditions During Period

- Currently activities on site are in conformance with the Order of Conditions.

TRANSMITTAL OF ANALYTICAL DATA

As required by Chapter 194 Condition 24 analytical laboratory reports are attached as Appendix C. The reports include data for:

- Sidewall samples collected on 26 July and 2 August;
- Stockpile samples collected from Stockpiles D and E on 27 July; and
- Water treatment system samples collected on 8 and 10 August.

Mr. Monahan
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Environmental
Resources
Management

ERM will continue to comply with the Order of Conditions and will inform the Commission of any significant deviations of schedule or work plan.

If you have any questions or comments please contact the undersigned at (617) 646-7800.

Sincerely,



Jeremy J. Picard, P.G.
Senior Project Manager

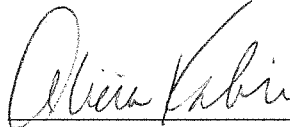
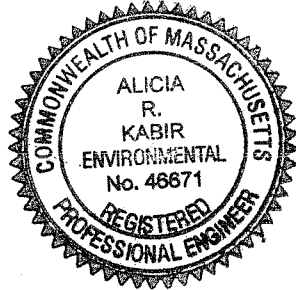


Jason D. Flattery *FOR*
Project Engineer

Enclosures: Appendix A - Site Photographs
Appendix B - Daily Site Logs 30 July - 10 August 2007
Appendix C - Analytical Laboratory Reports

Cc: Louis Burkhardt, Raytheon Company
Public Repositories
Ben Gould, CMG Environmental

As required by WPA Conditions 47 and 49 and Chapter 194 Conditions 31 and 32, I certify based on my observations during Site visits on 3 and 9 August 2007 and conversations with ERM field representatives that, to the best of my knowledge, work (except for any exceptions noted above) has been conducted in accordance with the Order of Conditions for DEP File Number 322-647.



Alicia Kabir, P.E.
Professional Engineer
MA License #46671

Appendix A
Site Photographs



Photograph 1 – Installation of Reinforcing Steel



Photograph 2 – Completed Construction of Reinforcing Steel



Photograph 3 – Beginning Stages of Concrete Pour



Photograph 4 – Continued Concrete Pouring and Strain Gauge Installation
(top center)





Photograph 5 – Completed Upper Wale



Photograph 6 – Consolidation of Tundra Mats in Preparation for Excavation



Appendix B
Daily Site Logs 30 July –
10 August

DAILY SITE LOG

Northern Area Excavation
 Former Raytheon Facility
 Wayland, Massachusetts

Date: 7/30/07Start Time: 07:00End Time: 16:00**Personnel**
 ERM: Bahaar Massihzadegan, Jason Flattery,
Jeremy Picard

 Other Personnel: Chris Jones, Dick Syriac, Scott Staples, Rick Mangiardi (M)
Abdelghani Zaïm, Ivan Hackett (labors)
Bill McCarthy (operator)

 Visitors: Delivery from Baker Steel
Equipment On Site

Type	Make/Model	Number	Operating Co.
Loader	Komatsu WA300	-	MT
Excavator	Caterpillar 345	75	MT
Excavator	Caterpillar 307	-	MT
Generator	MQ Power Unispermatt	16, 14	MT
Welder	Lincoln 250	29	MT
Water Treatment System		45	MT
Sweeper	Elgin Premier Pelican	-	Scanlon

Describe Activities:

Preparation of excavation for wale installation, including
laying gravel around perimeter (inside) of cofferdam as
well as rebar, bricks and chairs. Also excavating NW
portion of excavation.

EROSION AND SEDIMENTATION CONTROL INSPECTION

Northern Area Excavation
Former Raytheon Facility
Wayland, Massachusetts

Date: 7/30



Are silt fence, hay bails and wooden stakes intact?

YES

Have soils/sediment been deposited in any wetland areas?

NO

If yes, was it removed and how? Please describe below.

N/A

Is there evidence of erosion along access road?

NO

If yes, please describe below.

Please note any corrective actions taken.

N/A

Field Supervisor Name (Printed):

Bahaar Massinzadegan

(Signature):

[Handwritten Signature]

DAILY SITE LOG
 Northern Area Excavation
 Former Raytheon Facility
 Wayland, Massachusetts



Date: 7/31/07
 Start Time: 06:30 End Time: 1720

Personnel

ERM: Bahaar Massinzadegan, John Drobinski,
Brian Winsor

Other Personnel: Chris Jones, Dick Syriac, Scott Staples (MIT)
Rick Mangiardi (MIT), Abdelghani Zaim,
Ivan Hackett (laborsers) Bill McCartney (operator)

Visitors: Handy House
Dean and Mark of Congress Group (no. 454 for property owner).

Equipment On Site

Type	Make/Model	Number	Operating Co.
Loader	Komatsu WA300	-	MT
Excavator	Caterpillar 345	75	↓
Excavator	Caterpillar 307	-	
Generator	MQ Power Whisperwart	16, 14	
Welder	Lincoln 250	29	
Water Treatment System		45	
Sweeper	Elgin Premier Pelican	-	Scarlon

Describe Activities:

Installing rebar between 2 expansion joints (22+23 and
58 + 59)

EROSION AND SEDIMENTATION CONTROL INSPECTION

Northern Area Excavation
Former Raytheon Facility
Wayland, Massachusetts

Date:

7/31



Are silt fence, hay bails and wooden stakes intact?

YES

Have soils/sediment been deposited in any wetland areas?

NO

If yes, was it removed and how? Please describe below.

N/A

Is there evidence of erosion along access road?

NO

If yes, please describe below.

Please note any corrective actions taken.

NONE

Field Supervisor Name (Printed):

Bahaar Massihzadegar

(Signature):

Bahaar Massihzadegar

DAILY SITE LOG

Northern Area Excavation
Former Raytheon Facility
Wayland, Massachusetts



Date: 8/1/07

Start Time: 0630

End Time: 1640

Personnel

ERM: JASON FLATTERY, Jeremy Picard

Other Personnel: MT: CTOWES, S STAPLES, RMANGIARDI, D SYRIAC, R MCCARTHY
AZAM, IHACKETT

Visitors: Dave Potenko (Haley + Aldrich), Tony Pisanelli (MT)
Brian Monahan (Conservation Commission),
Dan Bennett (Building Commissioner)

Equipment On Site

Type	Make/Model	Number	Operating Co.
<u>LOADER</u>	<u>KOMATSU WA380</u>	<u>-</u>	<u>MT</u>
<u>EXCAVATOR</u>	<u>CATERPILLAR 345</u>	<u>75</u>	<u>MT</u>
<u>EXCAVATOR</u>	<u>CATERPILLAR 307</u>	<u>-</u>	<u>MT</u>
<u>GENERATOR</u>	<u>MOPOWER WHISPERWATT</u>	<u>16, 14</u>	<u>MT</u>
<u>WELDER</u>	<u>LINCOLN 250</u>	<u>29</u>	<u>MT</u>
<u>WATER TREATMENT SYSTEM</u>		<u>45</u>	<u>MT</u>
<u>SWEEPER</u>	<u>ELGIN PREMIER PELICAN</u>	<u>-</u>	<u>SCANLON</u>

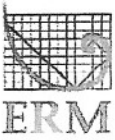
Describe Activities:

Start building 2nd section of rebar in cofferdam
Haley + Aldrich on site to drill test pits.

EROSION AND SEDIMENTATION CONTROL INSPECTION

Northern Area Excavation
Former Raytheon Facility
Wayland, Massachusetts

Date: 8/1/07



Are silt fence, hay bails and wooden stakes intact?

YES

Have soils/ sediment been deposited in any wetland areas?

NO

If yes, was it removed and how? Please describe below.

N/A

Is there evidence of erosion along access road?

NO

If yes, please describe below.

Please note any corrective actions taken.

N/A

Field Supervisor Name (Printed):

Bahaar Massinzadegan

(Signature):

[Handwritten Signature]

DAILY SITE LOG

Northern Area Excavation
Former Raytheon Facility
Wayland, Massachusetts



Date: 8/2/07
Start Time: 07:00

End Time: 15:30

Personnel

ERM: Banaar Massihzadegan

Other Personnel: Chris Jones, Dick Syriac, Scott Staples, Rick Mangiardi (MT),
Abdelghani Zaim, Ivan Hackett (laborers),
Bill McCarthy (operator).

Visitors: Newton Trucking, Hafeez + Alvin, Jim
Maxymillian (MT), Tony Picarelli (MT)

Equipment On Site

Type	Make/Model	Number	Operating Co.
Loader	Komatsu WA 380	-	MT
Excavator	Caterpillar 345	75	MT
Excavator	Caterpillar 307	-	MT
Generator	MQ Power whisper watt	16, 14	MT
Welder	Lincoln 250	29	MT
Water Treatment System		45	MT
Sweeper	Elgin Premier Pelican	-	Scania

Describe Activities:

Ramp into cofferdam was dug out. Gravel was
laid in its place at 117' asl.

EROSION AND SEDIMENTATION CONTROL INSPECTION

Northern Area Excavation
Former Raytheon Facility
Wayland, Massachusetts

Date: 8/2



Are silt fence, hay bails and wooden stakes intact?

YES *

Have soils/sediment been deposited in any wetland areas?

NO

If yes, was it removed and how? Please describe below.

NA

Is there evidence of erosion along access road?

NO

If yes, please describe below.

Please note any corrective actions taken.

* One straw bale was slightly loose due to the dump truck hitting it. This will be fixed first thing tomorrow morning

Field Supervisor Name (Printed):

Bangor Massihzadegan

(Signature):

[Handwritten Signature]

** Note: straw bale was secured 8/3/07 9:30

[Handwritten Signature]

DAILY SITE LOG

Northern Area Excavation
Former Raytheon Facility
Wayland, Massachusetts



Date: 8/2/07
Start Time: 06:30

End Time: 14:30

Personnel

ERM: Bahaar Massihzadegan, Jason Flattery,
Alicia Kabir, John Drobinski

Other Personnel:

Chris Jones, Dick Syriac, Scott Staples, Rick
Mangiardi (MT), Abdelghani Zaim, Ivan
Hackett (laborer), Bill McCarthy (operator)

Visitors:

Haley + Aldrich (3 workers test pitting),
Alpha Analytical, Taylor Fuel

Equipment On Site

Type	Make/Model	Number	Operating Co.
Loader	Komatsu WA380	-	MT
Excavator	Caterpillar 345	75	MT
Excavator	Caterpillar 307	-	MT
Generator	MQ Power Whisper watt	16,14	MT
Welder	Lincoln 250	29	MT
Water Treatment System		45	MT
Sweeper	Elgin Premier Pelican	-	Scanlon

Describe Activities:

Work on third and final section of rebar within
the coffer dam in preparation for concrete walls.

EROSION AND SEDIMENTATION CONTROL INSPECTION

Northern Area Excavation
Former Raytheon Facility
Wayland, Massachusetts

Date: 8/3



Are silt fence, hay bails and wooden stakes intact?

YES

Have soils/sediment been deposited in any wetland areas?

NO

If yes, was it removed and how? Please describe below.

N/A

Is there evidence of erosion along access road?

NO

If yes, please describe below.

Please note any corrective actions taken.

N/A

Field Supervisor Name (Printed):

Bahar Massizadegan

(Signature):

Bahar

DAILY SITE LOG

Northern Area Excavation
Former Raytheon Facility
Wayland, Massachusetts



Date: 8/6/07

Start Time: 07:00

End Time: 16:00

Personnel

ERM: Bahaar Massinzadegan, Jeremy Picard,
Joe Ferring

Other Personnel: Chris Jones, Dick Syriac, Jake Piser, Rick
Mangiardi (MT), Abdelghani Zaim, Ivan
Mackett (laborers), Bill McContry (operator)

Visitors: Haley + Aldrich - Chris Jones + Operator - test pathig
Dale Maerten (Marmon), Chip Burkhardt (Raytheon)

Equipment On Site

Type	Make/Model	Number	Operating Co.
Loader	Komatsu WA 380	-	MT
Excavator	Caterpillar 345	75	MT
Excavator	Caterpillar 307	-	MT
Generator	MQ Power Whisper watt	16, 14	MT
Welder	Lincoln 250	29	MT
Water Treatment System		43	MT
Sweeper	Elgin Premier Pelican	-	W. Santos

Describe Activities:

Setting third form of rebar, installation of
strain gauges.

ERM

EROSION AND SEDIMENTATION CONTROL INSPECTION

Northern Area Excavation
Former Raytheon Facility
Wayland, Massachusetts

Date: 8/6/07



Are silt fence, hay bails and wooden stakes intact?

YES

Have soils/sediment been deposited in any wetland areas?

NO

If yes, was it removed and how? Please describe below.

N/A

Is there evidence of erosion along access road?

NO

If yes, please describe below.

Please note any corrective actions taken.

N/A

Field Supervisor Name (Printed):

Bahaar Massizadegan

(Signature):

[Handwritten Signature]

DAILY SITE LOG
 Northern Area Excavation
 Former Raytheon Facility
 Wayland, Massachusetts



Date: 8/7/07
 Start Time: 06:30 End Time: 16:10

Personnel

ERM: Bahaar Massihzadegan, Jeremy Picard, Catherine Regan

Other Personnel: Chris Jones, Dick Sprad, Rick Mangiaroli, Jake Piser (MT), Abdelghani Zaim, Ivan Haukitt (labores), Bill McElarthy (operator).

Visitors: Dale Maerten (HE), Chris Jones (HA) + operator, Tony Pisanelli, Jim Maxymillian, Andrea (MT), Aggregate Industries (concrete trucks), Independent

Equipment On Site

Type	Make/Model	Number	Operating Co.
Loader	Komatsu WA380	-	MT
Excavator	Caterpillar 345	75	MT
Excavator	Caterpillar 307	-	↓
Generator	MQ Power Whisperwatt	16, 14	
Welder	Lincoln 250	29	
Water Treatment System		45	
Sweeper	Elgin Premier Pelican	-	Scanlon

Describe Activities:

Concrete was poured throughout wate and set to harden
Strain gage switch boxes were installed and proven to be in
working order

EROSION AND SEDIMENTATION CONTROL INSPECTION

Northern Area Excavation
Former Raytheon Facility
Wayland, Massachusetts

Date: 8/7



Are silt fence, hay bails and wooden stakes intact?

YES

Have soils/sediment been deposited in any wetland areas?

NO

If yes, was it removed and how? Please describe below.

N/A

Is there evidence of erosion along access road?

NO

If yes, please describe below.

Please note any corrective actions taken.

N/A

Field Supervisor Name (Printed):

Bahaar Massihzadegan

(Signature):

[Handwritten Signature]

DAILY SITE LOG
 Northern Area Excavation
 Former Raytheon Facility
 Wayland, Massachusetts



Date: 8/6/07
 Start Time: 06:30

End Time: 15:00

Personnel

ERM: Bahaar Massihzadegan
Jeremy Pica

Other Personnel: Chris Jones, Dick Syriac, Rick Mangiardi, (MT)
Abdelghani Zaun, I Hackett (laborers),
Bill McCarthy (Operator), Jake Piser (MT)

Visitors: Tony Pisanelli

Equipment On Site

Type	Make/Model	Number	Operating Co.
Loader	Komatsu WA380	-	MT
Excavator	Caterpillar 345	75	↓
Excavator	Caterpillar 307	-	
Generator	MQ Power whisper 4	16, 14	
Welder	Lincoln 250	29	
Water Treatment System		45	
Sweeper	Elgin Premier Pelican	-	

Describe Activities:

Welding of hangers surrounding cofferdam. Removing forms around water.

EROSION AND SEDIMENTATION CONTROL INSPECTION

Northern Area Excavation
Former Raytheon Facility
Wayland, Massachusetts

Date: 8/8



Are silt fence, hay bails and wooden stakes intact?

YES

Have soils/sediment been deposited in any wetland areas?

NO

If yes, was it removed and how? Please describe below.

N/A

Is there evidence of erosion along access road?

NO

If yes, please describe below.

Please note any corrective actions taken.

N/A

Field Supervisor Name (Printed):

Bahaar Massizadegan

(Signature):

Bahaar Massizadegan

DAILY SITE LOG
 Northern Area Excavation
 Former Raytheon Facility
 Wayland, Massachusetts



Date: 8/9/07
 Start Time: 06:30

End Time: 15:00

Personnel
 ERM: Bahaar Massihzudegan, Alicia Kabir

Other Personnel: Chris Jones, Dick Syriac, Rick Mangiardi (MT),
 Abdelghani Zaim, Ivan Hackett (labors), Bill
 McCarthy (operator), Jake Piser (MT)

Visitors: Spectrum Analytical, Fed Ex, US Environmental,
 Tony Pisanelli (MT)

Equipment On Site

Type	Make/Model	Number	Operating Co.
Loader	Komatsu WA380	-	MT
Excavator	Caterpillar 345	75	MT
Excavator	Caterpillar 307	-	↓ Scanlon
Generator	MR Power Whisper #	16, 14	
Welder	Lincoln 250	29	
Water Treatment System		45	
Sweeper	Elgin Premier Pelican	-	

Describe Activities:
Continuing to remove and clean forms. Steel forms are
 placed in parking lot on poly. Securing tarps covering stockpiles,
 running water through water treatment system.

EROSION AND SEDIMENTATION CONTROL INSPECTION

Northern Area Excavation
Former Raytheon Facility
Wayland, Massachusetts

Date:

8/9



Are silt fence, hay bails and wooden stakes intact?

YES

Have soils/sediment been deposited in any wetland areas?

NO

If yes, was it removed and how? Please describe below.

N/A

Is there evidence of erosion along access road?

NO

If yes, please describe below.

Please note any corrective actions taken.

N/A

Field Supervisor Name (Printed):

Bahaar Massizadegan

(Signature):

Bahaar Massizadegan

DAILY SITE LOG
 Northern Area Excavation
 Former Raytheon Facility
 Wayland, Massachusetts



Date: 8/10/07
 Start Time: 06:00 End Time: 14:00

Personnel
 ERM: Bahaar Masshzaadegan, Jeremy Picard,
John Drobinski

Other Personnel: Chris Jones, Dick Syntal, Rick Margiardi (MT),
Abdelghani Zaim, Ivan Harkett (laborers),
Bill McCarthy (operator)

Visitors: Maxymillian Delivery of Exc. 330, Brian Monahan (Con:com.)
Barbara Howell (Con:com.), Alpha Analytical (Pick-up)

Equipment On Site

Type	Make/Model	Number	Operating Co.	
Loader	Komatsu WA 380	-	MT	
Excavator	Caterpillar 345	75	↓	
Excavator	Caterpillar 307	-		
Generator	MO Power Whisper watt	16, 14		
Welder	Lincoln 250	29		
Water Treatment System		45		
Sweeper	Elgin Premier Pelican	-		Seaton
Excavator	Caterpillar 330	51		MT

Describe Activities:
Access ramps to strain gauges are constructed, new soil staging
area (Area F) is delineated, Tundra mats are cleared and
piled in excavation.

EROSION AND SEDIMENTATION CONTROL INSPECTION

Northern Area Excavation
Former Raytheon Facility
Wayland, Massachusetts

Date: 8/10/07



Are silt fence, hay bails and wooden stakes intact?

YES

Have soils/sediment been deposited in any wetland areas?

NO

If yes, was it removed and how? Please describe below.

N/A

Is there evidence of erosion along access road?

NO

If yes, please describe below.

Please note any corrective actions taken.

N/A

Field Supervisor Name (Printed):

Bahaar Moushazzadegan

(Signature):

[Handwritten Signature]

Appendix C
Analytical Laboratory Reports

Sidewall Samples:

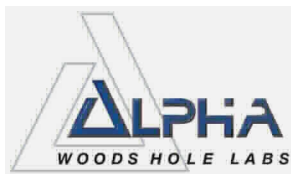
26 July & 2 August

Stockpile Samples:

27 July

Water Treatment System

Samples: 8 & 10 August



ANALYTICAL REPORT

Lab Number: L0710770

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: 08/06/07

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: L0710770
Report Date: 08/06/07

Alpha Sample ID	Client ID	Sample Location
L0710770-01	SW-117-003-20070726-01	RAYTHEON WAYLAND
L0710770-02	SW-117-009-20070726-01	RAYTHEON WAYLAND
L0710770-03	SW-117-018-20070726-01	RAYTHEON WAYLAND
L0710770-04	SW-117-021-20070726-01	RAYTHEON WAYLAND
L0710770-05	SW-117-027-20070726-01	RAYTHEON WAYLAND
L0710770-06	SW-117-033-20070726-01	RAYTHEON WAYLAND
L0710770-07	SW-117-039-20070726-01	RAYTHEON WAYLAND
L0710770-08	SW-117-045-20070726-01	RAYTHEON WAYLAND
L0710770-09	SW-117-051-20070726-01	RAYTHEON WAYLAND
L0710770-10	SW-117-057-20070726-01	RAYTHEON WAYLAND
L0710770-11	SW-117-063-20070726-01	RAYTHEON WAYLAND
L0710770-12	SW-117-069-20070726-01	RAYTHEON WAYLAND
L0710770-13	SW-117-075-20070726-01	RAYTHEON WAYLAND
L0710770-14	SW-117-081-20070726-01	RAYTHEON WAYLAND
L0710770-15	SW-117-087-20070726-01	RAYTHEON WAYLAND
L0710770-16	SW-117-093-20070726-01	RAYTHEON WAYLAND
L0710770-17	SW-117-098-20070726-01	RAYTHEON WAYLAND

Project Name: NA SOIL EXCAVATION
Project Number: 0051545

Lab Number: L0710770
Report Date: 08/06/07

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?	YES
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
Project Number: 0051545

Lab Number: L0710770
Report Date: 08/06/07

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

Volatile Organics

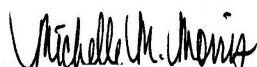
In reference to question E:

The WG289577-1/2 LCS/LCSD % recoveries for 2,2-Dichloropropane are below the individual acceptance criteria and the LCS % recoveries for 1,4-Dioxane and 4-Methyl-2-pentanone are above the individual acceptance criteria for the compounds, but within the overall method allowances. These are all difficult analytes.

The WG289577-4/5 LCS/LCSD % recoveries for 2,2-Dichloropropane are below the individual acceptance criteria for the compound, but within overall method allowances.

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: 08/06/07

ORGANICS

VOLATILES

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-01

Date Collected: 07/26/07 15:50

Client ID: SW-117-003-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 60,8260B

Analytical Date: 08/03/07 19:34

Analyst: SE

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Methylene chloride	ND		ug/kg	10	1
1,1-Dichloroethane	ND		ug/kg	1.6	1
Chloroform	ND		ug/kg	1.6	1
Carbon tetrachloride	ND		ug/kg	1.0	1
1,2-Dichloropropane	ND		ug/kg	3.7	1
Dibromochloromethane	ND		ug/kg	1.0	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	1
Tetrachloroethene	ND		ug/kg	1.0	1
Chlorobenzene	ND		ug/kg	1.0	1
Trichlorofluoromethane	ND		ug/kg	5.3	1
1,2-Dichloroethane	ND		ug/kg	1.0	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	1
Bromodichloromethane	ND		ug/kg	1.0	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	1
1,1-Dichloropropene	ND		ug/kg	5.3	1
Bromoform	ND		ug/kg	4.2	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	1
Benzene	ND		ug/kg	1.0	1
Toluene	ND		ug/kg	1.6	1
Ethylbenzene	ND		ug/kg	1.0	1
Chloromethane	ND		ug/kg	5.3	1
Bromomethane	ND		ug/kg	2.1	1
Vinyl chloride	ND		ug/kg	2.1	1
Chloroethane	ND		ug/kg	2.1	1
1,1-Dichloroethene	ND		ug/kg	1.0	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	1
Trichloroethene	7.5		ug/kg	1.0	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	1
1,3-Dichlorobenzene	ND		ug/kg	5.3	1

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-01

Date Collected: 07/26/07 15:50

Client ID: SW-117-003-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
1,4-Dichlorobenzene	ND		ug/kg	5.3	1
Methyl tert butyl ether	ND		ug/kg	2.1	1
p/m-Xylene	ND		ug/kg	2.1	1
o-Xylene	ND		ug/kg	2.1	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	1
Dibromomethane	ND		ug/kg	10	1
1,2,3-Trichloropropane	ND		ug/kg	10	1
Styrene	ND		ug/kg	2.1	1
Dichlorodifluoromethane	ND		ug/kg	10	1
Acetone	ND		ug/kg	10	1
Carbon disulfide	ND		ug/kg	53	1
2-Butanone	ND		ug/kg	10	1
4-Methyl-2-pentanone	ND		ug/kg	10	1
2-Hexanone	ND		ug/kg	10	1
Bromochloromethane	ND		ug/kg	5.3	1
Tetrahydrofuran	ND		ug/kg	21	1
2,2-Dichloropropane	ND		ug/kg	5.3	1
1,2-Dibromoethane	ND		ug/kg	4.2	1
1,3-Dichloropropane	ND		ug/kg	5.3	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	1
Bromobenzene	ND		ug/kg	5.3	1
n-Butylbenzene	ND		ug/kg	1.0	1
sec-Butylbenzene	ND		ug/kg	1.0	1
tert-Butylbenzene	ND		ug/kg	5.3	1
o-Chlorotoluene	ND		ug/kg	5.3	1
p-Chlorotoluene	ND		ug/kg	5.3	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	1
Hexachlorobutadiene	ND		ug/kg	5.3	1
Isopropylbenzene	ND		ug/kg	1.0	1
p-Isopropyltoluene	1.4		ug/kg	1.0	1
Naphthalene	ND		ug/kg	5.3	1
n-Propylbenzene	ND		ug/kg	1.0	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	1
Ethyl ether	ND		ug/kg	5.3	1

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-01

Date Collected: 07/26/07 15:50

Client ID: SW-117-003-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Isopropyl Ether	ND		ug/kg	4.2	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.2	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.2	1
1,4-Dioxane	ND		ug/kg	530	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	92		70-130

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-02

Date Collected: 07/26/07 15:52

Client ID: SW-117-009-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 60,8260B

Analytical Date: 08/03/07 20:11

Analyst: SE

Percent Solids: 82%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Methylene chloride	ND		ug/kg	10	1
1,1-Dichloroethane	ND		ug/kg	1.6	1
Chloroform	ND		ug/kg	1.6	1
Carbon tetrachloride	ND		ug/kg	1.0	1
1,2-Dichloropropane	ND		ug/kg	3.7	1
Dibromochloromethane	ND		ug/kg	1.0	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	1
Tetrachloroethene	4.6		ug/kg	1.0	1
Chlorobenzene	ND		ug/kg	1.0	1
Trichlorofluoromethane	ND		ug/kg	5.2	1
1,2-Dichloroethane	ND		ug/kg	1.0	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	1
Bromodichloromethane	ND		ug/kg	1.0	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	1
1,1-Dichloropropene	ND		ug/kg	5.2	1
Bromoform	ND		ug/kg	4.2	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	1
Benzene	ND		ug/kg	1.0	1
Toluene	ND		ug/kg	1.6	1
Ethylbenzene	ND		ug/kg	1.0	1
Chloromethane	ND		ug/kg	5.2	1
Bromomethane	ND		ug/kg	2.1	1
Vinyl chloride	ND		ug/kg	2.1	1
Chloroethane	ND		ug/kg	2.1	1
1,1-Dichloroethene	ND		ug/kg	1.0	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	1
Trichloroethene	6.5		ug/kg	1.0	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	1
1,3-Dichlorobenzene	ND		ug/kg	5.2	1

Project Name: NA SOIL EXCAVATION

Lab Number: L0710770

Project Number: 0051545

Report Date: 08/06/07

SAMPLE RESULTS

Lab ID: L0710770-02

Date Collected: 07/26/07 15:52

Client ID: SW-117-009-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
1,4-Dichlorobenzene	ND		ug/kg	5.2	1
Methyl tert butyl ether	ND		ug/kg	2.1	1
p/m-Xylene	ND		ug/kg	2.1	1
o-Xylene	ND		ug/kg	2.1	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	1
Dibromomethane	ND		ug/kg	10	1
1,2,3-Trichloropropane	ND		ug/kg	10	1
Styrene	ND		ug/kg	2.1	1
Dichlorodifluoromethane	ND		ug/kg	10	1
Acetone	18		ug/kg	10	1
Carbon disulfide	ND		ug/kg	52	1
2-Butanone	ND		ug/kg	10	1
4-Methyl-2-pentanone	ND		ug/kg	10	1
2-Hexanone	ND		ug/kg	10	1
Bromochloromethane	ND		ug/kg	5.2	1
Tetrahydrofuran	ND		ug/kg	21	1
2,2-Dichloropropane	ND		ug/kg	5.2	1
1,2-Dibromoethane	ND		ug/kg	4.2	1
1,3-Dichloropropane	ND		ug/kg	5.2	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	1
Bromobenzene	ND		ug/kg	5.2	1
n-Butylbenzene	ND		ug/kg	1.0	1
sec-Butylbenzene	ND		ug/kg	1.0	1
tert-Butylbenzene	ND		ug/kg	5.2	1
o-Chlorotoluene	ND		ug/kg	5.2	1
p-Chlorotoluene	ND		ug/kg	5.2	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	1
Hexachlorobutadiene	ND		ug/kg	5.2	1
Isopropylbenzene	ND		ug/kg	1.0	1
p-Isopropyltoluene	ND		ug/kg	1.0	1
Naphthalene	ND		ug/kg	5.2	1
n-Propylbenzene	ND		ug/kg	1.0	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.2	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.2	1
Ethyl ether	ND		ug/kg	5.2	1

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-02

Date Collected: 07/26/07 15:52

Client ID: SW-117-009-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Isopropyl Ether	ND		ug/kg	4.2	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.2	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.2	1
1,4-Dioxane	ND		ug/kg	520	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	94		70-130

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-03

Date Collected: 07/26/07 15:54

Client ID: SW-117-018-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 60,8260B

Analytical Date: 08/03/07 20:48

Analyst: SE

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Methylene chloride	ND		ug/kg	10	1
1,1-Dichloroethane	ND		ug/kg	1.6	1
Chloroform	ND		ug/kg	1.6	1
Carbon tetrachloride	ND		ug/kg	1.0	1
1,2-Dichloropropane	ND		ug/kg	3.7	1
Dibromochloromethane	ND		ug/kg	1.0	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	1
Tetrachloroethene	9.2		ug/kg	1.0	1
Chlorobenzene	ND		ug/kg	1.0	1
Trichlorofluoromethane	ND		ug/kg	5.3	1
1,2-Dichloroethane	ND		ug/kg	1.0	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	1
Bromodichloromethane	ND		ug/kg	1.0	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	1
1,1-Dichloropropene	ND		ug/kg	5.3	1
Bromoform	ND		ug/kg	4.2	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	1
Benzene	ND		ug/kg	1.0	1
Toluene	ND		ug/kg	1.6	1
Ethylbenzene	ND		ug/kg	1.0	1
Chloromethane	ND		ug/kg	5.3	1
Bromomethane	ND		ug/kg	2.1	1
Vinyl chloride	ND		ug/kg	2.1	1
Chloroethane	ND		ug/kg	2.1	1
1,1-Dichloroethene	ND		ug/kg	1.0	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	1
Trichloroethene	59		ug/kg	1.0	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	1
1,3-Dichlorobenzene	ND		ug/kg	5.3	1

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-03

Date Collected: 07/26/07 15:54

Client ID: SW-117-018-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
1,4-Dichlorobenzene	ND		ug/kg	5.3	1
Methyl tert butyl ether	ND		ug/kg	2.1	1
p/m-Xylene	ND		ug/kg	2.1	1
o-Xylene	ND		ug/kg	2.1	1
cis-1,2-Dichloroethene	12		ug/kg	1.0	1
Dibromomethane	ND		ug/kg	10	1
1,2,3-Trichloropropane	ND		ug/kg	10	1
Styrene	ND		ug/kg	2.1	1
Dichlorodifluoromethane	ND		ug/kg	10	1
Acetone	15		ug/kg	10	1
Carbon disulfide	ND		ug/kg	53	1
2-Butanone	ND		ug/kg	10	1
4-Methyl-2-pentanone	ND		ug/kg	10	1
2-Hexanone	ND		ug/kg	10	1
Bromochloromethane	ND		ug/kg	5.3	1
Tetrahydrofuran	ND		ug/kg	21	1
2,2-Dichloropropane	ND		ug/kg	5.3	1
1,2-Dibromoethane	ND		ug/kg	4.2	1
1,3-Dichloropropane	ND		ug/kg	5.3	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	1
Bromobenzene	ND		ug/kg	5.3	1
n-Butylbenzene	ND		ug/kg	1.0	1
sec-Butylbenzene	ND		ug/kg	1.0	1
tert-Butylbenzene	ND		ug/kg	5.3	1
o-Chlorotoluene	ND		ug/kg	5.3	1
p-Chlorotoluene	ND		ug/kg	5.3	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	1
Hexachlorobutadiene	ND		ug/kg	5.3	1
Isopropylbenzene	ND		ug/kg	1.0	1
p-Isopropyltoluene	ND		ug/kg	1.0	1
Naphthalene	ND		ug/kg	5.3	1
n-Propylbenzene	ND		ug/kg	1.0	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	1
Ethyl ether	ND		ug/kg	5.3	1

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-03

Date Collected: 07/26/07 15:54

Client ID: SW-117-018-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Isopropyl Ether	ND		ug/kg	4.2	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.2	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.2	1
1,4-Dioxane	ND		ug/kg	530	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	94		70-130

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-04

Date Collected: 07/26/07 15:56

Client ID: SW-117-021-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 60,8260B

Analytical Date: 08/04/07 12:34

Analyst: SE

Percent Solids: 82%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Methylene chloride	ND		ug/kg	10	1
1,1-Dichloroethane	ND		ug/kg	1.6	1
Chloroform	ND		ug/kg	1.6	1
Carbon tetrachloride	ND		ug/kg	1.0	1
1,2-Dichloropropane	ND		ug/kg	3.7	1
Dibromochloromethane	ND		ug/kg	1.0	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	1
Tetrachloroethene	ND		ug/kg	1.0	1
Chlorobenzene	ND		ug/kg	1.0	1
Trichlorofluoromethane	ND		ug/kg	5.2	1
1,2-Dichloroethane	ND		ug/kg	1.0	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	1
Bromodichloromethane	ND		ug/kg	1.0	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	1
1,1-Dichloropropene	ND		ug/kg	5.2	1
Bromoform	ND		ug/kg	4.2	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	1
Benzene	ND		ug/kg	1.0	1
Toluene	ND		ug/kg	1.6	1
Ethylbenzene	ND		ug/kg	1.0	1
Chloromethane	ND		ug/kg	5.2	1
Bromomethane	ND		ug/kg	2.1	1
Vinyl chloride	ND		ug/kg	2.1	1
Chloroethane	ND		ug/kg	2.1	1
1,1-Dichloroethene	ND		ug/kg	1.0	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	1
Trichloroethene	ND		ug/kg	1.0	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	1
1,3-Dichlorobenzene	ND		ug/kg	5.2	1

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-04

Date Collected: 07/26/07 15:56

Client ID: SW-117-021-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
1,4-Dichlorobenzene	ND		ug/kg	5.2	1
Methyl tert butyl ether	ND		ug/kg	2.1	1
p/m-Xylene	ND		ug/kg	2.1	1
o-Xylene	ND		ug/kg	2.1	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	1
Dibromomethane	ND		ug/kg	10	1
1,2,3-Trichloropropane	ND		ug/kg	10	1
Styrene	ND		ug/kg	2.1	1
Dichlorodifluoromethane	ND		ug/kg	10	1
Acetone	ND		ug/kg	10	1
Carbon disulfide	ND		ug/kg	52	1
2-Butanone	ND		ug/kg	10	1
4-Methyl-2-pentanone	ND		ug/kg	10	1
2-Hexanone	ND		ug/kg	10	1
Bromochloromethane	ND		ug/kg	5.2	1
Tetrahydrofuran	ND		ug/kg	21	1
2,2-Dichloropropane	ND		ug/kg	5.2	1
1,2-Dibromoethane	ND		ug/kg	4.2	1
1,3-Dichloropropane	ND		ug/kg	5.2	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	1
Bromobenzene	ND		ug/kg	5.2	1
n-Butylbenzene	ND		ug/kg	1.0	1
sec-Butylbenzene	ND		ug/kg	1.0	1
tert-Butylbenzene	ND		ug/kg	5.2	1
o-Chlorotoluene	ND		ug/kg	5.2	1
p-Chlorotoluene	ND		ug/kg	5.2	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	1
Hexachlorobutadiene	ND		ug/kg	5.2	1
Isopropylbenzene	ND		ug/kg	1.0	1
p-Isopropyltoluene	ND		ug/kg	1.0	1
Naphthalene	ND		ug/kg	5.2	1
n-Propylbenzene	ND		ug/kg	1.0	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.2	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.2	1
Ethyl ether	ND		ug/kg	5.2	1

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-04

Date Collected: 07/26/07 15:56

Client ID: SW-117-021-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Isopropyl Ether	ND		ug/kg	4.2	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.2	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.2	1
1,4-Dioxane	ND		ug/kg	520	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-05

Date Collected: 07/26/07 15:58

Client ID: SW-117-027-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 60,8260B

Analytical Date: 08/04/07 13:10

Analyst: SE

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Methylene chloride	ND		ug/kg	10	1
1,1-Dichloroethane	ND		ug/kg	1.5	1
Chloroform	ND		ug/kg	1.5	1
Carbon tetrachloride	ND		ug/kg	1.0	1
1,2-Dichloropropane	ND		ug/kg	3.6	1
Dibromochloromethane	ND		ug/kg	1.0	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	1
Tetrachloroethene	1.9		ug/kg	1.0	1
Chlorobenzene	ND		ug/kg	1.0	1
Trichlorofluoromethane	ND		ug/kg	5.1	1
1,2-Dichloroethane	ND		ug/kg	1.0	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	1
Bromodichloromethane	ND		ug/kg	1.0	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	1
1,1-Dichloropropene	ND		ug/kg	5.1	1
Bromoform	ND		ug/kg	4.1	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	1
Benzene	ND		ug/kg	1.0	1
Toluene	ND		ug/kg	1.5	1
Ethylbenzene	ND		ug/kg	1.0	1
Chloromethane	ND		ug/kg	5.1	1
Bromomethane	ND		ug/kg	2.0	1
Vinyl chloride	ND		ug/kg	2.0	1
Chloroethane	ND		ug/kg	2.0	1
1,1-Dichloroethene	ND		ug/kg	1.0	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	1
Trichloroethene	2.1		ug/kg	1.0	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	1
1,3-Dichlorobenzene	ND		ug/kg	5.1	1

Project Name: NA SOIL EXCAVATION

Lab Number: L0710770

Project Number: 0051545

Report Date: 08/06/07

SAMPLE RESULTS

Lab ID: L0710770-05

Date Collected: 07/26/07 15:58

Client ID: SW-117-027-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
1,4-Dichlorobenzene	ND		ug/kg	5.1	1
Methyl tert butyl ether	ND		ug/kg	2.0	1
p/m-Xylene	ND		ug/kg	2.0	1
o-Xylene	ND		ug/kg	2.0	1
cis-1,2-Dichloroethene	3.7		ug/kg	1.0	1
Dibromomethane	ND		ug/kg	10	1
1,2,3-Trichloropropane	ND		ug/kg	10	1
Styrene	ND		ug/kg	2.0	1
Dichlorodifluoromethane	ND		ug/kg	10	1
Acetone	19		ug/kg	10	1
Carbon disulfide	ND		ug/kg	51	1
2-Butanone	ND		ug/kg	10	1
4-Methyl-2-pentanone	ND		ug/kg	10	1
2-Hexanone	ND		ug/kg	10	1
Bromochloromethane	ND		ug/kg	5.1	1
Tetrahydrofuran	ND		ug/kg	20	1
2,2-Dichloropropane	ND		ug/kg	5.1	1
1,2-Dibromoethane	ND		ug/kg	4.1	1
1,3-Dichloropropane	ND		ug/kg	5.1	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	1
Bromobenzene	ND		ug/kg	5.1	1
n-Butylbenzene	ND		ug/kg	1.0	1
sec-Butylbenzene	ND		ug/kg	1.0	1
tert-Butylbenzene	ND		ug/kg	5.1	1
o-Chlorotoluene	ND		ug/kg	5.1	1
p-Chlorotoluene	ND		ug/kg	5.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	1
Hexachlorobutadiene	ND		ug/kg	5.1	1
Isopropylbenzene	ND		ug/kg	1.0	1
p-Isopropyltoluene	ND		ug/kg	1.0	1
Naphthalene	ND		ug/kg	5.1	1
n-Propylbenzene	ND		ug/kg	1.0	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	1
Ethyl ether	ND		ug/kg	5.1	1

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-05

Date Collected: 07/26/07 15:58

Client ID: SW-117-027-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Isopropyl Ether	ND		ug/kg	4.1	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.1	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.1	1
1,4-Dioxane	ND		ug/kg	510	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	102		70-130

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-06

Date Collected: 07/26/07 16:00

Client ID: SW-117-033-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 60,8260B

Analytical Date: 08/04/07 13:47

Analyst: SE

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Methylene chloride	ND		ug/kg	11	1
1,1-Dichloroethane	ND		ug/kg	1.6	1
Chloroform	ND		ug/kg	1.6	1
Carbon tetrachloride	ND		ug/kg	1.1	1
1,2-Dichloropropane	ND		ug/kg	3.7	1
Dibromochloromethane	ND		ug/kg	1.1	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	1
Tetrachloroethene	2.8		ug/kg	1.1	1
Chlorobenzene	ND		ug/kg	1.1	1
Trichlorofluoromethane	ND		ug/kg	5.3	1
1,2-Dichloroethane	ND		ug/kg	1.1	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	1
Bromodichloromethane	ND		ug/kg	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	1
1,1-Dichloropropene	ND		ug/kg	5.3	1
Bromoform	ND		ug/kg	4.2	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	1
Benzene	ND		ug/kg	1.1	1
Toluene	ND		ug/kg	1.6	1
Ethylbenzene	ND		ug/kg	1.1	1
Chloromethane	ND		ug/kg	5.3	1
Bromomethane	ND		ug/kg	2.1	1
Vinyl chloride	ND		ug/kg	2.1	1
Chloroethane	ND		ug/kg	2.1	1
1,1-Dichloroethene	ND		ug/kg	1.1	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	1
Trichloroethene	2.5		ug/kg	1.1	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	1
1,3-Dichlorobenzene	ND		ug/kg	5.3	1

Project Name: NA SOIL EXCAVATION

Lab Number: L0710770

Project Number: 0051545

Report Date: 08/06/07

SAMPLE RESULTS

Lab ID: L0710770-06

Date Collected: 07/26/07 16:00

Client ID: SW-117-033-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
1,4-Dichlorobenzene	ND		ug/kg	5.3	1
Methyl tert butyl ether	ND		ug/kg	2.1	1
p/m-Xylene	ND		ug/kg	2.1	1
o-Xylene	ND		ug/kg	2.1	1
cis-1,2-Dichloroethene	6.8		ug/kg	1.1	1
Dibromomethane	ND		ug/kg	11	1
1,2,3-Trichloropropane	ND		ug/kg	11	1
Styrene	ND		ug/kg	2.1	1
Dichlorodifluoromethane	ND		ug/kg	11	1
Acetone	22		ug/kg	11	1
Carbon disulfide	ND		ug/kg	53	1
2-Butanone	ND		ug/kg	11	1
4-Methyl-2-pentanone	ND		ug/kg	11	1
2-Hexanone	ND		ug/kg	11	1
Bromochloromethane	ND		ug/kg	5.3	1
Tetrahydrofuran	ND		ug/kg	21	1
2,2-Dichloropropane	ND		ug/kg	5.3	1
1,2-Dibromoethane	ND		ug/kg	4.2	1
1,3-Dichloropropane	ND		ug/kg	5.3	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	1
Bromobenzene	ND		ug/kg	5.3	1
n-Butylbenzene	ND		ug/kg	1.1	1
sec-Butylbenzene	ND		ug/kg	1.1	1
tert-Butylbenzene	ND		ug/kg	5.3	1
o-Chlorotoluene	ND		ug/kg	5.3	1
p-Chlorotoluene	ND		ug/kg	5.3	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	1
Hexachlorobutadiene	ND		ug/kg	5.3	1
Isopropylbenzene	ND		ug/kg	1.1	1
p-Isopropyltoluene	ND		ug/kg	1.1	1
Naphthalene	ND		ug/kg	5.3	1
n-Propylbenzene	ND		ug/kg	1.1	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	1
Ethyl ether	ND		ug/kg	5.3	1

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-06

Date Collected: 07/26/07 16:00

Client ID: SW-117-033-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Isopropyl Ether	ND		ug/kg	4.2	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.2	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.2	1
1,4-Dioxane	ND		ug/kg	530	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	100		70-130

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-07

Date Collected: 07/26/07 16:02

Client ID: SW-117-039-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 60,8260B

Analytical Date: 08/04/07 14:23

Analyst: SE

Percent Solids: 82%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Methylene chloride	ND		ug/kg	8.8	1
1,1-Dichloroethane	ND		ug/kg	1.3	1
Chloroform	ND		ug/kg	1.3	1
Carbon tetrachloride	ND		ug/kg	0.88	1
1,2-Dichloropropane	ND		ug/kg	3.1	1
Dibromochloromethane	ND		ug/kg	0.88	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	1
Tetrachloroethene	5.9		ug/kg	0.88	1
Chlorobenzene	ND		ug/kg	0.88	1
Trichlorofluoromethane	ND		ug/kg	4.4	1
1,2-Dichloroethane	ND		ug/kg	0.88	1
1,1,1-Trichloroethane	ND		ug/kg	0.88	1
Bromodichloromethane	ND		ug/kg	0.88	1
trans-1,3-Dichloropropene	ND		ug/kg	0.88	1
cis-1,3-Dichloropropene	ND		ug/kg	0.88	1
1,1-Dichloropropene	ND		ug/kg	4.4	1
Bromoform	ND		ug/kg	3.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.88	1
Benzene	ND		ug/kg	0.88	1
Toluene	ND		ug/kg	1.3	1
Ethylbenzene	ND		ug/kg	0.88	1
Chloromethane	ND		ug/kg	4.4	1
Bromomethane	ND		ug/kg	1.8	1
Vinyl chloride	ND		ug/kg	1.8	1
Chloroethane	ND		ug/kg	1.8	1
1,1-Dichloroethene	ND		ug/kg	0.88	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	1
Trichloroethene	19		ug/kg	0.88	1
1,2-Dichlorobenzene	ND		ug/kg	4.4	1
1,3-Dichlorobenzene	ND		ug/kg	4.4	1

Project Name: NA SOIL EXCAVATION

Lab Number: L0710770

Project Number: 0051545

Report Date: 08/06/07

SAMPLE RESULTS

Lab ID: L0710770-07

Date Collected: 07/26/07 16:02

Client ID: SW-117-039-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
1,4-Dichlorobenzene	ND		ug/kg	4.4	1
Methyl tert butyl ether	ND		ug/kg	1.8	1
p/m-Xylene	ND		ug/kg	1.8	1
o-Xylene	ND		ug/kg	1.8	1
cis-1,2-Dichloroethene	19		ug/kg	0.88	1
Dibromomethane	ND		ug/kg	8.8	1
1,2,3-Trichloropropane	ND		ug/kg	8.8	1
Styrene	ND		ug/kg	1.8	1
Dichlorodifluoromethane	ND		ug/kg	8.8	1
Acetone	44		ug/kg	8.8	1
Carbon disulfide	ND		ug/kg	44	1
2-Butanone	ND		ug/kg	8.8	1
4-Methyl-2-pentanone	ND		ug/kg	8.8	1
2-Hexanone	ND		ug/kg	8.8	1
Bromochloromethane	ND		ug/kg	4.4	1
Tetrahydrofuran	ND		ug/kg	18	1
2,2-Dichloropropane	ND		ug/kg	4.4	1
1,2-Dibromoethane	ND		ug/kg	3.5	1
1,3-Dichloropropane	ND		ug/kg	4.4	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.88	1
Bromobenzene	ND		ug/kg	4.4	1
n-Butylbenzene	ND		ug/kg	0.88	1
sec-Butylbenzene	ND		ug/kg	0.88	1
tert-Butylbenzene	ND		ug/kg	4.4	1
o-Chlorotoluene	ND		ug/kg	4.4	1
p-Chlorotoluene	ND		ug/kg	4.4	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.4	1
Hexachlorobutadiene	ND		ug/kg	4.4	1
Isopropylbenzene	ND		ug/kg	0.88	1
p-Isopropyltoluene	ND		ug/kg	0.88	1
Naphthalene	ND		ug/kg	4.4	1
n-Propylbenzene	ND		ug/kg	0.88	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.4	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.4	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.4	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.4	1
Ethyl ether	ND		ug/kg	4.4	1

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-07

Date Collected: 07/26/07 16:02

Client ID: SW-117-039-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Isopropyl Ether	ND		ug/kg	3.5	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.5	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.5	1
1,4-Dioxane	ND		ug/kg	440	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	104		70-130

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-08

Date Collected: 07/26/07 16:04

Client ID: SW-117-045-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 60,8260B

Analytical Date: 08/04/07 15:00

Analyst: SE

Percent Solids: 77%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Methylene chloride	ND		ug/kg	12	1
1,1-Dichloroethane	ND		ug/kg	1.8	1
Chloroform	ND		ug/kg	1.8	1
Carbon tetrachloride	ND		ug/kg	1.2	1
1,2-Dichloropropane	ND		ug/kg	4.2	1
Dibromochloromethane	ND		ug/kg	1.2	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	1
Tetrachloroethene	75		ug/kg	1.2	1
Chlorobenzene	ND		ug/kg	1.2	1
Trichlorofluoromethane	ND		ug/kg	6.0	1
1,2-Dichloroethane	ND		ug/kg	1.2	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	1
Bromodichloromethane	ND		ug/kg	1.2	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	1
1,1-Dichloropropene	ND		ug/kg	6.0	1
Bromoform	ND		ug/kg	4.8	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	1
Benzene	ND		ug/kg	1.2	1
Toluene	ND		ug/kg	1.8	1
Ethylbenzene	ND		ug/kg	1.2	1
Chloromethane	ND		ug/kg	6.0	1
Bromomethane	ND		ug/kg	2.4	1
Vinyl chloride	ND		ug/kg	2.4	1
Chloroethane	ND		ug/kg	2.4	1
1,1-Dichloroethene	ND		ug/kg	1.2	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	1
Trichloroethene	230		ug/kg	1.2	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	1

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-08

Date Collected: 07/26/07 16:04

Client ID: SW-117-045-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
1,4-Dichlorobenzene	ND		ug/kg	6.0	1
Methyl tert butyl ether	ND		ug/kg	2.4	1
p/m-Xylene	ND		ug/kg	2.4	1
o-Xylene	ND		ug/kg	2.4	1
cis-1,2-Dichloroethene	180		ug/kg	1.2	1
Dibromomethane	ND		ug/kg	12	1
1,2,3-Trichloropropane	ND		ug/kg	12	1
Styrene	ND		ug/kg	2.4	1
Dichlorodifluoromethane	ND		ug/kg	12	1
Acetone	46		ug/kg	12	1
Carbon disulfide	ND		ug/kg	60	1
2-Butanone	ND		ug/kg	12	1
4-Methyl-2-pentanone	ND		ug/kg	12	1
2-Hexanone	ND		ug/kg	12	1
Bromochloromethane	ND		ug/kg	6.0	1
Tetrahydrofuran	ND		ug/kg	24	1
2,2-Dichloropropane	ND		ug/kg	6.0	1
1,2-Dibromoethane	ND		ug/kg	4.8	1
1,3-Dichloropropane	ND		ug/kg	6.0	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	1
Bromobenzene	ND		ug/kg	6.0	1
n-Butylbenzene	ND		ug/kg	1.2	1
sec-Butylbenzene	ND		ug/kg	1.2	1
tert-Butylbenzene	ND		ug/kg	6.0	1
o-Chlorotoluene	ND		ug/kg	6.0	1
p-Chlorotoluene	ND		ug/kg	6.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	1
Hexachlorobutadiene	ND		ug/kg	6.0	1
Isopropylbenzene	ND		ug/kg	1.2	1
p-Isopropyltoluene	ND		ug/kg	1.2	1
Naphthalene	ND		ug/kg	6.0	1
n-Propylbenzene	ND		ug/kg	1.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.0	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.0	1
Ethyl ether	ND		ug/kg	6.0	1

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-08

Date Collected: 07/26/07 16:04

Client ID: SW-117-045-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Isopropyl Ether	ND		ug/kg	4.8	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.8	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.8	1
1,4-Dioxane	ND		ug/kg	600	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	105		70-130

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-09

Date Collected: 07/26/07 16:06

Client ID: SW-117-051-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 60,8260B

Analytical Date: 08/04/07 15:36

Analyst: SE

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Methylene chloride	ND		ug/kg	11	1
1,1-Dichloroethane	ND		ug/kg	1.6	1
Chloroform	ND		ug/kg	1.6	1
Carbon tetrachloride	ND		ug/kg	1.1	1
1,2-Dichloropropane	ND		ug/kg	3.7	1
Dibromochloromethane	ND		ug/kg	1.1	1
1,1,1-Trichloroethane	ND		ug/kg	1.6	1
Tetrachloroethene	1.2		ug/kg	1.1	1
Chlorobenzene	ND		ug/kg	1.1	1
Trichlorofluoromethane	ND		ug/kg	5.3	1
1,2-Dichloroethane	ND		ug/kg	1.1	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	1
Bromodichloromethane	ND		ug/kg	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	1
1,1-Dichloropropene	ND		ug/kg	5.3	1
Bromoform	ND		ug/kg	4.3	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	1
Benzene	ND		ug/kg	1.1	1
Toluene	ND		ug/kg	1.6	1
Ethylbenzene	ND		ug/kg	1.1	1
Chloromethane	ND		ug/kg	5.3	1
Bromomethane	ND		ug/kg	2.1	1
Vinyl chloride	ND		ug/kg	2.1	1
Chloroethane	ND		ug/kg	2.1	1
1,1-Dichloroethene	ND		ug/kg	1.1	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	1
Trichloroethene	ND		ug/kg	1.1	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	1
1,3-Dichlorobenzene	ND		ug/kg	5.3	1

Project Name: NA SOIL EXCAVATION

Lab Number: L0710770

Project Number: 0051545

Report Date: 08/06/07

SAMPLE RESULTS

Lab ID: L0710770-09

Date Collected: 07/26/07 16:06

Client ID: SW-117-051-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
1,4-Dichlorobenzene	ND		ug/kg	5.3	1
Methyl tert butyl ether	ND		ug/kg	2.1	1
p/m-Xylene	ND		ug/kg	2.1	1
o-Xylene	ND		ug/kg	2.1	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	1
Dibromomethane	ND		ug/kg	11	1
1,2,3-Trichloropropane	ND		ug/kg	11	1
Styrene	ND		ug/kg	2.1	1
Dichlorodifluoromethane	ND		ug/kg	11	1
Acetone	17		ug/kg	11	1
Carbon disulfide	ND		ug/kg	53	1
2-Butanone	ND		ug/kg	11	1
4-Methyl-2-pentanone	ND		ug/kg	11	1
2-Hexanone	ND		ug/kg	11	1
Bromochloromethane	ND		ug/kg	5.3	1
Tetrahydrofuran	ND		ug/kg	21	1
2,2-Dichloropropane	ND		ug/kg	5.3	1
1,2-Dibromoethane	ND		ug/kg	4.3	1
1,3-Dichloropropane	ND		ug/kg	5.3	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	1
Bromobenzene	ND		ug/kg	5.3	1
n-Butylbenzene	ND		ug/kg	1.1	1
sec-Butylbenzene	ND		ug/kg	1.1	1
tert-Butylbenzene	ND		ug/kg	5.3	1
o-Chlorotoluene	ND		ug/kg	5.3	1
p-Chlorotoluene	ND		ug/kg	5.3	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	1
Hexachlorobutadiene	ND		ug/kg	5.3	1
Isopropylbenzene	ND		ug/kg	1.1	1
p-Isopropyltoluene	ND		ug/kg	1.1	1
Naphthalene	ND		ug/kg	5.3	1
n-Propylbenzene	ND		ug/kg	1.1	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	1
Ethyl ether	ND		ug/kg	5.3	1

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-09

Date Collected: 07/26/07 16:06

Client ID: SW-117-051-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Isopropyl Ether	ND		ug/kg	4.3	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.3	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.3	1
1,4-Dioxane	ND		ug/kg	530	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	102		70-130

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-10
Client ID: SW-117-057-20070726-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Anaytical Method: 60,8260B
Analytical Date: 08/04/07 16:12
Analyst: SE
Percent Solids: 77%

Date Collected: 07/26/07 16:08
Date Received: 07/27/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Methylene chloride	ND		ug/kg	12	1
1,1-Dichloroethane	ND		ug/kg	1.8	1
Chloroform	ND		ug/kg	1.8	1
Carbon tetrachloride	ND		ug/kg	1.2	1
1,2-Dichloropropane	ND		ug/kg	4.1	1
Dibromochloromethane	ND		ug/kg	1.2	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	1
Tetrachloroethene	ND		ug/kg	1.2	1
Chlorobenzene	ND		ug/kg	1.2	1
Trichlorofluoromethane	ND		ug/kg	5.9	1
1,2-Dichloroethane	ND		ug/kg	1.2	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	1
Bromodichloromethane	ND		ug/kg	1.2	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	1
1,1-Dichloropropene	ND		ug/kg	5.9	1
Bromoform	ND		ug/kg	4.7	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	1
Benzene	ND		ug/kg	1.2	1
Toluene	ND		ug/kg	1.8	1
Ethylbenzene	ND		ug/kg	1.2	1
Chloromethane	ND		ug/kg	5.9	1
Bromomethane	ND		ug/kg	2.4	1
Vinyl chloride	ND		ug/kg	2.4	1
Chloroethane	ND		ug/kg	2.4	1
1,1-Dichloroethene	ND		ug/kg	1.2	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	1
Trichloroethene	ND		ug/kg	1.2	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	1
1,3-Dichlorobenzene	ND		ug/kg	5.9	1

Project Name: NA SOIL EXCAVATION

Lab Number: L0710770

Project Number: 0051545

Report Date: 08/06/07

SAMPLE RESULTS

Lab ID: L0710770-10

Date Collected: 07/26/07 16:08

Client ID: SW-117-057-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
1,4-Dichlorobenzene	ND		ug/kg	5.9	1
Methyl tert butyl ether	ND		ug/kg	2.4	1
p/m-Xylene	ND		ug/kg	2.4	1
o-Xylene	ND		ug/kg	2.4	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	1
Dibromomethane	ND		ug/kg	12	1
1,2,3-Trichloropropane	ND		ug/kg	12	1
Styrene	ND		ug/kg	2.4	1
Dichlorodifluoromethane	ND		ug/kg	12	1
Acetone	ND		ug/kg	12	1
Carbon disulfide	ND		ug/kg	59	1
2-Butanone	ND		ug/kg	12	1
4-Methyl-2-pentanone	ND		ug/kg	12	1
2-Hexanone	ND		ug/kg	12	1
Bromochloromethane	ND		ug/kg	5.9	1
Tetrahydrofuran	ND		ug/kg	24	1
2,2-Dichloropropane	ND		ug/kg	5.9	1
1,2-Dibromoethane	ND		ug/kg	4.7	1
1,3-Dichloropropane	ND		ug/kg	5.9	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	1
Bromobenzene	ND		ug/kg	5.9	1
n-Butylbenzene	ND		ug/kg	1.2	1
sec-Butylbenzene	ND		ug/kg	1.2	1
tert-Butylbenzene	ND		ug/kg	5.9	1
o-Chlorotoluene	ND		ug/kg	5.9	1
p-Chlorotoluene	ND		ug/kg	5.9	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	1
Hexachlorobutadiene	ND		ug/kg	5.9	1
Isopropylbenzene	ND		ug/kg	1.2	1
p-Isopropyltoluene	ND		ug/kg	1.2	1
Naphthalene	ND		ug/kg	5.9	1
n-Propylbenzene	ND		ug/kg	1.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.9	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.9	1
Ethyl ether	ND		ug/kg	5.9	1

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-10

Date Collected: 07/26/07 16:08

Client ID: SW-117-057-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Isopropyl Ether	ND		ug/kg	4.7	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.7	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.7	1
1,4-Dioxane	ND		ug/kg	590	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	104		70-130

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-11
Client ID: SW-117-063-20070726-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Anaytical Method: 60,8260B
Analytical Date: 08/04/07 16:49
Analyst: SE
Percent Solids: 76%

Date Collected: 07/26/07 16:10
Date Received: 07/27/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Methylene chloride	ND		ug/kg	12	1
1,1-Dichloroethane	ND		ug/kg	1.8	1
Chloroform	ND		ug/kg	1.8	1
Carbon tetrachloride	ND		ug/kg	1.2	1
1,2-Dichloropropane	ND		ug/kg	4.3	1
Dibromochloromethane	ND		ug/kg	1.2	1
1,1,1-Trichloroethane	ND		ug/kg	1.8	1
Tetrachloroethene	ND		ug/kg	1.2	1
Chlorobenzene	ND		ug/kg	1.2	1
Trichlorofluoromethane	ND		ug/kg	6.1	1
1,2-Dichloroethane	ND		ug/kg	1.2	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	1
Bromodichloromethane	ND		ug/kg	1.2	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	1
1,1-Dichloropropene	ND		ug/kg	6.1	1
Bromoform	ND		ug/kg	4.9	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	1
Benzene	ND		ug/kg	1.2	1
Toluene	ND		ug/kg	1.8	1
Ethylbenzene	ND		ug/kg	1.2	1
Chloromethane	ND		ug/kg	6.1	1
Bromomethane	ND		ug/kg	2.4	1
Vinyl chloride	ND		ug/kg	2.4	1
Chloroethane	ND		ug/kg	2.4	1
1,1-Dichloroethene	ND		ug/kg	1.2	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	1
Trichloroethene	ND		ug/kg	1.2	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	1
1,3-Dichlorobenzene	ND		ug/kg	6.1	1

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-11

Date Collected: 07/26/07 16:10

Client ID: SW-117-063-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
1,4-Dichlorobenzene	ND		ug/kg	6.1	1
Methyl tert butyl ether	ND		ug/kg	2.4	1
p/m-Xylene	ND		ug/kg	2.4	1
o-Xylene	ND		ug/kg	2.4	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	1
Dibromomethane	ND		ug/kg	12	1
1,2,3-Trichloropropane	ND		ug/kg	12	1
Styrene	ND		ug/kg	2.4	1
Dichlorodifluoromethane	ND		ug/kg	12	1
Acetone	ND		ug/kg	12	1
Carbon disulfide	ND		ug/kg	61	1
2-Butanone	ND		ug/kg	12	1
4-Methyl-2-pentanone	ND		ug/kg	12	1
2-Hexanone	ND		ug/kg	12	1
Bromochloromethane	ND		ug/kg	6.1	1
Tetrahydrofuran	ND		ug/kg	24	1
2,2-Dichloropropane	ND		ug/kg	6.1	1
1,2-Dibromoethane	ND		ug/kg	4.9	1
1,3-Dichloropropane	ND		ug/kg	6.1	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	1
Bromobenzene	ND		ug/kg	6.1	1
n-Butylbenzene	ND		ug/kg	1.2	1
sec-Butylbenzene	ND		ug/kg	1.2	1
tert-Butylbenzene	ND		ug/kg	6.1	1
o-Chlorotoluene	ND		ug/kg	6.1	1
p-Chlorotoluene	ND		ug/kg	6.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	1
Hexachlorobutadiene	ND		ug/kg	6.1	1
Isopropylbenzene	ND		ug/kg	1.2	1
p-Isopropyltoluene	ND		ug/kg	1.2	1
Naphthalene	ND		ug/kg	6.1	1
n-Propylbenzene	ND		ug/kg	1.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.1	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.1	1
Ethyl ether	ND		ug/kg	6.1	1

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-11

Date Collected: 07/26/07 16:10

Client ID: SW-117-063-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Isopropyl Ether	ND		ug/kg	4.9	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.9	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.9	1
1,4-Dioxane	ND		ug/kg	610	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	105		70-130

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-12
Client ID: SW-117-069-20070726-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Anaytical Method: 60,8260B
Analytical Date: 08/04/07 17:25
Analyst: SE
Percent Solids: 78%

Date Collected: 07/26/07 16:12
Date Received: 07/27/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Methylene chloride	ND		ug/kg	12	1
1,1-Dichloroethane	ND		ug/kg	1.7	1
Chloroform	ND		ug/kg	1.7	1
Carbon tetrachloride	ND		ug/kg	1.2	1
1,2-Dichloropropane	ND		ug/kg	4.1	1
Dibromochloromethane	ND		ug/kg	1.2	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	1
Tetrachloroethene	ND		ug/kg	1.2	1
Chlorobenzene	ND		ug/kg	1.2	1
Trichlorofluoromethane	ND		ug/kg	5.8	1
1,2-Dichloroethane	ND		ug/kg	1.2	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	1
Bromodichloromethane	ND		ug/kg	1.2	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	1
1,1-Dichloropropene	ND		ug/kg	5.8	1
Bromoform	ND		ug/kg	4.7	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	1
Benzene	ND		ug/kg	1.2	1
Toluene	ND		ug/kg	1.7	1
Ethylbenzene	ND		ug/kg	1.2	1
Chloromethane	ND		ug/kg	5.8	1
Bromomethane	ND		ug/kg	2.3	1
Vinyl chloride	ND		ug/kg	2.3	1
Chloroethane	ND		ug/kg	2.3	1
1,1-Dichloroethene	ND		ug/kg	1.2	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	1
Trichloroethene	ND		ug/kg	1.2	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	1
1,3-Dichlorobenzene	ND		ug/kg	5.8	1

Project Name: NA SOIL EXCAVATION

Lab Number: L0710770

Project Number: 0051545

Report Date: 08/06/07

SAMPLE RESULTS

Lab ID: L0710770-12

Date Collected: 07/26/07 16:12

Client ID: SW-117-069-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
1,4-Dichlorobenzene	ND		ug/kg	5.8	1
Methyl tert butyl ether	ND		ug/kg	2.3	1
p/m-Xylene	ND		ug/kg	2.3	1
o-Xylene	ND		ug/kg	2.3	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	1
Dibromomethane	ND		ug/kg	12	1
1,2,3-Trichloropropane	ND		ug/kg	12	1
Styrene	ND		ug/kg	2.3	1
Dichlorodifluoromethane	ND		ug/kg	12	1
Acetone	47		ug/kg	12	1
Carbon disulfide	ND		ug/kg	58	1
2-Butanone	ND		ug/kg	12	1
4-Methyl-2-pentanone	ND		ug/kg	12	1
2-Hexanone	ND		ug/kg	12	1
Bromochloromethane	ND		ug/kg	5.8	1
Tetrahydrofuran	ND		ug/kg	23	1
2,2-Dichloropropane	ND		ug/kg	5.8	1
1,2-Dibromoethane	ND		ug/kg	4.7	1
1,3-Dichloropropane	ND		ug/kg	5.8	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	1
Bromobenzene	ND		ug/kg	5.8	1
n-Butylbenzene	ND		ug/kg	1.2	1
sec-Butylbenzene	ND		ug/kg	1.2	1
tert-Butylbenzene	ND		ug/kg	5.8	1
o-Chlorotoluene	ND		ug/kg	5.8	1
p-Chlorotoluene	ND		ug/kg	5.8	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	1
Hexachlorobutadiene	ND		ug/kg	5.8	1
Isopropylbenzene	ND		ug/kg	1.2	1
p-Isopropyltoluene	ND		ug/kg	1.2	1
Naphthalene	ND		ug/kg	5.8	1
n-Propylbenzene	ND		ug/kg	1.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.8	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.8	1
Ethyl ether	ND		ug/kg	5.8	1

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-12

Date Collected: 07/26/07 16:12

Client ID: SW-117-069-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Isopropyl Ether	ND		ug/kg	4.7	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.7	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.7	1
1,4-Dioxane	ND		ug/kg	580	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-13

Date Collected: 07/26/07 16:14

Client ID: SW-117-075-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 60,8260B

Analytical Date: 08/04/07 18:01

Analyst: SE

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Methylene chloride	ND		ug/kg	12	1
1,1-Dichloroethane	ND		ug/kg	1.7	1
Chloroform	ND		ug/kg	1.7	1
Carbon tetrachloride	ND		ug/kg	1.2	1
1,2-Dichloropropane	ND		ug/kg	4.1	1
Dibromochloromethane	ND		ug/kg	1.2	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	1
Tetrachloroethene	ND		ug/kg	1.2	1
Chlorobenzene	ND		ug/kg	1.2	1
Trichlorofluoromethane	ND		ug/kg	5.8	1
1,2-Dichloroethane	ND		ug/kg	1.2	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	1
Bromodichloromethane	ND		ug/kg	1.2	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	1
1,1-Dichloropropene	ND		ug/kg	5.8	1
Bromoform	ND		ug/kg	4.7	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	1
Benzene	ND		ug/kg	1.2	1
Toluene	ND		ug/kg	1.7	1
Ethylbenzene	ND		ug/kg	1.2	1
Chloromethane	ND		ug/kg	5.8	1
Bromomethane	ND		ug/kg	2.3	1
Vinyl chloride	ND		ug/kg	2.3	1
Chloroethane	ND		ug/kg	2.3	1
1,1-Dichloroethene	ND		ug/kg	1.2	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	1
Trichloroethene	ND		ug/kg	1.2	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	1
1,3-Dichlorobenzene	ND		ug/kg	5.8	1

Project Name: NA SOIL EXCAVATION

Lab Number: L0710770

Project Number: 0051545

Report Date: 08/06/07

SAMPLE RESULTS

Lab ID: L0710770-13

Date Collected: 07/26/07 16:14

Client ID: SW-117-075-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
1,4-Dichlorobenzene	ND		ug/kg	5.8	1
Methyl tert butyl ether	ND		ug/kg	2.3	1
p/m-Xylene	ND		ug/kg	2.3	1
o-Xylene	ND		ug/kg	2.3	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	1
Dibromomethane	ND		ug/kg	12	1
1,2,3-Trichloropropane	ND		ug/kg	12	1
Styrene	ND		ug/kg	2.3	1
Dichlorodifluoromethane	ND		ug/kg	12	1
Acetone	13		ug/kg	12	1
Carbon disulfide	ND		ug/kg	58	1
2-Butanone	ND		ug/kg	12	1
4-Methyl-2-pentanone	ND		ug/kg	12	1
2-Hexanone	ND		ug/kg	12	1
Bromochloromethane	ND		ug/kg	5.8	1
Tetrahydrofuran	ND		ug/kg	23	1
2,2-Dichloropropane	ND		ug/kg	5.8	1
1,2-Dibromoethane	ND		ug/kg	4.7	1
1,3-Dichloropropane	ND		ug/kg	5.8	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	1
Bromobenzene	ND		ug/kg	5.8	1
n-Butylbenzene	ND		ug/kg	1.2	1
sec-Butylbenzene	ND		ug/kg	1.2	1
tert-Butylbenzene	ND		ug/kg	5.8	1
o-Chlorotoluene	ND		ug/kg	5.8	1
p-Chlorotoluene	ND		ug/kg	5.8	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	1
Hexachlorobutadiene	ND		ug/kg	5.8	1
Isopropylbenzene	ND		ug/kg	1.2	1
p-Isopropyltoluene	ND		ug/kg	1.2	1
Naphthalene	ND		ug/kg	5.8	1
n-Propylbenzene	ND		ug/kg	1.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.8	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.8	1
Ethyl ether	ND		ug/kg	5.8	1

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-13

Date Collected: 07/26/07 16:14

Client ID: SW-117-075-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Isopropyl Ether	ND		ug/kg	4.7	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.7	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.7	1
1,4-Dioxane	ND		ug/kg	580	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	105		70-130

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-14
Client ID: SW-117-081-20070726-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Anaytical Method: 60,8260B
Analytical Date: 08/04/07 18:37
Analyst: SE
Percent Solids: 78%

Date Collected: 07/26/07 16:16
Date Received: 07/27/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Methylene chloride	ND		ug/kg	11	1
1,1-Dichloroethane	ND		ug/kg	1.6	1
Chloroform	ND		ug/kg	1.6	1
Carbon tetrachloride	ND		ug/kg	1.1	1
1,2-Dichloropropane	ND		ug/kg	3.8	1
Dibromochloromethane	ND		ug/kg	1.1	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	1
Tetrachloroethene	ND		ug/kg	1.1	1
Chlorobenzene	ND		ug/kg	1.1	1
Trichlorofluoromethane	ND		ug/kg	5.4	1
1,2-Dichloroethane	ND		ug/kg	1.1	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	1
Bromodichloromethane	ND		ug/kg	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	1
1,1-Dichloropropene	ND		ug/kg	5.4	1
Bromoform	ND		ug/kg	4.3	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	1
Benzene	ND		ug/kg	1.1	1
Toluene	ND		ug/kg	1.6	1
Ethylbenzene	ND		ug/kg	1.1	1
Chloromethane	ND		ug/kg	5.4	1
Bromomethane	ND		ug/kg	2.2	1
Vinyl chloride	ND		ug/kg	2.2	1
Chloroethane	ND		ug/kg	2.2	1
1,1-Dichloroethene	ND		ug/kg	1.1	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	1
Trichloroethene	ND		ug/kg	1.1	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	1

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-14

Date Collected: 07/26/07 16:16

Client ID: SW-117-081-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
1,4-Dichlorobenzene	ND		ug/kg	5.4	1
Methyl tert butyl ether	ND		ug/kg	2.2	1
p/m-Xylene	ND		ug/kg	2.2	1
o-Xylene	ND		ug/kg	2.2	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	1
Dibromomethane	ND		ug/kg	11	1
1,2,3-Trichloropropane	ND		ug/kg	11	1
Styrene	ND		ug/kg	2.2	1
Dichlorodifluoromethane	ND		ug/kg	11	1
Acetone	21		ug/kg	11	1
Carbon disulfide	ND		ug/kg	54	1
2-Butanone	ND		ug/kg	11	1
4-Methyl-2-pentanone	ND		ug/kg	11	1
2-Hexanone	ND		ug/kg	11	1
Bromochloromethane	ND		ug/kg	5.4	1
Tetrahydrofuran	ND		ug/kg	22	1
2,2-Dichloropropane	ND		ug/kg	5.4	1
1,2-Dibromoethane	ND		ug/kg	4.3	1
1,3-Dichloropropane	ND		ug/kg	5.4	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	1
Bromobenzene	ND		ug/kg	5.4	1
n-Butylbenzene	ND		ug/kg	1.1	1
sec-Butylbenzene	ND		ug/kg	1.1	1
tert-Butylbenzene	ND		ug/kg	5.4	1
o-Chlorotoluene	ND		ug/kg	5.4	1
p-Chlorotoluene	ND		ug/kg	5.4	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	1
Hexachlorobutadiene	ND		ug/kg	5.4	1
Isopropylbenzene	ND		ug/kg	1.1	1
p-Isopropyltoluene	ND		ug/kg	1.1	1
Naphthalene	ND		ug/kg	5.4	1
n-Propylbenzene	ND		ug/kg	1.1	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.4	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.4	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	1
Ethyl ether	ND		ug/kg	5.4	1

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-14

Date Collected: 07/26/07 16:16

Client ID: SW-117-081-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Isopropyl Ether	ND		ug/kg	4.3	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.3	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.3	1
1,4-Dioxane	ND		ug/kg	540	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	99		70-130

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-15

Date Collected: 07/26/07 16:18

Client ID: SW-117-087-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 60,8260B

Analytical Date: 08/04/07 19:13

Analyst: SE

Percent Solids: 76%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Methylene chloride	ND		ug/kg	12	1
1,1-Dichloroethane	ND		ug/kg	1.8	1
Chloroform	ND		ug/kg	1.8	1
Carbon tetrachloride	ND		ug/kg	1.2	1
1,2-Dichloropropane	ND		ug/kg	4.1	1
Dibromochloromethane	ND		ug/kg	1.2	1
1,1,1-Trichloroethane	ND		ug/kg	1.8	1
Tetrachloroethene	ND		ug/kg	1.2	1
Chlorobenzene	ND		ug/kg	1.2	1
Trichlorofluoromethane	ND		ug/kg	5.9	1
1,2-Dichloroethane	ND		ug/kg	1.2	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	1
Bromodichloromethane	ND		ug/kg	1.2	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	1
1,1-Dichloropropene	ND		ug/kg	5.9	1
Bromoform	ND		ug/kg	4.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	1
Benzene	ND		ug/kg	1.2	1
Toluene	ND		ug/kg	1.8	1
Ethylbenzene	ND		ug/kg	1.2	1
Chloromethane	ND		ug/kg	5.9	1
Bromomethane	ND		ug/kg	2.3	1
Vinyl chloride	ND		ug/kg	2.3	1
Chloroethane	ND		ug/kg	2.3	1
1,1-Dichloroethene	ND		ug/kg	1.2	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	1
Trichloroethene	ND		ug/kg	1.2	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	1
1,3-Dichlorobenzene	ND		ug/kg	5.9	1

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-15

Date Collected: 07/26/07 16:18

Client ID: SW-117-087-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
1,4-Dichlorobenzene	ND		ug/kg	5.9	1
Methyl tert butyl ether	ND		ug/kg	2.3	1
p/m-Xylene	ND		ug/kg	2.3	1
o-Xylene	ND		ug/kg	2.3	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	1
Dibromomethane	ND		ug/kg	12	1
1,2,3-Trichloropropane	ND		ug/kg	12	1
Styrene	ND		ug/kg	2.3	1
Dichlorodifluoromethane	ND		ug/kg	12	1
Acetone	56		ug/kg	12	1
Carbon disulfide	ND		ug/kg	59	1
2-Butanone	ND		ug/kg	12	1
4-Methyl-2-pentanone	ND		ug/kg	12	1
2-Hexanone	ND		ug/kg	12	1
Bromochloromethane	ND		ug/kg	5.9	1
Tetrahydrofuran	ND		ug/kg	23	1
2,2-Dichloropropane	ND		ug/kg	5.9	1
1,2-Dibromoethane	ND		ug/kg	4.7	1
1,3-Dichloropropane	ND		ug/kg	5.9	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	1
Bromobenzene	ND		ug/kg	5.9	1
n-Butylbenzene	ND		ug/kg	1.2	1
sec-Butylbenzene	ND		ug/kg	1.2	1
tert-Butylbenzene	ND		ug/kg	5.9	1
o-Chlorotoluene	ND		ug/kg	5.9	1
p-Chlorotoluene	ND		ug/kg	5.9	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	1
Hexachlorobutadiene	ND		ug/kg	5.9	1
Isopropylbenzene	ND		ug/kg	1.2	1
p-Isopropyltoluene	ND		ug/kg	1.2	1
Naphthalene	ND		ug/kg	5.9	1
n-Propylbenzene	ND		ug/kg	1.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.9	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.9	1
Ethyl ether	ND		ug/kg	5.9	1

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-15

Date Collected: 07/26/07 16:18

Client ID: SW-117-087-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Isopropyl Ether	ND		ug/kg	4.7	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.7	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.7	1
1,4-Dioxane	ND		ug/kg	590	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	101		70-130

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-16

Date Collected: 07/26/07 16:20

Client ID: SW-117-093-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 60,8260B

Analytical Date: 08/04/07 19:49

Analyst: SE

Percent Solids: 76%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Methylene chloride	ND		ug/kg	13	1
1,1-Dichloroethane	ND		ug/kg	1.9	1
Chloroform	ND		ug/kg	1.9	1
Carbon tetrachloride	ND		ug/kg	1.3	1
1,2-Dichloropropane	ND		ug/kg	4.4	1
Dibromochloromethane	ND		ug/kg	1.3	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	1
Tetrachloroethene	ND		ug/kg	1.3	1
Chlorobenzene	ND		ug/kg	1.3	1
Trichlorofluoromethane	ND		ug/kg	6.3	1
1,2-Dichloroethane	ND		ug/kg	1.3	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	1
Bromodichloromethane	ND		ug/kg	1.3	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	1
1,1-Dichloropropene	ND		ug/kg	6.3	1
Bromoform	ND		ug/kg	5.1	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	1
Benzene	ND		ug/kg	1.3	1
Toluene	ND		ug/kg	1.9	1
Ethylbenzene	ND		ug/kg	1.3	1
Chloromethane	ND		ug/kg	6.3	1
Bromomethane	ND		ug/kg	2.5	1
Vinyl chloride	ND		ug/kg	2.5	1
Chloroethane	ND		ug/kg	2.5	1
1,1-Dichloroethene	ND		ug/kg	1.3	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	1
Trichloroethene	ND		ug/kg	1.3	1
1,2-Dichlorobenzene	ND		ug/kg	6.3	1
1,3-Dichlorobenzene	ND		ug/kg	6.3	1

Project Name: NA SOIL EXCAVATION

Lab Number: L0710770

Project Number: 0051545

Report Date: 08/06/07

SAMPLE RESULTS

Lab ID: L0710770-16

Date Collected: 07/26/07 16:20

Client ID: SW-117-093-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
1,4-Dichlorobenzene	ND		ug/kg	6.3	1
Methyl tert butyl ether	ND		ug/kg	2.5	1
p/m-Xylene	ND		ug/kg	2.5	1
o-Xylene	ND		ug/kg	2.5	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	1
Dibromomethane	ND		ug/kg	13	1
1,2,3-Trichloropropane	ND		ug/kg	13	1
Styrene	ND		ug/kg	2.5	1
Dichlorodifluoromethane	ND		ug/kg	13	1
Acetone	38		ug/kg	13	1
Carbon disulfide	ND		ug/kg	63	1
2-Butanone	ND		ug/kg	13	1
4-Methyl-2-pentanone	ND		ug/kg	13	1
2-Hexanone	ND		ug/kg	13	1
Bromochloromethane	ND		ug/kg	6.3	1
Tetrahydrofuran	ND		ug/kg	25	1
2,2-Dichloropropane	ND		ug/kg	6.3	1
1,2-Dibromoethane	ND		ug/kg	5.1	1
1,3-Dichloropropane	ND		ug/kg	6.3	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	1
Bromobenzene	ND		ug/kg	6.3	1
n-Butylbenzene	ND		ug/kg	1.3	1
sec-Butylbenzene	ND		ug/kg	1.3	1
tert-Butylbenzene	ND		ug/kg	6.3	1
o-Chlorotoluene	ND		ug/kg	6.3	1
p-Chlorotoluene	ND		ug/kg	6.3	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.3	1
Hexachlorobutadiene	ND		ug/kg	6.3	1
Isopropylbenzene	ND		ug/kg	1.3	1
p-Isopropyltoluene	ND		ug/kg	1.3	1
Naphthalene	ND		ug/kg	6.3	1
n-Propylbenzene	ND		ug/kg	1.3	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.3	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.3	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.3	1
Ethyl ether	ND		ug/kg	6.3	1

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-16

Date Collected: 07/26/07 16:20

Client ID: SW-117-093-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Isopropyl Ether	ND		ug/kg	5.1	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	5.1	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	5.1	1
1,4-Dioxane	ND		ug/kg	630	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	102		70-130

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-17

Date Collected: 07/26/07 16:22

Client ID: SW-117-098-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 60,8260B

Analytical Date: 08/04/07 20:24

Analyst: SE

Percent Solids: 74%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Methylene chloride	ND		ug/kg	13	1
1,1-Dichloroethane	ND		ug/kg	1.9	1
Chloroform	ND		ug/kg	1.9	1
Carbon tetrachloride	ND		ug/kg	1.3	1
1,2-Dichloropropane	ND		ug/kg	4.5	1
Dibromochloromethane	ND		ug/kg	1.3	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	1
Tetrachloroethene	6.6		ug/kg	1.3	1
Chlorobenzene	ND		ug/kg	1.3	1
Trichlorofluoromethane	ND		ug/kg	6.4	1
1,2-Dichloroethane	ND		ug/kg	1.3	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	1
Bromodichloromethane	ND		ug/kg	1.3	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	1
1,1-Dichloropropene	ND		ug/kg	6.4	1
Bromoform	ND		ug/kg	5.1	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	1
Benzene	ND		ug/kg	1.3	1
Toluene	ND		ug/kg	1.9	1
Ethylbenzene	ND		ug/kg	1.3	1
Chloromethane	ND		ug/kg	6.4	1
Bromomethane	ND		ug/kg	2.5	1
Vinyl chloride	ND		ug/kg	2.5	1
Chloroethane	ND		ug/kg	2.5	1
1,1-Dichloroethene	ND		ug/kg	1.3	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	1
Trichloroethene	87		ug/kg	1.3	1
1,2-Dichlorobenzene	ND		ug/kg	6.4	1
1,3-Dichlorobenzene	ND		ug/kg	6.4	1

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-17

Date Collected: 07/26/07 16:22

Client ID: SW-117-098-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
1,4-Dichlorobenzene	ND		ug/kg	6.4	1
Methyl tert butyl ether	ND		ug/kg	2.5	1
p/m-Xylene	ND		ug/kg	2.5	1
o-Xylene	ND		ug/kg	2.5	1
cis-1,2-Dichloroethene	12		ug/kg	1.3	1
Dibromomethane	ND		ug/kg	13	1
1,2,3-Trichloropropane	ND		ug/kg	13	1
Styrene	ND		ug/kg	2.5	1
Dichlorodifluoromethane	ND		ug/kg	13	1
Acetone	17		ug/kg	13	1
Carbon disulfide	ND		ug/kg	64	1
2-Butanone	ND		ug/kg	13	1
4-Methyl-2-pentanone	ND		ug/kg	13	1
2-Hexanone	ND		ug/kg	13	1
Bromochloromethane	ND		ug/kg	6.4	1
Tetrahydrofuran	ND		ug/kg	25	1
2,2-Dichloropropane	ND		ug/kg	6.4	1
1,2-Dibromoethane	ND		ug/kg	5.1	1
1,3-Dichloropropane	ND		ug/kg	6.4	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	1
Bromobenzene	ND		ug/kg	6.4	1
n-Butylbenzene	ND		ug/kg	1.3	1
sec-Butylbenzene	ND		ug/kg	1.3	1
tert-Butylbenzene	ND		ug/kg	6.4	1
o-Chlorotoluene	ND		ug/kg	6.4	1
p-Chlorotoluene	ND		ug/kg	6.4	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.4	1
Hexachlorobutadiene	ND		ug/kg	6.4	1
Isopropylbenzene	ND		ug/kg	1.3	1
p-Isopropyltoluene	ND		ug/kg	1.3	1
Naphthalene	ND		ug/kg	6.4	1
n-Propylbenzene	ND		ug/kg	1.3	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.4	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.4	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.4	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.4	1
Ethyl ether	ND		ug/kg	6.4	1

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-17

Date Collected: 07/26/07 16:22

Client ID: SW-117-098-20070726-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Isopropyl Ether	ND		ug/kg	5.1	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	5.1	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	5.1	1
1,4-Dioxane	ND		ug/kg	640	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	105		70-130

Project Name: NA SOIL EXCAVATION
Project Number: 0051545

Lab Number: L0710770
Report Date: 08/06/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 08/03/07 18:20
Analyst: SE

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B/5035-Low for sample(s): 01-03 Batch: WG289577-3				
Methylene chloride	ND		ug/kg	10
1,1-Dichloroethane	ND		ug/kg	1.5
Chloroform	ND		ug/kg	1.5
Carbon tetrachloride	ND		ug/kg	1.0
1,2-Dichloropropane	ND		ug/kg	3.5
Dibromochloromethane	ND		ug/kg	1.0
1,1,2-Trichloroethane	ND		ug/kg	1.5
Tetrachloroethene	ND		ug/kg	1.0
Chlorobenzene	ND		ug/kg	1.0
Trichlorofluoromethane	ND		ug/kg	5.0
1,2-Dichloroethane	ND		ug/kg	1.0
1,1,1-Trichloroethane	ND		ug/kg	1.0
Bromodichloromethane	ND		ug/kg	1.0
trans-1,3-Dichloropropene	ND		ug/kg	1.0
cis-1,3-Dichloropropene	ND		ug/kg	1.0
1,1-Dichloropropene	ND		ug/kg	5.0
Bromoform	ND		ug/kg	4.0
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0
Benzene	ND		ug/kg	1.0
Toluene	ND		ug/kg	1.5
Ethylbenzene	ND		ug/kg	1.0
Chloromethane	ND		ug/kg	5.0
Bromomethane	ND		ug/kg	2.0
Vinyl chloride	ND		ug/kg	2.0
Chloroethane	ND		ug/kg	2.0
1,1-Dichloroethene	ND		ug/kg	1.0
trans-1,2-Dichloroethene	ND		ug/kg	1.5
Trichloroethene	ND		ug/kg	1.0
1,2-Dichlorobenzene	ND		ug/kg	5.0
1,3-Dichlorobenzene	ND		ug/kg	5.0
1,4-Dichlorobenzene	ND		ug/kg	5.0



Project Name: NA SOIL EXCAVATION
Project Number: 0051545

Lab Number: L0710770
Report Date: 08/06/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 08/03/07 18:20
Analyst: SE

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B/5035-Low for sample(s): 01-03 Batch: WG289577-3				
Methyl tert butyl ether	ND		ug/kg	2.0
p/m-Xylene	ND		ug/kg	2.0
o-Xylene	ND		ug/kg	2.0
cis-1,2-Dichloroethene	ND		ug/kg	1.0
Dibromomethane	ND		ug/kg	10
1,2,3-Trichloropropane	ND		ug/kg	10
Styrene	ND		ug/kg	2.0
Dichlorodifluoromethane	ND		ug/kg	10
Acetone	ND		ug/kg	10
Carbon disulfide	ND		ug/kg	50
2-Butanone	ND		ug/kg	10
4-Methyl-2-pentanone	ND		ug/kg	10
2-Hexanone	ND		ug/kg	10
Bromochloromethane	ND		ug/kg	5.0
Tetrahydrofuran	ND		ug/kg	20
2,2-Dichloropropane	ND		ug/kg	5.0
1,2-Dibromoethane	ND		ug/kg	4.0
1,3-Dichloropropane	ND		ug/kg	5.0
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0
Bromobenzene	ND		ug/kg	5.0
n-Butylbenzene	ND		ug/kg	1.0
sec-Butylbenzene	ND		ug/kg	1.0
tert-Butylbenzene	ND		ug/kg	5.0
o-Chlorotoluene	ND		ug/kg	5.0
p-Chlorotoluene	ND		ug/kg	5.0
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0
Hexachlorobutadiene	ND		ug/kg	5.0
Isopropylbenzene	ND		ug/kg	1.0
p-Isopropyltoluene	ND		ug/kg	1.0
Naphthalene	ND		ug/kg	5.0
n-Propylbenzene	ND		ug/kg	1.0



Project Name: NA SOIL EXCAVATION
Project Number: 0051545

Lab Number: L0710770
Report Date: 08/06/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 08/03/07 18:20
Analyst: SE

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B/5035-Low for sample(s): 01-03 Batch: WG289577-3				
1,2,3-Trichlorobenzene	ND		ug/kg	5.0
1,2,4-Trichlorobenzene	ND		ug/kg	5.0
1,3,5-Trimethylbenzene	ND		ug/kg	5.0
1,2,4-Trimethylbenzene	ND		ug/kg	5.0
Ethyl ether	ND		ug/kg	5.0
Isopropyl Ether	ND		ug/kg	4.0
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0
1,4-Dioxane	ND		ug/kg	500

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	103		70-130

Project Name: NA SOIL EXCAVATION
Project Number: 0051545

Lab Number: L0710770
Report Date: 08/06/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 08/04/07 11:57
Analyst: SE

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B/5035-Low for sample(s): 04-17 Batch: WG289577-6				
Methylene chloride	ND		ug/kg	10
1,1-Dichloroethane	ND		ug/kg	1.5
Chloroform	ND		ug/kg	1.5
Carbon tetrachloride	ND		ug/kg	1.0
1,2-Dichloropropane	ND		ug/kg	3.5
Dibromochloromethane	ND		ug/kg	1.0
1,1,2-Trichloroethane	ND		ug/kg	1.5
Tetrachloroethene	ND		ug/kg	1.0
Chlorobenzene	ND		ug/kg	1.0
Trichlorofluoromethane	ND		ug/kg	5.0
1,2-Dichloroethane	ND		ug/kg	1.0
1,1,1-Trichloroethane	ND		ug/kg	1.0
Bromodichloromethane	ND		ug/kg	1.0
trans-1,3-Dichloropropene	ND		ug/kg	1.0
cis-1,3-Dichloropropene	ND		ug/kg	1.0
1,1-Dichloropropene	ND		ug/kg	5.0
Bromoform	ND		ug/kg	4.0
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0
Benzene	ND		ug/kg	1.0
Toluene	ND		ug/kg	1.5
Ethylbenzene	ND		ug/kg	1.0
Chloromethane	ND		ug/kg	5.0
Bromomethane	ND		ug/kg	2.0
Vinyl chloride	ND		ug/kg	2.0
Chloroethane	ND		ug/kg	2.0
1,1-Dichloroethene	ND		ug/kg	1.0
trans-1,2-Dichloroethene	ND		ug/kg	1.5
Trichloroethene	ND		ug/kg	1.0
1,2-Dichlorobenzene	ND		ug/kg	5.0
1,3-Dichlorobenzene	ND		ug/kg	5.0
1,4-Dichlorobenzene	ND		ug/kg	5.0

Project Name: NA SOIL EXCAVATION
Project Number: 0051545

Lab Number: L0710770
Report Date: 08/06/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 08/04/07 11:57
Analyst: SE

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B/5035-Low for sample(s): 04-17 Batch: WG289577-6				
Methyl tert butyl ether	ND		ug/kg	2.0
p/m-Xylene	ND		ug/kg	2.0
o-Xylene	ND		ug/kg	2.0
cis-1,2-Dichloroethene	ND		ug/kg	1.0
Dibromomethane	ND		ug/kg	10
1,2,3-Trichloropropane	ND		ug/kg	10
Styrene	ND		ug/kg	2.0
Dichlorodifluoromethane	ND		ug/kg	10
Acetone	ND		ug/kg	10
Carbon disulfide	ND		ug/kg	50
2-Butanone	ND		ug/kg	10
4-Methyl-2-pentanone	ND		ug/kg	10
2-Hexanone	ND		ug/kg	10
Bromochloromethane	ND		ug/kg	5.0
Tetrahydrofuran	ND		ug/kg	20
2,2-Dichloropropane	ND		ug/kg	5.0
1,2-Dibromoethane	ND		ug/kg	4.0
1,3-Dichloropropane	ND		ug/kg	5.0
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0
Bromobenzene	ND		ug/kg	5.0
n-Butylbenzene	ND		ug/kg	1.0
sec-Butylbenzene	ND		ug/kg	1.0
tert-Butylbenzene	ND		ug/kg	5.0
o-Chlorotoluene	ND		ug/kg	5.0
p-Chlorotoluene	ND		ug/kg	5.0
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0
Hexachlorobutadiene	ND		ug/kg	5.0
Isopropylbenzene	ND		ug/kg	1.0
p-Isopropyltoluene	ND		ug/kg	1.0
Naphthalene	ND		ug/kg	5.0
n-Propylbenzene	ND		ug/kg	1.0



Project Name: NA SOIL EXCAVATION
Project Number: 0051545

Lab Number: L0710770
Report Date: 08/06/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 08/04/07 11:57
Analyst: SE

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B/5035-Low for sample(s): 04-17 Batch: WG289577-6				
1,2,3-Trichlorobenzene	ND		ug/kg	5.0
1,2,4-Trichlorobenzene	ND		ug/kg	5.0
1,3,5-Trimethylbenzene	ND		ug/kg	5.0
1,2,4-Trimethylbenzene	ND		ug/kg	5.0
Ethyl ether	ND		ug/kg	5.0
Isopropyl Ether	ND		ug/kg	4.0
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0
1,4-Dioxane	ND		ug/kg	500

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: NA SOIL EXCAVATION

Project Number: 0051545

Lab Number: L0710770

Report Date: 08/06/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B/5035-Low Associated sample(s): 01-03 Batch: WG289577-1 WG289577-2					
Methylene chloride	96	88	70-130	9	25
1,1-Dichloroethane	100	99	70-130	1	25
Chloroform	96	96	70-130	0	25
Carbon tetrachloride	80	88	70-130	10	25
1,2-Dichloropropane	101	100	70-130	1	25
Dibromochloromethane	83	85	70-130	2	25
1,1,2-Trichloroethane	94	91	70-130	3	25
Tetrachloroethene	97	97	70-130	0	25
Chlorobenzene	92	93	70-130	1	25
Trichlorofluoromethane	97	96	70-130	1	25
1,2-Dichloroethane	97	95	70-130	2	25
1,1,1-Trichloroethane	95	97	70-130	2	25
Bromodichloromethane	92	95	70-130	3	25
trans-1,3-Dichloropropene	76	78	70-130	3	25
cis-1,3-Dichloropropene	87	86	70-130	1	25
1,1-Dichloropropene	98	98	70-130	0	25
Bromoform	85	86	70-130	1	50
1,1,2,2-Tetrachloroethane	92	93	70-130	1	25
Benzene	103	100	70-130	3	25
Toluene	94	93	70-130	1	25
Ethylbenzene	92	94	70-130	2	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: NA SOIL EXCAVATION

Project Number: 0051545

Lab Number: L0710770

Report Date: 08/06/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B/5035-Low Associated sample(s): 01-03 Batch: WG289577-1 WG289577-2					
Chloromethane	118	114	70-130	3	50
Bromomethane	90	101	70-130	12	50
Vinyl chloride	110	110	70-130	0	25
Chloroethane	122	113	70-130	8	25
1,1-Dichloroethene	108	108	70-130	0	25
trans-1,2-Dichloroethene	106	100	70-130	6	25
Trichloroethene	102	99	70-130	3	25
1,2-Dichlorobenzene	88	90	70-130	2	25
1,3-Dichlorobenzene	91	90	70-130	1	25
1,4-Dichlorobenzene	87	89	70-130	2	25
Methyl tert butyl ether	87	82	70-130	6	25
p/m-Xylene	94	96	70-130	2	25
o-Xylene	93	94	70-130	1	25
cis-1,2-Dichloroethene	110	104	70-130	6	25
Dibromomethane	102	101	70-130	1	25
1,2,3-Trichloropropane	100	102	70-130	2	25
Styrene	90	91	70-130	1	25
Dichlorodifluoromethane	112	112	70-130	0	50
Acetone	110	93	70-130	17	50
Carbon disulfide	94	89	70-130	5	25
2-Butanone	112	105	70-130	6	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: NA SOIL EXCAVATION

Project Number: 0051545

Lab Number: L0710770

Report Date: 08/06/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B/5035-Low Associated sample(s): 01-03 Batch: WG289577-1 WG289577-2					
4-Methyl-2-pentanone	131	121	70-130	8	50
2-Hexanone	110	106	70-130	4	50
Bromochloromethane	99	92	70-130	7	25
Tetrahydrofuran	100	96	70-130	4	25
2,2-Dichloropropane	57	66	70-130	15	50
1,2-Dibromoethane	100	95	70-130	5	25
1,3-Dichloropropane	96	93	70-130	3	25
1,1,1,2-Tetrachloroethane	90	90	70-130	0	25
Bromobenzene	91	92	70-130	1	25
n-Butylbenzene	71	74	70-130	4	25
sec-Butylbenzene	92	94	70-130	2	25
tert-Butylbenzene	91	94	70-130	3	25
o-Chlorotoluene	87	90	70-130	3	25
p-Chlorotoluene	89	91	70-130	2	25
1,2-Dibromo-3-chloropropane	87	90	70-130	3	50
Hexachlorobutadiene	84	86	70-130	2	25
Isopropylbenzene	98	102	70-130	4	25
p-Isopropyltoluene	96	98	70-130	2	25
Naphthalene	97	94	70-130	3	25
n-Propylbenzene	89	92	70-130	3	25
1,2,3-Trichlorobenzene	91	89	70-130	2	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: NA SOIL EXCAVATION
Project Number: 0051545

Lab Number: L0710770
Report Date: 08/06/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B/5035-Low Associated sample(s): 01-03 Batch: WG289577-1 WG289577-2					
1,2,4-Trichlorobenzene	90	90	70-130	0	25
1,3,5-Trimethylbenzene	89	91	70-130	2	25
1,2,4-Trimethylbenzene	91	92	70-130	1	25
Ethyl ether	88	87	70-130	1	25
Isopropyl Ether	92	89	70-130	3	25
Ethyl-Tert-Butyl-Ether	90	87	70-130	3	25
Tertiary-Amyl Methyl Ether	95	88	70-130	8	25
1,4-Dioxane	134	124	70-130	8	50

Surrogate	LCS %Recovery Qualifier	LCSD %Recovery Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96	95	70-130
Toluene-d8	95	96	70-130
4-Bromofluorobenzene	89	92	70-130
Dibromofluoromethane	102	99	70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: NA SOIL EXCAVATION

Project Number: 0051545

Lab Number: L0710770

Report Date: 08/06/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B/5035-Low Associated sample(s): 04-17 Batch: WG289577-4 WG289577-5					
Methylene chloride	89	96	70-130	8	25
1,1-Dichloroethane	105	109	70-130	4	25
Chloroform	103	108	70-130	5	25
Carbon tetrachloride	103	103	70-130	0	25
1,2-Dichloropropane	102	109	70-130	7	25
Dibromochloromethane	92	96	70-130	4	25
1,1,2-Trichloroethane	94	99	70-130	5	25
Tetrachloroethene	101	106	70-130	5	25
Chlorobenzene	95	100	70-130	5	25
Trichlorofluoromethane	113	116	70-130	3	25
1,2-Dichloroethane	105	110	70-130	5	25
1,1,1-Trichloroethane	106	111	70-130	5	25
Bromodichloromethane	105	109	70-130	4	25
trans-1,3-Dichloropropene	82	84	70-130	2	25
cis-1,3-Dichloropropene	93	96	70-130	3	25
1,1-Dichloropropene	106	111	70-130	5	25
Bromoform	94	97	70-130	3	50
1,1,2,2-Tetrachloroethane	96	96	70-130	0	25
Benzene	104	109	70-130	5	25
Toluene	93	102	70-130	9	25
Ethylbenzene	97	103	70-130	6	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: NA SOIL EXCAVATION

Project Number: 0051545

Lab Number: L0710770

Report Date: 08/06/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B/5035-Low Associated sample(s): 04-17 Batch: WG289577-4 WG289577-5					
Chloromethane	116	122	70-130	5	50
Bromomethane	102	114	70-130	11	50
Vinyl chloride	122	125	70-130	2	25
Chloroethane	127	128	70-130	1	25
1,1-Dichloroethene	113	117	70-130	3	25
trans-1,2-Dichloroethene	110	112	70-130	2	25
Trichloroethene	110	110	70-130	0	25
1,2-Dichlorobenzene	94	96	70-130	2	25
1,3-Dichlorobenzene	95	99	70-130	4	25
1,4-Dichlorobenzene	93	99	70-130	6	25
Methyl tert butyl ether	86	85	70-130	1	25
p/m-Xylene	98	104	70-130	6	25
o-Xylene	94	99	70-130	5	25
cis-1,2-Dichloroethene	109	113	70-130	4	25
Dibromomethane	106	111	70-130	5	25
1,2,3-Trichloropropane	103	111	70-130	7	25
Styrene	90	96	70-130	6	25
Dichlorodifluoromethane	125	129	70-130	3	50
Acetone	85	90	70-130	6	50
Carbon disulfide	92	94	70-130	2	25
2-Butanone	94	94	70-130	0	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: NA SOIL EXCAVATION

Project Number: 0051545

Lab Number: L0710770

Report Date: 08/06/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B/5035-Low Associated sample(s): 04-17 Batch: WG289577-4 WG289577-5					
4-Methyl-2-pentanone	113	119	70-130	5	50
2-Hexanone	95	98	70-130	3	50
Bromochloromethane	100	108	70-130	8	25
Tetrahydrofuran	92	92	70-130	0	25
2,2-Dichloropropane	67	59	70-130	13	50
1,2-Dibromoethane	100	100	70-130	0	25
1,3-Dichloropropane	93	102	70-130	9	25
1,1,1,2-Tetrachloroethane	96	102	70-130	6	25
Bromobenzene	97	100	70-130	3	25
n-Butylbenzene	78	80	70-130	3	25
sec-Butylbenzene	99	102	70-130	3	25
tert-Butylbenzene	99	102	70-130	3	25
o-Chlorotoluene	95	98	70-130	3	25
p-Chlorotoluene	97	99	70-130	2	25
1,2-Dibromo-3-chloropropane	89	94	70-130	5	50
Hexachlorobutadiene	91	96	70-130	5	25
Isopropylbenzene	106	109	70-130	3	25
p-Isopropyltoluene	103	107	70-130	4	25
Naphthalene	94	103	70-130	9	25
n-Propylbenzene	97	100	70-130	3	25
1,2,3-Trichlorobenzene	92	97	70-130	5	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: NA SOIL EXCAVATION

Project Number: 0051545

Lab Number: L0710770

Report Date: 08/06/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B/5035-Low Associated sample(s): 04-17 Batch: WG289577-4 WG289577-5					
1,2,4-Trichlorobenzene	94	99	70-130	5	25
1,3,5-Trimethylbenzene	96	98	70-130	2	25
1,2,4-Trimethylbenzene	97	101	70-130	4	25
Ethyl ether	90	95	70-130	5	25
Isopropyl Ether	92	96	70-130	4	25
Ethyl-Tert-Butyl-Ether	92	83	70-130	10	25
Tertiary-Amyl Methyl Ether	94	88	70-130	7	25
1,4-Dioxane	111	119	70-130	7	50

Surrogate	LCS %Recovery Qualifier	LCSD %Recovery Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97	100	70-130
Toluene-d8	91	95	70-130
4-Bromofluorobenzene	91	93	70-130
Dibromofluoromethane	101	105	70-130

INORGANICS & MISCELLANEOUS

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-01
Client ID: SW-117-003-20070726-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil

Date Collected: 07/26/07 15:50
Date Received: 07/27/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry									
Solids, Total	79		%	0.10	1	-	07/30/07 14:40	30,2540G	NM



Project Name: NA SOIL EXCAVATION
Project Number: 0051545

Lab Number: L0710770
Report Date: 08/06/07

SAMPLE RESULTS

Lab ID: L0710770-02
Client ID: SW-117-009-20070726-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil

Date Collected: 07/26/07 15:52
Date Received: 07/27/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry									
Solids, Total	82		%	0.10	1	-	07/30/07 14:40	30,2540G	NM



Project Name: NA SOIL EXCAVATION
Project Number: 0051545

Lab Number: L0710770
Report Date: 08/06/07

SAMPLE RESULTS

Lab ID: L0710770-03
Client ID: SW-117-018-20070726-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil

Date Collected: 07/26/07 15:54
Date Received: 07/27/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry									
Solids, Total	80		%	0.10	1	-	07/30/07 14:40	30,2540G	NM



Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-04
 Client ID: SW-117-021-20070726-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil

Date Collected: 07/26/07 15:56
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry									
Solids, Total	82		%	0.10	1	-	07/30/07 14:40	30,2540G	NM



Project Name: NA SOIL EXCAVATION
Project Number: 0051545

Lab Number: L0710770
Report Date: 08/06/07

SAMPLE RESULTS

Lab ID: L0710770-05
Client ID: SW-117-027-20070726-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil

Date Collected: 07/26/07 15:58
Date Received: 07/27/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry									
Solids, Total	86		%	0.10	1	-	07/30/07 14:40	30,2540G	NM



Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-06
Client ID: SW-117-033-20070726-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil

Date Collected: 07/26/07 16:00
Date Received: 07/27/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry									
Solids, Total	84		%	0.10	1	-	07/30/07 14:40	30,2540G	NM



Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-07
 Client ID: SW-117-039-20070726-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil

Date Collected: 07/26/07 16:02
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry									
Solids, Total	82		%	0.10	1	-	07/30/07 14:40	30,2540G	NM



Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-08
Client ID: SW-117-045-20070726-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil

Date Collected: 07/26/07 16:04
Date Received: 07/27/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry									
Solids, Total	77		%	0.10	1	-	07/30/07 14:40	30,2540G	NM



Project Name: NA SOIL EXCAVATION
Project Number: 0051545

Lab Number: L0710770
Report Date: 08/06/07

SAMPLE RESULTS

Lab ID: L0710770-09
Client ID: SW-117-051-20070726-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil

Date Collected: 07/26/07 16:06
Date Received: 07/27/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry									
Solids, Total	78		%	0.10	1	-	07/30/07 14:40	30,2540G	NM



Project Name: NA SOIL EXCAVATION

Lab Number: L0710770

Project Number: 0051545

Report Date: 08/06/07

SAMPLE RESULTS

Lab ID: L0710770-10
 Client ID: SW-117-057-20070726-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil

Date Collected: 07/26/07 16:08
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry									
Solids, Total	77		%	0.10	1	-	07/30/07 14:40	30,2540G	NM



Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-11
 Client ID: SW-117-063-20070726-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil

Date Collected: 07/26/07 16:10
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry									
Solids, Total	76		%	0.10	1	-	07/30/07 14:40	30,2540G	NM



Project Name: NA SOIL EXCAVATION

Lab Number: L0710770

Project Number: 0051545

Report Date: 08/06/07

SAMPLE RESULTS

Lab ID: L0710770-12
 Client ID: SW-117-069-20070726-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil

Date Collected: 07/26/07 16:12
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry									
Solids, Total	78		%	0.10	1	-	07/30/07 14:40	30,2540G	NM



Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-13
 Client ID: SW-117-075-20070726-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil

Date Collected: 07/26/07 16:14
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry									
Solids, Total	78		%	0.10	1	-	07/30/07 14:40	30,2540G	NM



Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-14
Client ID: SW-117-081-20070726-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil

Date Collected: 07/26/07 16:16
Date Received: 07/27/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry									
Solids, Total	78		%	0.10	1	-	07/30/07 14:40	30,2540G	NM



Project Name: NA SOIL EXCAVATION
Project Number: 0051545

Lab Number: L0710770
Report Date: 08/06/07

SAMPLE RESULTS

Lab ID: L0710770-15
Client ID: SW-117-087-20070726-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil

Date Collected: 07/26/07 16:18
Date Received: 07/27/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry									
Solids, Total	76		%	0.10	1	-	07/30/07 14:40	30,2540G	NM



Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**SAMPLE RESULTS**

Lab ID: L0710770-16
Client ID: SW-117-093-20070726-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil

Date Collected: 07/26/07 16:20
Date Received: 07/27/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry									
Solids, Total	76		%	0.10	1	-	07/30/07 14:40	30,2540G	NM



Project Name: NA SOIL EXCAVATION

Lab Number: L0710770

Project Number: 0051545

Report Date: 08/06/07

SAMPLE RESULTS

Lab ID: L0710770-17
 Client ID: SW-117-098-20070726-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil

Date Collected: 07/26/07 16:22
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry									
Solids, Total	74		%	0.10	1	-	07/30/07 14:40	30,2540G	NM



Lab Duplicate Analysis

Batch Quality Control

Project Name: NA SOIL EXCAVATION

Project Number: 0051545

Lab Number: L0710770

Report Date: 08/06/07

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Associated sample(s): 01-17 QC Batch ID: WG288797-1 QC Sample: L0710749-13 Client ID: DUP Sample					
Solids, Total	91	91	%	0	20

Project Name: NA SOIL EXCAVATION

Lab Number: L0710770

Project Number: 0051545

Report Date: 08/06/07

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
L0710770-01A	Vial water preserved	A	N/A	3C	Y	Absent	MCP-8260LW-04
L0710770-01B	Plastic 2oz unpreserved for TS	A	N/A	3C	Y	Absent	TS
L0710770-01X	Vial MeOH preserved split	A	N/A	3C	Y	Absent	MCP-8260LW-04
L0710770-02A	Vial water preserved	A	N/A	3C	Y	Absent	MCP-8260LW-04
L0710770-02B	Plastic 2oz unpreserved for TS	A	N/A	3C	Y	Absent	TS
L0710770-03A	Vial water preserved	A	N/A	3C	Y	Absent	MCP-8260LW-04
L0710770-03B	Plastic 2oz unpreserved for TS	A	N/A	3C	Y	Absent	TS
L0710770-03X	Vial water preserved	A	N/A	3C	Y	Absent	MCP-8260LW-04
L0710770-04A	Vial MeOH preserved split	A	N/A	3C	Y	Absent	MCP-8260LW-04
L0710770-04B	Plastic 2oz unpreserved for TS	A	N/A	3C	Y	Absent	TS
L0710770-04X	Vial water preserved	A	N/A	3C	Y	Absent	MCP-8260LW-04
L0710770-05A	Vial MeOH preserved split	A	N/A	3C	Y	Absent	MCP-8260LW-04
L0710770-05B	Plastic 2oz unpreserved for TS	A	N/A	3C	Y	Absent	TS
L0710770-05X	Vial water preserved	A	N/A	3C	Y	Absent	MCP-8260LW-04
L0710770-06A	Vial MeOH preserved split	A	N/A	3C	Y	Absent	MCP-8260LW-04
L0710770-06B	Plastic 2oz unpreserved for TS	A	N/A	3C	Y	Absent	TS
L0710770-06X	Vial water preserved	A	N/A	3C	Y	Absent	MCP-8260LW-04
L0710770-07A	Vial MeOH preserved split	A	N/A	3C	Y	Absent	MCP-8260LW-04
L0710770-07B	Plastic 2oz unpreserved for TS	A	N/A	3C	Y	Absent	TS
L0710770-07X	Vial water preserved	A	N/A	3C	Y	Absent	MCP-8260LW-04
L0710770-08A	Vial water preserved	A	N/A	3C	Y	Absent	MCP-8260LW-04
L0710770-08B	Plastic 2oz unpreserved for TS	A	N/A	3C	Y	Absent	TS
L0710770-08X	Vial water preserved	A	N/A	3C	Y	Absent	MCP-8260LW-04
L0710770-09A	Vial water preserved	A	N/A	3C	Y	Absent	MCP-8260LW-04
L0710770-09B	Plastic 2oz unpreserved for TS	A	N/A	3C	Y	Absent	TS
L0710770-09X	Vial water preserved	A	N/A	3C	Y	Absent	MCP-8260LW-04
L0710770-10A	Vial water preserved	A	N/A	3C	Y	Absent	MCP-8260LW-04
L0710770-10B	Plastic 2oz unpreserved for TS	A	N/A	3C	Y	Absent	TS
L0710770-10X	Vial water preserved	A	N/A	3C	Y	Absent	MCP-8260LW-04
L0710770-11A	Vial water preserved	A	N/A	3C	Y	Absent	MCP-8260LW-04

Project Name: NA SOIL EXCAVATION
Project Number: 0051545

Lab Number: L0710770
Report Date: 08/06/07

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0710770-11B	Plastic 2oz unpreserved for TS	A	N/A	3C	Y	Absent	TS
L0710770-11X	Vial water preserved	A	N/A	3C	Y	Absent	MCP-8260LW-04
L0710770-12A	Vial water preserved	A	N/A	3C	Y	Absent	MCP-8260LW-04
L0710770-12B	Plastic 2oz unpreserved for TS	A	N/A	3C	Y	Absent	TS
L0710770-12X	Vial water preserved	A	N/A	3C	Y	Absent	MCP-8260LW-04
L0710770-13A	Vial water preserved	A	N/A	3C	Y	Absent	MCP-8260LW-04
L0710770-13B	Plastic 2oz unpreserved for TS	A	N/A	3C	Y	Absent	TS
L0710770-13X	Vial water preserved	A	N/A	3C	Y	Absent	MCP-8260LW-04
L0710770-14A	Vial water preserved	A	N/A	3C	Y	Absent	MCP-8260LW-04
L0710770-14B	Plastic 2oz unpreserved for TS	A	N/A	3C	Y	Absent	TS
L0710770-14X	Vial water preserved	A	N/A	3C	Y	Absent	MCP-8260LW-04
L0710770-15A	Vial water preserved	A	N/A	3C	Y	Absent	MCP-8260LW-04
L0710770-15B	Plastic 2oz unpreserved for TS	A	N/A	3C	Y	Absent	TS
L0710770-15X	Vial water preserved	A	N/A	3C	Y	Absent	MCP-8260LW-04
L0710770-16A	Vial water preserved	A	N/A	3C	Y	Absent	MCP-8260LW-04
L0710770-16B	Plastic 2oz unpreserved for TS	A	N/A	3C	Y	Absent	TS
L0710770-16X	Vial water preserved	A	N/A	3C	Y	Absent	MCP-8260LW-04
L0710770-17A	Vial water preserved	A	N/A	3C	Y	Absent	MCP-8260LW-04
L0710770-17B	Plastic 2oz unpreserved for TS	A	N/A	3C	Y	Absent	TS
L0710770-17X	Vial water preserved	A	N/A	3C	Y	Absent	MCP-8260LW-04

Container Comments

L0710770-01A	Temp Probe
L0710770-01B	Temp Probe
L0710770-01X	Temp Probe
L0710770-02A	Temp Probe
L0710770-02B	Temp Probe
L0710770-03A	Temp Probe
L0710770-03B	Temp Probe
L0710770-03X	Temp Probe
L0710770-04A	Temp Probe
L0710770-04B	Temp Probe
L0710770-04X	Temp Probe

Project Name: NA SOIL EXCAVATION**Lab Number:** L0710770**Project Number:** 0051545**Report Date:** 08/06/07**Container Information**

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
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Container Comments

L0710770-05A Temp Probe

L0710770-05B Temp Probe

L0710770-05X Temp Probe

L0710770-06A Temp Probe

L0710770-06B Temp Probe

L0710770-06X Temp Probe

L0710770-07A Temp Probe

L0710770-07B Temp Probe

L0710770-07X Temp Probe

L0710770-08A Temp Probe

L0710770-08B Temp Probe

L0710770-08X Temp Probe

L0710770-09A Temp Probe

L0710770-09B Temp Probe

L0710770-09X Temp Probe

L0710770-10A Temp Probe

L0710770-10B Temp Probe

L0710770-10X Temp Probe

L0710770-11A Temp Probe

L0710770-11B Temp Probe

L0710770-11X Temp Probe

L0710770-12A Temp Probe

L0710770-12B Temp Probe

L0710770-12X Temp Probe

L0710770-13A Temp Probe

L0710770-13B Temp Probe

L0710770-13X Temp Probe

L0710770-14A Temp Probe

Project Name: NA SOIL EXCAVATION**Project Number:** 0051545**Lab Number:** L0710770**Report Date:** 08/06/07**Container Information**

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
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Container Comments

L0710770-14B	Temp Probe						
L0710770-14X	Temp Probe						
L0710770-15A	Temp Probe						
L0710770-15B	Temp Probe						
L0710770-15X	Temp Probe						
L0710770-16A	Temp Probe						
L0710770-16B	Temp Probe						
L0710770-16X	Temp Probe						
L0710770-17A	Temp Probe						
L0710770-17B	Temp Probe						
L0710770-17X	Temp Probe						

Project Name: NA SOIL EXCAVATION
Project Number: 0051545

Lab Number: L0710770
Report Date: 08/06/07

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.
- 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.)

Project Name: NA SOIL EXCAVATION
Project Number: 0051545

Lab Number: L0710770
Report Date: 08/06/07

REFERENCES

- 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.

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.



ALPHA

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

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

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 7/27

ALPHA Job #: L0710172

Client Information

Client: **ERM-Boston**

Address: **399 BOSTON ST 6TH FLOOR BOSTON, MA 02116**

Phone: **617 646 3800**

Fax: **617 267 6447**

Email: **Jason.Fleming@erm.com**

Project Name: **N/A Soil Excavation**

Project Location: **BAYVIEW WYLAND**

Project #: **0051545**

Project Manager: **JASON FLEMING**

ALPHA Quote #: **Turn-Around Time**

Other Project Specific Requirements/Comments/Detection Limits:

Report Information - Data Deliverables

FAX
 EMAIL
 BADEX
 Add'l Deliverables

Billing Information

Same as Client info
PO #:

Regulatory Requirements/Report Limits

State/Fed Program: **MCP** Criteria: **S2-GW-1**

MAMCP PRESUMPTIVE CERTAINTY - CT REASONABLE CONFIDENCE PROTOCOLS

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

ANALYSIS
VOCs 8260 (LOW)
TOTAL SOLIDS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	Container Type		Date/Time	Received By:	Date/Time	Sample Specific Comments
		Date	Time			Preservative	HOA Mat				
16770	SW-117-003-20070726-01	7/26	15:50	S	BM	X	V	16:08	W. Long	7/27/07 13:21	
	2SW-117-009-20070726-01		15:52			X	V				
	9SW-117-018-20070726-01		15:54			X	V				
	4SW-117-021-20070726-01		15:56			X	V				
	5SW-117-027-20070726-01		15:58			X	V				
	6SW-117-033-20070726-01		16:00			X	V				
	7SW-117-039-20070726-01		16:02			X	V				
	8SW-117-045-20070726-01		16:04			X	V				
	9SW-117-051-20070726-01		16:06			X	V				
	10SW-117-057-20070726-01		16:08			X	V				

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT
MAMCP or CT RCP?

Delivered By: *[Signature]*

Date/Time: 7/27/07 13:51

Received By: *[Signature]*

Date/Time: 7/27/07 13:21

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.

CHAIN OF CUSTODY

PAGE 2 OF 2

ALPHA
MOORE, HOBBS & ASSOCIATES

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

RAYNHAM, MA
TEL: 508-822-9300
FAX: 508-822-3286

Client Information

Client: EEM-Boston

Address: 399 Boylston St. 6th Floor
Boston, MA 02116

Phone: 617 646 7800

Fax: 617 267 6447

Email: jason.flattery@em.com

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

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: 8/3

Time:

Date Rec'd In Lab: 7/27

Report Information - Data Deliverables

FAX EMAIL

ADEX Add'l Deliverables

Regulatory Requirements/Report Limits

State / Fed Program

MCP 52-GW-1

MAMCP PRESUMPTIVE CERTAINTY - CT REASONABLE CONFIDENCE PROTOCOLS

Yes No Are MCP Analytical Methods Required?

Yes No Are CT RCP (Reasonable Confidence Protocols) Required?

ALPHA Job #: 20710720

Billing Information
Same as Client info PO #:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Time	Sample Matrix	Sampler's Initials	ANALYSIS	SAMPLE HANDLING	Sample Specific Comments
11	SW-117-063-20070726-01	7/26/07	16:10	S	BM	VOCs 8260 (low) TOTAL SOLIDS	<input type="checkbox"/> Done <input checked="" type="checkbox"/> Not needed <input type="checkbox"/> Lab to do <input type="checkbox"/> Lab to do	
12	SW-117-064-20070726-01		16:12					
13	SW-117-065-20070726-01		16:14					
14	SW-117-081-20070726-01		16:16					
15	SW-117-092-20070726-01		16:18					
16	SW-117-093-20070726-01		16:20					
17	SW-117-098-20070726-01		16:22					

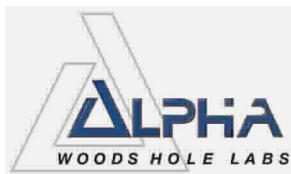
Container Type	Preservative	Date/Time	Received By:	Date/Time
V	P	7/27/07 13:31	<u>[Signature]</u>	7/27/07 13:31
H ₂ O	None	7/27/07 13:31	<u>[Signature]</u>	7/27/07 13:31

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT
MA MCP or CT RCP?

FORM NO: 01-01 (rev. 13-OCT-05)

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.



ANALYTICAL REPORT

Lab Number: L0711219

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: 08/10/07

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: L0711219
Report Date: 08/10/07

Alpha Sample ID	Client ID	Sample Location
L0711219-01	SW-117-102-20070802-01	RAYTHEON WAYLAND
L0711219-02	SW-117-109-20070802-01	RAYTHEON WAYLAND

Project Name: NA SOIL EXCAVATION

Lab Number: L0711219

Project Number: 0051545

Report Date: 08/10/07

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?	YES
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
Project Number: 0051545

Lab Number: L0711219
Report Date: 08/10/07

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

Volatile Organics

L0711219-01 and -02 were processed against a calibration curve that utilized a quadratic fit for 2,2-Dichloropropane.

L0711219-01: The result for Trichloroethene should be considered estimated because it exceeded the level of calibration. This compound is not present in the methanol-preserved sample (that was split and preserved in-house).

L0711219-02: The Trichloroethene result may have been introduced from a previously analyzed sample. Insufficient sample remained for re-analysis.

In reference to question E:

The WG290043-3 LCS % recovery for Dichlorodifluoromethane is below the individual acceptance criteria for the compound, but within the overall method allowances.

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: 08/10/07

ORGANICS

VOLATILES

Project Name: NA SOIL EXCAVATION**Lab Number:** L0711219**Project Number:** 0051545**Report Date:** 08/10/07**SAMPLE RESULTS**

Lab ID: L0711219-01

Date Collected: 08/02/07 14:00

Client ID: SW-117-102-20070802-01

Date Received: 08/03/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 60,8260B

Analytical Date: 08/09/07 13:05

Analyst: PD

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Methylene chloride	ND		ug/kg	7.9	1
1,1-Dichloroethane	ND		ug/kg	1.2	1
Chloroform	ND		ug/kg	1.2	1
Carbon tetrachloride	ND		ug/kg	0.79	1
1,2-Dichloropropane	ND		ug/kg	2.8	1
Dibromochloromethane	ND		ug/kg	0.79	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	1
Tetrachloroethene	24		ug/kg	0.79	1
Chlorobenzene	ND		ug/kg	0.79	1
Trichlorofluoromethane	ND		ug/kg	4.0	1
1,2-Dichloroethane	ND		ug/kg	0.79	1
1,1,1-Trichloroethane	ND		ug/kg	0.79	1
Bromodichloromethane	ND		ug/kg	0.79	1
trans-1,3-Dichloropropene	ND		ug/kg	0.79	1
cis-1,3-Dichloropropene	ND		ug/kg	0.79	1
1,1-Dichloropropene	ND		ug/kg	4.0	1
Bromoform	ND		ug/kg	3.2	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.79	1
Benzene	ND		ug/kg	0.79	1
Toluene	1.2		ug/kg	1.2	1
Ethylbenzene	ND		ug/kg	0.79	1
Chloromethane	ND		ug/kg	4.0	1
Bromomethane	ND		ug/kg	1.6	1
Vinyl chloride	ND		ug/kg	1.6	1
Chloroethane	ND		ug/kg	1.6	1
1,1-Dichloroethene	ND		ug/kg	0.79	1
trans-1,2-Dichloroethene	1.2		ug/kg	1.2	1
Trichloroethene	670	E	ug/kg	0.79	1
1,2-Dichlorobenzene	ND		ug/kg	4.0	1
1,3-Dichlorobenzene	ND		ug/kg	4.0	1

Project Name: NA SOIL EXCAVATION**Lab Number:** L0711219**Project Number:** 0051545**Report Date:** 08/10/07**SAMPLE RESULTS**

Lab ID: L0711219-01

Date Collected: 08/02/07 14:00

Client ID: SW-117-102-20070802-01

Date Received: 08/03/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
1,4-Dichlorobenzene	ND		ug/kg	4.0	1
Methyl tert butyl ether	ND		ug/kg	1.6	1
p/m-Xylene	ND		ug/kg	1.6	1
o-Xylene	ND		ug/kg	1.6	1
cis-1,2-Dichloroethene	5.9		ug/kg	0.79	1
Dibromomethane	ND		ug/kg	7.9	1
1,2,3-Trichloropropane	ND		ug/kg	7.9	1
Styrene	ND		ug/kg	1.6	1
Dichlorodifluoromethane	ND		ug/kg	7.9	1
Acetone	28		ug/kg	7.9	1
Carbon disulfide	ND		ug/kg	40	1
2-Butanone	ND		ug/kg	7.9	1
4-Methyl-2-pentanone	ND		ug/kg	7.9	1
2-Hexanone	ND		ug/kg	7.9	1
Bromochloromethane	ND		ug/kg	4.0	1
Tetrahydrofuran	ND		ug/kg	16	1
2,2-Dichloropropane	ND		ug/kg	4.0	1
1,2-Dibromoethane	ND		ug/kg	3.2	1
1,3-Dichloropropane	ND		ug/kg	4.0	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.79	1
Bromobenzene	ND		ug/kg	4.0	1
n-Butylbenzene	ND		ug/kg	0.79	1
sec-Butylbenzene	ND		ug/kg	0.79	1
tert-Butylbenzene	ND		ug/kg	4.0	1
o-Chlorotoluene	ND		ug/kg	4.0	1
p-Chlorotoluene	ND		ug/kg	4.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	1
Hexachlorobutadiene	ND		ug/kg	4.0	1
Isopropylbenzene	ND		ug/kg	0.79	1
p-Isopropyltoluene	ND		ug/kg	0.79	1
Naphthalene	ND		ug/kg	4.0	1
n-Propylbenzene	ND		ug/kg	0.79	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.0	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.0	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.0	1
Ethyl ether	ND		ug/kg	4.0	1

Project Name: NA SOIL EXCAVATION**Lab Number:** L0711219**Project Number:** 0051545**Report Date:** 08/10/07**SAMPLE RESULTS**

Lab ID: L0711219-01

Date Collected: 08/02/07 14:00

Client ID: SW-117-102-20070802-01

Date Received: 08/03/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Isopropyl Ether	ND		ug/kg	3.2	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.2	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.2	1
1,4-Dioxane	ND		ug/kg	400	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	93		70-130

Project Name: NA SOIL EXCAVATION**Lab Number:** L0711219**Project Number:** 0051545**Report Date:** 08/10/07**SAMPLE RESULTS**

Lab ID: L0711219-02

Date Collected: 08/02/07 13:55

Client ID: SW-117-109-20070802-01

Date Received: 08/03/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Matrix: Soil

Analytical Method: 60,8260B

Analytical Date: 08/09/07 13:40

Analyst: PD

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Methylene chloride	ND		ug/kg	8.1	1
1,1-Dichloroethane	ND		ug/kg	1.2	1
Chloroform	ND		ug/kg	1.2	1
Carbon tetrachloride	ND		ug/kg	0.81	1
1,2-Dichloropropane	ND		ug/kg	2.8	1
Dibromochloromethane	ND		ug/kg	0.81	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	1
Tetrachloroethene	ND		ug/kg	0.81	1
Chlorobenzene	ND		ug/kg	0.81	1
Trichlorofluoromethane	ND		ug/kg	4.0	1
1,2-Dichloroethane	ND		ug/kg	0.81	1
1,1,1-Trichloroethane	ND		ug/kg	0.81	1
Bromodichloromethane	ND		ug/kg	0.81	1
trans-1,3-Dichloropropene	ND		ug/kg	0.81	1
cis-1,3-Dichloropropene	ND		ug/kg	0.81	1
1,1-Dichloropropene	ND		ug/kg	4.0	1
Bromoform	ND		ug/kg	3.2	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.81	1
Benzene	ND		ug/kg	0.81	1
Toluene	ND		ug/kg	1.2	1
Ethylbenzene	ND		ug/kg	0.81	1
Chloromethane	ND		ug/kg	4.0	1
Bromomethane	ND		ug/kg	1.6	1
Vinyl chloride	ND		ug/kg	1.6	1
Chloroethane	ND		ug/kg	1.6	1
1,1-Dichloroethene	ND		ug/kg	0.81	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	1
Trichloroethene	20		ug/kg	0.81	1
1,2-Dichlorobenzene	ND		ug/kg	4.0	1
1,3-Dichlorobenzene	ND		ug/kg	4.0	1

Project Name: NA SOIL EXCAVATION

Lab Number: L0711219

Project Number: 0051545

Report Date: 08/10/07

SAMPLE RESULTS

Lab ID: L0711219-02

Date Collected: 08/02/07 13:55

Client ID: SW-117-109-20070802-01

Date Received: 08/03/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
1,4-Dichlorobenzene	ND		ug/kg	4.0	1
Methyl tert butyl ether	ND		ug/kg	1.6	1
p/m-Xylene	ND		ug/kg	1.6	1
o-Xylene	ND		ug/kg	1.6	1
cis-1,2-Dichloroethene	ND		ug/kg	0.81	1
Dibromomethane	ND		ug/kg	8.1	1
1,2,3-Trichloropropane	ND		ug/kg	8.1	1
Styrene	ND		ug/kg	1.6	1
Dichlorodifluoromethane	ND		ug/kg	8.1	1
Acetone	15		ug/kg	8.1	1
Carbon disulfide	ND		ug/kg	40	1
2-Butanone	ND		ug/kg	8.1	1
4-Methyl-2-pentanone	ND		ug/kg	8.1	1
2-Hexanone	ND		ug/kg	8.1	1
Bromochloromethane	ND		ug/kg	4.0	1
Tetrahydrofuran	ND		ug/kg	16	1
2,2-Dichloropropane	ND		ug/kg	4.0	1
1,2-Dibromoethane	ND		ug/kg	3.2	1
1,3-Dichloropropane	ND		ug/kg	4.0	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.81	1
Bromobenzene	ND		ug/kg	4.0	1
n-Butylbenzene	ND		ug/kg	0.81	1
sec-Butylbenzene	ND		ug/kg	0.81	1
tert-Butylbenzene	ND		ug/kg	4.0	1
o-Chlorotoluene	ND		ug/kg	4.0	1
p-Chlorotoluene	ND		ug/kg	4.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	1
Hexachlorobutadiene	ND		ug/kg	4.0	1
Isopropylbenzene	ND		ug/kg	0.81	1
p-Isopropyltoluene	ND		ug/kg	0.81	1
Naphthalene	ND		ug/kg	4.0	1
n-Propylbenzene	ND		ug/kg	0.81	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.0	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.0	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.0	1
Ethyl ether	ND		ug/kg	4.0	1

Project Name: NA SOIL EXCAVATION**Lab Number:** L0711219**Project Number:** 0051545**Report Date:** 08/10/07**SAMPLE RESULTS**

Lab ID: L0711219-02

Date Collected: 08/02/07 13:55

Client ID: SW-117-109-20070802-01

Date Received: 08/03/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Isopropyl Ether	ND		ug/kg	3.2	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.2	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.2	1
1,4-Dioxane	ND		ug/kg	400	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	90		70-130

Project Name: NA SOIL EXCAVATION
Project Number: 0051545

Lab Number: L0711219
Report Date: 08/10/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 08/09/07 11:54
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B/5035-Low for sample(s): 01-02 Batch: WG290043-6				
Methylene chloride	ND		ug/kg	10
1,1-Dichloroethane	ND		ug/kg	1.5
Chloroform	ND		ug/kg	1.5
Carbon tetrachloride	ND		ug/kg	1.0
1,2-Dichloropropane	ND		ug/kg	3.5
Dibromochloromethane	ND		ug/kg	1.0
1,1,2-Trichloroethane	ND		ug/kg	1.5
Tetrachloroethene	ND		ug/kg	1.0
Chlorobenzene	ND		ug/kg	1.0
Trichlorofluoromethane	ND		ug/kg	5.0
1,2-Dichloroethane	ND		ug/kg	1.0
1,1,1-Trichloroethane	ND		ug/kg	1.0
Bromodichloromethane	ND		ug/kg	1.0
trans-1,3-Dichloropropene	ND		ug/kg	1.0
cis-1,3-Dichloropropene	ND		ug/kg	1.0
1,1-Dichloropropene	ND		ug/kg	5.0
Bromoform	ND		ug/kg	4.0
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0
Benzene	ND		ug/kg	1.0
Toluene	ND		ug/kg	1.5
Ethylbenzene	ND		ug/kg	1.0
Chloromethane	ND		ug/kg	5.0
Bromomethane	ND		ug/kg	2.0
Vinyl chloride	ND		ug/kg	2.0
Chloroethane	ND		ug/kg	2.0
1,1-Dichloroethene	ND		ug/kg	1.0
trans-1,2-Dichloroethene	ND		ug/kg	1.5
Trichloroethene	ND		ug/kg	1.0
1,2-Dichlorobenzene	ND		ug/kg	5.0
1,3-Dichlorobenzene	ND		ug/kg	5.0
1,4-Dichlorobenzene	ND		ug/kg	5.0

Project Name: NA SOIL EXCAVATION
Project Number: 0051545

Lab Number: L0711219
Report Date: 08/10/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 08/09/07 11:54
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B/5035-Low for sample(s): 01-02 Batch: WG290043-6				
Methyl tert butyl ether	ND		ug/kg	2.0
p/m-Xylene	ND		ug/kg	2.0
o-Xylene	ND		ug/kg	2.0
cis-1,2-Dichloroethene	ND		ug/kg	1.0
Dibromomethane	ND		ug/kg	10
1,2,3-Trichloropropane	ND		ug/kg	10
Styrene	ND		ug/kg	2.0
Dichlorodifluoromethane	ND		ug/kg	10
Acetone	ND		ug/kg	10
Carbon disulfide	ND		ug/kg	50
2-Butanone	ND		ug/kg	10
4-Methyl-2-pentanone	ND		ug/kg	10
2-Hexanone	ND		ug/kg	10
Bromochloromethane	ND		ug/kg	5.0
Tetrahydrofuran	ND		ug/kg	20
2,2-Dichloropropane	ND		ug/kg	5.0
1,2-Dibromoethane	ND		ug/kg	4.0
1,3-Dichloropropane	ND		ug/kg	5.0
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0
Bromobenzene	ND		ug/kg	5.0
n-Butylbenzene	ND		ug/kg	1.0
sec-Butylbenzene	ND		ug/kg	1.0
tert-Butylbenzene	ND		ug/kg	5.0
o-Chlorotoluene	ND		ug/kg	5.0
p-Chlorotoluene	ND		ug/kg	5.0
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0
Hexachlorobutadiene	ND		ug/kg	5.0
Isopropylbenzene	ND		ug/kg	1.0
p-Isopropyltoluene	ND		ug/kg	1.0
Naphthalene	ND		ug/kg	5.0
n-Propylbenzene	ND		ug/kg	1.0

Project Name: NA SOIL EXCAVATION
Project Number: 0051545

Lab Number: L0711219
Report Date: 08/10/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 08/09/07 11:54
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B/5035-Low for sample(s): 01-02 Batch: WG290043-6				
1,2,3-Trichlorobenzene	ND		ug/kg	5.0
1,2,4-Trichlorobenzene	ND		ug/kg	5.0
1,3,5-Trimethylbenzene	ND		ug/kg	5.0
1,2,4-Trimethylbenzene	ND		ug/kg	5.0
Ethyl ether	ND		ug/kg	5.0
Isopropyl Ether	ND		ug/kg	4.0
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0
1,4-Dioxane	ND		ug/kg	500

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: NA SOIL EXCAVATION

Project Number: 0051545

Lab Number: L0711219

Report Date: 08/10/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B/5035-Low Associated sample(s): 01-02 Batch: WG290043-4 WG290043-5					
Methylene chloride	80	82	70-130	2	25
1,1-Dichloroethane	98	102	70-130	4	25
Chloroform	103	108	70-130	5	25
Carbon tetrachloride	100	107	70-130	7	25
1,2-Dichloropropane	98	100	70-130	2	25
Dibromochloromethane	104	104	70-130	0	25
1,1,2-Trichloroethane	108	109	70-130	1	25
Tetrachloroethene	106	111	70-130	5	25
Chlorobenzene	103	104	70-130	1	25
Trichlorofluoromethane	111	122	70-130	9	25
1,2-Dichloroethane	112	113	70-130	1	25
1,1,1-Trichloroethane	107	112	70-130	5	25
Bromodichloromethane	104	104	70-130	0	25
trans-1,3-Dichloropropene	91	96	70-130	5	25
cis-1,3-Dichloropropene	88	91	70-130	3	25
1,1-Dichloropropene	98	107	70-130	9	25
Bromoform	108	104	70-130	4	50
1,1,2,2-Tetrachloroethane	111	104	70-130	7	25
Benzene	96	98	70-130	2	25
Toluene	103	106	70-130	3	25
Ethylbenzene	108	111	70-130	3	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: NA SOIL EXCAVATION

Project Number: 0051545

Lab Number: L0711219

Report Date: 08/10/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B/5035-Low Associated sample(s): 01-02 Batch: WG290043-4 WG290043-5					
Chloromethane	90	94	70-130	4	50
Bromomethane	115	121	70-130	5	50
Vinyl chloride	96	105	70-130	9	25
Chloroethane	112	115	70-130	3	25
1,1-Dichloroethene	98	104	70-130	6	25
trans-1,2-Dichloroethene	97	104	70-130	7	25
Trichloroethene	100	104	70-130	4	25
1,2-Dichlorobenzene	108	108	70-130	0	25
1,3-Dichlorobenzene	107	112	70-130	5	25
1,4-Dichlorobenzene	105	107	70-130	2	25
Methyl tert butyl ether	116	95	70-130	20	25
p/m-Xylene	104	108	70-130	4	25
o-Xylene	112	111	70-130	1	25
cis-1,2-Dichloroethene	102	104	70-130	2	25
Dibromomethane	109	105	70-130	4	25
1,2,3-Trichloropropane	123	117	70-130	5	25
Styrene	112	108	70-130	4	25
Dichlorodifluoromethane	66	71	70-130	7	50
Acetone	105	99	70-130	6	50
Carbon disulfide	96	102	70-130	6	25
2-Butanone	106	92	70-130	14	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: NA SOIL EXCAVATION

Project Number: 0051545

Lab Number: L0711219

Report Date: 08/10/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B/5035-Low Associated sample(s): 01-02 Batch: WG290043-4 WG290043-5					
4-Methyl-2-pentanone	117	106	70-130	10	50
2-Hexanone	119	108	70-130	10	50
Bromochloromethane	98	97	70-130	1	25
Tetrahydrofuran	114	92	70-130	21	25
2,2-Dichloropropane	70	73	70-130	4	50
1,2-Dibromoethane	109	105	70-130	4	25
1,3-Dichloropropane	110	110	70-130	0	25
1,1,1,2-Tetrachloroethane	111	112	70-130	1	25
Bromobenzene	108	109	70-130	1	25
n-Butylbenzene	88	94	70-130	7	25
sec-Butylbenzene	109	118	70-130	8	25
tert-Butylbenzene	109	117	70-130	7	25
o-Chlorotoluene	108	115	70-130	6	25
p-Chlorotoluene	110	116	70-130	5	25
1,2-Dibromo-3-chloropropane	122	102	70-130	18	50
Hexachlorobutadiene	107	114	70-130	6	25
Isopropylbenzene	117	124	70-130	6	25
p-Isopropyltoluene	115	124	70-130	8	25
Naphthalene	109	104	70-130	5	25
n-Propylbenzene	108	115	70-130	6	25
1,2,3-Trichlorobenzene	111	106	70-130	5	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: NA SOIL EXCAVATION

Lab Number: L0711219

Project Number: 0051545

Report Date: 08/10/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B/5035-Low Associated sample(s): 01-02 Batch: WG290043-4 WG290043-5					
1,2,4-Trichlorobenzene	105	109	70-130	4	25
1,3,5-Trimethylbenzene	108	114	70-130	5	25
1,2,4-Trimethylbenzene	111	117	70-130	5	25
Ethyl ether	130	111	70-130	16	25
Isopropyl Ether	113	102	70-130	10	25
Ethyl-Tert-Butyl-Ether	120	99	70-130	19	25
Tertiary-Amyl Methyl Ether	123	101	70-130	20	25
1,4-Dioxane	107	102	70-130	5	50

Surrogate	LCS %Recovery Qualifier	LCSD %Recovery Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104	104	70-130
Toluene-d8	99	100	70-130
4-Bromofluorobenzene	101	106	70-130
Dibromofluoromethane	99	100	70-130

INORGANICS & MISCELLANEOUS

Project Name: NA SOIL EXCAVATION**Lab Number:** L0711219**Project Number:** 0051545**Report Date:** 08/10/07**SAMPLE RESULTS**

Lab ID: L0711219-01
Client ID: SW-117-102-20070802-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil

Date Collected: 08/02/07 14:00
Date Received: 08/03/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry									
Solids, Total	78		%	0.10	1	-	08/09/07 15:45	30,2540G	NM



Project Name: NA SOIL EXCAVATION**Lab Number:** L0711219**Project Number:** 0051545**Report Date:** 08/10/07**SAMPLE RESULTS**

Lab ID: L0711219-02
 Client ID: SW-117-109-20070802-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil

Date Collected: 08/02/07 13:55
 Date Received: 08/03/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry									
Solids, Total	78		%	0.10	1	-	08/09/07 15:45	30,2540G	NM



Lab Duplicate Analysis

Batch Quality Control

Project Name: NA SOIL EXCAVATION

Project Number: 0051545

Lab Number: L0711219

Report Date: 08/10/07

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Associated sample(s): 01-02 QC Batch ID: WG290109-1 QC Sample: L0711427-02 Client ID: DUP Sample					
Solids, Total	83	83	%	0	20

Project Name: NA SOIL EXCAVATION**Lab Number:** L0711219**Project Number:** 0051545**Report Date:** 08/10/07**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
L0711219-01A	Plastic 2oz unpreserved for TS	A	N/A	2.3C	Y	Absent	TS
L0711219-01B	Vial water preserved	A	N/A	2.3C	Y	Absent	MCP-8260LW-04
L0711219-01X	Vial MeOH preserved split	A	N/A	2.3C	Y	Absent	MCP-8260LW-04
L0711219-02A	Plastic 2oz unpreserved for TS	A	N/A	2.3C	Y	Absent	TS
L0711219-02B	Vial water preserved	A	N/A	2.3C	Y	Absent	MCP-8260LW-04
L0711219-02X	Vial MeOH preserved split	A	N/A	2.3C	Y	Absent	MCP-8260LW-04

Project Name: NA SOIL EXCAVATION
Project Number: 0051545

Lab Number: L0711219
Report Date: 08/10/07

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.
- 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.)

Project Name: NA SOIL EXCAVATION
Project Number: 0051545

Lab Number: L0711219
Report Date: 08/10/07

REFERENCES

- 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.

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.



ALPHA CHAIN OF CUSTODY

PAGE _____ OF _____

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 Baylston St. 6th Fl.
Boston, MA 02116
Phone: 617-646-7800
Fax: 617-267-6447
Email: jason.flattery@erm.com

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: 8/10 Time: _____
 These samples have been previously analyzed by Alpha
Other Project Specific Requirements/Comments/Detection Limits:

Date Rec'd in Lab: 8/3

ALPHA Job #: 60711219

Report Information - Data Deliverables
 FAX EMAIL
 ADEX Add'l Deliverables

Billing Information
 Same as Client info PO #: _____

Regulatory Requirements/Report Limits

State/Fed Program MCP Criteria 2-GW-1

MAMCP PRESUMPTIVE CERTAINTY ... CT REASONABLE CONFIDENCE PROTOCOLS

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

ANALYSIS
VOCs B26D (Low)
Total Solids

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

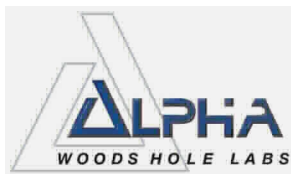
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	Container Type	Preservative	Date/Time	Received By:	Date/Time	Sample Specific Comments
		Date	Time								
11219.1	SW-117-102-20070802-01	8/2/07	14:00	S	BM	V	P	8/3/07 10:12	John De Dill's	8/3/07 10:00	2
	SW-117-109-20070802-01	8/2/07	13:55	S	BM	H ₂ O	None	8/3/07 18:30	John De Dill's	8/3/07 18:30	2

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT
MA MCP or CT RCP?

Relinquished By: _____ Date/Time: _____
Received By: _____ Date/Time: _____

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.



ANALYTICAL REPORT

Lab Number: L0710794
Client: ERM-New England
399 Boylston Street
6th Floor
Boston, MA 02116
ATTN: Jason Flattery
Project Name: NA SOIL 2007
Project Number: 0051545
Report Date: 08/09/07

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 2007
Project Number: 0051545

Lab Number: L0710794
Report Date: 08/09/07

Alpha Sample ID	Client ID	Sample Location
L0710794-01	SP-D-1-20070727-01	RAYTHEON WAYLAND
L0710794-02	SP-D-2-20070727-01	RAYTHEON WAYLAND
L0710794-03	SP-D-3-20070727-01	RAYTHEON WAYLAND
L0710794-04	SP-D-4-20070727-01	RAYTHEON WAYLAND
L0710794-05	SP-E-1-20070727-01	RAYTHEON WAYLAND
L0710794-06	SP-E-2-20070727-01	RAYTHEON WAYLAND
L0710794-07	SP-E-3-20070727-01	RAYTHEON WAYLAND
L0710794-08	SP-E-4-20070727-01	RAYTHEON WAYLAND
L0710794-09	DUP-001-20070727-01	RAYTHEON WAYLAND
L0710794-10	TB-001-20070727-01	RAYTHEON WAYLAND

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

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 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
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?	YES
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 2007
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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.

Report Submission

This report is a final report to replace preliminary report issued on August 08, 2007.

MCP Related Narratives:

Volatile Organics

L0710794-07 has an estimated value reported for Trichloroethene because the concentration of this analyte exceeded the level of calibration.

In reference to question E:

The WG289577-4/5 and the WG289581-1/2 LCS/LCSD % recoveries for 2,2-Dichloropropane, a difficult analyte, are below the individual acceptance criteria for this compound, but within the overall method allowances.

Non-MCP Related Narratives:

Report Submission

The data for the analysis of TCLP Herbicides will be issued on a separate report as soon as the data becomes available.

TCLP-Semi-Volatile Organics

The WG289349 MS/MSD RPD for Pyridine is above method acceptance criteria.

Pesticides

L0710794-02 was re-extracted due to one or more surrogates recovering outside method acceptance criteria on the original analysis. Re-extraction was performed within holding time and has acceptable surrogate recoveries, therefore, the re-extracted results are reported.

Project Name: NA SOIL 2007
Project Number: 0051545

Lab Number: L0710794
Report Date: 08/09/07

Case Narrative (continued)

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: 08/09/07

ORGANICS

VOLATILES

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-01
Client ID: SP-D-1-20070727-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Anaytical Method: 1,8260B
Analytical Date: 08/08/07 12:50
Analyst: SE
Percent Solids: 75%
TCLP Extraction Date: 07/30/07 16:22

Date Collected: 07/27/07 09:00
Date Received: 07/27/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Volatile Organics					
Chloroform	ND		ug/l	7.5	10
Carbon tetrachloride	ND		ug/l	5.0	10
Tetrachloroethene	ND		ug/l	5.0	10
Chlorobenzene	ND		ug/l	5.0	10
1,2-Dichloroethane	ND		ug/l	5.0	10
Benzene	ND		ug/l	5.0	10
Vinyl chloride	ND		ug/l	10	10
1,1-Dichloroethene	ND		ug/l	5.0	10
Trichloroethene	ND		ug/l	5.0	10
1,4-Dichlorobenzene	ND		ug/l	25	10
2-Butanone	ND		ug/l	50	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	101		70-130

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-01
 Client ID: SP-D-1-20070727-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil
 Analytical Method: 60,8260B
 Analytical Date: 08/04/07 20:59
 Analyst: SE
 Percent Solids: 75%

Date Collected: 07/27/07 09:00
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Methylene chloride	ND		ug/kg	13	1
1,1-Dichloroethane	ND		ug/kg	2.0	1
Chloroform	ND		ug/kg	2.0	1
Carbon tetrachloride	ND		ug/kg	1.3	1
1,2-Dichloropropane	ND		ug/kg	4.6	1
Dibromochloromethane	ND		ug/kg	1.3	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	1
Tetrachloroethene	23		ug/kg	1.3	1
Chlorobenzene	ND		ug/kg	1.3	1
Trichlorofluoromethane	ND		ug/kg	6.5	1
1,2-Dichloroethane	ND		ug/kg	1.3	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	1
Bromodichloromethane	ND		ug/kg	1.3	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	1
1,1-Dichloropropene	ND		ug/kg	6.5	1
Bromoform	ND		ug/kg	5.2	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	1
Benzene	ND		ug/kg	1.3	1
Toluene	2.3		ug/kg	2.0	1
Ethylbenzene	ND		ug/kg	1.3	1
Chloromethane	ND		ug/kg	6.5	1
Bromomethane	ND		ug/kg	2.6	1
Vinyl chloride	ND		ug/kg	2.6	1
Chloroethane	ND		ug/kg	2.6	1
1,1-Dichloroethene	ND		ug/kg	1.3	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	1
Trichloroethene	54		ug/kg	1.3	1
1,2-Dichlorobenzene	ND		ug/kg	6.5	1
1,3-Dichlorobenzene	ND		ug/kg	6.5	1

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-01

Date Collected: 07/27/07 09:00

Client ID: SP-D-1-20070727-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
1,4-Dichlorobenzene	ND		ug/kg	6.5	1
Methyl tert butyl ether	ND		ug/kg	2.6	1
p/m-Xylene	ND		ug/kg	2.6	1
o-Xylene	ND		ug/kg	2.6	1
cis-1,2-Dichloroethene	8.4		ug/kg	1.3	1
Dibromomethane	ND		ug/kg	13	1
1,2,3-Trichloropropane	ND		ug/kg	13	1
Styrene	ND		ug/kg	2.6	1
Dichlorodifluoromethane	ND		ug/kg	13	1
Acetone	160		ug/kg	13	1
Carbon disulfide	ND		ug/kg	65	1
2-Butanone	ND		ug/kg	13	1
4-Methyl-2-pentanone	ND		ug/kg	13	1
2-Hexanone	ND		ug/kg	13	1
Bromochloromethane	ND		ug/kg	6.5	1
Tetrahydrofuran	ND		ug/kg	26	1
2,2-Dichloropropane	ND		ug/kg	6.5	1
1,2-Dibromoethane	ND		ug/kg	5.2	1
1,3-Dichloropropane	ND		ug/kg	6.5	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	1
Bromobenzene	ND		ug/kg	6.5	1
n-Butylbenzene	ND		ug/kg	1.3	1
sec-Butylbenzene	ND		ug/kg	1.3	1
tert-Butylbenzene	ND		ug/kg	6.5	1
o-Chlorotoluene	ND		ug/kg	6.5	1
p-Chlorotoluene	ND		ug/kg	6.5	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.5	1
Hexachlorobutadiene	ND		ug/kg	6.5	1
Isopropylbenzene	ND		ug/kg	1.3	1
p-Isopropyltoluene	ND		ug/kg	1.3	1
Naphthalene	ND		ug/kg	6.5	1
n-Propylbenzene	ND		ug/kg	1.3	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.5	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.5	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.5	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.5	1
Ethyl ether	ND		ug/kg	6.5	1

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-01

Date Collected: 07/27/07 09:00

Client ID: SP-D-1-20070727-01

Date Received: 07/27/07

Sample Location: RAYTHEON WAYLAND

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Isopropyl Ether	ND		ug/kg	5.2	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	5.2	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	5.2	1
1,4-Dioxane	ND		ug/kg	650	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	104		70-130

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-02
Client ID: SP-D-2-20070727-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Analytical Method: 1,8260B
Analytical Date: 08/08/07 13:28
Analyst: SE
Percent Solids: 74%
TCLP Extraction Date: 07/30/07 16:22

Date Collected: 07/27/07 09:05
Date Received: 07/27/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Volatile Organics					
Chloroform	ND		ug/l	7.5	10
Carbon tetrachloride	ND		ug/l	5.0	10
Tetrachloroethene	ND		ug/l	5.0	10
Chlorobenzene	ND		ug/l	5.0	10
1,2-Dichloroethane	ND		ug/l	5.0	10
Benzene	ND		ug/l	5.0	10
Vinyl chloride	ND		ug/l	10	10
1,1-Dichloroethene	ND		ug/l	5.0	10
Trichloroethene	ND		ug/l	5.0	10
1,4-Dichlorobenzene	ND		ug/l	25	10
2-Butanone	ND		ug/l	50	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	98		70-130

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-02
 Client ID: SP-D-2-20070727-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil
 Analytical Method: 60,8260B
 Analytical Date: 08/05/07 16:21
 Analyst: SE
 Percent Solids: 74%

Date Collected: 07/27/07 09:05
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Methylene chloride	ND		ug/kg	10	1
1,1-Dichloroethane	ND		ug/kg	1.5	1
Chloroform	ND		ug/kg	1.5	1
Carbon tetrachloride	ND		ug/kg	1.0	1
1,2-Dichloropropane	ND		ug/kg	3.6	1
Dibromochloromethane	ND		ug/kg	1.0	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	1
Tetrachloroethene	9.0		ug/kg	1.0	1
Chlorobenzene	ND		ug/kg	1.0	1
Trichlorofluoromethane	ND		ug/kg	5.1	1
1,2-Dichloroethane	ND		ug/kg	1.0	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	1
Bromodichloromethane	ND		ug/kg	1.0	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	1
1,1-Dichloropropene	ND		ug/kg	5.1	1
Bromoform	ND		ug/kg	4.1	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	1
Benzene	ND		ug/kg	1.0	1
Toluene	ND		ug/kg	1.5	1
Ethylbenzene	ND		ug/kg	1.0	1
Chloromethane	ND		ug/kg	5.1	1
Bromomethane	ND		ug/kg	2.0	1
Vinyl chloride	ND		ug/kg	2.0	1
Chloroethane	ND		ug/kg	2.0	1
1,1-Dichloroethene	ND		ug/kg	1.0	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	1
Trichloroethene	24		ug/kg	1.0	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	1
1,3-Dichlorobenzene	ND		ug/kg	5.1	1

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-02
 Client ID: SP-D-2-20070727-01
 Sample Location: RAYTHEON WAYLAND

Date Collected: 07/27/07 09:05
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
1,4-Dichlorobenzene	ND		ug/kg	5.1	1
Methyl tert butyl ether	ND		ug/kg	2.0	1
p/m-Xylene	ND		ug/kg	2.0	1
o-Xylene	ND		ug/kg	2.0	1
cis-1,2-Dichloroethene	1.9		ug/kg	1.0	1
Dibromomethane	ND		ug/kg	10	1
1,2,3-Trichloropropane	ND		ug/kg	10	1
Styrene	ND		ug/kg	2.0	1
Dichlorodifluoromethane	ND		ug/kg	10	1
Acetone	17		ug/kg	10	1
Carbon disulfide	ND		ug/kg	51	1
2-Butanone	ND		ug/kg	10	1
4-Methyl-2-pentanone	ND		ug/kg	10	1
2-Hexanone	ND		ug/kg	10	1
Bromochloromethane	ND		ug/kg	5.1	1
Tetrahydrofuran	ND		ug/kg	20	1
2,2-Dichloropropane	ND		ug/kg	5.1	1
1,2-Dibromoethane	ND		ug/kg	4.1	1
1,3-Dichloropropane	ND		ug/kg	5.1	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	1
Bromobenzene	ND		ug/kg	5.1	1
n-Butylbenzene	ND		ug/kg	1.0	1
sec-Butylbenzene	ND		ug/kg	1.0	1
tert-Butylbenzene	ND		ug/kg	5.1	1
o-Chlorotoluene	ND		ug/kg	5.1	1
p-Chlorotoluene	ND		ug/kg	5.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	1
Hexachlorobutadiene	ND		ug/kg	5.1	1
Isopropylbenzene	ND		ug/kg	1.0	1
p-Isopropyltoluene	ND		ug/kg	1.0	1
Naphthalene	ND		ug/kg	5.1	1
n-Propylbenzene	ND		ug/kg	1.0	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	1
Ethyl ether	ND		ug/kg	5.1	1

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-02
 Client ID: SP-D-2-20070727-01
 Sample Location: RAYTHEON WAYLAND

Date Collected: 07/27/07 09:05
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Isopropyl Ether	ND		ug/kg	4.1	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.1	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.1	1
1,4-Dioxane	ND		ug/kg	510	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	100		70-130

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-03
Client ID: SP-D-3-20070727-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Anaytical Method: 1,8260B
Analytical Date: 08/08/07 14:06
Analyst: SE
Percent Solids: 75%
TCLP Extraction Date: 07/30/07 16:22

Date Collected: 07/27/07 09:10
Date Received: 07/27/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Volatile Organics					
Chloroform	ND		ug/l	7.5	10
Carbon tetrachloride	ND		ug/l	5.0	10
Tetrachloroethene	ND		ug/l	5.0	10
Chlorobenzene	ND		ug/l	5.0	10
1,2-Dichloroethane	ND		ug/l	5.0	10
Benzene	ND		ug/l	5.0	10
Vinyl chloride	ND		ug/l	10	10
1,1-Dichloroethene	ND		ug/l	5.0	10
Trichloroethene	ND		ug/l	5.0	10
1,4-Dichlorobenzene	ND		ug/l	25	10
2-Butanone	ND		ug/l	50	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	108		70-130

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-03
 Client ID: SP-D-3-20070727-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil
 Analytical Method: 60,8260B
 Analytical Date: 08/05/07 16:56
 Analyst: SE
 Percent Solids: 75%

Date Collected: 07/27/07 09:10
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Methylene chloride	ND		ug/kg	11	1
1,1-Dichloroethane	ND		ug/kg	1.7	1
Chloroform	ND		ug/kg	1.7	1
Carbon tetrachloride	ND		ug/kg	1.1	1
1,2-Dichloropropane	ND		ug/kg	3.9	1
Dibromochloromethane	ND		ug/kg	1.1	1
1,1,1-Trichloroethane	ND		ug/kg	1.7	1
Tetrachloroethene	ND		ug/kg	1.1	1
Chlorobenzene	ND		ug/kg	1.1	1
Trichlorofluoromethane	ND		ug/kg	5.6	1
1,2-Dichloroethane	ND		ug/kg	1.1	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	1
Bromodichloromethane	ND		ug/kg	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	1
1,1-Dichloropropene	ND		ug/kg	5.6	1
Bromoform	ND		ug/kg	4.4	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	1
Benzene	ND		ug/kg	1.1	1
Toluene	ND		ug/kg	1.7	1
Ethylbenzene	ND		ug/kg	1.1	1
Chloromethane	ND		ug/kg	5.6	1
Bromomethane	ND		ug/kg	2.2	1
Vinyl chloride	ND		ug/kg	2.2	1
Chloroethane	ND		ug/kg	2.2	1
1,1-Dichloroethene	ND		ug/kg	1.1	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	1
Trichloroethene	ND		ug/kg	1.1	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	1
1,3-Dichlorobenzene	ND		ug/kg	5.6	1

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-03
 Client ID: SP-D-3-20070727-01
 Sample Location: RAYTHEON WAYLAND

Date Collected: 07/27/07 09:10
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
1,4-Dichlorobenzene	ND		ug/kg	5.6	1
Methyl tert butyl ether	ND		ug/kg	2.2	1
p/m-Xylene	ND		ug/kg	2.2	1
o-Xylene	ND		ug/kg	2.2	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	1
Dibromomethane	ND		ug/kg	11	1
1,2,3-Trichloropropane	ND		ug/kg	11	1
Styrene	ND		ug/kg	2.2	1
Dichlorodifluoromethane	ND		ug/kg	11	1
Acetone	14		ug/kg	11	1
Carbon disulfide	ND		ug/kg	56	1
2-Butanone	ND		ug/kg	11	1
4-Methyl-2-pentanone	ND		ug/kg	11	1
2-Hexanone	ND		ug/kg	11	1
Bromochloromethane	ND		ug/kg	5.6	1
Tetrahydrofuran	ND		ug/kg	22	1
2,2-Dichloropropane	ND		ug/kg	5.6	1
1,2-Dibromoethane	ND		ug/kg	4.4	1
1,3-Dichloropropane	ND		ug/kg	5.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	1
Bromobenzene	ND		ug/kg	5.6	1
n-Butylbenzene	ND		ug/kg	1.1	1
sec-Butylbenzene	ND		ug/kg	1.1	1
tert-Butylbenzene	ND		ug/kg	5.6	1
o-Chlorotoluene	ND		ug/kg	5.6	1
p-Chlorotoluene	ND		ug/kg	5.6	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.6	1
Hexachlorobutadiene	ND		ug/kg	5.6	1
Isopropylbenzene	ND		ug/kg	1.1	1
p-Isopropyltoluene	ND		ug/kg	1.1	1
Naphthalene	ND		ug/kg	5.6	1
n-Propylbenzene	ND		ug/kg	1.1	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.6	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.6	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.6	1
Ethyl ether	ND		ug/kg	5.6	1

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-03
 Client ID: SP-D-3-20070727-01
 Sample Location: RAYTHEON WAYLAND

Date Collected: 07/27/07 09:10
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Isopropyl Ether	ND		ug/kg	4.4	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.4	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.4	1
1,4-Dioxane	ND		ug/kg	560	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	105		70-130

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-04
Client ID: SP-D-4-20070727-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Anaytical Method: 1,8260B
Analytical Date: 08/08/07 14:44
Analyst: SE
Percent Solids: 77%
TCLP Extraction Date: 07/30/07 16:22

Date Collected: 07/27/07 09:15
Date Received: 07/27/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Volatile Organics					
Chloroform	ND		ug/l	7.5	10
Carbon tetrachloride	ND		ug/l	5.0	10
Tetrachloroethene	ND		ug/l	5.0	10
Chlorobenzene	ND		ug/l	5.0	10
1,2-Dichloroethane	ND		ug/l	5.0	10
Benzene	ND		ug/l	5.0	10
Vinyl chloride	ND		ug/l	10	10
1,1-Dichloroethene	ND		ug/l	5.0	10
Trichloroethene	ND		ug/l	5.0	10
1,4-Dichlorobenzene	ND		ug/l	25	10
2-Butanone	ND		ug/l	50	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	103		70-130

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-04
 Client ID: SP-D-4-20070727-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil
 Analytical Method: 60,8260B
 Analytical Date: 08/05/07 17:31
 Analyst: SE
 Percent Solids: 77%

Date Collected: 07/27/07 09:15
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Methylene chloride	ND		ug/kg	13	1
1,1-Dichloroethane	ND		ug/kg	1.9	1
Chloroform	ND		ug/kg	1.9	1
Carbon tetrachloride	ND		ug/kg	1.3	1
1,2-Dichloropropane	ND		ug/kg	4.5	1
Dibromochloromethane	ND		ug/kg	1.3	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	1
Tetrachloroethene	1.5		ug/kg	1.3	1
Chlorobenzene	ND		ug/kg	1.3	1
Trichlorofluoromethane	ND		ug/kg	6.5	1
1,2-Dichloroethane	ND		ug/kg	1.3	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	1
Bromodichloromethane	ND		ug/kg	1.3	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	1
1,1-Dichloropropene	ND		ug/kg	6.5	1
Bromoform	ND		ug/kg	5.2	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	1
Benzene	ND		ug/kg	1.3	1
Toluene	ND		ug/kg	1.9	1
Ethylbenzene	ND		ug/kg	1.3	1
Chloromethane	ND		ug/kg	6.5	1
Bromomethane	ND		ug/kg	2.6	1
Vinyl chloride	ND		ug/kg	2.6	1
Chloroethane	ND		ug/kg	2.6	1
1,1-Dichloroethene	ND		ug/kg	1.3	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	1
Trichloroethene	11		ug/kg	1.3	1
1,2-Dichlorobenzene	ND		ug/kg	6.5	1
1,3-Dichlorobenzene	ND		ug/kg	6.5	1

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-04
 Client ID: SP-D-4-20070727-01
 Sample Location: RAYTHEON WAYLAND

Date Collected: 07/27/07 09:15
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
1,4-Dichlorobenzene	ND		ug/kg	6.5	1
Methyl tert butyl ether	ND		ug/kg	2.6	1
p/m-Xylene	ND		ug/kg	2.6	1
o-Xylene	ND		ug/kg	2.6	1
cis-1,2-Dichloroethene	1.6		ug/kg	1.3	1
Dibromomethane	ND		ug/kg	13	1
1,2,3-Trichloropropane	ND		ug/kg	13	1
Styrene	ND		ug/kg	2.6	1
Dichlorodifluoromethane	ND		ug/kg	13	1
Acetone	31		ug/kg	13	1
Carbon disulfide	ND		ug/kg	65	1
2-Butanone	ND		ug/kg	13	1
4-Methyl-2-pentanone	ND		ug/kg	13	1
2-Hexanone	ND		ug/kg	13	1
Bromochloromethane	ND		ug/kg	6.5	1
Tetrahydrofuran	ND		ug/kg	26	1
2,2-Dichloropropane	ND		ug/kg	6.5	1
1,2-Dibromoethane	ND		ug/kg	5.2	1
1,3-Dichloropropane	ND		ug/kg	6.5	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	1
Bromobenzene	ND		ug/kg	6.5	1
n-Butylbenzene	ND		ug/kg	1.3	1
sec-Butylbenzene	ND		ug/kg	1.3	1
tert-Butylbenzene	ND		ug/kg	6.5	1
o-Chlorotoluene	ND		ug/kg	6.5	1
p-Chlorotoluene	ND		ug/kg	6.5	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.5	1
Hexachlorobutadiene	ND		ug/kg	6.5	1
Isopropylbenzene	ND		ug/kg	1.3	1
p-Isopropyltoluene	ND		ug/kg	1.3	1
Naphthalene	ND		ug/kg	6.5	1
n-Propylbenzene	ND		ug/kg	1.3	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.5	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.5	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.5	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.5	1
Ethyl ether	ND		ug/kg	6.5	1

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-04
 Client ID: SP-D-4-20070727-01
 Sample Location: RAYTHEON WAYLAND

Date Collected: 07/27/07 09:15
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Isopropyl Ether	ND		ug/kg	5.2	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	5.2	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	5.2	1
1,4-Dioxane	ND		ug/kg	650	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	106		70-130

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-05
Client ID: SP-E-1-20070727-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Analytical Method: 1,8260B
Analytical Date: 08/08/07 15:22
Analyst: SE
Percent Solids: 78%
TCLP Extraction Date: 07/30/07 16:22

Date Collected: 07/27/07 09:30
Date Received: 07/27/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Volatile Organics					
Chloroform	ND		ug/l	7.5	10
Carbon tetrachloride	ND		ug/l	5.0	10
Tetrachloroethene	ND		ug/l	5.0	10
Chlorobenzene	ND		ug/l	5.0	10
1,2-Dichloroethane	ND		ug/l	5.0	10
Benzene	ND		ug/l	5.0	10
Vinyl chloride	ND		ug/l	10	10
1,1-Dichloroethene	ND		ug/l	5.0	10
Trichloroethene	ND		ug/l	5.0	10
1,4-Dichlorobenzene	ND		ug/l	25	10
2-Butanone	ND		ug/l	50	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	117		70-130
Dibromofluoromethane	105		70-130

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-05
Client ID: SP-E-1-20070727-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Anaytical Method: 60,8260B
Analytical Date: 08/05/07 18:06
Analyst: SE
Percent Solids: 78%

Date Collected: 07/27/07 09:30
Date Received: 07/27/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Methylene chloride	ND		ug/kg	14	1
1,1-Dichloroethane	ND		ug/kg	2.0	1
Chloroform	ND		ug/kg	2.0	1
Carbon tetrachloride	ND		ug/kg	1.4	1
1,2-Dichloropropane	ND		ug/kg	4.8	1
Dibromochloromethane	ND		ug/kg	1.4	1
1,1,1-Trichloroethane	ND		ug/kg	2.0	1
Tetrachloroethene	33		ug/kg	1.4	1
Chlorobenzene	ND		ug/kg	1.4	1
Trichlorofluoromethane	ND		ug/kg	6.8	1
1,2-Dichloroethane	ND		ug/kg	1.4	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	1
Bromodichloromethane	ND		ug/kg	1.4	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	1
1,1-Dichloropropene	ND		ug/kg	6.8	1
Bromoform	ND		ug/kg	5.4	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	1
Benzene	ND		ug/kg	1.4	1
Toluene	ND		ug/kg	2.0	1
Ethylbenzene	ND		ug/kg	1.4	1
Chloromethane	ND		ug/kg	6.8	1
Bromomethane	ND		ug/kg	2.7	1
Vinyl chloride	ND		ug/kg	2.7	1
Chloroethane	ND		ug/kg	2.7	1
1,1-Dichloroethene	ND		ug/kg	1.4	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	1
Trichloroethene	28		ug/kg	1.4	1
1,2-Dichlorobenzene	ND		ug/kg	6.8	1
1,3-Dichlorobenzene	ND		ug/kg	6.8	1

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-05
 Client ID: SP-E-1-20070727-01
 Sample Location: RAYTHEON WAYLAND

Date Collected: 07/27/07 09:30
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
1,4-Dichlorobenzene	ND		ug/kg	6.8	1
Methyl tert butyl ether	ND		ug/kg	2.7	1
p/m-Xylene	ND		ug/kg	2.7	1
o-Xylene	ND		ug/kg	2.7	1
cis-1,2-Dichloroethene	2.8		ug/kg	1.4	1
Dibromomethane	ND		ug/kg	14	1
1,2,3-Trichloropropane	ND		ug/kg	14	1
Styrene	ND		ug/kg	2.7	1
Dichlorodifluoromethane	ND		ug/kg	14	1
Acetone	14		ug/kg	14	1
Carbon disulfide	ND		ug/kg	68	1
2-Butanone	ND		ug/kg	14	1
4-Methyl-2-pentanone	ND		ug/kg	14	1
2-Hexanone	ND		ug/kg	14	1
Bromochloromethane	ND		ug/kg	6.8	1
Tetrahydrofuran	ND		ug/kg	27	1
2,2-Dichloropropane	ND		ug/kg	6.8	1
1,2-Dibromoethane	ND		ug/kg	5.4	1
1,3-Dichloropropane	ND		ug/kg	6.8	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	1
Bromobenzene	ND		ug/kg	6.8	1
n-Butylbenzene	ND		ug/kg	1.4	1
sec-Butylbenzene	ND		ug/kg	1.4	1
tert-Butylbenzene	ND		ug/kg	6.8	1
o-Chlorotoluene	ND		ug/kg	6.8	1
p-Chlorotoluene	ND		ug/kg	6.8	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.8	1
Hexachlorobutadiene	ND		ug/kg	6.8	1
Isopropylbenzene	ND		ug/kg	1.4	1
p-Isopropyltoluene	ND		ug/kg	1.4	1
Naphthalene	ND		ug/kg	6.8	1
n-Propylbenzene	ND		ug/kg	1.4	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.8	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.8	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.8	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.8	1
Ethyl ether	ND		ug/kg	6.8	1

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-05
 Client ID: SP-E-1-20070727-01
 Sample Location: RAYTHEON WAYLAND

Date Collected: 07/27/07 09:30
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Isopropyl Ether	ND		ug/kg	5.4	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	5.4	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	5.4	1
1,4-Dioxane	ND		ug/kg	680	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	102		70-130

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-06
Client ID: SP-E-2-20070727-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Anaytical Method: 1,8260B
Analytical Date: 08/08/07 16:40
Analyst: SE
Percent Solids: 75%
TCLP Extraction Date: 07/31/07 15:38

Date Collected: 07/27/07 09:35
Date Received: 07/27/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Volatile Organics					
Chloroform	ND		ug/l	7.5	10
Carbon tetrachloride	ND		ug/l	5.0	10
Tetrachloroethene	ND		ug/l	5.0	10
Chlorobenzene	ND		ug/l	5.0	10
1,2-Dichloroethane	ND		ug/l	5.0	10
Benzene	ND		ug/l	5.0	10
Vinyl chloride	ND		ug/l	10	10
1,1-Dichloroethene	ND		ug/l	5.0	10
Trichloroethene	ND		ug/l	5.0	10
1,4-Dichlorobenzene	ND		ug/l	25	10
2-Butanone	ND		ug/l	50	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	107		70-130

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-06
Client ID: SP-E-2-20070727-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Anaytical Method: 60,8260B
Analytical Date: 08/05/07 18:41
Analyst: SE
Percent Solids: 75%

Date Collected: 07/27/07 09:35
Date Received: 07/27/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Methylene chloride	ND		ug/kg	13	1
1,1-Dichloroethane	ND		ug/kg	2.0	1
Chloroform	ND		ug/kg	2.0	1
Carbon tetrachloride	ND		ug/kg	1.3	1
1,2-Dichloropropane	ND		ug/kg	4.6	1
Dibromochloromethane	ND		ug/kg	1.3	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	1
Tetrachloroethene	17		ug/kg	1.3	1
Chlorobenzene	ND		ug/kg	1.3	1
Trichlorofluoromethane	ND		ug/kg	6.5	1
1,2-Dichloroethane	ND		ug/kg	1.3	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	1
Bromodichloromethane	ND		ug/kg	1.3	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	1
1,1-Dichloropropene	ND		ug/kg	6.5	1
Bromoform	ND		ug/kg	5.2	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	1
Benzene	ND		ug/kg	1.3	1
Toluene	ND		ug/kg	2.0	1
Ethylbenzene	ND		ug/kg	1.3	1
Chloromethane	ND		ug/kg	6.5	1
Bromomethane	ND		ug/kg	2.6	1
Vinyl chloride	ND		ug/kg	2.6	1
Chloroethane	ND		ug/kg	2.6	1
1,1-Dichloroethene	ND		ug/kg	1.3	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	1
Trichloroethene	26		ug/kg	1.3	1
1,2-Dichlorobenzene	ND		ug/kg	6.5	1
1,3-Dichlorobenzene	ND		ug/kg	6.5	1

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-06
 Client ID: SP-E-2-20070727-01
 Sample Location: RAYTHEON WAYLAND

Date Collected: 07/27/07 09:35
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
1,4-Dichlorobenzene	ND		ug/kg	6.5	1
Methyl tert butyl ether	ND		ug/kg	2.6	1
p/m-Xylene	ND		ug/kg	2.6	1
o-Xylene	ND		ug/kg	2.6	1
cis-1,2-Dichloroethene	14		ug/kg	1.3	1
Dibromomethane	ND		ug/kg	13	1
1,2,3-Trichloropropane	ND		ug/kg	13	1
Styrene	ND		ug/kg	2.6	1
Dichlorodifluoromethane	ND		ug/kg	13	1
Acetone	27		ug/kg	13	1
Carbon disulfide	ND		ug/kg	65	1
2-Butanone	ND		ug/kg	13	1
4-Methyl-2-pentanone	ND		ug/kg	13	1
2-Hexanone	ND		ug/kg	13	1
Bromochloromethane	ND		ug/kg	6.5	1
Tetrahydrofuran	ND		ug/kg	26	1
2,2-Dichloropropane	ND		ug/kg	6.5	1
1,2-Dibromoethane	ND		ug/kg	5.2	1
1,3-Dichloropropane	ND		ug/kg	6.5	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	1
Bromobenzene	ND		ug/kg	6.5	1
n-Butylbenzene	ND		ug/kg	1.3	1
sec-Butylbenzene	ND		ug/kg	1.3	1
tert-Butylbenzene	ND		ug/kg	6.5	1
o-Chlorotoluene	ND		ug/kg	6.5	1
p-Chlorotoluene	ND		ug/kg	6.5	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.5	1
Hexachlorobutadiene	ND		ug/kg	6.5	1
Isopropylbenzene	ND		ug/kg	1.3	1
p-Isopropyltoluene	ND		ug/kg	1.3	1
Naphthalene	ND		ug/kg	6.5	1
n-Propylbenzene	ND		ug/kg	1.3	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.5	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.5	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.5	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.5	1
Ethyl ether	ND		ug/kg	6.5	1

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-06
 Client ID: SP-E-2-20070727-01
 Sample Location: RAYTHEON WAYLAND

Date Collected: 07/27/07 09:35
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Isopropyl Ether	ND		ug/kg	5.2	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	5.2	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	5.2	1
1,4-Dioxane	ND		ug/kg	650	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	106		70-130

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-07
Client ID: SP-E-3-20070727-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Analytical Method: 1,8260B
Analytical Date: 08/08/07 17:18
Analyst: SE
Percent Solids: 76%

Date Collected: 07/27/07 09:40
Date Received: 07/27/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Volatile Organics					
Chloroform	ND		ug/l	7.5	10
Carbon tetrachloride	ND		ug/l	5.0	10
Tetrachloroethene	ND		ug/l	5.0	10
Chlorobenzene	ND		ug/l	5.0	10
1,2-Dichloroethane	ND		ug/l	5.0	10
Benzene	ND		ug/l	5.0	10
Vinyl chloride	ND		ug/l	10	10
1,1-Dichloroethene	ND		ug/l	5.0	10
Trichloroethene	ND		ug/l	5.0	10
1,4-Dichlorobenzene	ND		ug/l	25	10
2-Butanone	ND		ug/l	50	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	119		70-130
Dibromofluoromethane	110		70-130

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-07
Client ID: SP-E-3-20070727-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Anaytical Method: 60,8260B
Analytical Date: 08/05/07 19:16
Analyst: SE
Percent Solids: 76%

Date Collected: 07/27/07 09:40
Date Received: 07/27/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Methylene chloride	ND		ug/kg	12	1
1,1-Dichloroethane	ND		ug/kg	1.8	1
Chloroform	ND		ug/kg	1.8	1
Carbon tetrachloride	ND		ug/kg	1.2	1
1,2-Dichloropropane	ND		ug/kg	4.2	1
Dibromochloromethane	ND		ug/kg	1.2	1
1,1,1-Trichloroethane	ND		ug/kg	1.8	1
Tetrachloroethene	92		ug/kg	1.2	1
Chlorobenzene	ND		ug/kg	1.2	1
Trichlorofluoromethane	ND		ug/kg	6.0	1
1,2-Dichloroethane	ND		ug/kg	1.2	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	1
Bromodichloromethane	ND		ug/kg	1.2	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	1
1,1-Dichloropropene	ND		ug/kg	6.0	1
Bromoform	ND		ug/kg	4.8	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	1
Benzene	ND		ug/kg	1.2	1
Toluene	ND		ug/kg	1.8	1
Ethylbenzene	ND		ug/kg	1.2	1
Chloromethane	ND		ug/kg	6.0	1
Bromomethane	ND		ug/kg	2.4	1
Vinyl chloride	ND		ug/kg	2.4	1
Chloroethane	ND		ug/kg	2.4	1
1,1-Dichloroethene	ND		ug/kg	1.2	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	1
Trichloroethene	270	E	ug/kg	1.2	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	1

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-07
 Client ID: SP-E-3-20070727-01
 Sample Location: RAYTHEON WAYLAND

Date Collected: 07/27/07 09:40
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
1,4-Dichlorobenzene	ND		ug/kg	6.0	1
Methyl tert butyl ether	ND		ug/kg	2.4	1
p/m-Xylene	ND		ug/kg	2.4	1
o-Xylene	ND		ug/kg	2.4	1
cis-1,2-Dichloroethene	53		ug/kg	1.2	1
Dibromomethane	ND		ug/kg	12	1
1,2,3-Trichloropropane	ND		ug/kg	12	1
Styrene	ND		ug/kg	2.4	1
Dichlorodifluoromethane	ND		ug/kg	12	1
Acetone	45		ug/kg	12	1
Carbon disulfide	ND		ug/kg	60	1
2-Butanone	ND		ug/kg	12	1
4-Methyl-2-pentanone	ND		ug/kg	12	1
2-Hexanone	ND		ug/kg	12	1
Bromochloromethane	ND		ug/kg	6.0	1
Tetrahydrofuran	ND		ug/kg	24	1
2,2-Dichloropropane	ND		ug/kg	6.0	1
1,2-Dibromoethane	ND		ug/kg	4.8	1
1,3-Dichloropropane	ND		ug/kg	6.0	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	1
Bromobenzene	ND		ug/kg	6.0	1
n-Butylbenzene	ND		ug/kg	1.2	1
sec-Butylbenzene	ND		ug/kg	1.2	1
tert-Butylbenzene	ND		ug/kg	6.0	1
o-Chlorotoluene	ND		ug/kg	6.0	1
p-Chlorotoluene	ND		ug/kg	6.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	1
Hexachlorobutadiene	ND		ug/kg	6.0	1
Isopropylbenzene	ND		ug/kg	1.2	1
p-Isopropyltoluene	ND		ug/kg	1.2	1
Naphthalene	ND		ug/kg	6.0	1
n-Propylbenzene	ND		ug/kg	1.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.0	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.0	1
Ethyl ether	ND		ug/kg	6.0	1

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-07
 Client ID: SP-E-3-20070727-01
 Sample Location: RAYTHEON WAYLAND

Date Collected: 07/27/07 09:40
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Isopropyl Ether	ND		ug/kg	4.8	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.8	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.8	1
1,4-Dioxane	ND		ug/kg	600	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-08
Client ID: SP-E-4-20070727-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Anaytical Method: 1,8260B
Analytical Date: 08/08/07 17:56
Analyst: SE
Percent Solids: 74%
TCLP Extraction Date: 07/31/07 15:38

Date Collected: 07/27/07 09:45
Date Received: 07/27/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Volatile Organics					
Chloroform	ND		ug/l	7.5	10
Carbon tetrachloride	ND		ug/l	5.0	10
Tetrachloroethene	ND		ug/l	5.0	10
Chlorobenzene	ND		ug/l	5.0	10
1,2-Dichloroethane	ND		ug/l	5.0	10
Benzene	ND		ug/l	5.0	10
Vinyl chloride	ND		ug/l	10	10
1,1-Dichloroethene	ND		ug/l	5.0	10
Trichloroethene	ND		ug/l	5.0	10
1,4-Dichlorobenzene	ND		ug/l	25	10
2-Butanone	ND		ug/l	50	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	100		70-130

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-08
 Client ID: SP-E-4-20070727-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil
 Analytical Method: 60,8260B
 Analytical Date: 08/05/07 19:51
 Analyst: SE
 Percent Solids: 74%

Date Collected: 07/27/07 09:45
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Methylene chloride	ND		ug/kg	13	1
1,1-Dichloroethane	ND		ug/kg	1.9	1
Chloroform	ND		ug/kg	1.9	1
Carbon tetrachloride	ND		ug/kg	1.3	1
1,2-Dichloropropane	ND		ug/kg	4.5	1
Dibromochloromethane	ND		ug/kg	1.3	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	1
Tetrachloroethene	65		ug/kg	1.3	1
Chlorobenzene	ND		ug/kg	1.3	1
Trichlorofluoromethane	ND		ug/kg	6.4	1
1,2-Dichloroethane	ND		ug/kg	1.3	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	1
Bromodichloromethane	ND		ug/kg	1.3	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	1
1,1-Dichloropropene	ND		ug/kg	6.4	1
Bromoform	ND		ug/kg	5.1	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	1
Benzene	ND		ug/kg	1.3	1
Toluene	ND		ug/kg	1.9	1
Ethylbenzene	ND		ug/kg	1.3	1
Chloromethane	ND		ug/kg	6.4	1
Bromomethane	ND		ug/kg	2.5	1
Vinyl chloride	ND		ug/kg	2.5	1
Chloroethane	ND		ug/kg	2.5	1
1,1-Dichloroethene	ND		ug/kg	1.3	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	1
Trichloroethene	26		ug/kg	1.3	1
1,2-Dichlorobenzene	ND		ug/kg	6.4	1
1,3-Dichlorobenzene	ND		ug/kg	6.4	1

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-08
 Client ID: SP-E-4-20070727-01
 Sample Location: RAYTHEON WAYLAND

Date Collected: 07/27/07 09:45
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
1,4-Dichlorobenzene	ND		ug/kg	6.4	1
Methyl tert butyl ether	ND		ug/kg	2.5	1
p/m-Xylene	ND		ug/kg	2.5	1
o-Xylene	ND		ug/kg	2.5	1
cis-1,2-Dichloroethene	2.5		ug/kg	1.3	1
Dibromomethane	ND		ug/kg	13	1
1,2,3-Trichloropropane	ND		ug/kg	13	1
Styrene	ND		ug/kg	2.5	1
Dichlorodifluoromethane	ND		ug/kg	13	1
Acetone	38		ug/kg	13	1
Carbon disulfide	ND		ug/kg	64	1
2-Butanone	ND		ug/kg	13	1
4-Methyl-2-pentanone	ND		ug/kg	13	1
2-Hexanone	ND		ug/kg	13	1
Bromochloromethane	ND		ug/kg	6.4	1
Tetrahydrofuran	ND		ug/kg	25	1
2,2-Dichloropropane	ND		ug/kg	6.4	1
1,2-Dibromoethane	ND		ug/kg	5.1	1
1,3-Dichloropropane	ND		ug/kg	6.4	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	1
Bromobenzene	ND		ug/kg	6.4	1
n-Butylbenzene	ND		ug/kg	1.3	1
sec-Butylbenzene	ND		ug/kg	1.3	1
tert-Butylbenzene	ND		ug/kg	6.4	1
o-Chlorotoluene	ND		ug/kg	6.4	1
p-Chlorotoluene	ND		ug/kg	6.4	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.4	1
Hexachlorobutadiene	ND		ug/kg	6.4	1
Isopropylbenzene	ND		ug/kg	1.3	1
p-Isopropyltoluene	ND		ug/kg	1.3	1
Naphthalene	ND		ug/kg	6.4	1
n-Propylbenzene	ND		ug/kg	1.3	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.4	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.4	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.4	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.4	1
Ethyl ether	ND		ug/kg	6.4	1

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-08
 Client ID: SP-E-4-20070727-01
 Sample Location: RAYTHEON WAYLAND

Date Collected: 07/27/07 09:45
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Isopropyl Ether	ND		ug/kg	5.1	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	5.1	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	5.1	1
1,4-Dioxane	ND		ug/kg	640	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	103		70-130

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-09
Client ID: DUP-001-20070727-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Anaytical Method: 60,8260B
Analytical Date: 08/05/07 20:26
Analyst: SE
Percent Solids: 75%

Date Collected: 07/27/07 00:00
Date Received: 07/27/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Methylene chloride	ND		ug/kg	12	1
1,1-Dichloroethane	ND		ug/kg	1.8	1
Chloroform	ND		ug/kg	1.8	1
Carbon tetrachloride	ND		ug/kg	1.2	1
1,2-Dichloropropane	ND		ug/kg	4.3	1
Dibromochloromethane	ND		ug/kg	1.2	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	1
Tetrachloroethene	18		ug/kg	1.2	1
Chlorobenzene	ND		ug/kg	1.2	1
Trichlorofluoromethane	ND		ug/kg	6.2	1
1,2-Dichloroethane	ND		ug/kg	1.2	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	1
Bromodichloromethane	ND		ug/kg	1.2	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	1
1,1-Dichloropropene	ND		ug/kg	6.2	1
Bromoform	ND		ug/kg	4.9	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	1
Benzene	ND		ug/kg	1.2	1
Toluene	ND		ug/kg	1.8	1
Ethylbenzene	ND		ug/kg	1.2	1
Chloromethane	ND		ug/kg	6.2	1
Bromomethane	ND		ug/kg	2.5	1
Vinyl chloride	ND		ug/kg	2.5	1
Chloroethane	ND		ug/kg	2.5	1
1,1-Dichloroethene	ND		ug/kg	1.2	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	1
Trichloroethene	37		ug/kg	1.2	1
1,2-Dichlorobenzene	ND		ug/kg	6.2	1
1,3-Dichlorobenzene	ND		ug/kg	6.2	1

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-09
 Client ID: DUP-001-20070727-01
 Sample Location: RAYTHEON WAYLAND

Date Collected: 07/27/07 00:00
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
1,4-Dichlorobenzene	ND		ug/kg	6.2	1
Methyl tert butyl ether	ND		ug/kg	2.5	1
p/m-Xylene	ND		ug/kg	2.5	1
o-Xylene	ND		ug/kg	2.5	1
cis-1,2-Dichloroethene	18		ug/kg	1.2	1
Dibromomethane	ND		ug/kg	12	1
1,2,3-Trichloropropane	ND		ug/kg	12	1
Styrene	ND		ug/kg	2.5	1
Dichlorodifluoromethane	ND		ug/kg	12	1
Acetone	27		ug/kg	12	1
Carbon disulfide	ND		ug/kg	62	1
2-Butanone	ND		ug/kg	12	1
4-Methyl-2-pentanone	ND		ug/kg	12	1
2-Hexanone	ND		ug/kg	12	1
Bromochloromethane	ND		ug/kg	6.2	1
Tetrahydrofuran	ND		ug/kg	25	1
2,2-Dichloropropane	ND		ug/kg	6.2	1
1,2-Dibromoethane	ND		ug/kg	4.9	1
1,3-Dichloropropane	ND		ug/kg	6.2	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	1
Bromobenzene	ND		ug/kg	6.2	1
n-Butylbenzene	ND		ug/kg	1.2	1
sec-Butylbenzene	ND		ug/kg	1.2	1
tert-Butylbenzene	ND		ug/kg	6.2	1
o-Chlorotoluene	ND		ug/kg	6.2	1
p-Chlorotoluene	ND		ug/kg	6.2	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.2	1
Hexachlorobutadiene	ND		ug/kg	6.2	1
Isopropylbenzene	ND		ug/kg	1.2	1
p-Isopropyltoluene	ND		ug/kg	1.2	1
Naphthalene	ND		ug/kg	6.2	1
n-Propylbenzene	ND		ug/kg	1.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.2	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.2	1
Ethyl ether	ND		ug/kg	6.2	1

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-09
 Client ID: DUP-001-20070727-01
 Sample Location: RAYTHEON WAYLAND

Date Collected: 07/27/07 00:00
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Isopropyl Ether	ND		ug/kg	4.9	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.9	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.9	1
1,4-Dioxane	ND		ug/kg	620	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	99		70-130

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-10
 Client ID: TB-001-20070727-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil
 Analytical Method: 60,8260B
 Analytical Date: 08/05/07 21:00
 Analyst: SE
 Percent Solids: Results are reported on an 'AS RECEIVED' basis.

Date Collected: 07/09/07 17:00
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Methylene chloride	ND		ug/kg	10	1
1,1-Dichloroethane	ND		ug/kg	1.5	1
Chloroform	ND		ug/kg	1.5	1
Carbon tetrachloride	ND		ug/kg	1.0	1
1,2-Dichloropropane	ND		ug/kg	3.5	1
Dibromochloromethane	ND		ug/kg	1.0	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	1
Tetrachloroethene	ND		ug/kg	1.0	1
Chlorobenzene	ND		ug/kg	1.0	1
Trichlorofluoromethane	ND		ug/kg	5.0	1
1,2-Dichloroethane	ND		ug/kg	1.0	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	1
Bromodichloromethane	ND		ug/kg	1.0	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	1
1,1-Dichloropropene	ND		ug/kg	5.0	1
Bromoform	ND		ug/kg	4.0	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	1
Benzene	ND		ug/kg	1.0	1
Toluene	ND		ug/kg	1.5	1
Ethylbenzene	ND		ug/kg	1.0	1
Chloromethane	ND		ug/kg	5.0	1
Bromomethane	ND		ug/kg	2.0	1
Vinyl chloride	ND		ug/kg	2.0	1
Chloroethane	ND		ug/kg	2.0	1
1,1-Dichloroethene	ND		ug/kg	1.0	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	1
Trichloroethene	ND		ug/kg	1.0	1
1,2-Dichlorobenzene	ND		ug/kg	5.0	1
1,3-Dichlorobenzene	ND		ug/kg	5.0	1

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-10
 Client ID: TB-001-20070727-01
 Sample Location: RAYTHEON WAYLAND

Date Collected: 07/09/07 17:00
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
1,4-Dichlorobenzene	ND		ug/kg	5.0	1
Methyl tert butyl ether	ND		ug/kg	2.0	1
p/m-Xylene	ND		ug/kg	2.0	1
o-Xylene	ND		ug/kg	2.0	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	1
Dibromomethane	ND		ug/kg	10	1
1,2,3-Trichloropropane	ND		ug/kg	10	1
Styrene	ND		ug/kg	2.0	1
Dichlorodifluoromethane	ND		ug/kg	10	1
Acetone	ND		ug/kg	10	1
Carbon disulfide	ND		ug/kg	50	1
2-Butanone	ND		ug/kg	10	1
4-Methyl-2-pentanone	ND		ug/kg	10	1
2-Hexanone	ND		ug/kg	10	1
Bromochloromethane	ND		ug/kg	5.0	1
Tetrahydrofuran	ND		ug/kg	20	1
2,2-Dichloropropane	ND		ug/kg	5.0	1
1,2-Dibromoethane	ND		ug/kg	4.0	1
1,3-Dichloropropane	ND		ug/kg	5.0	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	1
Bromobenzene	ND		ug/kg	5.0	1
n-Butylbenzene	ND		ug/kg	1.0	1
sec-Butylbenzene	ND		ug/kg	1.0	1
tert-Butylbenzene	ND		ug/kg	5.0	1
o-Chlorotoluene	ND		ug/kg	5.0	1
p-Chlorotoluene	ND		ug/kg	5.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	1
Hexachlorobutadiene	ND		ug/kg	5.0	1
Isopropylbenzene	ND		ug/kg	1.0	1
p-Isopropyltoluene	ND		ug/kg	1.0	1
Naphthalene	ND		ug/kg	5.0	1
n-Propylbenzene	ND		ug/kg	1.0	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	1
Ethyl ether	ND		ug/kg	5.0	1

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-10
 Client ID: TB-001-20070727-01
 Sample Location: RAYTHEON WAYLAND

Date Collected: 07/09/07 17:00
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B/5035-Low					
Isopropyl Ether	ND		ug/kg	4.0	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	1
1,4-Dioxane	ND		ug/kg	500	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	102		70-130

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260B
 Analytical Date: 08/08/07 12:12
 Analyst: SE
 TCLP Extraction Date: 07/30/07 16:22

Parameter	Result	Qualifier	Units	RDL
TCLP Volatile Organics for sample(s): 01-05 Batch: WG289375-6				
Chloroform	ND		ug/l	7.5
Carbon tetrachloride	ND		ug/l	5.0
Tetrachloroethene	ND		ug/l	5.0
Chlorobenzene	ND		ug/l	5.0
1,2-Dichloroethane	ND		ug/l	5.0
Benzene	ND		ug/l	5.0
Vinyl chloride	ND		ug/l	10
1,1-Dichloroethene	ND		ug/l	5.0
Trichloroethene	ND		ug/l	5.0
1,4-Dichlorobenzene	ND		ug/l	25
2-Butanone	ND		ug/l	50

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	104		70-130

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

Method Blank Analysis Batch Quality Control

Analytical Method: 60,8260B
 Analytical Date: 08/04/07 11:57
 Analyst: SE

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B/5035-Low for sample(s): 01 Batch: WG289577-6				
Methylene chloride	ND		ug/kg	10
1,1-Dichloroethane	ND		ug/kg	1.5
Chloroform	ND		ug/kg	1.5
Carbon tetrachloride	ND		ug/kg	1.0
1,2-Dichloropropane	ND		ug/kg	3.5
Dibromochloromethane	ND		ug/kg	1.0
1,1,2-Trichloroethane	ND		ug/kg	1.5
Tetrachloroethene	ND		ug/kg	1.0
Chlorobenzene	ND		ug/kg	1.0
Trichlorofluoromethane	ND		ug/kg	5.0
1,2-Dichloroethane	ND		ug/kg	1.0
1,1,1-Trichloroethane	ND		ug/kg	1.0
Bromodichloromethane	ND		ug/kg	1.0
trans-1,3-Dichloropropene	ND		ug/kg	1.0
cis-1,3-Dichloropropene	ND		ug/kg	1.0
1,1-Dichloropropene	ND		ug/kg	5.0
Bromoform	ND		ug/kg	4.0
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0
Benzene	ND		ug/kg	1.0
Toluene	ND		ug/kg	1.5
Ethylbenzene	ND		ug/kg	1.0
Chloromethane	ND		ug/kg	5.0
Bromomethane	ND		ug/kg	2.0
Vinyl chloride	ND		ug/kg	2.0
Chloroethane	ND		ug/kg	2.0
1,1-Dichloroethene	ND		ug/kg	1.0
trans-1,2-Dichloroethene	ND		ug/kg	1.5
Trichloroethene	ND		ug/kg	1.0
1,2-Dichlorobenzene	ND		ug/kg	5.0
1,3-Dichlorobenzene	ND		ug/kg	5.0
1,4-Dichlorobenzene	ND		ug/kg	5.0

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

Method Blank Analysis Batch Quality Control

Analytical Method: 60,8260B
 Analytical Date: 08/04/07 11:57
 Analyst: SE

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B/5035-Low for sample(s): 01 Batch: WG289577-6				
Methyl tert butyl ether	ND		ug/kg	2.0
p/m-Xylene	ND		ug/kg	2.0
o-Xylene	ND		ug/kg	2.0
cis-1,2-Dichloroethene	ND		ug/kg	1.0
Dibromomethane	ND		ug/kg	10
1,2,3-Trichloropropane	ND		ug/kg	10
Styrene	ND		ug/kg	2.0
Dichlorodifluoromethane	ND		ug/kg	10
Acetone	ND		ug/kg	10
Carbon disulfide	ND		ug/kg	50
2-Butanone	ND		ug/kg	10
4-Methyl-2-pentanone	ND		ug/kg	10
2-Hexanone	ND		ug/kg	10
Bromochloromethane	ND		ug/kg	5.0
Tetrahydrofuran	ND		ug/kg	20
2,2-Dichloropropane	ND		ug/kg	5.0
1,2-Dibromoethane	ND		ug/kg	4.0
1,3-Dichloropropane	ND		ug/kg	5.0
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0
Bromobenzene	ND		ug/kg	5.0
n-Butylbenzene	ND		ug/kg	1.0
sec-Butylbenzene	ND		ug/kg	1.0
tert-Butylbenzene	ND		ug/kg	5.0
o-Chlorotoluene	ND		ug/kg	5.0
p-Chlorotoluene	ND		ug/kg	5.0
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0
Hexachlorobutadiene	ND		ug/kg	5.0
Isopropylbenzene	ND		ug/kg	1.0
p-Isopropyltoluene	ND		ug/kg	1.0
Naphthalene	ND		ug/kg	5.0
n-Propylbenzene	ND		ug/kg	1.0

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
 Analytical Date: 08/04/07 11:57
 Analyst: SE

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B/5035-Low for sample(s): 01 Batch: WG289577-6				
1,2,3-Trichlorobenzene	ND		ug/kg	5.0
1,2,4-Trichlorobenzene	ND		ug/kg	5.0
1,3,5-Trimethylbenzene	ND		ug/kg	5.0
1,2,4-Trimethylbenzene	ND		ug/kg	5.0
Ethyl ether	ND		ug/kg	5.0
Isopropyl Ether	ND		ug/kg	4.0
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0
1,4-Dioxane	ND		ug/kg	500

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	100		70-130

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

Method Blank Analysis Batch Quality Control

Analytical Method: 60,8260B
 Analytical Date: 08/05/07 15:46
 Analyst: SE

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B/5035-Low for sample(s): 02-10 Batch: WG289581-3				
Methylene chloride	ND		ug/kg	10
1,1-Dichloroethane	ND		ug/kg	1.5
Chloroform	ND		ug/kg	1.5
Carbon tetrachloride	ND		ug/kg	1.0
1,2-Dichloropropane	ND		ug/kg	3.5
Dibromochloromethane	ND		ug/kg	1.0
1,1,2-Trichloroethane	ND		ug/kg	1.5
Tetrachloroethene	ND		ug/kg	1.0
Chlorobenzene	ND		ug/kg	1.0
Trichlorofluoromethane	ND		ug/kg	5.0
1,2-Dichloroethane	ND		ug/kg	1.0
1,1,1-Trichloroethane	ND		ug/kg	1.0
Bromodichloromethane	ND		ug/kg	1.0
trans-1,3-Dichloropropene	ND		ug/kg	1.0
cis-1,3-Dichloropropene	ND		ug/kg	1.0
1,1-Dichloropropene	ND		ug/kg	5.0
Bromoform	ND		ug/kg	4.0
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0
Benzene	ND		ug/kg	1.0
Toluene	ND		ug/kg	1.5
Ethylbenzene	ND		ug/kg	1.0
Chloromethane	ND		ug/kg	5.0
Bromomethane	ND		ug/kg	2.0
Vinyl chloride	ND		ug/kg	2.0
Chloroethane	ND		ug/kg	2.0
1,1-Dichloroethene	ND		ug/kg	1.0
trans-1,2-Dichloroethene	ND		ug/kg	1.5
Trichloroethene	ND		ug/kg	1.0
1,2-Dichlorobenzene	ND		ug/kg	5.0
1,3-Dichlorobenzene	ND		ug/kg	5.0
1,4-Dichlorobenzene	ND		ug/kg	5.0

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

Method Blank Analysis Batch Quality Control

Analytical Method: 60,8260B
 Analytical Date: 08/05/07 15:46
 Analyst: SE

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B/5035-Low for sample(s): 02-10 Batch: WG289581-3				
Methyl tert butyl ether	ND		ug/kg	2.0
p/m-Xylene	ND		ug/kg	2.0
o-Xylene	ND		ug/kg	2.0
cis-1,2-Dichloroethene	ND		ug/kg	1.0
Dibromomethane	ND		ug/kg	10
1,2,3-Trichloropropane	ND		ug/kg	10
Styrene	ND		ug/kg	2.0
Dichlorodifluoromethane	ND		ug/kg	10
Acetone	ND		ug/kg	10
Carbon disulfide	ND		ug/kg	50
2-Butanone	ND		ug/kg	10
4-Methyl-2-pentanone	ND		ug/kg	10
2-Hexanone	ND		ug/kg	10
Bromochloromethane	ND		ug/kg	5.0
Tetrahydrofuran	ND		ug/kg	20
2,2-Dichloropropane	ND		ug/kg	5.0
1,2-Dibromoethane	ND		ug/kg	4.0
1,3-Dichloropropane	ND		ug/kg	5.0
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0
Bromobenzene	ND		ug/kg	5.0
n-Butylbenzene	ND		ug/kg	1.0
sec-Butylbenzene	ND		ug/kg	1.0
tert-Butylbenzene	ND		ug/kg	5.0
o-Chlorotoluene	ND		ug/kg	5.0
p-Chlorotoluene	ND		ug/kg	5.0
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0
Hexachlorobutadiene	ND		ug/kg	5.0
Isopropylbenzene	ND		ug/kg	1.0
p-Isopropyltoluene	ND		ug/kg	1.0
Naphthalene	ND		ug/kg	5.0
n-Propylbenzene	ND		ug/kg	1.0

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
 Analytical Date: 08/05/07 15:46
 Analyst: SE

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B/5035-Low for sample(s): 02-10 Batch: WG289581-3				
1,2,3-Trichlorobenzene	ND		ug/kg	5.0
1,2,4-Trichlorobenzene	ND		ug/kg	5.0
1,3,5-Trimethylbenzene	ND		ug/kg	5.0
1,2,4-Trimethylbenzene	ND		ug/kg	5.0
Ethyl ether	ND		ug/kg	5.0
Isopropyl Ether	ND		ug/kg	4.0
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0
1,4-Dioxane	ND		ug/kg	500

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	103		70-130

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260B
 Analytical Date: 08/08/07 16:01
 Analyst: SE
 TCLP Extraction Date: 07/31/07 15:38

Parameter	Result	Qualifier	Units	RDL
TCLP Volatile Organics for sample(s): 06-08 Batch: WG290025-4				
Chloroform	ND		ug/l	7.5
Carbon tetrachloride	ND		ug/l	5.0
Tetrachloroethene	ND		ug/l	5.0
Chlorobenzene	ND		ug/l	5.0
1,2-Dichloroethane	ND		ug/l	5.0
Benzene	ND		ug/l	5.0
Vinyl chloride	ND		ug/l	10
1,1-Dichloroethene	ND		ug/l	5.0
Trichloroethene	ND		ug/l	5.0
1,4-Dichlorobenzene	ND		ug/l	25
2-Butanone	ND		ug/l	50

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: NA SOIL 2007

Project Number: 0051545

Lab Number: L0710794

Report Date: 08/09/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
TCLP Volatile Organics Associated sample(s): 01-05 Batch: WG289375-5					
Chloroform	83	-	70-130	-	20
Carbon tetrachloride	90	-	70-130	-	20
Tetrachloroethene	75	-	70-130	-	20
Chlorobenzene	84	-	75-130	-	20
1,2-Dichloroethane	82	-	70-130	-	20
Benzene	79	-	76-127	-	20
Vinyl chloride	80	-	70-130	-	20
1,1-Dichloroethene	88	-	61-145	-	20
Trichloroethene	79	-	71-120	-	20
1,4-Dichlorobenzene	85	-	70-130	-	20
2-Butanone	89	-	70-130	-	20

Surrogate	LCS %Recovery Qualifier	LCSD %Recovery Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: NA SOIL 2007

Project Number: 0051545

Lab Number: L0710794

Report Date: 08/09/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B/5035-Low Associated sample(s): 01 Batch: WG289577-4 WG289577-5					
Methylene chloride	89	96	70-130	8	25
1,1-Dichloroethane	105	109	70-130	4	25
Chloroform	103	108	70-130	5	25
Carbon tetrachloride	103	103	70-130	0	25
1,2-Dichloropropane	102	109	70-130	7	25
Dibromochloromethane	92	96	70-130	4	25
1,1,2-Trichloroethane	94	99	70-130	5	25
Tetrachloroethene	101	106	70-130	5	25
Chlorobenzene	95	100	70-130	5	25
Trichlorofluoromethane	113	116	70-130	3	25
1,2-Dichloroethane	105	110	70-130	5	25
1,1,1-Trichloroethane	106	111	70-130	5	25
Bromodichloromethane	105	109	70-130	4	25
trans-1,3-Dichloropropene	82	84	70-130	2	25
cis-1,3-Dichloropropene	93	96	70-130	3	25
1,1-Dichloropropene	106	111	70-130	5	25
Bromoform	94	97	70-130	3	50
1,1,2,2-Tetrachloroethane	96	96	70-130	0	25
Benzene	104	109	70-130	5	25
Toluene	93	102	70-130	9	25
Ethylbenzene	97	103	70-130	6	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: NA SOIL 2007

Project Number: 0051545

Lab Number: L0710794

Report Date: 08/09/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B/5035-Low Associated sample(s): 01 Batch: WG289577-4 WG289577-5					
Chloromethane	116	122	70-130	5	50
Bromomethane	102	114	70-130	11	50
Vinyl chloride	122	125	70-130	2	25
Chloroethane	127	128	70-130	1	25
1,1-Dichloroethene	113	117	70-130	3	25
trans-1,2-Dichloroethene	110	112	70-130	2	25
Trichloroethene	110	110	70-130	0	25
1,2-Dichlorobenzene	94	96	70-130	2	25
1,3-Dichlorobenzene	95	99	70-130	4	25
1,4-Dichlorobenzene	93	99	70-130	6	25
Methyl tert butyl ether	86	85	70-130	1	25
p/m-Xylene	98	104	70-130	6	25
o-Xylene	94	99	70-130	5	25
cis-1,2-Dichloroethene	109	113	70-130	4	25
Dibromomethane	106	111	70-130	5	25
1,2,3-Trichloropropane	103	111	70-130	7	25
Styrene	90	96	70-130	6	25
Dichlorodifluoromethane	125	129	70-130	3	50
Acetone	85	90	70-130	6	50
Carbon disulfide	92	94	70-130	2	25
2-Butanone	94	94	70-130	0	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: NA SOIL 2007

Project Number: 0051545

Lab Number: L0710794

Report Date: 08/09/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B/5035-Low Associated sample(s): 01 Batch: WG289577-4 WG289577-5					
4-Methyl-2-pentanone	113	119	70-130	5	50
2-Hexanone	95	98	70-130	3	50
Bromochloromethane	100	108	70-130	8	25
Tetrahydrofuran	92	92	70-130	0	25
2,2-Dichloropropane	67	59	70-130	13	50
1,2-Dibromoethane	100	100	70-130	0	25
1,3-Dichloropropane	93	102	70-130	9	25
1,1,1,2-Tetrachloroethane	96	102	70-130	6	25
Bromobenzene	97	100	70-130	3	25
n-Butylbenzene	78	80	70-130	3	25
sec-Butylbenzene	99	102	70-130	3	25
tert-Butylbenzene	99	102	70-130	3	25
o-Chlorotoluene	95	98	70-130	3	25
p-Chlorotoluene	97	99	70-130	2	25
1,2-Dibromo-3-chloropropane	89	94	70-130	5	50
Hexachlorobutadiene	91	96	70-130	5	25
Isopropylbenzene	106	109	70-130	3	25
p-Isopropyltoluene	103	107	70-130	4	25
Naphthalene	94	103	70-130	9	25
n-Propylbenzene	97	100	70-130	3	25
1,2,3-Trichlorobenzene	92	97	70-130	5	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: NA SOIL 2007

Project Number: 0051545

Lab Number: L0710794

Report Date: 08/09/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B/5035-Low Associated sample(s): 01 Batch: WG289577-4 WG289577-5					
1,2,4-Trichlorobenzene	94	99	70-130	5	25
1,3,5-Trimethylbenzene	96	98	70-130	2	25
1,2,4-Trimethylbenzene	97	101	70-130	4	25
Ethyl ether	90	95	70-130	5	25
Isopropyl Ether	92	96	70-130	4	25
Ethyl-Tert-Butyl-Ether	92	83	70-130	10	25
Tertiary-Amyl Methyl Ether	94	88	70-130	7	25
1,4-Dioxane	111	119	70-130	7	50

Surrogate	LCS %Recovery Qualifier	LCSD %Recovery Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97	100	70-130
Toluene-d8	91	95	70-130
4-Bromofluorobenzene	91	93	70-130
Dibromofluoromethane	101	105	70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: NA SOIL 2007

Project Number: 0051545

Lab Number: L0710794

Report Date: 08/09/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B/5035-Low Associated sample(s): 02-10 Batch: WG289581-1 WG289581-2					
Methylene chloride	80	81	70-130	1	25
1,1-Dichloroethane	106	106	70-130	0	25
Chloroform	106	105	70-130	1	25
Carbon tetrachloride	109	106	70-130	3	25
1,2-Dichloropropane	103	101	70-130	2	25
Dibromochloromethane	96	95	70-130	1	25
1,1,2-Trichloroethane	98	96	70-130	2	25
Tetrachloroethene	99	99	70-130	0	25
Chlorobenzene	94	94	70-130	0	25
Trichlorofluoromethane	124	125	70-130	1	25
1,2-Dichloroethane	110	108	70-130	2	25
1,1,1-Trichloroethane	110	112	70-130	2	25
Bromodichloromethane	109	105	70-130	4	25
trans-1,3-Dichloropropene	87	85	70-130	2	25
cis-1,3-Dichloropropene	92	94	70-130	2	25
1,1-Dichloropropene	110	108	70-130	2	25
Bromoform	98	98	70-130	0	50
1,1,1,2-Tetrachloroethane	95	95	70-130	0	25
Benzene	103	102	70-130	1	25
Toluene	93	94	70-130	1	25
Ethylbenzene	100	99	70-130	1	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: NA SOIL 2007

Project Number: 0051545

Lab Number: L0710794

Report Date: 08/09/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B/5035-Low Associated sample(s): 02-10 Batch: WG289581-1 WG289581-2					
Chloromethane	115	112	70-130	3	50
Bromomethane	124	124	70-130	0	50
Vinyl chloride	119	122	70-130	2	25
Chloroethane	125	129	70-130	3	25
1,1-Dichloroethene	109	113	70-130	4	25
trans-1,2-Dichloroethene	107	108	70-130	1	25
Trichloroethene	106	108	70-130	2	25
1,2-Dichlorobenzene	96	93	70-130	3	25
1,3-Dichlorobenzene	97	95	70-130	2	25
1,4-Dichlorobenzene	96	93	70-130	3	25
Methyl tert butyl ether	78	80	70-130	3	25
p/m-Xylene	99	97	70-130	2	25
o-Xylene	94	94	70-130	0	25
cis-1,2-Dichloroethene	108	107	70-130	1	25
Dibromomethane	111	108	70-130	3	25
1,2,3-Trichloropropane	107	106	70-130	1	25
Styrene	93	92	70-130	1	25
Dichlorodifluoromethane	123	126	70-130	2	50
Acetone	80	87	70-130	8	50
Carbon disulfide	90	90	70-130	0	25
2-Butanone	93	99	70-130	6	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: NA SOIL 2007

Project Number: 0051545

Lab Number: L0710794

Report Date: 08/09/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B/5035-Low Associated sample(s): 02-10 Batch: WG289581-1 WG289581-2					
4-Methyl-2-pentanone	109	119	70-130	9	50
2-Hexanone	98	100	70-130	2	50
Bromochloromethane	104	103	70-130	1	25
Tetrahydrofuran	84	91	70-130	8	25
2,2-Dichloropropane	65	65	70-130	0	50
1,2-Dibromoethane	103	96	70-130	7	25
1,3-Dichloropropane	97	98	70-130	1	25
1,1,1,2-Tetrachloroethane	103	99	70-130	4	25
Bromobenzene	98	96	70-130	2	25
n-Butylbenzene	82	80	70-130	2	25
sec-Butylbenzene	101	100	70-130	1	25
tert-Butylbenzene	101	100	70-130	1	25
o-Chlorotoluene	99	98	70-130	1	25
p-Chlorotoluene	100	100	70-130	0	25
1,2-Dibromo-3-chloropropane	92	98	70-130	6	50
Hexachlorobutadiene	98	93	70-130	5	25
Isopropylbenzene	108	108	70-130	0	25
p-Isopropyltoluene	107	104	70-130	3	25
Naphthalene	95	96	70-130	1	25
n-Propylbenzene	100	99	70-130	1	25
1,2,3-Trichlorobenzene	94	96	70-130	2	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: NA SOIL 2007

Project Number: 0051545

Lab Number: L0710794

Report Date: 08/09/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B/5035-Low Associated sample(s): 02-10 Batch: WG289581-1 WG289581-2					
1,2,4-Trichlorobenzene	96	94	70-130	2	25
1,3,5-Trimethylbenzene	100	97	70-130	3	25
1,2,4-Trimethylbenzene	102	100	70-130	2	25
Ethyl ether	90	89	70-130	1	25
Isopropyl Ether	92	90	70-130	2	25
Ethyl-Tert-Butyl-Ether	84	83	70-130	1	25
Tertiary-Amyl Methyl Ether	86	86	70-130	0	25
1,4-Dioxane	106	114	70-130	7	50

Surrogate	LCS %Recovery Qualifier	LCSD %Recovery Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103	100	70-130
Toluene-d8	92	91	70-130
4-Bromofluorobenzene	95	92	70-130
Dibromofluoromethane	102	100	70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: NA SOIL 2007

Project Number: 0051545

Lab Number: L0710794

Report Date: 08/09/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
TCLP Volatile Organics Associated sample(s): 06-08 Batch: WG290025-3					
Chloroform	83	-	70-130	-	20
Carbon tetrachloride	90	-	70-130	-	20
Tetrachloroethene	75	-	70-130	-	20
Chlorobenzene	84	-	75-130	-	20
1,2-Dichloroethane	82	-	70-130	-	20
Benzene	79	-	76-127	-	20
Vinyl chloride	80	-	70-130	-	20
1,1-Dichloroethene	88	-	61-145	-	20
Trichloroethene	79	-	71-120	-	20
1,4-Dichlorobenzene	85	-	70-130	-	20
2-Butanone	89	-	70-130	-	20

Surrogate	LCS %Recovery Qualifier	LCSD %Recovery Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	100		70-130

Matrix Spike Analysis Batch Quality Control

Project Name: NA SOIL 2007
Project Number: 0051545

Lab Number: L0710794
Report Date: 08/09/07

Parameter	Native Sample	MS Added	MS Found	MS		MSD		Recovery Limits	RPD	RPD Limits
				%Recovery	MSD Found	%Recovery				
TCLP Volatile Organics Associated sample(s): 01-05 QC Batch ID: WG289375-1 WG289375-2 QC Sample: L0710463-14 Client ID: MS Sample										
Chloroform	ND	100	98	98	90	90	70-130	9	20	
Carbon tetrachloride	ND	100	100	103	89	90	70-130	13	20	
Tetrachloroethene	ND	100	110	107	95	96	70-130	11	20	
Chlorobenzene	ND	100	100	102	93	93	75-130	9	20	
1,2-Dichloroethane	ND	100	110	111	100	102	70-130	8	20	
Benzene	ND	100	98	98	91	91	76-127	7	20	
Vinyl chloride	ND	100	77	77	72	72	70-130	7	20	
1,1-Dichloroethene	ND	100	95	95	87	87	61-145	9	20	
Trichloroethene	ND	100	100	104	91	91	71-120	13	20	
1,4-Dichlorobenzene	ND	100	99	99	94	94	70-130	5	20	
2-Butanone	ND	100	110	111	97	97	70-130	13	20	

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
1,2-Dichloroethane-d4	105		102		70-130
4-Bromofluorobenzene	93		94		70-130
Dibromofluoromethane	101		99		70-130
Toluene-d8	95		96		70-130

Matrix Spike Analysis Batch Quality Control

Project Name: NA SOIL 2007

Project Number: 0051545

Lab Number: L0710794

Report Date: 08/09/07

Parameter	Native Sample	MS Added	MS Found	MS		MSD		Recovery Limits	RPD	RPD Limits
				%Recovery	MSD Found	%Recovery				
TCLP Volatile Organics Associated sample(s): 06-08 QC Batch ID: WG290025-1 WG290025-2 QC Sample: L0710794-06 Client ID: SP-E-2-20070727-01										
Chloroform	ND	100	100	102	97	97	70-130	5	20	
Carbon tetrachloride	ND	100	100	101	94	94	70-130	7	20	
Tetrachloroethene	ND	100	93	93	89	89	70-130	4	20	
Chlorobenzene	ND	100	99	99	95	96	75-130	3	20	
1,2-Dichloroethane	ND	100	110	109	99	99	70-130	10	20	
Benzene	ND	100	92	92	87	87	76-127	6	20	
Vinyl chloride	ND	100	86	86	82	82	70-130	5	20	
1,1-Dichloroethene	ND	100	100	102	91	91	61-145	11	20	
Trichloroethene	ND	100	94	94	86	86	71-120	9	20	
1,4-Dichlorobenzene	ND	100	97	97	100	101	70-130	4	20	
2-Butanone	ND	100	120	124	110	112	70-130	10	20	

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
1,2-Dichloroethane-d4	108		106		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	109		102		70-130
Toluene-d8	100		94		70-130

SEMIVOLATILES

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-01
 Client ID: SP-D-1-20070727-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil
 Analytical Method: 1,8270C
 Analytical Date: 08/03/07 19:34
 Analyst: AK
 Percent Solids: 75%
 TCLP Extraction Date: 08/01/07 17:00

Date Collected: 07/27/07 09:00
 Date Received: 07/27/07
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 08/02/07 16:40

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Semi-Volatile Organics					
Hexachlorobenzene	ND		ug/l	25	1
2,4-Dinitrotoluene	ND		ug/l	30	1
Hexachlorobutadiene	ND		ug/l	50	1
Hexachloroethane	ND		ug/l	25	1
Nitrobenzene	ND		ug/l	25	1
2,4,6-Trichlorophenol	ND		ug/l	25	1
Pentachlorophenol	ND		ug/l	50	1
2-Methylphenol	ND		ug/l	30	1
3-Methylphenol/4-Methylphenol	ND		ug/l	30	1
2,4,5-Trichlorophenol	ND		ug/l	25	1
Pyridine	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		21-120
Phenol-d6	80		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	61		43-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	79		33-120

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-02
Client ID: SP-D-2-20070727-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Anaytical Method: 1,8270C
Analytical Date: 08/03/07 19:57
Analyst: AK
Percent Solids: 74%
TCLP Extraction Date: 08/01/07 17:00

Date Collected: 07/27/07 09:05
Date Received: 07/27/07
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/02/07 16:40

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Semi-Volatile Organics					
Hexachlorobenzene	ND		ug/l	25	1
2,4-Dinitrotoluene	ND		ug/l	30	1
Hexachlorobutadiene	ND		ug/l	50	1
Hexachloroethane	ND		ug/l	25	1
Nitrobenzene	ND		ug/l	25	1
2,4,6-Trichlorophenol	ND		ug/l	25	1
Pentachlorophenol	ND		ug/l	50	1
2-Methylphenol	ND		ug/l	30	1
3-Methylphenol/4-Methylphenol	ND		ug/l	30	1
2,4,5-Trichlorophenol	ND		ug/l	25	1
Pyridine	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		21-120
Phenol-d6	73		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	55		43-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	79		33-120

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-03
Client ID: SP-D-3-20070727-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Analytical Method: 1,8270C
Analytical Date: 08/03/07 20:19
Analyst: AK
Percent Solids: 75%
TCLP Extraction Date: 08/01/07 17:00

Date Collected: 07/27/07 09:10
Date Received: 07/27/07
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/02/07 16:40

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Semi-Volatile Organics					
Hexachlorobenzene	ND		ug/l	25	1
2,4-Dinitrotoluene	ND		ug/l	30	1
Hexachlorobutadiene	ND		ug/l	50	1
Hexachloroethane	ND		ug/l	25	1
Nitrobenzene	ND		ug/l	25	1
2,4,6-Trichlorophenol	ND		ug/l	25	1
Pentachlorophenol	ND		ug/l	50	1
2-Methylphenol	ND		ug/l	30	1
3-Methylphenol/4-Methylphenol	ND		ug/l	30	1
2,4,5-Trichlorophenol	ND		ug/l	25	1
Pyridine	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		21-120
Phenol-d6	73		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	53		43-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	77		33-120

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-04
Client ID: SP-D-4-20070727-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Anaytical Method: 1,8270C
Analytical Date: 08/03/07 20:42
Analyst: AK
Percent Solids: 77%
TCLP Extraction Date: 08/01/07 17:00

Date Collected: 07/27/07 09:15
Date Received: 07/27/07
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/02/07 16:40

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Semi-Volatile Organics					
Hexachlorobenzene	ND		ug/l	25	1
2,4-Dinitrotoluene	ND		ug/l	30	1
Hexachlorobutadiene	ND		ug/l	50	1
Hexachloroethane	ND		ug/l	25	1
Nitrobenzene	ND		ug/l	25	1
2,4,6-Trichlorophenol	ND		ug/l	25	1
Pentachlorophenol	ND		ug/l	50	1
2-Methylphenol	ND		ug/l	30	1
3-Methylphenol/4-Methylphenol	ND		ug/l	30	1
2,4,5-Trichlorophenol	ND		ug/l	25	1
Pyridine	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		21-120
Phenol-d6	74		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	55		43-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	76		33-120

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-05
Client ID: SP-E-1-20070727-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Anaytical Method: 1,8270C
Analytical Date: 08/03/07 21:05
Analyst: AK
Percent Solids: 78%
TCLP Extraction Date: 08/01/07 17:00

Date Collected: 07/27/07 09:30
Date Received: 07/27/07
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/02/07 16:40

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Semi-Volatile Organics					
Hexachlorobenzene	ND		ug/l	25	1
2,4-Dinitrotoluene	ND		ug/l	30	1
Hexachlorobutadiene	ND		ug/l	50	1
Hexachloroethane	ND		ug/l	25	1
Nitrobenzene	ND		ug/l	25	1
2,4,6-Trichlorophenol	ND		ug/l	25	1
Pentachlorophenol	ND		ug/l	50	1
2-Methylphenol	ND		ug/l	30	1
3-Methylphenol/4-Methylphenol	ND		ug/l	30	1
2,4,5-Trichlorophenol	ND		ug/l	25	1
Pyridine	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		21-120
Phenol-d6	77		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	56		43-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	77		33-120

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-06
Client ID: SP-E-2-20070727-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Analytical Method: 1,8270C
Analytical Date: 08/03/07 21:28
Analyst: AK
Percent Solids: 75%
TCLP Extraction Date: 08/01/07 17:00

Date Collected: 07/27/07 09:35
Date Received: 07/27/07
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/02/07 16:40

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Semi-Volatile Organics					
Hexachlorobenzene	ND		ug/l	25	1
2,4-Dinitrotoluene	ND		ug/l	30	1
Hexachlorobutadiene	ND		ug/l	50	1
Hexachloroethane	ND		ug/l	25	1
Nitrobenzene	ND		ug/l	25	1
2,4,6-Trichlorophenol	ND		ug/l	25	1
Pentachlorophenol	ND		ug/l	50	1
2-Methylphenol	ND		ug/l	30	1
3-Methylphenol/4-Methylphenol	ND		ug/l	30	1
2,4,5-Trichlorophenol	ND		ug/l	25	1
Pyridine	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		21-120
Phenol-d6	78		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	55		43-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	78		33-120

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-07
Client ID: SP-E-3-20070727-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Anaytical Method: 1,8270C
Analytical Date: 08/03/07 21:51
Analyst: AK
Percent Solids: 76%
TCLP Extraction Date: 08/01/07 17:00

Date Collected: 07/27/07 09:40
Date Received: 07/27/07
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/02/07 16:40

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Semi-Volatile Organics					
Hexachlorobenzene	ND		ug/l	25	1
2,4-Dinitrotoluene	ND		ug/l	30	1
Hexachlorobutadiene	ND		ug/l	50	1
Hexachloroethane	ND		ug/l	25	1
Nitrobenzene	ND		ug/l	25	1
2,4,6-Trichlorophenol	ND		ug/l	25	1
Pentachlorophenol	ND		ug/l	50	1
2-Methylphenol	ND		ug/l	30	1
3-Methylphenol/4-Methylphenol	ND		ug/l	30	1
2,4,5-Trichlorophenol	ND		ug/l	25	1
Pyridine	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	72		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	52		43-120
2,4,6-Tribromophenol	65		10-120
4-Terphenyl-d14	66		33-120

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-08
Client ID: SP-E-4-20070727-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Analytical Method: 1,8270C
Analytical Date: 08/03/07 22:14
Analyst: AK
Percent Solids: 74%
TCLP Extraction Date: 08/01/07 17:00

Date Collected: 07/27/07 09:45
Date Received: 07/27/07
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/02/07 16:40

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Semi-Volatile Organics					
Hexachlorobenzene	ND		ug/l	25	1
2,4-Dinitrotoluene	ND		ug/l	30	1
Hexachlorobutadiene	ND		ug/l	50	1
Hexachloroethane	ND		ug/l	25	1
Nitrobenzene	ND		ug/l	25	1
2,4,6-Trichlorophenol	ND		ug/l	25	1
Pentachlorophenol	ND		ug/l	50	1
2-Methylphenol	ND		ug/l	30	1
3-Methylphenol/4-Methylphenol	ND		ug/l	30	1
2,4,5-Trichlorophenol	ND		ug/l	25	1
Pyridine	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		21-120
Phenol-d6	83		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	54		43-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	69		33-120

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270C
 Analytical Date: 08/03/07 18:02
 Analyst: AK
 TCLP Extraction Date: 08/01/07 17:00

Extraction Method: EPA 3510C
 Extraction Date: 08/02/07 16:40

Parameter	Result	Qualifier	Units	RDL
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TCLP Semi-Volatile Organics for sample(s): 01-08 Batch: WG289349-1

Hexachlorobenzene	ND		ug/l	25
2,4-Dinitrotoluene	ND		ug/l	30
Hexachlorobutadiene	ND		ug/l	50
Hexachloroethane	ND		ug/l	25
Nitrobenzene	ND		ug/l	25
2,4,6-Trichlorophenol	ND		ug/l	25
Pentachlorophenol	ND		ug/l	50
2-Methylphenol	ND		ug/l	30
3-Methylphenol/4-Methylphenol	ND		ug/l	30
2,4,5-Trichlorophenol	ND		ug/l	25
Pyridine	ND		ug/l	250

Surrogate	%Recovery	Qualifier	Acceptance Criteria
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2-Fluorophenol	65		21-120
Phenol-d6	73		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	55		43-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	71		33-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: NA SOIL 2007

Project Number: 0051545

Lab Number: L0710794

Report Date: 08/09/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
TCLP Semi-Volatile Organics Associated sample(s): 01-08 Batch: WG289349-2					
Hexachlorobenzene	75	-	40-140	-	30
2,4-Dinitrotoluene	76	-	24-96	-	30
Hexachlorobutadiene	44	-	10-100	-	30
Hexachloroethane	44	-	13-82	-	30
Nitrobenzene	68	-	40-140	-	30
2,4,6-Trichlorophenol	61	-	30-130	-	30
Pentachlorophenol	74	-	9-103	-	30
2-Methylphenol	57	-	30-130	-	30
3-Methylphenol/4-Methylphenol	57	-	30-130	-	30
2,4,5-Trichlorophenol	62	-	30-130	-	30
Pyridine	52	-		-	30

Surrogate	LCS %Recovery Qualifier	LCSD %Recovery Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	63		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	51		43-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	75		33-120

**Matrix Spike Analysis
Batch Quality Control**

Project Name: NA SOIL 2007

Project Number: 0051545

Lab Number: L0710794

Report Date: 08/09/07

Parameter	Native Sample	MS Added	MS		MSD		Recovery Limits	RPD	RPD Limits
			MS Found	%Recovery	MSD Found	%Recovery			
TCLP Semi-Volatile Organics Associated sample(s): 01-08 QC Batch ID: WG289349-3 WG289349-4 QC Sample: L0710794-01 Client ID: SP-D-1-20070727-01									
Hexachlorobenzene	ND	500	400	80	410	82	40-140	2	30
2,4-Dinitrotoluene	ND	500	450	90	420	84	24-96	7	30
Hexachlorobutadiene	ND	500	270	54	250	50	10-100	8	30
Hexachloroethane	ND	500	280	56	260	52	13-82	7	30
Nitrobenzene	ND	500	400	80	390	78	40-140	3	30
2,4,6-Trichlorophenol	ND	500	400	80	370	74	30-130	8	30
Pentachlorophenol	ND	500	450	90	390	78	9-103	14	30
2-Methylphenol	ND	500	320	64	330	66	30-130	3	30
3-Methylphenol/4-Methylphenol	ND	1000	690	69	670	67	30-130	3	30
2,4,5-Trichlorophenol	ND	500	430	86	380	76	30-130	12	30
Pyridine	ND	1000	450	45	250	25		57	30

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
2,4,6-Tribromophenol	92		82		10-120
2-Fluorobiphenyl	67		63		43-120
2-Fluorophenol	61		61		21-120
4-Terphenyl-d14	90		81		33-120
Nitrobenzene-d5	69		72		23-120
Phenol-d6	71		73		10-120

PCBS

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-01
Client ID: SP-D-1-20070727-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Analytical Method: 1,8082
Analytical Date: 08/07/07 12:53
Analyst: SS
Percent Solids: 75%
TCLP Extraction Date: 08/01/07 17:00

Date Collected: 07/27/07 09:00
Date Received: 07/27/07
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/03/07 15:15
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/06/07

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP PCBs by GC					
Aroclor 1016	ND		ug/l	2.50	1
Aroclor 1221	ND		ug/l	2.50	1
Aroclor 1232	ND		ug/l	2.50	1
Aroclor 1242	ND		ug/l	2.50	1
Aroclor 1248	ND		ug/l	2.50	1
Aroclor 1254	ND		ug/l	2.50	1
Aroclor 1260	ND		ug/l	2.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	57		30-150	A

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-02
Client ID: SP-D-2-20070727-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Analytical Method: 1,8082
Analytical Date: 08/08/07 10:13
Analyst: JB
Percent Solids: 74%
TCLP Extraction Date: 08/01/07 17:00

Date Collected: 07/27/07 09:05
Date Received: 07/27/07
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/07/07 21:00
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/08/07

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP PCBs by GC					
Aroclor 1016	ND		ug/l	2.50	1
Aroclor 1221	ND		ug/l	2.50	1
Aroclor 1232	ND		ug/l	2.50	1
Aroclor 1242	ND		ug/l	2.50	1
Aroclor 1248	ND		ug/l	2.50	1
Aroclor 1254	ND		ug/l	2.50	1
Aroclor 1260	ND		ug/l	2.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	90		30-150	A

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-03
Client ID: SP-D-3-20070727-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Analytical Method: 1,8082
Analytical Date: 08/08/07 10:41
Analyst: JB
Percent Solids: 75%
TCLP Extraction Date: 08/01/07 17:00

Date Collected: 07/27/07 09:10
Date Received: 07/27/07
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/07/07 21:00
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/08/07

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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TCLP PCBs by GC

Aroclor 1016	ND		ug/l	2.50	1
Aroclor 1221	ND		ug/l	2.50	1
Aroclor 1232	ND		ug/l	2.50	1
Aroclor 1242	ND		ug/l	2.50	1
Aroclor 1248	ND		ug/l	2.50	1
Aroclor 1254	ND		ug/l	2.50	1
Aroclor 1260	ND		ug/l	2.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	90		30-150	A

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-04
Client ID: SP-D-4-20070727-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Analytical Method: 1,8082
Analytical Date: 08/08/07 11:10
Analyst: JB
Percent Solids: 77%
TCLP Extraction Date: 08/01/07 17:00

Date Collected: 07/27/07 09:15
Date Received: 07/27/07
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/07/07 21:00
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/08/07

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP PCBs by GC					
Aroclor 1016	ND		ug/l	2.50	1
Aroclor 1221	ND		ug/l	2.50	1
Aroclor 1232	ND		ug/l	2.50	1
Aroclor 1242	ND		ug/l	2.50	1
Aroclor 1248	ND		ug/l	2.50	1
Aroclor 1254	ND		ug/l	2.50	1
Aroclor 1260	ND		ug/l	2.50	1

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

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-05
Client ID: SP-E-1-20070727-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Analytical Method: 1,8082
Analytical Date: 08/08/07 11:39
Analyst: JB
Percent Solids: 78%
TCLP Extraction Date: 08/01/07 17:00

Date Collected: 07/27/07 09:30
Date Received: 07/27/07
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/07/07 21:00
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/08/07

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP PCBs by GC					
Aroclor 1016	ND		ug/l	2.50	1
Aroclor 1221	ND		ug/l	2.50	1
Aroclor 1232	ND		ug/l	2.50	1
Aroclor 1242	ND		ug/l	2.50	1
Aroclor 1248	ND		ug/l	2.50	1
Aroclor 1254	ND		ug/l	2.50	1
Aroclor 1260	ND		ug/l	2.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	93		30-150	A

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-06
 Client ID: SP-E-2-20070727-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil
 Analytical Method: 1,8082
 Analytical Date: 08/08/07 12:07
 Analyst: JB
 Percent Solids: 75%
 TCLP Extraction Date: 08/01/07 17:00

Date Collected: 07/27/07 09:35
 Date Received: 07/27/07
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 08/07/07 21:00
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 08/08/07

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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TCLP PCBs by GC

Aroclor 1016	ND		ug/l	2.50	1
Aroclor 1221	ND		ug/l	2.50	1
Aroclor 1232	ND		ug/l	2.50	1
Aroclor 1242	ND		ug/l	2.50	1
Aroclor 1248	ND		ug/l	2.50	1
Aroclor 1254	ND		ug/l	2.50	1
Aroclor 1260	ND		ug/l	2.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	92		30-150	A

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-07
Client ID: SP-E-3-20070727-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Analytical Method: 1,8082
Analytical Date: 08/08/07 12:36
Analyst: JB
Percent Solids: 76%
TCLP Extraction Date: 08/01/07 17:00

Date Collected: 07/27/07 09:40
Date Received: 07/27/07
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/07/07 21:00
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/08/07

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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TCLP PCBs by GC

Aroclor 1016	ND		ug/l	2.50	1
Aroclor 1221	ND		ug/l	2.50	1
Aroclor 1232	ND		ug/l	2.50	1
Aroclor 1242	ND		ug/l	2.50	1
Aroclor 1248	ND		ug/l	2.50	1
Aroclor 1254	ND		ug/l	2.50	1
Aroclor 1260	ND		ug/l	2.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	85		30-150	A

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-08
Client ID: SP-E-4-20070727-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Analytical Method: 1,8082
Analytical Date: 08/08/07 13:04
Analyst: JB
Percent Solids: 74%
TCLP Extraction Date: 08/01/07 17:00

Date Collected: 07/27/07 09:45
Date Received: 07/27/07
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/07/07 21:00
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/08/07

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
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TCLP PCBs by GC

Aroclor 1016	ND		ug/l	2.50	1
Aroclor 1221	ND		ug/l	2.50	1
Aroclor 1232	ND		ug/l	2.50	1
Aroclor 1242	ND		ug/l	2.50	1
Aroclor 1248	ND		ug/l	2.50	1
Aroclor 1254	ND		ug/l	2.50	1
Aroclor 1260	ND		ug/l	2.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	90		30-150	A

Project Name: NA SOIL 2007
Project Number: 0051545

Lab Number: L0710794
Report Date: 08/09/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8082
Analytical Date: 08/06/07 23:12
Analyst: SS
TCLP Extraction Date: 08/01/07 17:00

Extraction Method: EPA 3510C
Extraction Date: 08/03/07 15:15
Cleanup Method1: EPA 3665A
Cleanup Date1: 08/06/07

Parameter	Result	Qualifier	Units	RDL
TCLP PCBs by GC for sample(s): 01 Batch: WG289455-1				
Aroclor 1016	ND		ug/l	2.50
Aroclor 1221	ND		ug/l	2.50
Aroclor 1232	ND		ug/l	2.50
Aroclor 1242	ND		ug/l	2.50
Aroclor 1248	ND		ug/l	2.50
Aroclor 1254	ND		ug/l	2.50
Aroclor 1260	ND		ug/l	2.50

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	61		30-150	A

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082
 Analytical Date: 08/08/07 08:18
 Analyst: JB
 TCLP Extraction Date: 08/06/07 16:15

Extraction Method: EPA 3510C
 Extraction Date: 08/07/07 21:00
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 08/08/07

Parameter	Result	Qualifier	Units	RDL
TCLP PCBs by GC for sample(s): 02-08 Batch: WG289864-1				
Aroclor 1016	ND		ug/l	2.50
Aroclor 1221	ND		ug/l	2.50
Aroclor 1232	ND		ug/l	2.50
Aroclor 1242	ND		ug/l	2.50
Aroclor 1248	ND		ug/l	2.50
Aroclor 1254	ND		ug/l	2.50
Aroclor 1260	ND		ug/l	2.50

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	96		30-150	A

**Matrix Spike Analysis
Batch Quality Control**

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

Parameter	Native Sample	MS Added	MS Found	MS		MSD		Recovery		
				%Recovery	MSD Found	%Recovery	Limits	RPD	RPD Limits	
TCLP PCBs by GC Associated sample(s): 01 QC Batch ID: WG289455-3 WG289455-4 QC Sample: L0710794-01 Client ID: SP-D-1-20070727-01										
Aroclor 1016	ND	15.6	13.2	84	14.1	90	40-140	7	30	
Aroclor 1260	ND	15.6	16.3	104	17.2	110	40-140	6	30	

Surrogate	MS		MSD		Acceptance Criteria	Column
	% Recovery	Qualifier	% Recovery	Qualifier		
2,4,5,6-Tetrachloro-m-xylene	73		79		30-150	A
Decachlorobiphenyl	57		57		30-150	A

Matrix Spike Analysis Batch Quality Control

Project Name: NA SOIL 2007

Project Number: 0051545

Lab Number: L0710794

Report Date: 08/09/07

Parameter	Native Sample	MS Added	MS Found	MS		MSD		Recovery Limits	RPD	RPD Limits
				%Recovery	MSD Found	%Recovery				
TCLP PCBs by GC Associated sample(s): 02-08 QC Batch ID: WG289864-3 WG289864-4 QC Sample: L0710794-03 Client ID: SP-D-3-20070727-01										
Aroclor 1016	ND	15.6	12.1	77	12.2	78	40-140	1	30	
Aroclor 1260	ND	15.6	16.1	103	15.9	102	40-140	1	30	

Surrogate	MS		MSD		Acceptance Criteria	Column
	% Recovery	Qualifier	% Recovery	Qualifier		
2,4,5,6-Tetrachloro-m-xylene	74		80		30-150	A
Decachlorobiphenyl	94		96		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: NA SOIL 2007

Project Number: 0051545

Lab Number: L0710794

Report Date: 08/09/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
TCLP PCBs by GC Associated sample(s): 01 Batch: WG289455-2					
Aroclor 1016	97	-	40-140	-	
Aroclor 1260	121	-	40-140	-	

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

TCLP PCBs by GC Associated sample(s): 02-08 Batch: WG289864-2					
Aroclor 1016	81	-	40-140	-	
Aroclor 1260	106	-	40-140	-	

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83				30-150	A
Decachlorobiphenyl	100				30-150	A

PESTICIDES

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-01
 Client ID: SP-D-1-20070727-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil
 Analytical Method: 1,8082/8081
 Analytical Date: 08/04/07 15:18
 Analyst: JB
 Percent Solids: 75%
 TCLP Extraction Date: 08/01/07 17:00

Date Collected: 07/27/07 09:00
 Date Received: 07/27/07
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 08/02/07 16:40
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 08/03/07

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Pesticides by GC					
Lindane	ND		ug/l	0.100	1
Heptachlor	ND		ug/l	0.100	1
Heptachlor epoxide	ND		ug/l	0.100	1
Endrin	ND		ug/l	0.200	1
Methoxychlor	ND		ug/l	1.00	1
Toxaphene	ND		ug/l	1.00	1
Chlordane	ND		ug/l	1.00	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	60		30-150	A

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-02 RE
 Client ID: SP-D-2-20070727-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil
 Analytical Method: 1,8082/8081
 Analytical Date: 08/07/07 12:23
 Analyst: JB
 Percent Solids: 74%
 TCLP Extraction Date: 08/01/07 17:00

Date Collected: 07/27/07 09:05
 Date Received: 07/27/07
 Field Prep: Not Specified
 Extraction Method: EPA 3510C
 Extraction Date: 08/06/07 13:40
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 08/07/07

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Pesticides by GC					
Lindane	ND		ug/l	0.100	1
Heptachlor	ND		ug/l	0.100	1
Heptachlor epoxide	ND		ug/l	0.100	1
Endrin	ND		ug/l	0.200	1
Methoxychlor	ND		ug/l	1.00	1
Toxaphene	ND		ug/l	1.00	1
Chlordane	ND		ug/l	1.00	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	56		30-150	A

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-03
Client ID: SP-D-3-20070727-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Anaytical Method: 1,8082/8081
Analytical Date: 08/04/07 16:15
Analyst: JB
Percent Solids: 75%
TCLP Extraction Date: 08/01/07 17:00

Date Collected: 07/27/07 09:10
Date Received: 07/27/07
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/02/07 16:40
Cleanup Method1: EPA 3620B
Cleanup Date1: 08/03/07

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Pesticides by GC					
Lindane	ND		ug/l	0.100	1
Heptachlor	ND		ug/l	0.100	1
Heptachlor epoxide	ND		ug/l	0.100	1
Endrin	ND		ug/l	0.200	1
Methoxychlor	ND		ug/l	1.00	1
Toxaphene	ND		ug/l	1.00	1
Chlordane	ND		ug/l	1.00	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	57		30-150	A

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-04
Client ID: SP-D-4-20070727-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Anaytical Method: 1,8082/8081
Analytical Date: 08/04/07 16:44
Analyst: JB
Percent Solids: 77%
TCLP Extraction Date: 08/01/07 17:00

Date Collected: 07/27/07 09:15
Date Received: 07/27/07
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/02/07 16:40
Cleanup Method1: EPA 3620B
Cleanup Date1: 08/03/07

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Pesticides by GC					
Lindane	ND		ug/l	0.100	1
Heptachlor	ND		ug/l	0.100	1
Heptachlor epoxide	ND		ug/l	0.100	1
Endrin	ND		ug/l	0.200	1
Methoxychlor	ND		ug/l	1.00	1
Toxaphene	ND		ug/l	1.00	1
Chlordane	ND		ug/l	1.00	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	55		30-150	A

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-05
Client ID: SP-E-1-20070727-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Anaytical Method: 1,8082/8081
Analytical Date: 08/04/07 17:13
Analyst: JB
Percent Solids: 78%
TCLP Extraction Date: 08/01/07 17:00

Date Collected: 07/27/07 09:30
Date Received: 07/27/07
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/02/07 16:40
Cleanup Method1: EPA 3620B
Cleanup Date1: 08/03/07

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Pesticides by GC					
Lindane	ND		ug/l	0.100	1
Heptachlor	ND		ug/l	0.100	1
Heptachlor epoxide	ND		ug/l	0.100	1
Endrin	ND		ug/l	0.200	1
Methoxychlor	ND		ug/l	1.00	1
Toxaphene	ND		ug/l	1.00	1
Chlordane	ND		ug/l	1.00	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	60		30-150	A

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-06
Client ID: SP-E-2-20070727-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Anaytical Method: 1,8082/8081
Analytical Date: 08/04/07 17:41
Analyst: JB
Percent Solids: 75%
TCLP Extraction Date: 08/01/07 17:00

Date Collected: 07/27/07 09:35
Date Received: 07/27/07
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/02/07 16:40
Cleanup Method1: EPA 3620B
Cleanup Date1: 08/03/07

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Pesticides by GC					
Lindane	ND		ug/l	0.100	1
Heptachlor	ND		ug/l	0.100	1
Heptachlor epoxide	ND		ug/l	0.100	1
Endrin	ND		ug/l	0.200	1
Methoxychlor	ND		ug/l	1.00	1
Toxaphene	ND		ug/l	1.00	1
Chlordane	ND		ug/l	1.00	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	63		30-150	A

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-07
Client ID: SP-E-3-20070727-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Anaytical Method: 1,8082/8081
Analytical Date: 08/04/07 18:39
Analyst: JB
Percent Solids: 76%
TCLP Extraction Date: 08/01/07 17:00

Date Collected: 07/27/07 09:40
Date Received: 07/27/07
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/02/07 16:40
Cleanup Method1: EPA 3620B
Cleanup Date1: 08/03/07

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Pesticides by GC					
Lindane	ND		ug/l	0.100	1
Heptachlor	ND		ug/l	0.100	1
Heptachlor epoxide	ND		ug/l	0.100	1
Endrin	ND		ug/l	0.200	1
Methoxychlor	ND		ug/l	1.00	1
Toxaphene	ND		ug/l	1.00	1
Chlordane	ND		ug/l	1.00	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	57		30-150	A

Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-08
Client ID: SP-E-4-20070727-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil
Anaytical Method: 1,8082/8081
Analytical Date: 08/04/07 19:08
Analyst: JB
Percent Solids: 74%
TCLP Extraction Date: 08/01/07 17:00

Date Collected: 07/27/07 09:45
Date Received: 07/27/07
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/02/07 16:40
Cleanup Method1: EPA 3620B
Cleanup Date1: 08/03/07

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
TCLP Pesticides by GC					
Lindane	ND		ug/l	0.100	1
Heptachlor	ND		ug/l	0.100	1
Heptachlor epoxide	ND		ug/l	0.100	1
Endrin	ND		ug/l	0.200	1
Methoxychlor	ND		ug/l	1.00	1
Toxaphene	ND		ug/l	1.00	1
Chlordane	ND		ug/l	1.00	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	61		30-150	A

Project Name: NA SOIL 2007
Project Number: 0051545

Lab Number: L0710794
Report Date: 08/09/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8082/8081
Analytical Date: 08/04/07 13:23
Analyst: JB
TCLP Extraction Date: 08/01/07 17:00

Extraction Method: EPA 3510C
Extraction Date: 08/02/07 16:40
Cleanup Method1: EPA 3620B
Cleanup Date1: 08/03/07

Parameter	Result	Qualifier	Units	RDL
TCLP Pesticides by GC for sample(s): 01,03-08 Batch: WG289350-1				
Lindane	ND		ug/l	0.100
Heptachlor	ND		ug/l	0.100
Heptachlor epoxide	ND		ug/l	0.100
Endrin	ND		ug/l	0.200
Methoxychlor	ND		ug/l	1.00
Toxaphene	ND		ug/l	1.00
Chlordane	ND		ug/l	1.00

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	62		30-150	A

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082/8081
 Analytical Date: 08/07/07 09:30
 Analyst: JB
 TCLP Extraction Date: 08/03/07 17:15

Extraction Method: EPA 3510C
 Extraction Date: 08/06/07 13:40
 Cleanup Method1: EPA 3620B
 Cleanup Date1: 08/07/07

Parameter	Result	Qualifier	Units	RDL
TCLP Pesticides by GC for sample(s): 02 Batch: WG289644-1				
Lindane	ND		ug/l	0.100
Heptachlor	ND		ug/l	0.100
Heptachlor epoxide	ND		ug/l	0.100
Endrin	ND		ug/l	0.200
Methoxychlor	ND		ug/l	1.00
Toxaphene	ND		ug/l	1.00
Chlordane	ND		ug/l	1.00

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: NA SOIL 2007

Project Number: 0051545

Lab Number: L0710794

Report Date: 08/09/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
TCLP Pesticides by GC Associated sample(s): 01,03-08 Batch: WG289350-2					
Lindane	79	-	30-150	-	
Heptachlor	66	-	30-150	-	
Heptachlor epoxide	78	-	30-150	-	
Endrin	91	-	30-150	-	
Methoxychlor	74	-	30-150	-	

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55				30-150	A
Decachlorobiphenyl	59				30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: NA SOIL 2007

Project Number: 0051545

Lab Number: L0710794

Report Date: 08/09/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
TCLP Pesticides by GC Associated sample(s): 02 Batch: WG289644-2					
Lindane	62	-	30-150	-	
Heptachlor	54	-	30-150	-	
Heptachlor epoxide	66	-	30-150	-	
Endrin	74	-	30-150	-	
Methoxychlor	67	-	30-150	-	

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46				30-150	A
Decachlorobiphenyl	54				30-150	A

**Matrix Spike Analysis
Batch Quality Control**

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

Parameter	Native Sample	MS Added	MS Found	MS		MSD		Recovery Limits	RPD	RPD Limits
				%Recovery	MSD Found	%Recovery				
TCLP Pesticides by GC Associated sample(s): 01,03-08 QC Batch ID: WG289350-3 WG289350-4 QC Sample: L0710794-01 Client ID: SP-D-1-20070727-01										
Lindane	ND	0.781	0.534	68	0.643	82		30-150	19	30
Heptachlor	ND	0.781	0.454	58	0.466	60		30-150	3	30
Heptachlor epoxide	ND	0.781	0.559	72	0.626	80		30-150	11	30
Endrin	ND	0.781	0.666	85	0.723	92		30-150	8	30
Methoxychlor	ND	0.781	0.561J	72	0.572J	73		30-150	1	30

Surrogate	MS		MSD		Acceptance Criteria	Column
	% Recovery	Qualifier	% Recovery	Qualifier		
2,4,5,6-Tetrachloro-m-xylene	57		52		30-150	A
Decachlorobiphenyl	58		57		30-150	A

**Matrix Spike Analysis
Batch Quality Control**

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

Parameter	Native Sample	MS Added	MS		MSD		Recovery Limits	RPD	RPD Limits
			MS Found	%Recovery	MSD Found	%Recovery			
TCLP Pesticides by GC Associated sample(s): 02 QC Batch ID: WG289644-3 WG289644-4 QC Sample: L0711139-01 Client ID: MS Sample									
Lindane	ND	0.781	0.419	54	0.523	67	30-150	21	30
Heptachlor	ND	0.781	0.384	49	0.477	61	30-150	22	30
Heptachlor epoxide	ND	0.781	0.424	54	0.512	66	30-150	20	30
Endrin	ND	0.781	0.461	59	0.555	71	30-150	18	30
Methoxychlor	ND	0.781	0.399J	51	0.48J	61	30-150	18	30

Surrogate	MS		MSD		Acceptance Criteria	Column
	% Recovery	Qualifier	% Recovery	Qualifier		
2,4,5,6-Tetrachloro-m-xylene	47		55		30-150	A
Decachlorobiphenyl	41		45		30-150	A

METALS



Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-01
 Client ID: SP-D-1-20070727-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil
 Percent Solids: 75%

Date Collected: 07/27/07 09:00
 Date Received: 07/27/07
 Field Prep: Not Specified
 TCLP Extraction Date: 08/01/07 17:00

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals										
Arsenic, TCLP	ND		mg/l	1.0	1	08/02/07 12:20	08/02/07 15:05	EPA 3015	1,6010B	MG
Barium, TCLP	ND		mg/l	0.50	1	08/02/07 12:20	08/02/07 15:05	EPA 3015	1,6010B	MG
Cadmium, TCLP	ND		mg/l	0.10	1	08/02/07 12:20	08/02/07 15:05	EPA 3015	1,6010B	MG
Chromium, TCLP	ND		mg/l	0.20	1	08/02/07 12:20	08/02/07 15:05	EPA 3015	1,6010B	MG
Lead, TCLP	ND		mg/l	0.50	1	08/02/07 12:20	08/02/07 15:05	EPA 3015	1,6010B	MG
Mercury, TCLP	ND		mg/l	0.0010	1	08/02/07 17:00	08/03/07 10:21	EPA 7470A	1,7470A	DM
Selenium, TCLP	ND		mg/l	0.50	1	08/02/07 12:20	08/02/07 15:05	EPA 3015	1,6010B	MG
Silver, TCLP	ND		mg/l	0.10	1	08/02/07 12:20	08/02/07 15:05	EPA 3015	1,6010B	MG



Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-02
 Client ID: SP-D-2-20070727-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil
 Percent Solids: 74%

Date Collected: 07/27/07 09:05
 Date Received: 07/27/07
 Field Prep: Not Specified
 TCLP Extraction Date: 08/01/07 17:00

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals										
Arsenic, TCLP	ND		mg/l	1.0	1	08/02/07 12:20	08/02/07 15:17	EPA 3015	1,6010B	MG
Barium, TCLP	ND		mg/l	0.50	1	08/02/07 12:20	08/02/07 15:17	EPA 3015	1,6010B	MG
Cadmium, TCLP	ND		mg/l	0.10	1	08/02/07 12:20	08/02/07 15:17	EPA 3015	1,6010B	MG
Chromium, TCLP	ND		mg/l	0.20	1	08/02/07 12:20	08/02/07 15:17	EPA 3015	1,6010B	MG
Lead, TCLP	ND		mg/l	0.50	1	08/02/07 12:20	08/02/07 15:17	EPA 3015	1,6010B	MG
Mercury, TCLP	ND		mg/l	0.0010	1	08/02/07 17:00	08/03/07 10:23	EPA 7470A	1,7470A	DM
Selenium, TCLP	ND		mg/l	0.50	1	08/02/07 12:20	08/02/07 15:17	EPA 3015	1,6010B	MG
Silver, TCLP	ND		mg/l	0.10	1	08/02/07 12:20	08/02/07 15:17	EPA 3015	1,6010B	MG



Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-03
 Client ID: SP-D-3-20070727-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil
 Percent Solids: 75%

Date Collected: 07/27/07 09:10
 Date Received: 07/27/07
 Field Prep: Not Specified
 TCLP Extraction Date: 08/01/07 17:00

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals										
Arsenic, TCLP	ND		mg/l	1.0	1	08/02/07 12:20	08/02/07 15:19	EPA 3015	1,6010B	MG
Barium, TCLP	ND		mg/l	0.50	1	08/02/07 12:20	08/02/07 15:19	EPA 3015	1,6010B	MG
Cadmium, TCLP	ND		mg/l	0.10	1	08/02/07 12:20	08/02/07 15:19	EPA 3015	1,6010B	MG
Chromium, TCLP	ND		mg/l	0.20	1	08/02/07 12:20	08/02/07 15:19	EPA 3015	1,6010B	MG
Lead, TCLP	ND		mg/l	0.50	1	08/02/07 12:20	08/02/07 15:19	EPA 3015	1,6010B	MG
Mercury, TCLP	ND		mg/l	0.0010	1	08/02/07 17:00	08/03/07 10:25	EPA 7470A	1,7470A	DM
Selenium, TCLP	ND		mg/l	0.50	1	08/02/07 12:20	08/02/07 15:19	EPA 3015	1,6010B	MG
Silver, TCLP	ND		mg/l	0.10	1	08/02/07 12:20	08/02/07 15:19	EPA 3015	1,6010B	MG



Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-04
 Client ID: SP-D-4-20070727-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil
 Percent Solids: 77%

Date Collected: 07/27/07 09:15
 Date Received: 07/27/07
 Field Prep: Not Specified
 TCLP Extraction Date: 08/01/07 17:00

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals										
Arsenic, TCLP	ND		mg/l	1.0	1	08/02/07 12:20	08/02/07 15:22	EPA 3015	1,6010B	MG
Barium, TCLP	ND		mg/l	0.50	1	08/02/07 12:20	08/02/07 15:22	EPA 3015	1,6010B	MG
Cadmium, TCLP	ND		mg/l	0.10	1	08/02/07 12:20	08/02/07 15:22	EPA 3015	1,6010B	MG
Chromium, TCLP	ND		mg/l	0.20	1	08/02/07 12:20	08/02/07 15:22	EPA 3015	1,6010B	MG
Lead, TCLP	ND		mg/l	0.50	1	08/02/07 12:20	08/02/07 15:22	EPA 3015	1,6010B	MG
Mercury, TCLP	ND		mg/l	0.0010	1	08/02/07 17:00	08/03/07 10:30	EPA 7470A	1,7470A	DM
Selenium, TCLP	ND		mg/l	0.50	1	08/02/07 12:20	08/02/07 15:22	EPA 3015	1,6010B	MG
Silver, TCLP	ND		mg/l	0.10	1	08/02/07 12:20	08/02/07 15:22	EPA 3015	1,6010B	MG



Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-05
 Client ID: SP-E-1-20070727-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil
 Percent Solids: 78%

Date Collected: 07/27/07 09:30
 Date Received: 07/27/07
 Field Prep: Not Specified
 TCLP Extraction Date: 08/01/07 17:00

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals										
Arsenic, TCLP	ND		mg/l	1.0	1	08/02/07 12:20	08/02/07 15:25	EPA 3015	1,6010B	MG
Barium, TCLP	ND		mg/l	0.50	1	08/02/07 12:20	08/02/07 15:25	EPA 3015	1,6010B	MG
Cadmium, TCLP	ND		mg/l	0.10	1	08/02/07 12:20	08/02/07 15:25	EPA 3015	1,6010B	MG
Chromium, TCLP	ND		mg/l	0.20	1	08/02/07 12:20	08/02/07 15:25	EPA 3015	1,6010B	MG
Lead, TCLP	ND		mg/l	0.50	1	08/02/07 12:20	08/02/07 15:25	EPA 3015	1,6010B	MG
Mercury, TCLP	ND		mg/l	0.0010	1	08/02/07 17:00	08/03/07 10:32	EPA 7470A	1,7470A	DM
Selenium, TCLP	ND		mg/l	0.50	1	08/02/07 12:20	08/02/07 15:25	EPA 3015	1,6010B	MG
Silver, TCLP	ND		mg/l	0.10	1	08/02/07 12:20	08/02/07 15:25	EPA 3015	1,6010B	MG



Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-06
 Client ID: SP-E-2-20070727-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil
 Percent Solids: 75%

Date Collected: 07/27/07 09:35
 Date Received: 07/27/07
 Field Prep: Not Specified
 TCLP Extraction Date: 08/01/07 17:00

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals										
Arsenic, TCLP	ND		mg/l	1.0	1	08/02/07 12:20	08/02/07 15:28	EPA 3015	1,6010B	MG
Barium, TCLP	ND		mg/l	0.50	1	08/02/07 12:20	08/02/07 15:28	EPA 3015	1,6010B	MG
Cadmium, TCLP	ND		mg/l	0.10	1	08/02/07 12:20	08/02/07 15:28	EPA 3015	1,6010B	MG
Chromium, TCLP	ND		mg/l	0.20	1	08/02/07 12:20	08/02/07 15:28	EPA 3015	1,6010B	MG
Lead, TCLP	ND		mg/l	0.50	1	08/02/07 12:20	08/02/07 15:28	EPA 3015	1,6010B	MG
Mercury, TCLP	ND		mg/l	0.0010	1	08/02/07 17:00	08/03/07 10:34	EPA 7470A	1,7470A	DM
Selenium, TCLP	ND		mg/l	0.50	1	08/02/07 12:20	08/02/07 15:28	EPA 3015	1,6010B	MG
Silver, TCLP	ND		mg/l	0.10	1	08/02/07 12:20	08/02/07 15:28	EPA 3015	1,6010B	MG



Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-07
 Client ID: SP-E-3-20070727-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil
 Percent Solids: 76%

Date Collected: 07/27/07 09:40
 Date Received: 07/27/07
 Field Prep: Not Specified
 TCLP Extraction Date: 08/01/07 17:00

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals										
Arsenic, TCLP	ND		mg/l	1.0	1	08/02/07 12:20	08/02/07 15:31	EPA 3015	1,6010B	MG
Barium, TCLP	ND		mg/l	0.50	1	08/02/07 12:20	08/02/07 15:31	EPA 3015	1,6010B	MG
Cadmium, TCLP	ND		mg/l	0.10	1	08/02/07 12:20	08/02/07 15:31	EPA 3015	1,6010B	MG
Chromium, TCLP	ND		mg/l	0.20	1	08/02/07 12:20	08/02/07 15:31	EPA 3015	1,6010B	MG
Lead, TCLP	ND		mg/l	0.50	1	08/02/07 12:20	08/02/07 15:31	EPA 3015	1,6010B	MG
Mercury, TCLP	ND		mg/l	0.0010	1	08/02/07 17:00	08/03/07 10:36	EPA 7470A	1,7470A	DM
Selenium, TCLP	ND		mg/l	0.50	1	08/02/07 12:20	08/02/07 15:31	EPA 3015	1,6010B	MG
Silver, TCLP	0.13		mg/l	0.10	1	08/02/07 12:20	08/02/07 15:31	EPA 3015	1,6010B	MG



Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-08
 Client ID: SP-E-4-20070727-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil
 Percent Solids: 74%

Date Collected: 07/27/07 09:45
 Date Received: 07/27/07
 Field Prep: Not Specified
 TCLP Extraction Date: 08/01/07 17:00

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals										
Arsenic, TCLP	ND		mg/l	1.0	1	08/02/07 12:20	08/02/07 15:33	EPA 3015	1,6010B	MG
Barium, TCLP	ND		mg/l	0.50	1	08/02/07 12:20	08/02/07 15:33	EPA 3015	1,6010B	MG
Cadmium, TCLP	ND		mg/l	0.10	1	08/02/07 12:20	08/02/07 15:33	EPA 3015	1,6010B	MG
Chromium, TCLP	ND		mg/l	0.20	1	08/02/07 12:20	08/02/07 15:33	EPA 3015	1,6010B	MG
Lead, TCLP	ND		mg/l	0.50	1	08/02/07 12:20	08/02/07 15:33	EPA 3015	1,6010B	MG
Mercury, TCLP	ND		mg/l	0.0010	1	08/02/07 17:00	08/03/07 10:38	EPA 7470A	1,7470A	DM
Selenium, TCLP	ND		mg/l	0.50	1	08/02/07 12:20	08/02/07 15:33	EPA 3015	1,6010B	MG
Silver, TCLP	ND		mg/l	0.10	1	08/02/07 12:20	08/02/07 15:33	EPA 3015	1,6010B	MG



Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals for sample(s): 01-08 Batch: WG289277-3								
Arsenic, TCLP	ND	mg/l	1.0	1	08/02/07 12:20	08/02/07 14:38	1,6010B	MG
Barium, TCLP	ND	mg/l	0.50	1	08/02/07 12:20	08/02/07 14:38	1,6010B	MG
Cadmium, TCLP	ND	mg/l	0.10	1	08/02/07 12:20	08/02/07 14:38	1,6010B	MG
Chromium, TCLP	ND	mg/l	0.20	1	08/02/07 12:20	08/02/07 14:38	1,6010B	MG
Lead, TCLP	ND	mg/l	0.50	1	08/02/07 12:20	08/02/07 14:38	1,6010B	MG
Selenium, TCLP	ND	mg/l	0.50	1	08/02/07 12:20	08/02/07 14:38	1,6010B	MG

Prep Information

Digestion Method: EPA 3015
TCLP Extraction Date: 08/01/07 17:00

Parameter	Result Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals for sample(s): 01-08 Batch: WG289277-3								
Silver, TCLP	ND	mg/l	0.10	1	08/02/07 12:20	08/02/07 14:38	1,6010B	MG

Prep Information

Digestion Method: EPA 3015
TCLP Extraction Date: 08/01/07 17:00

Parameter	Result Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals for sample(s): 01-08 Batch: WG289437-4								
Mercury, TCLP	ND	mg/l	0.0010	1	08/02/07 17:00	08/03/07 10:08	1,7470A	DM

Prep Information

Digestion Method: EPA 7470A
TCLP Extraction Date: 08/01/07 17:00



Lab Control Sample Analysis

Batch Quality Control

Project Name: NA SOIL 2007

Project Number: 0051545

Lab Number: L0710794

Report Date: 08/09/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
TCLP Metals Associated sample(s): 01-08 Batch: WG289277-4					
Arsenic, TCLP	110	-	75-125	-	20
Barium, TCLP	98	-	75-125	-	20
Cadmium, TCLP	110	-	75-125	-	20
Chromium, TCLP	100	-	75-125	-	20
Lead, TCLP	100	-	75-125	-	20
Selenium, TCLP	105	-	75-125	-	20
Silver, TCLP	110	-	75-125	-	20
TCLP Metals Associated sample(s): 01-08 Batch: WG289437-1					
Mercury, TCLP	101	-		-	

Matrix Spike Analysis Batch Quality Control

Project Name: NA SOIL 2007

Project Number: 0051545

Lab Number: L0710794

Report Date: 08/09/07

Parameter	Native Sample	MS Added	MS Found	MS		MSD		Recovery Limits	RPD	RPD Limits
				%Recovery	MSD Found	%Recovery				
TCLP Metals Associated sample(s): 01-08 QC Batch ID: WG289277-2 QC Sample: L0710764-01 Client ID: MS Sample										
Arsenic, TCLP	ND	10	11	110	-	-	75-125	-	20	
Barium, TCLP	ND	100	100	100	-	-	75-125	-	20	
Cadmium, TCLP	ND	10	11	110	-	-	75-125	-	20	
Chromium, TCLP	ND	10	10	100	-	-	75-125	-	20	
Lead, TCLP	0.72	10	11	103	-	-	75-125	-	20	
Selenium, TCLP	ND	20	22	110	-	-	75-125	-	20	
Silver, TCLP	ND	10	11	110	-	-	75-125	-	20	
TCLP Metals Associated sample(s): 01-08 QC Batch ID: WG289437-2 QC Sample: L0710792-02 Client ID: MS Sample										
Mercury, TCLP	0.0011	0.005	0.0067	113	-	-		-		

Lab Duplicate Analysis

Batch Quality Control

Project Name: NA SOIL 2007

Project Number: 0051545

Lab Number: L0710794

Report Date: 08/09/07

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
TCLP Metals Associated sample(s): 01-08 QC Batch ID: WG289277-1 QC Sample: L0710764-01 Client ID: DUP Sample					
Lead, TCLP	0.72	0.71	mg/l	1	20
TCLP Metals Associated sample(s): 01-08 QC Batch ID: WG289437-3 QC Sample: L0710792-02 Client ID: DUP Sample					
Mercury, TCLP	0.0011	0.0011	mg/l	0	

INORGANICS & MISCELLANEOUS

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-01
 Client ID: SP-D-1-20070727-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil

Date Collected: 07/27/07 09:00
 Date Received: 07/27/07
 Field Prep: Not Specified

Test Material Information

Source of Material: Unknown
 Description of Material: Non-Metallic - Damp Clay
 Particle Size: Medium
 Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids				
Ignitability	NI	07/31/07 23:20	1,1030	TH



Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-02
 Client ID: SP-D-2-20070727-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil

Date Collected: 07/27/07 09:05
 Date Received: 07/27/07
 Field Prep: Not Specified

Test Material Information

Source of Material: Unknown
 Description of Material: Non-Metallic - Wet Clay
 Particle Size: Medium
 Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids				
Ignitability	NI	07/31/07 23:20	1,1030	TH



Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-03
 Client ID: SP-D-3-20070727-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil

Date Collected: 07/27/07 09:10
 Date Received: 07/27/07
 Field Prep: Not Specified

Test Material Information

Source of Material: Unknown
 Description of Material: Non-Metallic - Damp Clay
 Particle Size: Coarse
 Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids				
Ignitability	NI	07/31/07 23:20	1,1030	TH



Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-04
 Client ID: SP-D-4-20070727-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil

Date Collected: 07/27/07 09:15
 Date Received: 07/27/07
 Field Prep: Not Specified

Test Material Information

Source of Material: Unknown
 Description of Material: Non-Metallic - Damp Clay
 Particle Size: Medium
 Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids				
Ignitability	NI	07/31/07 23:20	1,1030	TH



Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-05
 Client ID: SP-E-1-20070727-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil

Date Collected: 07/27/07 09:30
 Date Received: 07/27/07
 Field Prep: Not Specified

Test Material Information

Source of Material: Unknown
 Description of Material: Non-Metallic - Dry Clay
 Particle Size: Medium
 Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids				
Ignitability	NI	07/31/07 23:20	1,1030	TH



Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-06
 Client ID: SP-E-2-20070727-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil

Date Collected: 07/27/07 09:35
 Date Received: 07/27/07
 Field Prep: Not Specified

Test Material Information

Source of Material: Unknown
 Description of Material: Non-Metallic - Damp Clay
 Particle Size: Medium
 Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids				
Ignitability	NI	07/31/07 23:20	1,1030	TH



Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-07
 Client ID: SP-E-3-20070727-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil

Date Collected: 07/27/07 09:40
 Date Received: 07/27/07
 Field Prep: Not Specified

Test Material Information

Source of Material: Unknown
 Description of Material: Non-Metallic - Dry Clay
 Particle Size: Medium
 Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids				
Ignitability	NI	07/31/07 23:20	1,1030	TH



Project Name: NA SOIL 2007**Project Number:** 0051545**Lab Number:** L0710794**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-08
 Client ID: SP-E-4-20070727-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil

Date Collected: 07/27/07 09:45
 Date Received: 07/27/07
 Field Prep: Not Specified

Test Material Information

Source of Material: Unknown
 Description of Material: Non-Metallic - Damp Clay
 Particle Size: Medium
 Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids				
Ignitability	NI	07/31/07 23:20	1,1030	TH



Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-01
 Client ID: SP-D-1-20070727-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil

Date Collected: 07/27/07 09:00
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry									
Solids, Total	75		%	0.10	1	-	07/30/07 17:00	30,2540G	NM
pH	5.8		SU	-	1	-	08/01/07 18:55	1,9045C	LR
Cyanide, Reactive	ND		mg/kg	9.0	.9	-	08/02/07 16:30	1,7.3	HG
Sulfide, Reactive	ND		mg/kg	9.0	.9	-	08/02/07 16:30	1,7.3	HG



Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-02
 Client ID: SP-D-2-20070727-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil

Date Collected: 07/27/07 09:05
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry									
Solids, Total	74		%	0.10	1	-	07/30/07 17:00	30,2540G	NM
pH	6.1		SU	-	1	-	08/01/07 18:55	1,9045C	LR
Cyanide, Reactive	ND		mg/kg	9.0	.9	-	08/02/07 16:30	1,7.3	HG
Sulfide, Reactive	ND		mg/kg	9.0	.9	-	08/02/07 16:30	1,7.3	HG



Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-03
 Client ID: SP-D-3-20070727-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil

Date Collected: 07/27/07 09:10
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry									
Solids, Total	75		%	0.10	1	-	07/30/07 17:00	30,2540G	NM
pH	7.2		SU	-	1	-	08/01/07 18:55	1,9045C	LR
Cyanide, Reactive	ND		mg/kg	10	1	-	08/02/07 16:30	1,7.3	HG
Sulfide, Reactive	ND		mg/kg	10	1	-	08/02/07 16:30	1,7.3	HG



Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-04
 Client ID: SP-D-4-20070727-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil

Date Collected: 07/27/07 09:15
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry									
Solids, Total	77		%	0.10	1	-	07/30/07 17:00	30,2540G	NM
pH	7.2		SU	-	1	-	08/01/07 18:55	1,9045C	LR
Cyanide, Reactive	ND		mg/kg	10	1	-	08/02/07 16:30	1,7.3	HG
Sulfide, Reactive	ND		mg/kg	10	1	-	08/02/07 16:30	1,7.3	HG



Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-05
 Client ID: SP-E-1-20070727-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil

Date Collected: 07/27/07 09:30
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry									
Solids, Total	78		%	0.10	1	-	07/30/07 17:00	30,2540G	NM
pH	6.7		SU	-	1	-	08/01/07 18:55	1,9045C	LR
Cyanide, Reactive	ND		mg/kg	9.0	.9	-	08/02/07 16:30	1,7.3	HG
Sulfide, Reactive	ND		mg/kg	9.0	.9	-	08/02/07 16:30	1,7.3	HG



Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-06
 Client ID: SP-E-2-20070727-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil

Date Collected: 07/27/07 09:35
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry									
Solids, Total	75		%	0.10	1	-	07/30/07 17:00	30,2540G	NM
pH	6.8		SU	-	1	-	08/01/07 18:55	1,9045C	LR
Cyanide, Reactive	ND		mg/kg	10	1	-	08/02/07 16:30	1,7.3	HG
Sulfide, Reactive	ND		mg/kg	10	1	-	08/02/07 16:30	1,7.3	HG



Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-07
 Client ID: SP-E-3-20070727-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil

Date Collected: 07/27/07 09:40
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry									
Solids, Total	76		%	0.10	1	-	07/30/07 17:00	30,2540G	NM
pH	7.0		SU	-	1	-	08/01/07 18:55	1,9045C	LR
Cyanide, Reactive	ND		mg/kg	10	1	-	08/02/07 16:30	1,7.3	HG
Sulfide, Reactive	ND		mg/kg	10	1	-	08/02/07 16:30	1,7.3	HG



Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

SAMPLE RESULTS

Lab ID: L0710794-08
 Client ID: SP-E-4-20070727-01
 Sample Location: RAYTHEON WAYLAND
 Matrix: Soil

Date Collected: 07/27/07 09:45
 Date Received: 07/27/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry									
Solids, Total	74		%	0.10	1	-	07/30/07 17:00	30,2540G	NM
pH	7.0		SU	-	1	-	08/01/07 18:55	1,9045C	LR
Cyanide, Reactive	ND		mg/kg	10	1	-	08/02/07 16:30	1,7.3	HG
Sulfide, Reactive	ND		mg/kg	10	1	-	08/02/07 16:30	1,7.3	HG



Project Name: NA SOIL 2007**Lab Number:** L0710794**Project Number:** 0051545**Report Date:** 08/09/07**SAMPLE RESULTS**

Lab ID: L0710794-09
Client ID: DUP-001-20070727-01
Sample Location: RAYTHEON WAYLAND
Matrix: Soil

Date Collected: 07/27/07 00:00
Date Received: 07/27/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry									
Solids, Total	75		%	0.10	1	-	07/30/07 17:00	30,2540G	NM



Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry for sample(s): 01-08 Batch: WG289311-1								
Cyanide, Reactive	ND	mg/kg	9.0	.9	-	08/02/07 16:30	1,7.3	HG
General Chemistry for sample(s): 01-08 Batch: WG289312-1								
Sulfide, Reactive	ND	mg/kg	9.0	.9	-	08/02/07 16:30	1,7.3	HG

Lab Control Sample Analysis

Batch Quality Control

Project Name: NA SOIL 2007

Project Number: 0051545

Lab Number: L0710794

Report Date: 08/09/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Associated sample(s): 01-08 Batch: WG289202-1					
pH	100	-		-	
Associated sample(s): 01-08 Batch: WG289311-2					
Cyanide, Reactive	48	-	30-125	-	40
Associated sample(s): 01-08 Batch: WG289312-2					
Sulfide, Reactive	89	-	60-125	-	40

Lab Duplicate Analysis

Batch Quality Control

Project Name: NA SOIL 2007

Project Number: 0051545

Lab Number: L0710794

Report Date: 08/09/07

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Associated sample(s): 01-08 QC Batch ID: WG288827-1 QC Sample: L0710771-01 Client ID: DUP Sample					
Solids, Total	93	93	%	0	20
Associated sample(s): 09 QC Batch ID: WG288981-1 QC Sample: L0709434-84 Client ID: DUP Sample					
Solids, Total	93	93	%	0	20
Associated sample(s): 01-08 QC Batch ID: WG289202-2 QC Sample: L0710794-08 Client ID: SP-E-4-20070727-01					
pH	7.0	7.0	SU	0	
Associated sample(s): 01-08 QC Batch ID: WG289311-3 QC Sample: L0710794-08 Client ID: SP-E-4-20070727-01					
Cyanide, Reactive	ND	ND	mg/kg	NC	40
Associated sample(s): 01-08 QC Batch ID: WG289312-3 QC Sample: L0710794-08 Client ID: SP-E-4-20070727-01					
Sulfide, Reactive	ND	ND	mg/kg	NC	40

Project Name: NA SOIL 2007

Project Number: 0051545

Lab Number: L0710794

Report Date: 08/09/07

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
L0710794-01A	Vial water preserved	A	N/A	2 C	Y	Absent	MCP-8260LW-04
L0710794-01B	Vial MeOH preserved split	A	N/A	2 C	Y	Absent	MCP-8260LW-04
L0710794-01C	Vial Large unpreserved	A	N/A	2 C	Y	Absent	TCLP-EXT-ZHE,TCLP-VOA
L0710794-01D	Plastic 2oz unpreserved for TS	A	N/A	2 C	Y	Absent	TS
L0710794-01E	Amber 250ml unpreserved	A	N/A	2 C	Y	Absent	IGNIT-1030,PH-9045,REACTCN,REACTS
L0710794-01F	Amber 250ml unpreserved	A	N/A	2 C	Y	Absent	-
L0710794-01G	Plastic 250ml HNO3 preserved spl	A	<2	2 C	Y	Absent	AG-CI,AS-CI,BA-CI,CD-CI,CR-CI,HG-C,PB-CI,SE-CI
L0710794-01K	Amber 1000ml unpreserved split	A	=7	2 C	Y	Absent	PEST-TCLP*,TCLP-ABN,TCLP-PCB
L0710794-01L	Amber 1000ml unpreserved split	A	=7	2 C	Y	Absent	PEST-TCLP*,TCLP-ABN,TCLP-PCB
L0710794-02A	Vial water preserved	A	N/A	2 C	Y	Absent	MCP-8260LW-04
L0710794-02B	Vial MeOH preserved split	A	N/A	2 C	Y	Absent	MCP-8260LW-04
L0710794-02C	Vial Large unpreserved	A	N/A	2 C	Y	Absent	TCLP-EXT-ZHE,TCLP-VOA
L0710794-02D	Plastic 2oz unpreserved for TS	A	N/A	2 C	Y	Absent	TS
L0710794-02E	Amber 250ml unpreserved	A	N/A	2 C	Y	Absent	IGNIT-1030,PH-9045,REACTCN,REACTS
L0710794-02F	Amber 250ml unpreserved	A	N/A	2 C	Y	Absent	-
L0710794-02G	Plastic 250ml HNO3 preserved spl	A	<2	2 C	Y	Absent	AG-CI,AS-CI,BA-CI,CD-CI,CR-CI,HG-C,PB-CI,SE-CI
L0710794-02K	Amber 1000ml unpreserved split	A	=7	2 C	Y	Absent	PEST-TCLP*,TCLP-ABN,TCLP-PCB
L0710794-02L	Amber 1000ml unpreserved split	A	=7	2 C	Y	Absent	PEST-TCLP*,TCLP-ABN,TCLP-PCB
L0710794-03A	Vial water preserved	A	N/A	2 C	Y	Absent	MCP-8260LW-04
L0710794-03B	Vial MeOH preserved split	A	N/A	2 C	Y	Absent	MCP-8260LW-04
L0710794-03C	Vial Large unpreserved	A	N/A	2 C	Y	Absent	TCLP-EXT-ZHE,TCLP-VOA
L0710794-03D	Plastic 2oz unpreserved for TS	A	N/A	2 C	Y	Absent	TS
L0710794-03E	Amber 250ml unpreserved	A	N/A	2 C	Y	Absent	IGNIT-1030,PH-9045,REACTCN,REACTS
L0710794-03F	Amber 250ml unpreserved	A	N/A	2 C	Y	Absent	-
L0710794-03G	Plastic 250ml HNO3 preserved spl	A	<2	2 C	Y	Absent	AG-CI,AS-CI,BA-CI,CD-CI,CR-CI,HG-C,PB-CI,SE-CI
L0710794-03K	Amber 1000ml unpreserved split	A	=7	2 C	Y	Absent	PEST-TCLP*,TCLP-ABN,TCLP-PCB

Project Name: NA SOIL 2007

Project Number: 0051545

Lab Number: L0710794

Report Date: 08/09/07

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0710794-03L	Amber 1000ml unpreserved split	A	=7	2 C	Y	Absent	PEST-TCLP*,TCLP-ABN,TCLP-PCB
L0710794-04A	Vial water preserved	A	N/A	2 C	Y	Absent	MCP-8260LW-04
L0710794-04B	Vial MeOH preserved split	A	N/A	2 C	Y	Absent	MCP-8260LW-04
L0710794-04C	Vial Large unpreserved	A	N/A	2 C	Y	Absent	TCLP-EXT-ZHE,TCLP-VOA
L0710794-04D	Plastic 2oz unpreserved for TS	A	N/A	2 C	Y	Absent	TS
L0710794-04E	Amber 250ml unpreserved	A	N/A	2 C	Y	Absent	IGNIT-1030,PH-9045,REACTCN,REACTS
L0710794-04F	Amber 250ml unpreserved	A	N/A	2 C	Y	Absent	-
L0710794-04G	Plastic 250ml HNO3 preserved spl	A	<2	2 C	Y	Absent	AG-CI,AS-CI,BA-CI,CD-CI,CR-CI,HG-C,PB-CI,SE-CI
L0710794-04K	Amber 1000ml unpreserved split	A	=7	2 C	Y	Absent	PEST-TCLP*,TCLP-ABN,TCLP-PCB
L0710794-04L	Amber 1000ml unpreserved split	A	=7	2 C	Y	Absent	PEST-TCLP*,TCLP-ABN,TCLP-PCB
L0710794-05A	Vial water preserved	A	N/A	2 C	Y	Absent	MCP-8260LW-04
L0710794-05B	Vial MeOH preserved split	A	N/A	2 C	Y	Absent	MCP-8260LW-04
L0710794-05C	Vial Large unpreserved	A	N/A	2 C	Y	Absent	TCLP-EXT-ZHE,TCLP-VOA
L0710794-05D	Plastic 2oz unpreserved for TS	A	N/A	2 C	Y	Absent	TS
L0710794-05E	Amber 250ml unpreserved	A	N/A	2 C	Y	Absent	IGNIT-1030,PH-9045,REACTCN,REACTS
L0710794-05F	Amber 250ml unpreserved	A	N/A	2 C	Y	Absent	-
L0710794-05G	Plastic 250ml HNO3 preserved spl	A	<2	2 C	Y	Absent	AG-CI,AS-CI,BA-CI,CD-CI,CR-CI,HG-C,PB-CI,SE-CI
L0710794-05K	Amber 1000ml unpreserved split	A	=7	2 C	Y	Absent	PEST-TCLP*,TCLP-ABN,TCLP-PCB
L0710794-05L	Amber 1000ml unpreserved split	A	=7	2 C	Y	Absent	PEST-TCLP*,TCLP-ABN,TCLP-PCB
L0710794-06A	Vial water preserved	A	N/A	2 C	Y	Absent	MCP-8260LW-04
L0710794-06B	Vial MeOH preserved split	A	N/A	2 C	Y	Absent	MCP-8260LW-04
L0710794-06C	Vial Large unpreserved	A	N/A	2 C	Y	Absent	TCLP-EXT-ZHE,TCLP-VOA
L0710794-06D	Plastic 2oz unpreserved for TS	A	N/A	2 C	Y	Absent	TS
L0710794-06E	Amber 250ml unpreserved	A	N/A	2 C	Y	Absent	IGNIT-1030,PH-9045,REACTCN,REACTS
L0710794-06F	Amber 250ml unpreserved	A	N/A	2 C	Y	Absent	-
L0710794-06G	Plastic 250ml HNO3 preserved spl	A	<2	2 C	Y	Absent	AG-CI,AS-CI,BA-CI,CD-CI,CR-CI,HG-C,PB-CI,SE-CI
L0710794-06K	Amber 1000ml unpreserved split	A	=7	2 C	Y	Absent	PEST-TCLP*,TCLP-ABN,TCLP-PCB
L0710794-06L	Amber 1000ml unpreserved split	A	=7	2 C	Y	Absent	PEST-TCLP*,TCLP-ABN,TCLP-PCB
L0710794-07A	Vial water preserved	A	N/A	2 C	Y	Absent	MCP-8260LW-04
L0710794-07B	Vial MeOH preserved split	A	N/A	2 C	Y	Absent	MCP-8260LW-04
L0710794-07C	Vial Large unpreserved	A	N/A	2 C	Y	Absent	TCLP-EXT-ZHE,TCLP-VOA

Project Name: NA SOIL 2007

Project Number: 0051545

Lab Number: L0710794

Report Date: 08/09/07

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0710794-07D	Plastic 2oz unpreserved for TS	A	N/A	2 C	Y	Absent	TS
L0710794-07E	Amber 250ml unpreserved	A	N/A	2 C	Y	Absent	IGNIT-1030,PH-9045,REACTCN,REACTS
L0710794-07F	Amber 250ml unpreserved	A	N/A	2 C	Y	Absent	-
L0710794-07G	Plastic 250ml HNO3 preserved spl	A	<2	2 C	Y	Absent	AG-CI,AS-CI,BA-CI,CD-CI,CR-CI,HG-C,PB-CI,SE-CI
L0710794-07K	Amber 1000ml unpreserved split	A	=7	2 C	Y	Absent	PEST-TCLP*,TCLP-ABN,TCLP-PCB
L0710794-07L	Amber 1000ml unpreserved split	A	=7	2 C	Y	Absent	PEST-TCLP*,TCLP-ABN,TCLP-PCB
L0710794-08A	Vial water preserved	A	N/A	2 C	Y	Absent	MCP-8260LW-04
L0710794-08B	Vial MeOH preserved split	A	N/A	2 C	Y	Absent	MCP-8260LW-04
L0710794-08C	Vial Large unpreserved	A	N/A	2 C	Y	Absent	TCLP-EXT-ZHE,TCLP-VOA
L0710794-08D	Plastic 2oz unpreserved for TS	A	N/A	2 C	Y	Absent	TS
L0710794-08E	Amber 250ml unpreserved	A	N/A	2 C	Y	Absent	IGNIT-1030,PH-9045,REACTCN,REACTS
L0710794-08F	Amber 250ml unpreserved	A	N/A	2 C	Y	Absent	-
L0710794-08G	Plastic 250ml HNO3 preserved spl	A	<2	2 C	Y	Absent	AG-CI,AS-CI,BA-CI,CD-CI,CR-CI,HG-C,PB-CI,SE-CI
L0710794-08K	Amber 1000ml unpreserved split	A	=7	2 C	Y	Absent	PEST-TCLP*,TCLP-ABN,TCLP-PCB
L0710794-08L	Amber 1000ml unpreserved split	A	=7	2 C	Y	Absent	PEST-TCLP*,TCLP-ABN,TCLP-PCB
L0710794-09A	Vial water preserved	A	N/A	2 C	Y	Absent	MCP-8260LW-04
L0710794-10A	Vial water preserved	A	N/A	2 C	Y	Absent	MCP-8260LW-04

Project Name: NA SOIL 2007
Project Number: 0051545

Lab Number: L0710794
Report Date: 08/09/07

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.
- 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.)

Project Name: NA SOIL 2007

Lab Number: L0710794

Project Number: 0051545

Report Date: 08/09/07

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.

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

Date Recd in Lab: 7/27

ALPHA Job #: 10794

ALPHA
 WESTBORO, MA
 TEL: 508-896-9220
 FAX: 508-896-9193

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

Client: **ERM-BOSTON**

Project Name: **VA Soil Excavation**

Report Information - Data Deliverables

Billing Information

Address: **399 BOSTON ST 6TH FLOOR BOSTON, MA 02116**

Project Location: **RAYNHAM MA**

Project Manager: **JASON FLATTERY**

State/Fed Program: **MA MSCP**

Phone: **(617) 646-7800**

Project Manager: **JASON FLATTERY**

Criteria: **S2-GW-1**

Regulatory Requirements/Report Limits

Fax: **(617) 267-6447**

Turn Around Time

Regulatory Requirements/Report Limits

Regulatory Requirements/Report Limits

Email: **Jason.Flattery@erm.com**

Project Manager: **JASON FLATTERY**

Criteria: **S2-GW-1**

Regulatory Requirements/Report Limits

Other Project Specific Requirements/Comments/Detection Limits:
PLEASE RUN TOTAL SOLIDS FOR ALL SAMPLES

ALPHA Lab ID (Lab Use Only)

ANALYSIS
 PH, REACTIVITY, FLASH, TCLP, PCBs, SVOCs, PEST. HERB.
 TCLP VOA (8260)
 TCLP Pb, Ba, Cd, P, H, Se, 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		Sample Matrix	Sampler's Initials	Container Type		Preservative		Date/Time	Date/Time	Sample Specific Comments
		Date	Time			Moisture	Acid	H ₂ O	None			
10794.1	SP-D-1-20070727-01	7/27/07	09:00	S	JDF	G	G	None	None	7/27/07 13:11	7/27-15:00	65
2	SP-D-2-20070727-01	7/27/07	09:05	S	JDF	G	G	None	None	7/27/07 13:11	7/27-15:00	68
3	SP-D-3-20070727-01	7/27/07	09:10	S	JDF	G	G	None	None	7/27/07 13:11	7/27-15:00	65
4	SP-D-4-20070727-01	7/27/07	09:15	S	JDF	G	G	None	None	7/27/07 13:11	7/27-15:00	65
5	SP-E-1-20070727-01	7/27/07	09:30	S	JDF	G	G	None	None	7/27/07 13:11	7/27-15:00	65
6	SP-E-2-20070727-01	7/27/07	09:35	S	JDF	G	G	None	None	7/27/07 13:11	7/27-15:00	68
7	SP-E-3-20070727-01	7/27/07	09:40	S	JDF	G	G	None	None	7/27/07 13:11	7/27-15:00	65
8	SP-E-4-20070727-01	7/27/07	09:45	S	JDF	G	G	None	None	7/27/07 13:11	7/27-15:00	68
9	DWP-001-20070727-01	7/27/07	24:00	S	JDF	G	G	None	None	7/27/07 13:11	7/27-15:00	21

PLEASE ANSWER QUESTIONS ABOVE!

Regulated By: **[Signature]**

Received By: **[Signature]**

Date/Time: **7/27-15:00**

IS YOUR PROJECT MA MCP or CT RCP?

Regulated By: **[Signature]**

Received By: **[Signature]**

Date/Time: **7/27-15:00**

CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 7/27

ALPHA Job #: 10710794



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

RAYNHAM, MA
TEL: 508-822-9800
FAX: 508-822-3288

Client Information

Client: ERM-BOSTON

Address: 344 BOSTON ST 6TH FLOOR
BOSTON, MA 02114

Phone: (617) 646-7800

Fax: (617) 267-6447

Email: Jason.Flattery@erm.com

Other Project Specific Requirements/Comments/Detection Limits:

Project Information

Project Name: MA SOIL EXCAVATION

Project Location: RAYTHEN WYVALE

Project #: 0051545

Project Manager: JASON FLATTERY

ALPHA Quote #:

Turn-Around Time

Standard ASAP CRUSH (only confirmed if pre-approved!)
Date Due: PER SOCIAL/1 Time:

Report Information - Data Deliverables

FAX EMAIL

ADDEX Add'l Deliverables

Regulatory Requirements/Report Limits

State / Fed Program MCP Criteria S2-GW-1

MAMC/PRESUMPTIVE CERTAINTY - CT REASONABLE CONFIDENCE PROTOCOLS

Billing Information

Same as Client info

PO #:

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

SAMPLE HANDLING

- Done
 - Not needed
 - Lab to do
 - Lab to do
- (please specify below)

Sample Specific Comments

ANALYSIS
8260 (LOW)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials
		Date	Time		
<u>10794</u>	<u>10TB-001-20070727-01</u>	<u>7/17/07</u>	<u>17:00</u>	<u>GM</u>	<u>RF</u>

Container Type	Preservative	Date/Time	Received By:	Date/Time
<u>V</u>	<u>H₂O</u>	<u>7/17/07 13:31</u>	<u>[Signature]</u>	<u>7/27/07 13:30</u>

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT
MA MCP or CT RCP?

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

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.

ALPHA ANALYTICAL LABORATORIES

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

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

CERTIFICATE OF ANALYSIS

Client: ERM-New England **Laboratory Job Number:** L0710795
Address: 399 Boylston Street
6th Floor **Date Received:** 27-JUL-2007
Boston, MA 02116 **Date Reported:** 09-AUG-2007
Attn: Mr. Jason Flattery **Delivery Method:** Alpha
Project Number: 0051545
Site: NA SOIL EXCAVATION

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0710795-01	SP-D-1-20070727-01	RAYTHEON WAYLAND
L0710795-02	SP-D-2-20070727-01	RAYTHEON WAYLAND
L0710795-03	SP-D-3-20070727-01	RAYTHEON WAYLAND
L0710795-04	SP-D-4-20070727-01	RAYTHEON WAYLAND
L0710795-05	SP-E-1-20070727-01	RAYTHEON WAYLAND
L0710795-06	SP-E-2-20070727-01	RAYTHEON WAYLAND
L0710795-07	SP-E-3-20070727-01	RAYTHEON WAYLAND
L0710795-08	SP-E-4-20070727-01	RAYTHEON WAYLAND

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

Authorized by: Michelle M. Morris
Technical Representative

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0710795

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.

Report Submission

This report contains the results for TCLP Herbicides. The results for all other requested analyses were issued under separate cover.

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

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

Laboratory Sample Number: L0710795-01 Date Collected: 27-JUL-2007 09:00
SP-D-1-20070727-01 Date Received : 27-JUL-2007
Sample Matrix: SOIL Date Reported : 09-AUG-2007
Condition of Sample: Satisfactory Field Prep: None
Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
TCLP Herbicides by GC				1 8151A(M)	0803 09:20	0809 00:46	JB
TCLP Extraction				1 1311	0801 17:00		
2,4-D	ND	mg/l	0.03				
2,4,5-TP (Silvex)	ND	mg/l	0.003				
Surrogate(s)	Recovery		QC Criteria				
DCAA	47.0	%					

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

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

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

Laboratory Sample Number:	L0710795-02	Date Collected:	27-JUL-2007 09:05
	SP-D-2-20070727-01	Date Received :	27-JUL-2007
Sample Matrix:	SOIL	Date Reported :	09-AUG-2007
Condition of Sample:	Satisfactory	Field Prep:	None
Number & Type of Containers:	1-Amber		

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
TCLP Herbicides by GC				1 8151A(M)	0803 09:20 0809 01:36	JB
TCLP Extraction				1 1311	0801 17:00	
2,4-D	ND	mg/l	0.03			
2,4,5-TP (Silvex)	ND	mg/l	0.003			
Surrogate(s)	Recovery			QC Criteria		
DCAA	67.0	%				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

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

Laboratory Sample Number: L0710795-03 Date Collected: 27-JUL-2007 09:10
SP-D-3-20070727-01 Date Received : 27-JUL-2007
Sample Matrix: SOIL Date Reported : 09-AUG-2007
Condition of Sample: Satisfactory Field Prep: None
Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
TCLP Herbicides by GC				1 8151A(M)	0803 09:20	0809 02:25	JB
TCLP Extraction				1 1311	0801 17:00		
2,4-D	ND	mg/l	0.03				
2,4,5-TP (Silvex)	ND	mg/l	0.003				
Surrogate(s)	Recovery		QC Criteria				
DCAA	69.0	%					

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

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

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

Laboratory Sample Number: L0710795-08 Date Collected: 27-JUL-2007 09:45
 SP-E-4-20070727-01 Date Received : 27-JUL-2007
 Sample Matrix: SOIL Date Reported : 09-AUG-2007
 Condition of Sample: Satisfactory Field Prep: None
 Number & Type of Containers: 1-Amber

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
TCLP Herbicides by GC				1 8151A(M)	0803 09:20	0809 06:32	JB
TCLP Extraction				1 1311	0801 17:00		
2,4-D	ND	mg/l	0.03				
2,4,5-TP (Silvex)	ND	mg/l	0.003				
Surrogate(s)	Recovery		QC Criteria				
DCAA	56.0	%					

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0710795

Parameter	% Recovery	QC Criteria
TCLP Herbicides by GC LCS for sample(s) 01-08 (WG289419-2)		
2,4-D	97	
2,4,5-TP (Silvex)	41	
Surrogate(s)		
DCAA	52	

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0710795

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
TCLP Herbicides by GC for sample(s) 01-08 (L0710795-02, WG289419-4)					
2,4-D	120	100	18		
2,4,5-TP (Silvex)	58	45	25		
Surrogate(s)					
DCAA	73	58	23		

ALPHA ANALYTICAL LABORATORIES
 QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0710795

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01-08 (WG289419-1)							
TCLP Herbicides by GC				1 8151A(M)	0803 09:20	0808 20:40	JB
TCLP Extraction				1 1311	0801 17:00		
2,4-D	ND	mg/l	0.03				
2,4,5-TP (Silvex)	ND	mg/l	0.003				
Surrogate(s)	Recovery		QC Criteria				
DCAA	70.0	%					

ALPHA ANALYTICAL LABORATORIES
ADDENDUM I

REFERENCES

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

GLOSSARY OF TERMS AND SYMBOLS

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

LIMITATION OF LIABILITIES

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

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



CHAIN OF CUSTODY

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**

Project Name: **VA Soil Excavation**

Address: **394 BRISTOL ST 6TH FLOOR BOSTON, MA 02116**

Project Location: **RAYTHEON WAYARD**

Phone: **(617) 646-7800**

Project Manager: **JASON FLATTERY**

Fax: **(617) 267-6447**

ALPHA Quote #: **---**

Email: **Jason.Flattery@erm.com**

Turn-Around Time: **ASAP PER JASON FLATTERY**

These samples have been previously analyzed by Alpha

Date Due: **ASAP PER JASON FLATTERY**

Other Project Specific Requirements/Comments/Detection Limits:

PLEASE RUN TOTAL SOLIDS FOR ALL SAMPLES

Date Rec'd In Lab: **7/27**

ALPHA Job #: **10710795**

Report Information - Data Deliverables

Billing Information

FAX EMAIL

Same as Client info PO #:

INDEX Add'l Deliverables

Regulatory Requirements/Report Limits

State/Fed Program: **MA MAMCP PRESUMPTIVE CERTAINTY - CT REASONABLE CONFIDENCE PROTOCOLS**

MAMCP PRESUMPTIVE CERTAINTY - CT REASONABLE CONFIDENCE PROTOCOLS

ANALYSIS	Yes	No	Are MCP Analytical Methods Required?	Are CT RCP (Reasonable Confidence Protocols) Required?
<input checked="" type="checkbox"/> PH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> REACTIVITY FLASH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> TCLP/PCB, SVCS, PEST, HERB.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> TCLP VOA (8260)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> TCLP Ar, Ba, Cd, Pb, Hg, Se, As	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> VOCs (LOW) (8260)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> TOTAL SOLIDS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Time	Sample Matrix	Sampler's Initials
10795.1	SP-D-1-20070727.01	7/27/07	09:00	S	JDF
2	SP-D-2-20070727.01	7/27/07	09:05	S	JDF
3	SP-D-3-20070727.01	7/27/07	09:10	S	JDF
4	SP-D-4-20070727.01	7/27/07	09:15	S	JDF
5	SP-E-1-20070727.01	7/27/07	09:30	S	JDF
6	SP-E-2-20070727.01	7/27/07	09:35	S	JDF
7	SP-E-3-20070727.01	7/27/07	09:40	S	JDF
8	SP-E-4-20070727.01	7/27/07	09:45	S	JDF
9	DWP-001-20070727.01	7/27/07	24:00	S	JDF

SAMPLE HANDLING	Filteration	None	Not needed	Lab to do	Preservation	Lab to do
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Container Type	Preservative	Date/Time	Received By:	Date/Time
G	G	7/27/07 13:31	[Signature]	7/27/07 13:31
G	G	7/27/07 15:00	[Signature]	7/27/07 15:00

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

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

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.

ALPHA ANALYTICAL LABORATORIES

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

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

CERTIFICATE OF ANALYSIS

Client: ERM-New England **Laboratory Job Number:** L0711359
Address: 399 Boylston Street
6th Floor **Date Received:** 08-AUG-2007
Boston, MA 02116 **Date Reported:** 10-AUG-2007
Attn: Mr. Jason Flattery **Delivery Method:** Alpha
Project Number: 0051545
Site: NA SOIL EXCAVATION

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0711359-01	INF-20070808-01	RAYTHEON WAYLAND
L0711359-02	EFF-20070808-01	RAYTHEON WAYLAND

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

Authorized by: Michelle M. Morris
Technical Representative

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0711359

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.

Report Submission

At the request of the client, the samples were analyzed to achieve NPDES Reporting Limits not MCP as indicated on the Chain of Custody.

Semi-Volatile Organics

The WG289965 Batch QC associated with sample L0711359-01 had failures of one or more elements. Re-extraction of the samples in the original batch was required; however, insufficient sample remained to perform re-extraction on sample L0711359-01, therefore, the original data is reported.

L0711359-02 was re-extracted due to a QC failure in the original analysis. Re-extraction was performed within the method required holding time and the re-extracted data is reported.

The WG289965 LCS % recoveries for 1,4-Dichlorobenzene, 1,2-Dichlorobenzene and Hexachloropropene are below method acceptance criteria.

The WG289965 MS/MSD % recoveries for 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2,4-Trichlorobenzene, Hexachloropropene, and 2,4-Dinitrophenol (in the MS only) are below method acceptance criteria. The WG289965 MS/MSD RPDs for 2,4-Dinitrophenol and Pentachlorophenol are above method acceptance criteria.

The WG290138 MS % recoveries for 2,4-Dinitrotoluene and Pentachlorophenol are above method acceptance criteria. The % recoveries for those compounds are within method acceptance criteria in the LCS; no further action taken. The WG290138 MS/MSD RPDs for 1,2,4-trichlorobenzene and 1,2-Dichlorobenzene are above method acceptance criteria.

PAH-SIM

The WG289964 LCS has a low surrogate % recovery for 2-Fluorobiphenyl.

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

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

Laboratory Sample Number: L0711359-01	Date Collected: 08-AUG-2007 07:00
INF-20070808-01	Date Received : 08-AUG-2007
Sample Matrix: WATER	Date Reported : 10-AUG-2007
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Amber,2-Plastic,2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Solids, Total Suspended	19	mg/l	5.0	30 2540D		0809 14:15 DW
Total Metals						
Arsenic, Total	0.0023	mg/l	0.0005	1 6020	0808 16:20	0808 23:10 BM
Copper, Total	0.0161	mg/l	0.0005	1 6020	0808 16:20	0808 23:10 BM
Iron, Total	2.6	mg/l	0.05	19 200.7	0808 16:20	0810 09:46 MG
Nickel, Total	0.0062	mg/l	0.0005	1 6020	0808 16:20	0808 23:10 BM
Volatile Organics by GC/MS 624						
Methylene chloride	ND	ug/l	5.0	5 624		0808 16:38 MM
1,1-Dichloroethane	ND	ug/l	1.5			
Chloroform	ND	ug/l	1.5			
Carbon tetrachloride	ND	ug/l	1.0			
1,2-Dichloropropane	ND	ug/l	3.5			
Dibromochloromethane	ND	ug/l	1.0			
1,1,2-Trichloroethane	ND	ug/l	1.5			
2-Chloroethylvinyl ether	ND	ug/l	10.			
Tetrachloroethene	22	ug/l	1.5			
Chlorobenzene	ND	ug/l	3.5			
Trichlorofluoromethane	ND	ug/l	5.0			
1,2-Dichloroethane	ND	ug/l	1.5			
1,1,1-Trichloroethane	ND	ug/l	2.0			
Bromodichloromethane	ND	ug/l	1.0			
trans-1,3-Dichloropropene	ND	ug/l	1.5			
cis-1,3-Dichloropropene	ND	ug/l	1.5			
Bromoform	ND	ug/l	1.0			
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0			
Benzene	ND	ug/l	1.0			
Toluene	ND	ug/l	1.0			
Ethylbenzene	ND	ug/l	1.0			
Chloromethane	ND	ug/l	10.			
Bromomethane	ND	ug/l	5.0			
Vinyl chloride	ND	ug/l	2.0			
Chloroethane	ND	ug/l	2.0			
1,1-Dichloroethene	ND	ug/l	1.0			
trans-1,2-Dichloroethene	ND	ug/l	1.5			
cis-1,2-Dichloroethene	1.2	ug/l	1.0			
Trichloroethene	170	ug/l	1.0			

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0711359-01
INF-20070808-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 624 cont'd				5 624	0808 16:38 MM		
1,2-Dichlorobenzene	ND	ug/l	5.0				
1,3-Dichlorobenzene	ND	ug/l	5.0				
1,4-Dichlorobenzene	ND	ug/l	5.0				
p/m-Xylene	ND	ug/l	2.0				
o-xylene	ND	ug/l	1.0				
Xylene (Total)	ND	ug/l	2.0				
Styrene	ND	ug/l	1.0				
Acetone	ND	ug/l	10.				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	10.				
Vinyl acetate	ND	ug/l	20.				
4-Methyl-2-pentanone	ND	ug/l	10.				
2-Hexanone	ND	ug/l	10.				
Acrolein	ND	ug/l	8.0				
Acrylonitrile	ND	ug/l	10.				
Methyl tert butyl ether	ND	ug/l	20.				
1,4-Dioxane	ND	ug/l	2000				
Tert-Butyl Alcohol	ND	ug/l	100				
Tertiary-Amyl Methyl Ether	ND	ug/l	20.				
Surrogate(s)	Recovery		QC Criteria				
Pentafluorobenzene	83.0	%	80-120				
Fluorobenzene	98.0	%	80-120				
4-Bromofluorobenzene	104	%	80-120				
SVOC's by GC/MS 8270				1 8270C	0808 15:15 0809 13:56 AK		
Acenaphthene	ND	ug/l	4.8				
Benzidine	ND	ug/l	48.				
1,2,4-Trichlorobenzene	ND	ug/l	4.8				
Hexachlorobenzene	ND	ug/l	4.8				
Bis(2-chloroethyl)ether	ND	ug/l	4.8				
1-Chloronaphthalene	ND	ug/l	4.8				
2-Chloronaphthalene	ND	ug/l	5.7				
1,2-Dichlorobenzene	ND	ug/l	4.8				
1,3-Dichlorobenzene	ND	ug/l	4.8				
1,4-Dichlorobenzene	ND	ug/l	4.8				
3,3'-Dichlorobenzidine	ND	ug/l	48.				
2,4-Dinitrotoluene	ND	ug/l	5.7				
2,6-Dinitrotoluene	ND	ug/l	4.8				
Azobenzene	ND	ug/l	4.8				
Fluoranthene	ND	ug/l	4.8				
4-Chlorophenyl phenyl ether	ND	ug/l	4.8				
4-Bromophenyl phenyl ether	ND	ug/l	4.8				
Bis(2-chloroisopropyl)ether	ND	ug/l	4.8				
Bis(2-chloroethoxy)methane	ND	ug/l	4.8				
Hexachlorobutadiene	ND	ug/l	9.6				
Hexachlorocyclopentadiene	ND	ug/l	29.				
Hexachloroethane	ND	ug/l	4.8				
Isophorone	ND	ug/l	4.8				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0711359-01
INF-20070808-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1 8270C	0808 15:15	0809 13:56	AK
Naphthalene	ND	ug/l	4.8				
Nitrobenzene	ND	ug/l	4.8				
NDPA/DPA	ND	ug/l	14.				
n-Nitrosodi-n-propylamine	ND	ug/l	4.8				
Bis(2-ethylhexyl)phthalate	ND	ug/l	4.8				
Butyl benzyl phthalate	ND	ug/l	4.8				
Di-n-butylphthalate	ND	ug/l	4.8				
Di-n-octylphthalate	ND	ug/l	4.8				
Diethyl phthalate	ND	ug/l	4.8				
Dimethyl phthalate	ND	ug/l	4.8				
Benzo(a)anthracene	ND	ug/l	4.8				
Benzo(a)pyrene	ND	ug/l	4.8				
Benzo(b)fluoranthene	ND	ug/l	4.8				
Benzo(k)fluoranthene	ND	ug/l	4.8				
Chrysene	ND	ug/l	4.8				
Acenaphthylene	ND	ug/l	4.8				
Anthracene	ND	ug/l	4.8				
Benzo(ghi)perylene	ND	ug/l	4.8				
Fluorene	ND	ug/l	4.8				
Phenanthrene	ND	ug/l	4.8				
Dibenzo(a,h)anthracene	ND	ug/l	4.8				
Indeno(1,2,3-cd)pyrene	ND	ug/l	6.7				
Pyrene	ND	ug/l	4.8				
Benzo(e)pyrene	ND	ug/l	4.8				
Biphenyl	ND	ug/l	4.8				
Perylene	ND	ug/l	4.8				
Aniline	ND	ug/l	19.				
4-Chloroaniline	ND	ug/l	4.8				
1-Methylnaphthalene	ND	ug/l	4.8				
2-Nitroaniline	ND	ug/l	4.8				
3-Nitroaniline	ND	ug/l	4.8				
4-Nitroaniline	ND	ug/l	6.7				
Dibenzofuran	ND	ug/l	4.8				
a,a-Dimethylphenethylamine	ND	ug/l	48.				
Hexachloropropene	ND	ug/l	9.6				
Nitrosodi-n-butylamine	ND	ug/l	9.6				
2-Methylnaphthalene	ND	ug/l	4.8				
1,2,4,5-Tetrachlorobenzene	ND	ug/l	19.				
Pentachlorobenzene	ND	ug/l	19.				
a-Naphthylamine	ND	ug/l	24.				
b-Naphthylamine	ND	ug/l	19.				
Phenacetin	ND	ug/l	9.6				
Dimethoate	ND	ug/l	19.				
4-Aminobiphenyl	ND	ug/l	9.6				
Pentachloronitrobenzene	ND	ug/l	9.6				
Isodrin	ND	ug/l	9.6				
p-Dimethylaminoazobenzene	ND	ug/l	9.6				
Chlorobenzilate	ND	ug/l	19.				
3-Methylcholanthrene	ND	ug/l	19.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0711359-01
INF-20070808-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1	8270C	0808 15:15	0809 13:56 AK
Ethyl Methanesulfonate	ND	ug/l	14.				
Acetophenone	ND	ug/l	19.				
Nitrosodipiperidine	ND	ug/l	19.				
7,12-Dimethylbenz(a)anthracene	ND	ug/l	19.				
n-Nitrosodimethylamine	ND	ug/l	48.				
2,4,6-Trichlorophenol	ND	ug/l	4.8				
p-Chloro-m-cresol	ND	ug/l	4.8				
2-Chlorophenol	ND	ug/l	5.7				
2,4-Dichlorophenol	ND	ug/l	9.6				
2,4-Dimethylphenol	ND	ug/l	9.6				
2-Nitrophenol	ND	ug/l	19.				
4-Nitrophenol	ND	ug/l	9.6				
2,4-Dinitrophenol	ND	ug/l	29.				
4,6-Dinitro-o-cresol	ND	ug/l	19.				
Pentachlorophenol	ND	ug/l	9.6				
Phenol	ND	ug/l	6.7				
2-Methylphenol	ND	ug/l	5.7				
3-Methylphenol/4-Methylphenol	ND	ug/l	5.7				
2,4,5-Trichlorophenol	ND	ug/l	4.8				
2,6-Dichlorophenol	ND	ug/l	9.6				
Benzoic Acid	ND	ug/l	48.				
Benzyl Alcohol	ND	ug/l	9.6				
Carbazole	ND	ug/l	4.8				
Pyridine	ND	ug/l	48.				
2-Picoline	ND	ug/l	19.				
Pronamide	ND	ug/l	19.				
Methyl methanesulfonate	ND	ug/l	19.				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	33.0	%	21-120				
Phenol-d6	25.0	%	10-120				
Nitrobenzene-d5	60.0	%	23-120				
2-Fluorobiphenyl	61.0	%	43-120				
2,4,6-Tribromophenol	110	%	10-120				
4-Terphenyl-d14	85.0	%	33-120				
PAH by GC/MS SIM 8270M				1	8270C-M	0808 15:15	0809 18:39 HL
Acenaphthene	ND	ug/l	0.19				
2-Chloronaphthalene	ND	ug/l	0.19				
Fluoranthene	ND	ug/l	0.19				
Hexachlorobutadiene	ND	ug/l	0.48				
Naphthalene	ND	ug/l	0.19				
Benzo(a)anthracene	ND	ug/l	0.19				
Benzo(a)pyrene	ND	ug/l	0.19				
Benzo(b)fluoranthene	ND	ug/l	0.19				
Benzo(k)fluoranthene	ND	ug/l	0.19				
Chrysene	ND	ug/l	0.19				
Acenaphthylene	ND	ug/l	0.19				
Anthracene	ND	ug/l	0.19				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0711359-01
INF-20070808-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
PAH by GC/MS SIM 8270M cont'd				1	8270C-M	0808 15:15	0809 18:39 HL
Benzo(ghi)perylene	ND	ug/l	0.19				
Fluorene	ND	ug/l	0.19				
Phenanthrene	ND	ug/l	0.19				
Dibenzo(a,h)anthracene	ND	ug/l	0.19				
Indeno(1,2,3-cd)Pyrene	ND	ug/l	0.19				
Pyrene	ND	ug/l	0.19				
1-Methylnaphthalene	ND	ug/l	0.19				
2-Methylnaphthalene	ND	ug/l	0.19				
Pentachlorophenol	ND	ug/l	0.76				
Hexachlorobenzene	ND	ug/l	0.76				
Perylene	ND	ug/l	0.19				
Biphenyl	ND	ug/l	0.19				
2,6-Dimethylnaphthalene	ND	ug/l	0.19				
1-Methylphenanthrene	ND	ug/l	0.19				
Benzo(e)Pyrene	ND	ug/l	0.19				
Hexachloroethane	ND	ug/l	0.76				
Surrogate(s)	Recovery			QC Criteria			
2-Fluorophenol	35.0	%		21-120			
Phenol-d6	28.0	%		10-120			
Nitrobenzene-d5	55.0	%		23-120			
2-Fluorobiphenyl	59.0	%		43-120			
2,4,6-Tribromophenol	72.0	%		10-120			
4-Terphenyl-d14	75.0	%		33-120			

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

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

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

Laboratory Sample Number: L0711359-02	Date Collected: 08-AUG-2007 07:10
EFF-20070808-01	Date Received : 08-AUG-2007
Sample Matrix: WATER	Date Reported : 10-AUG-2007
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Amber,2-Plastic,2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Solids, Total Suspended	ND	mg/l	5.0	30 2540D	0809 14:15	DW
Total Metals						
Arsenic, Total	0.0640	mg/l	0.0005	1 6020	0808 16:20	0808 23:16 BM
Copper, Total	0.0110	mg/l	0.0005	1 6020	0808 16:20	0808 23:16 BM
Iron, Total	0.60	mg/l	0.05	19 200.7	0808 16:20	0810 09:48 MG
Nickel, Total	0.0116	mg/l	0.0005	1 6020	0808 16:20	0808 23:16 BM
Volatile Organics by GC/MS 624						
Methylene chloride	ND	ug/l	5.0	5 624	0808 16:05	MM
1,1-Dichloroethane	ND	ug/l	1.5			
Chloroform	ND	ug/l	1.5			
Carbon tetrachloride	ND	ug/l	1.0			
1,2-Dichloropropane	ND	ug/l	3.5			
Dibromochloromethane	ND	ug/l	1.0			
1,1,2-Trichloroethane	ND	ug/l	1.5			
2-Chloroethylvinyl ether	ND	ug/l	10.			
Tetrachloroethene	ND	ug/l	1.5			
Chlorobenzene	ND	ug/l	3.5			
Trichlorofluoromethane	ND	ug/l	5.0			
1,2-Dichloroethane	ND	ug/l	1.5			
1,1,1-Trichloroethane	ND	ug/l	2.0			
Bromodichloromethane	ND	ug/l	1.0			
trans-1,3-Dichloropropene	ND	ug/l	1.5			
cis-1,3-Dichloropropene	ND	ug/l	1.5			
Bromoform	ND	ug/l	1.0			
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0			
Benzene	ND	ug/l	1.0			
Toluene	ND	ug/l	1.0			
Ethylbenzene	ND	ug/l	1.0			
Chloromethane	ND	ug/l	10.			
Bromomethane	ND	ug/l	5.0			
Vinyl chloride	ND	ug/l	2.0			
Chloroethane	ND	ug/l	2.0			
1,1-Dichloroethene	ND	ug/l	1.0			
trans-1,2-Dichloroethene	ND	ug/l	1.5			
cis-1,2-Dichloroethene	ND	ug/l	1.0			
Trichloroethene	ND	ug/l	1.0			

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0711359-02
EFF-20070808-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 624 cont'd				5 624	0808 16:05 MM		
1,2-Dichlorobenzene	ND	ug/l	5.0				
1,3-Dichlorobenzene	ND	ug/l	5.0				
1,4-Dichlorobenzene	ND	ug/l	5.0				
p/m-Xylene	ND	ug/l	2.0				
o-xylene	ND	ug/l	1.0				
Xylene (Total)	ND	ug/l	2.0				
Styrene	ND	ug/l	1.0				
Acetone	ND	ug/l	10.				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	10.				
Vinyl acetate	ND	ug/l	20.				
4-Methyl-2-pentanone	ND	ug/l	10.				
2-Hexanone	ND	ug/l	10.				
Acrolein	ND	ug/l	8.0				
Acrylonitrile	ND	ug/l	10.				
Methyl tert butyl ether	ND	ug/l	20.				
1,4-Dioxane	ND	ug/l	2000				
Tert-Butyl Alcohol	ND	ug/l	100				
Tertiary-Amyl Methyl Ether	ND	ug/l	20.				
Surrogate(s)	Recovery		QC Criteria				
Pentafluorobenzene	82.0	%	80-120				
Fluorobenzene	97.0	%	80-120				
4-Bromofluorobenzene	109	%	80-120				
SVOC's by GC/MS 8270				1 8270C	0809 16:15 0810 14:49 AK		
Acenaphthene	ND	ug/l	4.8				
Benzidine	ND	ug/l	48.				
1,2,4-Trichlorobenzene	ND	ug/l	4.8				
Hexachlorobenzene	ND	ug/l	4.8				
Bis(2-chloroethyl)ether	ND	ug/l	4.8				
1-Chloronaphthalene	ND	ug/l	4.8				
2-Chloronaphthalene	ND	ug/l	5.7				
1,2-Dichlorobenzene	ND	ug/l	4.8				
1,3-Dichlorobenzene	ND	ug/l	4.8				
1,4-Dichlorobenzene	ND	ug/l	4.8				
3,3'-Dichlorobenzidine	ND	ug/l	48.				
2,4-Dinitrotoluene	ND	ug/l	5.7				
2,6-Dinitrotoluene	ND	ug/l	4.8				
Azobenzene	ND	ug/l	4.8				
Fluoranthene	ND	ug/l	4.8				
4-Chlorophenyl phenyl ether	ND	ug/l	4.8				
4-Bromophenyl phenyl ether	ND	ug/l	4.8				
Bis(2-chloroisopropyl)ether	ND	ug/l	4.8				
Bis(2-chloroethoxy)methane	ND	ug/l	4.8				
Hexachlorobutadiene	ND	ug/l	9.6				
Hexachlorocyclopentadiene	ND	ug/l	29.				
Hexachloroethane	ND	ug/l	4.8				
Isophorone	ND	ug/l	4.8				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0711359-02
EFF-20070808-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1 8270C	0809 16:15	0810 14:49	AK
Naphthalene	ND	ug/l	4.8				
Nitrobenzene	ND	ug/l	4.8				
NDPA/DPA	ND	ug/l	14.				
n-Nitrosodi-n-propylamine	ND	ug/l	4.8				
Bis(2-ethylhexyl)phthalate	ND	ug/l	4.8				
Butyl benzyl phthalate	ND	ug/l	4.8				
Di-n-butylphthalate	ND	ug/l	4.8				
Di-n-octylphthalate	ND	ug/l	4.8				
Diethyl phthalate	ND	ug/l	4.8				
Dimethyl phthalate	ND	ug/l	4.8				
Benzo(a)anthracene	ND	ug/l	4.8				
Benzo(a)pyrene	ND	ug/l	4.8				
Benzo(b)fluoranthene	ND	ug/l	4.8				
Benzo(k)fluoranthene	ND	ug/l	4.8				
Chrysene	ND	ug/l	4.8				
Acenaphthylene	ND	ug/l	4.8				
Anthracene	ND	ug/l	4.8				
Benzo(ghi)perylene	ND	ug/l	4.8				
Fluorene	ND	ug/l	4.8				
Phenanthrene	ND	ug/l	4.8				
Dibenzo(a,h)anthracene	ND	ug/l	4.8				
Indeno(1,2,3-cd)pyrene	ND	ug/l	6.7				
Pyrene	ND	ug/l	4.8				
Benzo(e)pyrene	ND	ug/l	4.8				
Biphenyl	ND	ug/l	4.8				
Perylene	ND	ug/l	4.8				
Aniline	ND	ug/l	19.				
4-Chloroaniline	ND	ug/l	4.8				
1-Methylnaphthalene	ND	ug/l	4.8				
2-Nitroaniline	ND	ug/l	4.8				
3-Nitroaniline	ND	ug/l	4.8				
4-Nitroaniline	ND	ug/l	6.7				
Dibenzofuran	ND	ug/l	4.8				
a,a-Dimethylphenethylamine	ND	ug/l	48.				
Hexachloropropene	ND	ug/l	9.6				
Nitrosodi-n-butylamine	ND	ug/l	9.6				
2-Methylnaphthalene	ND	ug/l	4.8				
1,2,4,5-Tetrachlorobenzene	ND	ug/l	19.				
Pentachlorobenzene	ND	ug/l	19.				
a-Naphthylamine	ND	ug/l	24.				
b-Naphthylamine	ND	ug/l	19.				
Phenacetin	ND	ug/l	9.6				
Dimethoate	ND	ug/l	19.				
4-Aminobiphenyl	ND	ug/l	9.6				
Pentachloronitrobenzene	ND	ug/l	9.6				
Isodrin	ND	ug/l	9.6				
p-Dimethylaminoazobenzene	ND	ug/l	9.6				
Chlorobenzilate	ND	ug/l	19.				
3-Methylcholanthrene	ND	ug/l	19.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0711359-02
 EFF-20070808-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1 8270C	0809 16:15	0810 14:49	AK
Ethyl Methanesulfonate	ND	ug/l	14.				
Acetophenone	ND	ug/l	19.				
Nitrosodipiperidine	ND	ug/l	19.				
7,12-Dimethylbenz(a)anthracene	ND	ug/l	19.				
n-Nitrosodimethylamine	ND	ug/l	48.				
2,4,6-Trichlorophenol	ND	ug/l	4.8				
p-Chloro-m-cresol	ND	ug/l	4.8				
2-Chlorophenol	ND	ug/l	5.7				
2,4-Dichlorophenol	ND	ug/l	9.6				
2,4-Dimethylphenol	ND	ug/l	9.6				
2-Nitrophenol	ND	ug/l	19.				
4-Nitrophenol	ND	ug/l	9.6				
2,4-Dinitrophenol	ND	ug/l	29.				
4,6-Dinitro-o-cresol	ND	ug/l	19.				
Pentachlorophenol	ND	ug/l	9.6				
Phenol	ND	ug/l	6.7				
2-Methylphenol	ND	ug/l	5.7				
3-Methylphenol/4-Methylphenol	ND	ug/l	5.7				
2,4,5-Trichlorophenol	ND	ug/l	4.8				
2,6-Dichlorophenol	ND	ug/l	9.6				
Benzoic Acid	ND	ug/l	48.				
Benzyl Alcohol	ND	ug/l	9.6				
Carbazole	ND	ug/l	4.8				
Pyridine	ND	ug/l	48.				
2-Picoline	ND	ug/l	19.				
Pronamide	ND	ug/l	19.				
Methyl methanesulfonate	ND	ug/l	19.				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	41.0	%	21-120				
Phenol-d6	32.0	%	10-120				
Nitrobenzene-d5	61.0	%	23-120				
2-Fluorobiphenyl	61.0	%	43-120				
2,4,6-Tribromophenol	78.0	%	10-120				
4-Terphenyl-d14	76.0	%	33-120				
PAH by GC/MS SIM 8270M				1 8270C-M	0808 15:15	0809 19:27	HL
Acenaphthene	ND	ug/l	0.19				
2-Chloronaphthalene	ND	ug/l	0.19				
Fluoranthene	ND	ug/l	0.19				
Hexachlorobutadiene	ND	ug/l	0.48				
Naphthalene	ND	ug/l	0.19				
Benzo(a)anthracene	ND	ug/l	0.19				
Benzo(a)pyrene	ND	ug/l	0.19				
Benzo(b)fluoranthene	ND	ug/l	0.19				
Benzo(k)fluoranthene	ND	ug/l	0.19				
Chrysene	ND	ug/l	0.19				
Acenaphthylene	ND	ug/l	0.19				
Anthracene	ND	ug/l	0.19				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0711359-02
 EFF-20070808-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
PAH by GC/MS SIM 8270M cont'd				1	8270C-M	0808 15:15	0809 19:27 HL
Benzo(ghi)perylene	ND	ug/l	0.19				
Fluorene	ND	ug/l	0.19				
Phenanthrene	ND	ug/l	0.19				
Dibenzo(a,h)anthracene	ND	ug/l	0.19				
Indeno(1,2,3-cd)Pyrene	ND	ug/l	0.19				
Pyrene	ND	ug/l	0.19				
1-Methylnaphthalene	ND	ug/l	0.19				
2-Methylnaphthalene	ND	ug/l	0.19				
Pentachlorophenol	ND	ug/l	0.76				
Hexachlorobenzene	ND	ug/l	0.76				
Perylene	ND	ug/l	0.19				
Biphenyl	ND	ug/l	0.19				
2,6-Dimethylnaphthalene	ND	ug/l	0.19				
1-Methylphenanthrene	ND	ug/l	0.19				
Benzo(e)Pyrene	ND	ug/l	0.19				
Hexachloroethane	ND	ug/l	0.76				
Surrogate(s)	Recovery			QC Criteria			
2-Fluorophenol	32.0	%		21-120			
Phenol-d6	25.0	%		10-120			
Nitrobenzene-d5	49.0	%		23-120			
2-Fluorobiphenyl	51.0	%		43-120			
2,4,6-Tribromophenol	58.0	%		10-120			
4-Terphenyl-d14	78.0	%		33-120			

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

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0711359

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Solids, Total Suspended for sample(s) 01-02 (L0711336-01, WG290091-2)					
Solids, Total Suspended	3500	3500	mg/l	0	32
Total Metals for sample(s) 01-02 (L0711359-02, WG289984-1)					
Arsenic, Total	0.0640	0.0630	mg/l	2	20
Copper, Total	0.0110	0.0106	mg/l	3	20
Nickel, Total	0.0116	0.0113	mg/l	3	20
Total Metals for sample(s) 01-02 (L0711359-02, WG290123-1)					
Iron, Total	0.60	0.60	mg/l	0	
Volatile Organics by GC/MS 624 for sample(s) 01-02 (L0711172-02, WG289896-2)					
Methylene chloride	ND	ND	ug/l	NC	30
1,1-Dichloroethane	ND	ND	ug/l	NC	30
Chloroform	ND	ND	ug/l	NC	30
Carbon tetrachloride	ND	ND	ug/l	NC	30
1,2-Dichloropropane	ND	ND	ug/l	NC	30
Dibromochloromethane	ND	ND	ug/l	NC	30
1,1,2-Trichloroethane	ND	ND	ug/l	NC	30
Tetrachloroethene	ND	ND	ug/l	NC	30
Chlorobenzene	ND	ND	ug/l	NC	30
Trichlorofluoromethane	ND	ND	ug/l	NC	30
1,2-Dichloroethane	ND	ND	ug/l	NC	30
1,1,1-Trichloroethane	ND	ND	ug/l	NC	30
Bromodichloromethane	ND	ND	ug/l	NC	30
trans-1,3-Dichloropropene	ND	ND	ug/l	NC	30
cis-1,3-Dichloropropene	ND	ND	ug/l	NC	30
Bromoform	ND	ND	ug/l	NC	30
1,1,2,2-Tetrachloroethane	ND	ND	ug/l	NC	30
Benzene	ND	ND	ug/l	NC	30
Toluene	ND	ND	ug/l	NC	30
Ethylbenzene	ND	ND	ug/l	NC	30
Chloromethane	ND	ND	ug/l	NC	30
Bromomethane	ND	ND	ug/l	NC	30
Vinyl chloride	ND	ND	ug/l	NC	30
Chloroethane	ND	ND	ug/l	NC	30
1,1-Dichloroethene	ND	ND	ug/l	NC	30
trans-1,2-Dichloroethene	ND	ND	ug/l	NC	30
cis-1,2-Dichloroethene	ND	ND	ug/l	NC	30
Trichloroethene	ND	ND	ug/l	NC	30
1,2-Dichlorobenzene	ND	ND	ug/l	NC	30
1,3-Dichlorobenzene	ND	ND	ug/l	NC	30
1,4-Dichlorobenzene	ND	ND	ug/l	NC	30
p/m-Xylene	ND	ND	ug/l	NC	30
o-xylene	ND	ND	ug/l	NC	30
Xylene (Total)	ND	ND	ug/l	NC	30
Styrene	ND	ND	ug/l	NC	30
Acetone	ND	ND	ug/l	NC	30
Carbon disulfide	ND	ND	ug/l	NC	30

ALPHA ANALYTICAL LABORATORIES
 QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0711359

Continued

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Volatile Organics by GC/MS 624 for sample(s) 01-02 (L0711172-02, WG289896-2)					
2-Butanone	ND	ND	ug/l	NC	30
Vinyl acetate	ND	ND	ug/l	NC	30
4-Methyl-2-pentanone	ND	ND	ug/l	NC	30
2-Hexanone	ND	ND	ug/l	NC	30
Acrolein	ND	ND	ug/l	NC	30
Acrylonitrile	ND	ND	ug/l	NC	30
Methyl Acetate	ND	ND	ug/l	NC	30
Ethyl Acetate	ND	ND	ug/l	NC	30
Tetrahydrofuran	ND	ND	ug/l	NC	30
Acetonitrile	ND	ND	ug/l	NC	30
n-Hexane	ND	ND	ug/l	NC	30
Isopropyl Ether	ND	ND	ug/l	NC	30
Cyclohexane	ND	ND	ug/l	NC	30
Heptane	ND	ND	ug/l	NC	30
Butyl Acetate	ND	ND	ug/l	NC	30
Methyl tert butyl ether	ND	ND	ug/l	NC	30
Ethyl Ether	ND	ND	ug/l	NC	30
Dibromomethane	ND	ND	ug/l	NC	30
Surrogate(s)	Recovery				QC Criteria
Pentafluorobenzene	82.0	84.0	%		80-120
Fluorobenzene	97.0	97.0	%		80-120
4-Bromofluorobenzene	98.0	101	%		80-120

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0711359

Parameter	% Recovery	QC Criteria
Total Metals LCS for sample(s) 01-02 (WG289984-4)		
Arsenic, Total	100	80-120
Copper, Total	103	80-120
Nickel, Total	104	80-120
Total Metals LCS for sample(s) 01-02 (WG290123-4)		
Iron, Total	100	
Volatile Organics by GC/MS 624 LCS for sample(s) 01-02 (WG289896-5)		
Methylene chloride	110	10-221
1,1-Dichloroethane	95	59-155
Chloroform	108	51-138
Carbon tetrachloride	110	70-140
1,2-Dichloropropane	107	10-210
Dibromochloromethane	99	53-149
1,1,2-Trichloroethane	98	52-150
2-Chloroethylvinyl ether	75	10-305
Tetrachloroethene	100	64-148
Chlorobenzene	96	37-160
Trichlorofluoromethane	120	17-181
1,2-Dichloroethane	116	49-155
1,1,1-Trichloroethane	102	52-162
Bromodichloromethane	98	35-155
trans-1,3-Dichloropropene	92	17-183
cis-1,3-Dichloropropene	85	10-227
Bromoform	91	45-169
1,1,2,2-Tetrachloroethane	94	46-157
Benzene	135	37-151
Toluene	106	47-150
Ethylbenzene	111	37-162
Chloromethane	121	10-273
Bromomethane	119	10-242
Vinyl chloride	135	10-251
Chloroethane	133	14-230
1,1-Dichloroethene	112	10-234
trans-1,2-Dichloroethene	102	54-156
cis-1,2-Dichloroethene	114	60-140
Trichloroethene	109	71-157
1,2-Dichlorobenzene	94	18-190
1,3-Dichlorobenzene	97	59-156
1,4-Dichlorobenzene	101	18-190
p/m-Xylene	110	40-160
o-Xylene	107	40-160
XYLENE (TOTAL)	109	40-160
Styrene	88	40-160
Acetone	126	40-160
Carbon disulfide	123	40-160
2-Butanone	101	40-160
Vinyl acetate	85	40-160

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0711359

Continued

Parameter	% Recovery	QC Criteria
Volatile Organics by GC/MS 624 LCS for sample(s) 01-02 (WG289896-5)		
4-Methyl-2-pentanone	98	40-160
2-Hexanone	97	40-160
Acrolein	102	40-160
Acrylonitrile	111	40-160
Surrogate(s)		
Pentafluorobenzene	103	80-120
Fluorobenzene	104	80-120
4-Bromofluorobenzene	97	80-120
SVOC's by GC/MS 8270 LCS for sample(s) 01 (WG289965-2)		
Acenaphthene	60	46-118
1,2,4-Trichlorobenzene	39	39-98
2-Chloronaphthalene	54	40-140
1,2-Dichlorobenzene	36	40-140
1,4-Dichlorobenzene	33	36-97
2,4-Dinitrotoluene	76	24-96
2,6-Dinitrotoluene	82	40-140
Fluoranthene	83	40-140
4-Chlorophenyl phenyl ether	69	40-140
n-Nitrosodi-n-propylamine	50	41-116
Butyl benzyl phthalate	86	40-140
Anthracene	71	40-140
Pyrene	82	26-127
Hexachloropropene	37	40-140
P-Chloro-M-Cresol	65	23-97
2-Chlorophenol	48	27-123
2-Nitrophenol	58	30-130
4-Nitrophenol	29	10-80
2,4-Dinitrophenol	73	30-130
Pentachlorophenol	81	9-103
Phenol	18	12-110
Surrogate(s)		
2-Fluorophenol	28	21-120
Phenol-d6	24	10-120
Nitrobenzene-d5	54	23-120
2-Fluorobiphenyl	59	43-120
2,4,6-Tribromophenol	92	10-120
4-Terphenyl-d14	79	33-120
SVOC's by GC/MS 8270 LCS for sample(s) 02 (WG290138-2)		
Acenaphthene	71	46-118
1,2,4-Trichlorobenzene	62	39-98
2-Chloronaphthalene	69	40-140
1,2-Dichlorobenzene	56	40-140
1,4-Dichlorobenzene	54	36-97
2,4-Dinitrotoluene	90	24-96

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0711359

Continued

Parameter	% Recovery	QC Criteria
SVOC's by GC/MS 8270 LCS for sample(s) 02 (WG290138-2)		
2,6-Dinitrotoluene	95	40-140
Fluoranthene	97	40-140
4-Chlorophenyl phenyl ether	77	40-140
n-Nitrosodi-n-propylamine	58	41-116
Butyl benzyl phthalate	100	40-140
Anthracene	85	40-140
Pyrene	96	26-127
Hexachloropropene	62	40-140
P-Chloro-M-Cresol	74	23-97
2-Chlorophenol	62	27-123
2-Nitrophenol	66	30-130
4-Nitrophenol	44	10-80
2,4-Dinitrophenol	88	30-130
Pentachlorophenol	96	9-103
Phenol	27	12-110
Surrogate(s)		
2-Fluorophenol	41	21-120
Phenol-d6	34	10-120
Nitrobenzene-d5	62	23-120
2-Fluorobiphenyl	65	43-120
2,4,6-Tribromophenol	102	10-120
4-Terphenyl-d14	91	33-120
PAH by GC/MS SIM 8270M LCS for sample(s) 01-02 (WG289964-2)		
Acenaphthene	48	40-140
2-Chloronaphthalene	40	40-140
Fluoranthene	72	40-140
Anthracene	53	40-140
Pyrene	73	40-140
Pentachlorophenol	61	30-130
Surrogate(s)		
2-Fluorophenol	24	21-120
Phenol-d6	19	10-120
Nitrobenzene-d5	38	23-120
2-Fluorobiphenyl	39	43-120
2,4,6-Tribromophenol	49	10-120
4-Terphenyl-d14	72	33-120
Total Metals SPIKE for sample(s) 01-02 (L0711359-02, WG289984-2)		
Arsenic, Total	103	80-120
Copper, Total	102	80-120
Nickel, Total	103	80-120

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0711359

Continued

Parameter	% Recovery	QC Criteria
Total Metals SPIKE for sample(s) 01-02 (L0711359-02, WG290123-2)		
Iron, Total	90	
Volatile Organics by GC/MS 624 SPIKE for sample(s) 01-02 (L0711172-01, WG289896-1)		
Methylene chloride	101	10-221
1,1-Dichloroethane	92	59-155
Chloroform	103	51-138
Carbon tetrachloride	102	70-140
1,2-Dichloropropane	101	10-210
Dibromochloromethane	93	53-149
1,1,2-Trichloroethane	96	52-150
2-Chloroethylvinyl ether	80	10-305
Tetrachloroethene	89	64-148
Chlorobenzene	84	37-160
Trichlorofluoromethane	110	17-181
1,2-Dichloroethane	109	49-155
1,1,1-Trichloroethane	95	52-162
Bromodichloromethane	90	35-155
trans-1,3-Dichloropropene	84	17-183
cis-1,3-Dichloropropene	75	10-227
Bromoform	85	45-169
1,1,2,2-Tetrachloroethane	93	46-157
Benzene	112	35-151
Toluene	97	47-150
Ethylbenzene	99	37-162
Chloromethane	90	10-273
Bromomethane	85	10-242
Vinyl chloride	120	10-251
Chloroethane	113	14-230
1,1-Dichloroethene	102	10-234
trans-1,2-Dichloroethene	92	54-156
cis-1,2-Dichloroethene	103	60-140
Trichloroethene	97	71-157
1,2-Dichlorobenzene	81	18-190
1,3-Dichlorobenzene	78	59-156
1,4-Dichlorobenzene	85	18-190
p/m-Xylene	101	40-160
o-Xylene	94	40-160
XYLENE (TOTAL)	98	40-160
Styrene	80	40-160
Acetone	112	40-160
Carbon disulfide	97	40-160
2-Butanone	106	40-160
Vinyl acetate	85	40-160
4-Methyl-2-pentanone	112	40-160
2-Hexanone	114	40-160
Acrolein	100	40-160
Acrylonitrile	114	40-160

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0711359

Continued

Parameter	% Recovery	QC Criteria
Volatile Organics by GC/MS 624 SPIKE for sample(s) 01-02 (L0711172-01, WG289896-1)		
Surrogate(s)		
Pentafluorobenzene	100	80-120
Fluorobenzene	107	80-120
4-Bromofluorobenzene	96	80-120

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0711359

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
SVOC's by GC/MS 8270 for sample(s) 01 (L0711359-01, WG289965-4)					
Acenaphthene	58	62	7	30	46-118
1,2,4-Trichlorobenzene	33	37	11	30	39-98
2-Chloronaphthalene	53	53	0	30	40-140
1,2-Dichlorobenzene	33	34	3	30	40-140
1,4-Dichlorobenzene	30	31	3	30	36-97
2,4-Dinitrotoluene	82	86	5	30	24-96
2,6-Dinitrotoluene	86	82	5	30	40-140
Fluoranthene	96	91	5	30	40-140
4-Chlorophenyl phenyl ether	77	77	0	30	40-140
n-Nitrosodi-n-propylamine	45	41	9	30	41-116
Butyl benzyl phthalate	96	96	0	30	40-140
Anthracene	82	72	13	30	40-140
Pyrene	91	91	0	30	26-127
Hexachloropropene	31	38	20	30	40-140
P-Chloro-M-Cresol	74	70	6	30	23-97
2-Chlorophenol	46	46	0	30	27-123
2-Nitrophenol	53	50	6	30	30-130
4-Nitrophenol	58	60	3	30	10-80
2,4-Dinitrophenol	7	79	167	30	30-130
Pentachlorophenol	65	96	39	30	9-103
Phenol	29	29	0	30	12-110
Surrogate(s)					
2-Fluorophenol	40	38	5		21-120
Phenol-d6	38	35	8		10-120
Nitrobenzene-d5	53	48	10		23-120
2-Fluorobiphenyl	57	55	4		43-120
2,4,6-Tribromophenol	106	97	9		10-120
4-Terphenyl-d14	90	83	8		33-120
SVOC's by GC/MS 8270 for sample(s) 02 (L0711399-01, WG290138-4)					
Acenaphthene	87	73	18	30	46-118
1,2,4-Trichlorobenzene	73	53	32	30	39-98
2-Chloronaphthalene	87	68	25	30	40-140
1,2-Dichlorobenzene	68	49	32	30	40-140
1,4-Dichlorobenzene	63	47	29	30	36-97
2,4-Dinitrotoluene	100	92	8	30	24-96
2,6-Dinitrotoluene	120	92	26	30	40-140
Fluoranthene	110	97	13	30	40-140
4-Chlorophenyl phenyl ether	97	82	17	30	40-140
n-Nitrosodi-n-propylamine	78	58	29	30	41-116
Butyl benzyl phthalate	110	97	13	30	40-140
Anthracene	97	82	17	30	40-140
Pyrene	110	97	13	30	26-127
Hexachloropropene	68	53	25	30	40-140
P-Chloro-M-Cresol	92	70	27	30	23-97
2-Chlorophenol	82	61	29	30	27-123
2-Nitrophenol	87	65	29	30	30-130

ALPHA ANALYTICAL LABORATORIES
 QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0711359

Continued

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
SVOC's by GC/MS 8270 for sample(s) 02 (L0711399-01, WG290138-4)					
4-Nitrophenol	78	70	11	30	10-80
2,4-Dinitrophenol	100	92	8	30	30-130
Pentachlorophenol	110	97	13	30	9-103
Phenol	53	39	30	30	12-110
Surrogate(s)					
2-Fluorophenol	68	52	27		21-120
Phenol-d6	69	51	30		10-120
Nitrobenzene-d5	81	61	28		23-120
2-Fluorobiphenyl	87	65	29		43-120
2,4,6-Tribromophenol	116	101	14		10-120
4-Terphenyl-d14	101	92	9		33-120
PAH by GC/MS SIM 8270M for sample(s) 01-02 (L0711359-01, WG289964-4)					
Acenaphthene	53	58	9	40	40-140
2-Chloronaphthalene	48	53	10	40	40-140
Fluoranthene	86	86	0	40	40-140
Anthracene	77	72	7	40	40-140
Pyrene	91	86	6	40	40-140
Pentachlorophenol	70	86	21	40	30-130
Surrogate(s)					
2-Fluorophenol	43	43	0		21-120
Phenol-d6	42	42	0		10-120
Nitrobenzene-d5	49	49	0		23-120
2-Fluorobiphenyl	52	54	4		43-120
2,4,6-Tribromophenol	73	69	6		10-120
4-Terphenyl-d14	97	94	3		33-120

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0711359

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01-02 (WG290091-1)							
Solids, Total Suspended	ND	mg/l	5.0	30 2540D		0809 14:15	DW
Blank Analysis for sample(s) 01-02 (WG289984-3)							
Total Metals							
Arsenic, Total	ND	mg/l	0.0005	1 6020		0808 16:20	0808 22:21 BM
Copper, Total	ND	mg/l	0.0005	1 6020		0808 16:20	0808 22:21 BM
Nickel, Total	ND	mg/l	0.0005	1 6020		0808 16:20	0808 22:21 BM
Blank Analysis for sample(s) 01-02 (WG290123-3)							
Total Metals							
				19 200.7			
Iron, Total	ND	mg/l	0.05	19 200.7		0808 16:20	0810 09:40 MG
Blank Analysis for sample(s) 01-02 (WG289896-6)							
Volatile Organics by GC/MS 624							
				5 624			0808 09:01 MM
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	1.5				
Chloroform	ND	ug/l	1.5				
Carbon tetrachloride	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	3.5				
Dibromochloromethane	ND	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.5				
2-Chloroethylvinyl ether	ND	ug/l	10.				
Tetrachloroethene	ND	ug/l	1.5				
Chlorobenzene	ND	ug/l	3.5				
Trichlorofluoromethane	ND	ug/l	5.0				
1,2-Dichloroethane	ND	ug/l	1.5				
1,1,1-Trichloroethane	ND	ug/l	2.0				
Bromodichloromethane	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.5				
cis-1,3-Dichloropropene	ND	ug/l	1.5				
Bromoform	ND	ug/l	1.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Benzene	ND	ug/l	1.0				
Toluene	ND	ug/l	1.0				
Ethylbenzene	ND	ug/l	1.0				
Chloromethane	ND	ug/l	10.				
Bromomethane	ND	ug/l	5.0				
Vinyl chloride	ND	ug/l	2.0				
Chloroethane	ND	ug/l	2.0				
1,1-Dichloroethene	ND	ug/l	1.0				
trans-1,2-Dichloroethene	ND	ug/l	1.5				
cis-1,2-Dichloroethene	ND	ug/l	1.0				
Trichloroethene	ND	ug/l	1.0				
1,2-Dichlorobenzene	ND	ug/l	5.0				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0711359

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01-02 (WG289896-6)							
Volatile Organics by GC/MS 624 cont'd				5 624		0808 09:01	MM
1,3-Dichlorobenzene	ND	ug/l	5.0				
1,4-Dichlorobenzene	ND	ug/l	5.0				
p/m-Xylene	ND	ug/l	2.0				
o-xylene	ND	ug/l	1.0				
Xylene (Total)	ND	ug/l	2.0				
Styrene	ND	ug/l	1.0				
Acetone	ND	ug/l	10.				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	10.				
Vinyl acetate	ND	ug/l	20.				
4-Methyl-2-pentanone	ND	ug/l	10.				
2-Hexanone	ND	ug/l	10.				
Acrolein	ND	ug/l	8.0				
Acrylonitrile	ND	ug/l	10.				
Surrogate(s)	Recovery		QC Criteria				
Pentafluorobenzene	85.0	%	80-120				
Fluorobenzene	98.0	%	80-120				
4-Bromofluorobenzene	108	%	80-120				

Blank Analysis for sample(s) 01 (WG289965-1)							
SVOC's by GC/MS 8270				1 8270C		0808 15:15	0809 11:50 AK
Acenaphthene	ND	ug/l	5.0				
Benzidine	ND	ug/l	50.				
1,2,4-Trichlorobenzene	ND	ug/l	5.0				
Hexachlorobenzene	ND	ug/l	5.0				
Bis(2-chloroethyl)ether	ND	ug/l	5.0				
1-Chloronaphthalene	ND	ug/l	5.0				
2-Chloronaphthalene	ND	ug/l	6.0				
1,2-Dichlorobenzene	ND	ug/l	5.0				
1,3-Dichlorobenzene	ND	ug/l	5.0				
1,4-Dichlorobenzene	ND	ug/l	5.0				
3,3'-Dichlorobenzidine	ND	ug/l	50.				
2,4-Dinitrotoluene	ND	ug/l	6.0				
2,6-Dinitrotoluene	ND	ug/l	5.0				
Azobenzene	ND	ug/l	5.0				
Fluoranthene	ND	ug/l	5.0				
4-Chlorophenyl phenyl ether	ND	ug/l	5.0				
4-Bromophenyl phenyl ether	ND	ug/l	5.0				
Bis(2-chloroisopropyl)ether	ND	ug/l	5.0				
Bis(2-chloroethoxy)methane	ND	ug/l	5.0				
Hexachlorobutadiene	ND	ug/l	10.				
Hexachlorocyclopentadiene	ND	ug/l	30.				
Hexachloroethane	ND	ug/l	5.0				
Isophorone	ND	ug/l	5.0				
Naphthalene	ND	ug/l	5.0				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0711359

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01 (WG289965-1)							
SVOC's by GC/MS 8270 cont'd				1 8270C	0808 15:15	0809 11:50	AK
Nitrobenzene	ND	ug/l	5.0				
NDPA/DPA	ND	ug/l	15.				
n-Nitrosodi-n-propylamine	ND	ug/l	5.0				
Bis(2-ethylhexyl)phthalate	ND	ug/l	5.0				
Butyl benzyl phthalate	ND	ug/l	5.0				
Di-n-butylphthalate	ND	ug/l	5.0				
Di-n-octylphthalate	ND	ug/l	5.0				
Diethyl phthalate	ND	ug/l	5.0				
Dimethyl phthalate	ND	ug/l	5.0				
Benzo(a)anthracene	ND	ug/l	5.0				
Benzo(a)pyrene	ND	ug/l	5.0				
Benzo(b)fluoranthene	ND	ug/l	5.0				
Benzo(k)fluoranthene	ND	ug/l	5.0				
Chrysene	ND	ug/l	5.0				
Acenaphthylene	ND	ug/l	5.0				
Anthracene	ND	ug/l	5.0				
Benzo(ghi)perylene	ND	ug/l	5.0				
Fluorene	ND	ug/l	5.0				
Phenanthrene	ND	ug/l	5.0				
Dibenzo(a,h)anthracene	ND	ug/l	5.0				
Indeno(1,2,3-cd)pyrene	ND	ug/l	7.0				
Pyrene	ND	ug/l	5.0				
Benzo(e)pyrene	ND	ug/l	5.0				
Biphenyl	ND	ug/l	5.0				
Perylene	ND	ug/l	5.0				
Aniline	ND	ug/l	20.				
4-Chloroaniline	ND	ug/l	5.0				
1-Methylnaphthalene	ND	ug/l	5.0				
2-Nitroaniline	ND	ug/l	5.0				
3-Nitroaniline	ND	ug/l	5.0				
4-Nitroaniline	ND	ug/l	7.0				
Dibenzofuran	ND	ug/l	5.0				
a,a-Dimethylphenethylamine	ND	ug/l	50.				
Hexachloropropene	ND	ug/l	10.				
Nitrosodi-n-butylamine	ND	ug/l	10.				
2-Methylnaphthalene	ND	ug/l	5.0				
1,2,4,5-Tetrachlorobenzene	ND	ug/l	20.				
Pentachlorobenzene	ND	ug/l	20.				
a-Naphthylamine	ND	ug/l	25.				
b-Naphthylamine	ND	ug/l	20.				
Phenacetin	ND	ug/l	10.				
Dimethoate	ND	ug/l	20.				
4-Aminobiphenyl	ND	ug/l	10.				
Pentachloronitrobenzene	ND	ug/l	10.				
Isodrin	ND	ug/l	10.				
p-Dimethylaminoazobenzene	ND	ug/l	10.				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0711359

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01 (WG289965-1)							
SVOC's by GC/MS 8270 cont'd				1 8270C	0808 15:15	0809 11:50	AK
Chlorobenzilate	ND	ug/l	20.				
3-Methylcholanthrene	ND	ug/l	20.				
Ethyl Methanesulfonate	ND	ug/l	15.				
Acetophenone	ND	ug/l	20.				
Nitrosodipiperidine	ND	ug/l	20.				
7,12-Dimethylbenz(a)anthracene	ND	ug/l	20.				
n-Nitrosodimethylamine	ND	ug/l	50.				
2,4,6-Trichlorophenol	ND	ug/l	5.0				
p-Chloro-m-cresol	ND	ug/l	5.0				
2-Chlorophenol	ND	ug/l	6.0				
2,4-Dichlorophenol	ND	ug/l	10.				
2,4-Dimethylphenol	ND	ug/l	10.				
2-Nitrophenol	ND	ug/l	20.				
4-Nitrophenol	ND	ug/l	10.				
2,4-Dinitrophenol	ND	ug/l	30.				
4,6-Dinitro-o-cresol	ND	ug/l	20.				
Pentachlorophenol	ND	ug/l	10.				
Phenol	ND	ug/l	7.0				
2-Methylphenol	ND	ug/l	6.0				
3-Methylphenol/4-Methylphenol	ND	ug/l	6.0				
2,4,5-Trichlorophenol	ND	ug/l	5.0				
2,6-Dichlorophenol	ND	ug/l	10.				
Benzoic Acid	ND	ug/l	50.				
Benzyl Alcohol	ND	ug/l	10.				
Carbazole	ND	ug/l	5.0				
Pyridine	ND	ug/l	50.				
2-Picoline	ND	ug/l	20.				
Pronamide	ND	ug/l	20.				
Methyl methanesulfonate	ND	ug/l	20.				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	34.0	%	21-120				
Phenol-d6	24.0	%	10-120				
Nitrobenzene-d5	51.0	%	23-120				
2-Fluorobiphenyl	51.0	%	43-120				
2,4,6-Tribromophenol	76.0	%	10-120				
4-Terphenyl-d14	77.0	%	33-120				
Blank Analysis for sample(s) 02 (WG290138-1)							
SVOC's by GC/MS 8270				1 8270C	0809 16:15	0810 12:15	AK
Acenaphthene	ND	ug/l	5.0				
Benzidine	ND	ug/l	50.				
1,2,4-Trichlorobenzene	ND	ug/l	5.0				
Hexachlorobenzene	ND	ug/l	5.0				
Bis(2-chloroethyl)ether	ND	ug/l	5.0				
1-Chloronaphthalene	ND	ug/l	5.0				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0711359

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 02 (WG290138-1)							
SVOC's by GC/MS 8270 cont'd				1 8270C	0809 16:15	0810 12:15	AK
2-Chloronaphthalene	ND	ug/l	6.0				
1,2-Dichlorobenzene	ND	ug/l	5.0				
1,3-Dichlorobenzene	ND	ug/l	5.0				
1,4-Dichlorobenzene	ND	ug/l	5.0				
3,3'-Dichlorobenzidine	ND	ug/l	50.				
2,4-Dinitrotoluene	ND	ug/l	6.0				
2,6-Dinitrotoluene	ND	ug/l	5.0				
Azobenzene	ND	ug/l	5.0				
Fluoranthene	ND	ug/l	5.0				
4-Chlorophenyl phenyl ether	ND	ug/l	5.0				
4-Bromophenyl phenyl ether	ND	ug/l	5.0				
Bis(2-chloroisopropyl)ether	ND	ug/l	5.0				
Bis(2-chloroethoxy)methane	ND	ug/l	5.0				
Hexachlorobutadiene	ND	ug/l	10.				
Hexachlorocyclopentadiene	ND	ug/l	30.				
Hexachloroethane	ND	ug/l	5.0				
Isophorone	ND	ug/l	5.0				
Naphthalene	ND	ug/l	5.0				
Nitrobenzene	ND	ug/l	5.0				
NDPA/DPA	ND	ug/l	15.				
n-Nitrosodi-n-propylamine	ND	ug/l	5.0				
Bis(2-ethylhexyl)phthalate	ND	ug/l	5.0				
Butyl benzyl phthalate	ND	ug/l	5.0				
Di-n-butylphthalate	ND	ug/l	5.0				
Di-n-octylphthalate	ND	ug/l	5.0				
Diethyl phthalate	ND	ug/l	5.0				
Dimethyl phthalate	ND	ug/l	5.0				
Benzo(a)anthracene	ND	ug/l	5.0				
Benzo(a)pyrene	ND	ug/l	5.0				
Benzo(b)fluoranthene	ND	ug/l	5.0				
Benzo(k)fluoranthene	ND	ug/l	5.0				
Chrysene	ND	ug/l	5.0				
Acenaphthylene	ND	ug/l	5.0				
Anthracene	ND	ug/l	5.0				
Benzo(ghi)perylene	ND	ug/l	5.0				
Fluorene	ND	ug/l	5.0				
Phenanthrene	ND	ug/l	5.0				
Dibenzo(a,h)anthracene	ND	ug/l	5.0				
Indeno(1,2,3-cd)pyrene	ND	ug/l	7.0				
Pyrene	ND	ug/l	5.0				
Benzo(e)pyrene	ND	ug/l	5.0				
Biphenyl	ND	ug/l	5.0				
Perylene	ND	ug/l	5.0				
Aniline	ND	ug/l	20.				
4-Chloroaniline	ND	ug/l	5.0				
1-Methylnaphthalene	ND	ug/l	5.0				

ALPHA ANALYTICAL LABORATORIES
 QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0711359

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 02 (WG290138-1)							
SVOC's by GC/MS 8270 cont'd				1 8270C	0809 16:15	0810 12:15	AK
2-Nitroaniline	ND	ug/l	5.0				
3-Nitroaniline	ND	ug/l	5.0				
4-Nitroaniline	ND	ug/l	7.0				
Dibenzofuran	ND	ug/l	5.0				
a,a-Dimethylphenethylamine	ND	ug/l	50.				
Hexachloropropene	ND	ug/l	10.				
Nitrosodi-n-butylamine	ND	ug/l	10.				
2-Methylnaphthalene	ND	ug/l	5.0				
1,2,4,5-Tetrachlorobenzene	ND	ug/l	20.				
Pentachlorobenzene	ND	ug/l	20.				
a-Naphthylamine	ND	ug/l	25.				
b-Naphthylamine	ND	ug/l	20.				
Phenacetin	ND	ug/l	10.				
Dimethoate	ND	ug/l	20.				
4-Aminobiphenyl	ND	ug/l	10.				
Pentachloronitrobenzene	ND	ug/l	10.				
Isodrin	ND	ug/l	10.				
p-Dimethylaminoazobenzene	ND	ug/l	10.				
Chlorobenzilate	ND	ug/l	20.				
3-Methylcholanthrene	ND	ug/l	20.				
Ethyl Methanesulfonate	ND	ug/l	15.				
Acetophenone	ND	ug/l	20.				
Nitrosodipiperidine	ND	ug/l	20.				
7,12-Dimethylbenz(a)anthracene	ND	ug/l	20.				
n-Nitrosodimethylamine	ND	ug/l	50.				
2,4,6-Trichlorophenol	ND	ug/l	5.0				
p-Chloro-m-cresol	ND	ug/l	5.0				
2-Chlorophenol	ND	ug/l	6.0				
2,4-Dichlorophenol	ND	ug/l	10.				
2,4-Dimethylphenol	ND	ug/l	10.				
2-Nitrophenol	ND	ug/l	20.				
4-Nitrophenol	ND	ug/l	10.				
2,4-Dinitrophenol	ND	ug/l	30.				
4,6-Dinitro-o-cresol	ND	ug/l	20.				
Pentachlorophenol	ND	ug/l	10.				
Phenol	ND	ug/l	7.0				
2-Methylphenol	ND	ug/l	6.0				
3-Methylphenol/4-Methylphenol	ND	ug/l	6.0				
2,4,5-Trichlorophenol	ND	ug/l	5.0				
2,6-Dichlorophenol	ND	ug/l	10.				
Benzoic Acid	ND	ug/l	50.				
Benzyl Alcohol	ND	ug/l	10.				
Carbazole	ND	ug/l	5.0				
Pyridine	ND	ug/l	50.				
2-Picoline	ND	ug/l	20.				
Pronamide	ND	ug/l	20.				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0711359

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 02 (WG290138-1)							
SVOC's by GC/MS 8270 cont'd				1	8270C	0809 16:15	0810 12:15 AK
Methyl methanesulfonate	ND	ug/l	20.				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	40.0	%	21-120				
Phenol-d6	29.0	%	10-120				
Nitrobenzene-d5	61.0	%	23-120				
2-Fluorobiphenyl	56.0	%	43-120				
2,4,6-Tribromophenol	85.0	%	10-120				
4-Terphenyl-d14	85.0	%	33-120				
Blank Analysis for sample(s) 01-02 (WG289964-1)							
PAH by GC/MS SIM 8270M				1	8270C-M	0808 15:15	0809 15:26 HL
Acenaphthene	ND	ug/l	0.20				
2-Chloronaphthalene	ND	ug/l	0.20				
Fluoranthene	ND	ug/l	0.20				
Hexachlorobutadiene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	0.20				
Benzo(a)anthracene	ND	ug/l	0.20				
Benzo(a)pyrene	ND	ug/l	0.20				
Benzo(b)fluoranthene	ND	ug/l	0.20				
Benzo(k)fluoranthene	ND	ug/l	0.20				
Chrysene	ND	ug/l	0.20				
Acenaphthylene	ND	ug/l	0.20				
Anthracene	ND	ug/l	0.20				
Benzo(ghi)perylene	ND	ug/l	0.20				
Fluorene	ND	ug/l	0.20				
Phenanthrene	ND	ug/l	0.20				
Dibenzo(a,h)anthracene	ND	ug/l	0.20				
Indeno(1,2,3-cd)Pyrene	ND	ug/l	0.20				
Pyrene	ND	ug/l	0.20				
1-Methylnaphthalene	ND	ug/l	0.20				
2-Methylnaphthalene	ND	ug/l	0.20				
Pentachlorophenol	ND	ug/l	0.80				
Hexachlorobenzene	ND	ug/l	0.80				
Perylene	ND	ug/l	0.20				
Biphenyl	ND	ug/l	0.20				
2,6-Dimethylnaphthalene	ND	ug/l	0.20				
1-Methylphenanthrene	ND	ug/l	0.20				
Benzo(e)Pyrene	ND	ug/l	0.20				
Hexachloroethane	ND	ug/l	0.80				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	33.0	%	21-120				
Phenol-d6	25.0	%	10-120				
Nitrobenzene-d5	50.0	%	23-120				
2-Fluorobiphenyl	48.0	%	43-120				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0711359

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	ANAL	ID
Blank Analysis for sample(s) 01-02 (WG289964-1)							
PAH by GC/MS SIM 8270M cont'd				1 8270C-M	0808 15:15	0809 15:26	HL
2,4,6-Tribromophenol	59.0	%	10-120				
4-Terphenyl-d14	77.0	%	33-120				

ALPHA ANALYTICAL LABORATORIES
ADDENDUM I

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
5. Methods for the Organic Chemical Analysis of Municipal and Industrial Wastewater. Appendix A, Part 136, 40 CFR (Code of Federal Regulations).
19. Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.
30. Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

GLOSSARY OF TERMS AND SYMBOLS

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

LIMITATION OF LIABILITIES

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

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

ALPHA ANALYTICAL LABORATORIES

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

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

CERTIFICATE OF ANALYSIS

Client: ERM-New England **Laboratory Job Number:** L0711560
Address: 399 Boylston Street
6th Floor **Date Received:** 10-AUG-2007
Boston, MA 02116 **Date Reported:** 15-AUG-2007
Attn: Mr. Jason Flattery **Delivery Method:** Alpha
Project Number: 0051545
Site: NA SOIL EXCAVATION

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0711560-01	INF-20070810-01	RAYTHEON WAYLAND
L0711560-02	EFF-20070810-01	RAYTHEON WAYLAND

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

Authorized by: Michelle M. Morris
Technical Representative

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0711560

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.

Solids, Total Suspended

L0711560-01 has an elevated detection limit due to the 6x dilution required by the elevated concentrations of Solids in the sample.

Volatile Organics

Re-analysis on a 12.5x dilution was required in order to quantitate sample L0711560-01 within the range of the calibration. The result is reported as a greater than value for the compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound which exceeded the range of the calibration.

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

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

Laboratory Sample Number: L0711560-01	Date Collected: 10-AUG-2007 06:35
INF-20070810-01	Date Received : 10-AUG-2007
Sample Matrix: WATER	Date Reported : 15-AUG-2007
Condition of Sample: Satisfactory	Field Prep: None
Number & Type of Containers: 2-Amber,2-Plastic,2-Vial	

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Solids, Total Suspended	520	mg/l	30	30 2540D	0813 14:05	DW
pH (H)	6.9	SU	-	30 4500H+-B	0813 17:15	LR
Total Metals						
Arsenic, Total	0.0051	mg/l	0.0005	1 6020	0811 10:30 0814 18:24	BM
Copper, Total	0.0332	mg/l	0.0005	1 6020	0811 10:30 0814 18:24	BM
Iron, Total	24	mg/l	0.05	19 200.7	0811 10:30 0813 14:09	AI
Nickel, Total	0.0307	mg/l	0.0005	1 6020	0811 10:30 0814 18:24	BM
Volatile Organics by GC/MS 624						
Methylene chloride	ND	ug/l	5.0	5 624	0810 16:52	MM
1,1-Dichloroethane	ND	ug/l	1.5			
Chloroform	ND	ug/l	1.5			
Carbon tetrachloride	ND	ug/l	1.0			
1,2-Dichloropropane	ND	ug/l	3.5			
Dibromochloromethane	ND	ug/l	1.0			
1,1,2-Trichloroethane	ND	ug/l	1.5			
2-Chloroethylvinyl ether	ND	ug/l	10.			
Tetrachloroethene	>200	ug/l	1.5			
Chlorobenzene	ND	ug/l	3.5			
Trichlorofluoromethane	ND	ug/l	5.0			
1,2-Dichloroethane	ND	ug/l	1.5			
1,1,1-Trichloroethane	ND	ug/l	2.0			
Bromodichloromethane	ND	ug/l	1.0			
trans-1,3-Dichloropropene	ND	ug/l	1.5			
cis-1,3-Dichloropropene	ND	ug/l	1.5			
Bromoform	ND	ug/l	1.0			
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0			
Benzene	ND	ug/l	1.0			
Toluene	1.6	ug/l	1.0			
Ethylbenzene	ND	ug/l	1.0			
Chloromethane	ND	ug/l	10.			
Bromomethane	ND	ug/l	5.0			
Vinyl chloride	ND	ug/l	2.0			
Chloroethane	ND	ug/l	2.0			
1,1-Dichloroethene	ND	ug/l	1.0			
trans-1,2-Dichloroethene	ND	ug/l	1.5			

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0711560-01
INF-20070810-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 624 cont'd				5 624	0810 16:52 MM		
cis-1,2-Dichloroethene	100	ug/l	1.0				
Trichloroethene	>200	ug/l	1				
1,2-Dichlorobenzene	ND	ug/l	5.0				
1,3-Dichlorobenzene	ND	ug/l	5.0				
1,4-Dichlorobenzene	ND	ug/l	5.0				
p/m-Xylene	ND	ug/l	2.0				
o-xylene	ND	ug/l	1.0				
Xylene (Total)	ND	ug/l	2.0				
Styrene	ND	ug/l	1.0				
Acetone	ND	ug/l	10.				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	10.				
Vinyl acetate	ND	ug/l	20.				
4-Methyl-2-pentanone	ND	ug/l	10.				
2-Hexanone	ND	ug/l	10.				
Acrolein	ND	ug/l	8.0				
Acrylonitrile	ND	ug/l	10.				
Methyl tert butyl ether	ND	ug/l	20.				
1,4-Dioxane	ND	ug/l	2000				
Tert-Butyl Alcohol	ND	ug/l	100				
Tertiary-Amyl Methyl Ether	ND	ug/l	20.				
Surrogate(s)	Recovery		QC Criteria				
Pentafluorobenzene	102	%	80-120				
Fluorobenzene	98.0	%	80-120				
4-Bromofluorobenzene	106	%	80-120				
Volatile Organics by GC/MS 624				5 624	0813 11:47 MM		
Tetrachloroethene	180	ug/l	19				
Trichloroethene	1900	ug/l	12				
Surrogate(s)	Recovery		QC Criteria				
Pentafluorobenzene	87.0	%	80-120				
Fluorobenzene	98.0	%	80-120				
4-Bromofluorobenzene	109	%	80-120				
SVOC's by GC/MS 8270				1 8270C	0811 10:30 0813 17:15 RL		
Acenaphthene	ND	ug/l	4.9				
Benzidine	ND	ug/l	49.				
1,2,4-Trichlorobenzene	ND	ug/l	4.9				
Hexachlorobenzene	ND	ug/l	4.9				
Bis(2-chloroethyl)ether	ND	ug/l	4.9				
1-Chloronaphthalene	ND	ug/l	4.9				
2-Chloronaphthalene	ND	ug/l	5.9				
1,2-Dichlorobenzene	ND	ug/l	4.9				
1,3-Dichlorobenzene	ND	ug/l	4.9				
1,4-Dichlorobenzene	ND	ug/l	4.9				
3,3'-Dichlorobenzidine	ND	ug/l	49.				
2,4-Dinitrotoluene	ND	ug/l	5.9				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0711560-01
INF-20070810-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1 8270C	0811 10:30	0813 17:15	RL
2,6-Dinitrotoluene	ND	ug/l	4.9				
Azobenzene	ND	ug/l	4.9				
Fluoranthene	ND	ug/l	4.9				
4-Chlorophenyl phenyl ether	ND	ug/l	4.9				
4-Bromophenyl phenyl ether	ND	ug/l	4.9				
Bis(2-chloroisopropyl)ether	ND	ug/l	4.9				
Bis(2-chloroethoxy)methane	ND	ug/l	4.9				
Hexachlorobutadiene	ND	ug/l	9.9				
Hexachlorocyclopentadiene	ND	ug/l	30.				
Hexachloroethane	ND	ug/l	4.9				
Isophorone	ND	ug/l	4.9				
Naphthalene	ND	ug/l	4.9				
Nitrobenzene	ND	ug/l	4.9				
NDPA/DPA	ND	ug/l	15.				
n-Nitrosodi-n-propylamine	ND	ug/l	4.9				
Bis(2-ethylhexyl)phthalate	9.8	ug/l	4.9				
Butyl benzyl phthalate	18	ug/l	4.9				
Di-n-butylphthalate	ND	ug/l	4.9				
Di-n-octylphthalate	ND	ug/l	4.9				
Diethyl phthalate	ND	ug/l	4.9				
Dimethyl phthalate	ND	ug/l	4.9				
Benzo(a)anthracene	ND	ug/l	4.9				
Benzo(a)pyrene	ND	ug/l	4.9				
Benzo(b)fluoranthene	ND	ug/l	4.9				
Benzo(k)fluoranthene	ND	ug/l	4.9				
Chrysene	ND	ug/l	4.9				
Acenaphthylene	ND	ug/l	4.9				
Anthracene	ND	ug/l	4.9				
Benzo(ghi)perylene	ND	ug/l	4.9				
Fluorene	ND	ug/l	4.9				
Phenanthrene	ND	ug/l	4.9				
Dibenzo(a,h)anthracene	ND	ug/l	4.9				
Indeno(1,2,3-cd)pyrene	ND	ug/l	6.9				
Pyrene	ND	ug/l	4.9				
Benzo(e)pyrene	ND	ug/l	4.9				
Biphenyl	ND	ug/l	4.9				
Perylene	ND	ug/l	4.9				
Aniline	ND	ug/l	20.				
4-Chloroaniline	ND	ug/l	4.9				
1-Methylnaphthalene	ND	ug/l	4.9				
2-Nitroaniline	ND	ug/l	4.9				
3-Nitroaniline	ND	ug/l	4.9				
4-Nitroaniline	ND	ug/l	6.9				
Dibenzofuran	ND	ug/l	4.9				
a,a-Dimethylphenethylamine	ND	ug/l	49.				
Hexachloropropene	ND	ug/l	9.9				
Nitrosodi-n-butylamine	ND	ug/l	9.9				
2-Methylnaphthalene	ND	ug/l	4.9				
1,2,4,5-Tetrachlorobenzene	ND	ug/l	20.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0711560-01
INF-20070810-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1 8270C	0811 10:30	0813 17:15	RL
Pentachlorobenzene	ND	ug/l	20.				
a-Naphthylamine	ND	ug/l	25.				
b-Naphthylamine	ND	ug/l	20.				
Phenacetin	ND	ug/l	9.9				
Dimethoate	ND	ug/l	20.				
4-Aminobiphenyl	ND	ug/l	9.9				
Pentachloronitrobenzene	ND	ug/l	9.9				
Isodrin	ND	ug/l	9.9				
p-Dimethylaminoazobenzene	ND	ug/l	9.9				
Chlorobenzilate	ND	ug/l	20.				
3-Methylcholanthrene	ND	ug/l	20.				
Ethyl Methanesulfonate	ND	ug/l	15.				
Acetophenone	ND	ug/l	20.				
Nitrosodipiperidine	ND	ug/l	20.				
7,12-Dimethylbenz(a)anthracene	ND	ug/l	20.				
n-Nitrosodimethylamine	ND	ug/l	49.				
2,4,6-Trichlorophenol	ND	ug/l	4.9				
p-Chloro-m-cresol	ND	ug/l	4.9				
2-Chlorophenol	ND	ug/l	5.9				
2,4-Dichlorophenol	ND	ug/l	9.9				
2,4-Dimethylphenol	ND	ug/l	9.9				
2-Nitrophenol	ND	ug/l	20.				
4-Nitrophenol	ND	ug/l	9.9				
2,4-Dinitrophenol	ND	ug/l	30.				
4,6-Dinitro-o-cresol	ND	ug/l	20.				
Pentachlorophenol	ND	ug/l	9.9				
Phenol	ND	ug/l	6.9				
2-Methylphenol	ND	ug/l	5.9				
3-Methylphenol/4-Methylphenol	ND	ug/l	5.9				
2,4,5-Trichlorophenol	ND	ug/l	4.9				
2,6-Dichlorophenol	ND	ug/l	9.9				
Benzoic Acid	ND	ug/l	49.				
Benzyl Alcohol	ND	ug/l	9.9				
Carbazole	ND	ug/l	4.9				
Pyridine	ND	ug/l	49.				
2-Picoline	ND	ug/l	20.				
Pronamide	ND	ug/l	20.				
Methyl methanesulfonate	ND	ug/l	20.				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	34.0	%	21-120				
Phenol-d6	25.0	%	10-120				
Nitrobenzene-d5	63.0	%	23-120				
2-Fluorobiphenyl	59.0	%	43-120				
2,4,6-Tribromophenol	102	%	10-120				
4-Terphenyl-d14	86.0	%	33-120				
PAH by GC/MS SIM 8270M				1 8270C-M	0811 10:30	0813 17:54	HL
Acenaphthene	ND	ug/l	0.20				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0711560-01
INF-20070810-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
PAH by GC/MS SIM 8270M cont'd				1	8270C-M	0811 10:30	0813 17:54 HL
2-Chloronaphthalene	ND	ug/l	0.20				
Fluoranthene	ND	ug/l	0.20				
Hexachlorobutadiene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	0.20				
Benzo(a)anthracene	ND	ug/l	0.20				
Benzo(a)pyrene	ND	ug/l	0.20				
Benzo(b)fluoranthene	ND	ug/l	0.20				
Benzo(k)fluoranthene	ND	ug/l	0.20				
Chrysene	ND	ug/l	0.20				
Acenaphthylene	ND	ug/l	0.20				
Anthracene	ND	ug/l	0.20				
Benzo(ghi)perylene	ND	ug/l	0.20				
Fluorene	ND	ug/l	0.20				
Phenanthrene	ND	ug/l	0.20				
Dibenzo(a,h)anthracene	ND	ug/l	0.20				
Indeno(1,2,3-cd)Pyrene	ND	ug/l	0.20				
Pyrene	ND	ug/l	0.20				
1-Methylnaphthalene	ND	ug/l	0.20				
2-Methylnaphthalene	ND	ug/l	0.20				
Pentachlorophenol	ND	ug/l	0.80				
Hexachlorobenzene	ND	ug/l	0.80				
Perylene	ND	ug/l	0.20				
Biphenyl	ND	ug/l	0.20				
2,6-Dimethylnaphthalene	ND	ug/l	0.20				
1-Methylphenanthrene	ND	ug/l	0.20				
Benzo(e)Pyrene	ND	ug/l	0.20				
Hexachloroethane	ND	ug/l	0.80				
Surrogate(s)	Recovery			QC Criteria			
2-Fluorophenol	31.0	%		21-120			
Phenol-d6	25.0	%		10-120			
Nitrobenzene-d5	52.0	%		23-120			
2-Fluorobiphenyl	49.0	%		43-120			
2,4,6-Tribromophenol	65.0	%		10-120			
4-Terphenyl-d14	72.0	%		33-120			

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

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

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

Laboratory Sample Number: L0711560-02	Date Collected: 10-AUG-2007 06:45
EFF-20070810-01	Date Received : 10-AUG-2007
Sample Matrix: WATER	Date Reported : 15-AUG-2007
Condition of Sample: Satisfactory	Field Prep: None

Number & Type of Containers: 2-Amber,2-Plastic,2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Solids, Total Suspended	ND	mg/l	5.0	30 2540D	0813 14:05	DW
pH (H)	7.9	SU	-	30 4500H+-B	0813 17:15	LR
Total Metals						
Arsenic, Total	0.0216	mg/l	0.0005	1 6020	0811 10:30 0814 18:29	BM
Copper, Total	0.0812	mg/l	0.0005	1 6020	0811 10:30 0814 18:29	BM
Iron, Total	1.0	mg/l	0.05	19 200.7	0811 10:30 0813 14:14	AI
Nickel, Total	0.0086	mg/l	0.0005	1 6020	0811 10:30 0814 18:29	BM
Volatile Organics by GC/MS 624						
Methylene chloride	ND	ug/l	5.0	5 624	0810 16:18	MM
1,1-Dichloroethane	ND	ug/l	1.5			
Chloroform	ND	ug/l	1.5			
Carbon tetrachloride	ND	ug/l	1.0			
1,2-Dichloropropane	ND	ug/l	3.5			
Dibromochloromethane	ND	ug/l	1.0			
1,1,2-Trichloroethane	ND	ug/l	1.5			
2-Chloroethylvinyl ether	ND	ug/l	10.			
Tetrachloroethene	ND	ug/l	1.5			
Chlorobenzene	ND	ug/l	3.5			
Trichlorofluoromethane	ND	ug/l	5.0			
1,2-Dichloroethane	ND	ug/l	1.5			
1,1,1-Trichloroethane	ND	ug/l	2.0			
Bromodichloromethane	ND	ug/l	1.0			
trans-1,3-Dichloropropene	ND	ug/l	1.5			
cis-1,3-Dichloropropene	ND	ug/l	1.5			
Bromoform	ND	ug/l	1.0			
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0			
Benzene	ND	ug/l	1.0			
Toluene	ND	ug/l	1.0			
Ethylbenzene	ND	ug/l	1.0			
Chloromethane	ND	ug/l	10.			
Bromomethane	ND	ug/l	5.0			
Vinyl chloride	ND	ug/l	2.0			
Chloroethane	ND	ug/l	2.0			
1,1-Dichloroethene	ND	ug/l	1.0			
trans-1,2-Dichloroethene	ND	ug/l	1.5			

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0711560-02
EFF-20070810-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Volatile Organics by GC/MS 624 cont'd				5 624	0810 16:18		MM
cis-1,2-Dichloroethene	ND	ug/l	1.0				
Trichloroethene	ND	ug/l	1.0				
1,2-Dichlorobenzene	ND	ug/l	5.0				
1,3-Dichlorobenzene	ND	ug/l	5.0				
1,4-Dichlorobenzene	ND	ug/l	5.0				
p/m-Xylene	ND	ug/l	2.0				
o-xylene	ND	ug/l	1.0				
Xylene (Total)	ND	ug/l	2.0				
Styrene	ND	ug/l	1.0				
Acetone	ND	ug/l	10.				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	10.				
Vinyl acetate	ND	ug/l	20.				
4-Methyl-2-pentanone	ND	ug/l	10.				
2-Hexanone	ND	ug/l	10.				
Acrolein	ND	ug/l	8.0				
Acrylonitrile	ND	ug/l	10.				
Methyl tert butyl ether	ND	ug/l	20.				
1,4-Dioxane	ND	ug/l	2000				
Tert-Butyl Alcohol	ND	ug/l	100				
Tertiary-Amyl Methyl Ether	ND	ug/l	20.				
Surrogate(s)	Recovery		QC Criteria				
Pentafluorobenzene	84.0	%	80-120				
Fluorobenzene	97.0	%	80-120				
4-Bromofluorobenzene	107	%	80-120				
SVOC's by GC/MS 8270				1 8270C	0811 10:30		0813 17:46 RL
Acenaphthene	ND	ug/l	4.8				
Benzidine	ND	ug/l	48.				
1,2,4-Trichlorobenzene	ND	ug/l	4.8				
Hexachlorobenzene	ND	ug/l	4.8				
Bis(2-chloroethyl)ether	ND	ug/l	4.8				
1-Chloronaphthalene	ND	ug/l	4.8				
2-Chloronaphthalene	ND	ug/l	5.7				
1,2-Dichlorobenzene	ND	ug/l	4.8				
1,3-Dichlorobenzene	ND	ug/l	4.8				
1,4-Dichlorobenzene	ND	ug/l	4.8				
3,3'-Dichlorobenzidine	ND	ug/l	48.				
2,4-Dinitrotoluene	ND	ug/l	5.7				
2,6-Dinitrotoluene	ND	ug/l	4.8				
Azobenzene	ND	ug/l	4.8				
Fluoranthene	ND	ug/l	4.8				
4-Chlorophenyl phenyl ether	ND	ug/l	4.8				
4-Bromophenyl phenyl ether	ND	ug/l	4.8				
Bis(2-chloroisopropyl)ether	ND	ug/l	4.8				
Bis(2-chloroethoxy)methane	ND	ug/l	4.8				
Hexachlorobutadiene	ND	ug/l	9.6				
Hexachlorocyclopentadiene	ND	ug/l	29.				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0711560-02
EFF-20070810-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1 8270C	0811 10:30	0813 17:46	RL
Hexachloroethane	ND	ug/l	4.8				
Isophorone	ND	ug/l	4.8				
Naphthalene	ND	ug/l	4.8				
Nitrobenzene	ND	ug/l	4.8				
NDPA/DPA	ND	ug/l	14.				
n-Nitrosodi-n-propylamine	ND	ug/l	4.8				
Bis(2-ethylhexyl)phthalate	ND	ug/l	4.8				
Butyl benzyl phthalate	ND	ug/l	4.8				
Di-n-butylphthalate	ND	ug/l	4.8				
Di-n-octylphthalate	ND	ug/l	4.8				
Diethyl phthalate	ND	ug/l	4.8				
Dimethyl phthalate	ND	ug/l	4.8				
Benzo(a)anthracene	ND	ug/l	4.8				
Benzo(a)pyrene	ND	ug/l	4.8				
Benzo(b)fluoranthene	ND	ug/l	4.8				
Benzo(k)fluoranthene	ND	ug/l	4.8				
Chrysene	ND	ug/l	4.8				
Acenaphthylene	ND	ug/l	4.8				
Anthracene	ND	ug/l	4.8				
Benzo(ghi)perylene	ND	ug/l	4.8				
Fluorene	ND	ug/l	4.8				
Phenanthrene	ND	ug/l	4.8				
Dibenzo(a,h)anthracene	ND	ug/l	4.8				
Indeno(1,2,3-cd)pyrene	ND	ug/l	6.7				
Pyrene	ND	ug/l	4.8				
Benzo(e)pyrene	ND	ug/l	4.8				
Biphenyl	ND	ug/l	4.8				
Perylene	ND	ug/l	4.8				
Aniline	ND	ug/l	19.				
4-Chloroaniline	ND	ug/l	4.8				
1-Methylnaphthalene	ND	ug/l	4.8				
2-Nitroaniline	ND	ug/l	4.8				
3-Nitroaniline	ND	ug/l	4.8				
4-Nitroaniline	ND	ug/l	6.7				
Dibenzofuran	ND	ug/l	4.8				
a,a-Dimethylphenethylamine	ND	ug/l	48.				
Hexachloropropene	ND	ug/l	9.6				
Nitrosodi-n-butylamine	ND	ug/l	9.6				
2-Methylnaphthalene	ND	ug/l	4.8				
1,2,4,5-Tetrachlorobenzene	ND	ug/l	19.				
Pentachlorobenzene	ND	ug/l	19.				
a-Naphthylamine	ND	ug/l	24.				
b-Naphthylamine	ND	ug/l	19.				
Phenacetin	ND	ug/l	9.6				
Dimethoate	ND	ug/l	19.				
4-Aminobiphenyl	ND	ug/l	9.6				
Pentachloronitrobenzene	ND	ug/l	9.6				
Isodrin	ND	ug/l	9.6				
p-Dimethylaminoazobenzene	ND	ug/l	9.6				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0711560-02
 EFF-20070810-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1 8270C	0811 10:30	0813 17:46	RL
Chlorobenzilate	ND	ug/l	19.				
3-Methylcholanthrene	ND	ug/l	19.				
Ethyl Methanesulfonate	ND	ug/l	14.				
Acetophenone	ND	ug/l	19.				
Nitrosodipiperidine	ND	ug/l	19.				
7,12-Dimethylbenz(a)anthracene	ND	ug/l	19.				
n-Nitrosodimethylamine	ND	ug/l	48.				
2,4,6-Trichlorophenol	ND	ug/l	4.8				
p-Chloro-m-cresol	ND	ug/l	4.8				
2-Chlorophenol	ND	ug/l	5.7				
2,4-Dichlorophenol	ND	ug/l	9.6				
2,4-Dimethylphenol	ND	ug/l	9.6				
2-Nitrophenol	ND	ug/l	19.				
4-Nitrophenol	ND	ug/l	9.6				
2,4-Dinitrophenol	ND	ug/l	29.				
4,6-Dinitro-o-cresol	ND	ug/l	19.				
Pentachlorophenol	ND	ug/l	9.6				
Phenol	ND	ug/l	6.7				
2-Methylphenol	ND	ug/l	5.7				
3-Methylphenol/4-Methylphenol	ND	ug/l	5.7				
2,4,5-Trichlorophenol	ND	ug/l	4.8				
2,6-Dichlorophenol	ND	ug/l	9.6				
Benzoic Acid	ND	ug/l	48.				
Benzyl Alcohol	ND	ug/l	9.6				
Carbazole	ND	ug/l	4.8				
Pyridine	ND	ug/l	48.				
2-Picoline	ND	ug/l	19.				
Pronamide	ND	ug/l	19.				
Methyl methanesulfonate	ND	ug/l	19.				
Surrogate(s)	Recovery			QC Criteria			
2-Fluorophenol	37.0	%		21-120			
Phenol-d6	27.0	%		10-120			
Nitrobenzene-d5	65.0	%		23-120			
2-Fluorobiphenyl	67.0	%		43-120			
2,4,6-Tribromophenol	106	%		10-120			
4-Terphenyl-d14	91.0	%		33-120			
PAH by GC/MS SIM 8270M				1 8270C-M	0811 10:30	0813 18:43	HL
Acenaphthene	ND	ug/l	0.19				
2-Chloronaphthalene	ND	ug/l	0.19				
Fluoranthene	ND	ug/l	0.19				
Hexachlorobutadiene	ND	ug/l	0.48				
Naphthalene	ND	ug/l	0.19				
Benzo(a)anthracene	ND	ug/l	0.19				
Benzo(a)pyrene	ND	ug/l	0.19				
Benzo(b)fluoranthene	ND	ug/l	0.19				
Benzo(k)fluoranthene	ND	ug/l	0.19				
Chrysene	ND	ug/l	0.19				

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

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0711560-02
 EFF-20070810-01

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
PAH by GC/MS SIM 8270M cont'd				1	8270C-M	0811 10:30	0813 18:43 HL
Acenaphthylene	ND	ug/l	0.19				
Anthracene	ND	ug/l	0.19				
Benzo(ghi)perylene	ND	ug/l	0.19				
Fluorene	ND	ug/l	0.19				
Phenanthrene	ND	ug/l	0.19				
Dibenzo(a,h)anthracene	ND	ug/l	0.19				
Indeno(1,2,3-cd)Pyrene	ND	ug/l	0.19				
Pyrene	ND	ug/l	0.19				
1-Methylnaphthalene	ND	ug/l	0.19				
2-Methylnaphthalene	ND	ug/l	0.19				
Pentachlorophenol	ND	ug/l	0.76				
Hexachlorobenzene	ND	ug/l	0.76				
Perylene	ND	ug/l	0.19				
Biphenyl	ND	ug/l	0.19				
2,6-Dimethylnaphthalene	ND	ug/l	0.19				
1-Methylphenanthrene	ND	ug/l	0.19				
Benzo(e)Pyrene	ND	ug/l	0.19				
Hexachloroethane	ND	ug/l	0.76				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	28.0	%	21-120				
Phenol-d6	24.0	%	10-120				
Nitrobenzene-d5	47.0	%	23-120				
2-Fluorobiphenyl	48.0	%	43-120				
2,4,6-Tribromophenol	62.0	%	10-120				
4-Terphenyl-d14	72.0	%	33-120				

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

ALPHA ANALYTICAL LABORATORIES
 QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0711560

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Solids, Total Suspended for sample(s) 01-02 (L0711360-01, WG290366-2)					
Solids, Total Suspended	300	300	mg/l	0	32
pH for sample(s) 01-02 (L0711644-02, WG290450-2)					
pH (H)	4.6	4.6	SU	0	5
Total Metals for sample(s) 01-02 (L0711377-02, WG290336-1)					
Arsenic, Total	ND	ND	mg/l	NC	20
Copper, Total	0.0044	0.0044	mg/l	0	20
Nickel, Total	0.0081	0.0085	mg/l	4	20
Total Metals for sample(s) 01-02 (L0711580-01, WG290338-1)					
Iron, Total	13	13	mg/l	0	
Volatile Organics by GC/MS 624 for sample(s) 01-02 (L0711407-02, WG290227-2)					
Chlorobenzene	ND	ND	ug/l	NC	30
Benzene	ND	ND	ug/l	NC	30
1,2-Dichlorobenzene	ND	ND	ug/l	NC	30
Surrogate(s)	Recovery			QC Criteria	
Pentafluorobenzene	85.0	88.0	%	80-120	
Fluorobenzene	99.0	98.0	%	80-120	
4-Bromofluorobenzene	110	106	%	80-120	

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0711560

Parameter	% Recovery	QC Criteria
pH LCS for sample(s) 01-02 (WG290450-1)		
pH	100	99-101
Total Metals LCS for sample(s) 01-02 (WG290336-4)		
Arsenic, Total	95	80-120
Copper, Total	99	80-120
Nickel, Total	100	80-120
Total Metals LCS for sample(s) 01-02 (WG290338-4)		
Iron, Total	95	
Volatile Organics by GC/MS 624 LCS for sample(s) 01-02 (WG290227-5)		
Methylene chloride	113	10-221
1,1-Dichloroethane	102	59-155
Chloroform	113	51-138
Carbon tetrachloride	112	70-140
1,2-Dichloropropane	109	10-210
Dibromochloromethane	101	53-149
1,1,2-Trichloroethane	98	52-150
2-Chloroethylvinyl ether	70	10-305
Tetrachloroethene	101	64-148
Chlorobenzene	94	37-160
Trichlorofluoromethane	127	17-181
1,2-Dichloroethane	118	49-155
1,1,1-Trichloroethane	108	52-162
Bromodichloromethane	98	35-155
trans-1,3-Dichloropropene	99	17-183
cis-1,3-Dichloropropene	90	10-227
Bromoform	89	45-169
1,1,2,2-Tetrachloroethane	92	46-157
Benzene	122	37-151
Toluene	107	47-150
Ethylbenzene	109	37-162
Chloromethane	111	10-273
Bromomethane	142	10-242
Vinyl chloride	134	10-251
Chloroethane	135	14-230
1,1-Dichloroethene	119	10-234
trans-1,2-Dichloroethene	104	54-156
cis-1,2-Dichloroethene	119	60-140
Trichloroethene	112	71-157
1,2-Dichlorobenzene	96	18-190
1,3-Dichlorobenzene	109	59-156
1,4-Dichlorobenzene	106	18-190
p/m-Xylene	109	40-160
o-Xylene	105	40-160
XYLENE (TOTAL)	107	40-160
Styrene	86	40-160
Acetone	131	40-160

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0711560

Continued

Parameter	% Recovery	QC Criteria
Volatile Organics by GC/MS 624 LCS for sample(s) 01-02 (WG290227-5)		
Carbon disulfide	137	40-160
2-Butanone	106	40-160
Vinyl acetate	107	40-160
4-Methyl-2-pentanone	98	40-160
2-Hexanone	101	40-160
Acrolein	129	40-160
Acrylonitrile	122	40-160
Surrogate(s)		
Pentafluorobenzene	104	80-120
Fluorobenzene	107	80-120
4-Bromofluorobenzene	98	80-120
Volatile Organics by GC/MS 624 LCS for sample(s) 01 (WG290227-7)		
Methylene chloride	128	10-221
1,1-Dichloroethane	107	59-155
Chloroform	121	51-138
Carbon tetrachloride	118	70-140
1,2-Dichloropropane	117	10-210
Dibromochloromethane	98	53-149
1,1,2-Trichloroethane	97	52-150
2-Chloroethylvinyl ether	78	10-305
Tetrachloroethene	98	64-148
Chlorobenzene	88	37-160
Trichlorofluoromethane	136	17-181
1,2-Dichloroethane	129	49-155
1,1,1-Trichloroethane	116	52-162
Bromodichloromethane	95	35-155
trans-1,3-Dichloropropene	88	17-183
cis-1,3-Dichloropropene	83	10-227
Bromoform	83	45-169
1,1,2,2-Tetrachloroethane	90	46-157
Benzene	130	37-151
Toluene	104	47-150
Ethylbenzene	104	37-162
Chloromethane	112	10-273
Bromomethane	118	10-242
Vinyl chloride	145	10-251
Chloroethane	141	14-230
1,1-Dichloroethene	132	10-234
trans-1,2-Dichloroethene	123	54-156
cis-1,2-Dichloroethene	125	60-140
Trichloroethene	120	71-157
1,2-Dichlorobenzene	89	18-190
1,3-Dichlorobenzene	88	59-156
1,4-Dichlorobenzene	96	18-190
p/m-Xylene	105	40-160
o-Xylene	100	40-160

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0711560

Continued

Parameter	% Recovery	QC Criteria
Volatile Organics by GC/MS 624 LCS for sample(s) 01 (WG290227-7)		
XYLENE (TOTAL)	104	40-160
Styrene	85	40-160
Acetone	144	40-160
Carbon disulfide	137	40-160
2-Butanone	112	40-160
Vinyl acetate	95	40-160
4-Methyl-2-pentanone	97	40-160
2-Hexanone	100	40-160
Acrolein	143	40-160
Acrylonitrile	125	40-160
Surrogate(s)		
Pentafluorobenzene	108	80-120
Fluorobenzene	111	80-120
4-Bromofluorobenzene	98	80-120
SVOC's by GC/MS 8270 LCS for sample(s) 01-02 (WG290358-2)		
Acenaphthene	73	46-118
1,2,4-Trichlorobenzene	47	39-98
2-Chloronaphthalene	69	40-140
1,2-Dichlorobenzene	42	40-140
1,4-Dichlorobenzene	38	36-97
2,4-Dinitrotoluene	86	24-96
2,6-Dinitrotoluene	89	40-140
Fluoranthene	103	40-140
4-Chlorophenyl phenyl ether	81	40-140
n-Nitrosodi-n-propylamine	52	41-116
Butyl benzyl phthalate	106	40-140
Anthracene	84	40-140
Pyrene	100	26-127
Hexachloropropene	45	40-140
P-Chloro-M-Cresol	74	23-97
2-Chlorophenol	44	27-123
2-Nitrophenol	55	30-130
4-Nitrophenol	38	10-80
2,4-Dinitrophenol	87	30-130
Pentachlorophenol	101	9-103
Phenol	17	12-110
Surrogate(s)		
2-Fluorophenol	28	21-120
Phenol-d6	21	10-120
Nitrobenzene-d5	52	23-120
2-Fluorobiphenyl	63	43-120
2,4,6-Tribromophenol	106	10-120
4-Terphenyl-d14	98	33-120

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0711560

Continued

Parameter	% Recovery	QC Criteria
PAH by GC/MS SIM 8270M LCS for sample(s) 01-02 (WG290360-2)		
Acenaphthene	46	40-140
2-Chloronaphthalene	42	40-140
Fluoranthene	59	40-140
Anthracene	48	40-140
Pyrene	61	40-140
Pentachlorophenol	52	30-130
Surrogate(s)		
2-Fluorophenol	28	21-120
Phenol-d6	22	10-120
Nitrobenzene-d5	45	23-120
2-Fluorobiphenyl	43	43-120
2,4,6-Tribromophenol	55	10-120
4-Terphenyl-d14	87	33-120
Total Metals SPIKE for sample(s) 01-02 (L0711377-02, WG290336-2)		
Arsenic, Total	103	80-120
Copper, Total	95	80-120
Nickel, Total	100	80-120
Total Metals SPIKE for sample(s) 01-02 (L0711580-01, WG290338-2)		
Iron, Total	100	
Volatile Organics by GC/MS 624 SPIKE for sample(s) 01-02 (L0711407-01, WG290227-1)		
Methylene chloride	104	10-221
1,1-Dichloroethane	90	59-155
Chloroform	102	51-138
Carbon tetrachloride	102	70-140
1,2-Dichloropropane	100	10-210
Dibromochloromethane	87	53-149
1,1,2-Trichloroethane	88	52-150
2-Chloroethylvinyl ether	72	10-305
Tetrachloroethene	88	64-148
Chlorobenzene	82	37-160
Trichlorofluoromethane	114	17-181
1,2-Dichloroethane	107	49-155
1,1,1-Trichloroethane	93	52-162
Bromodichloromethane	85	35-155
trans-1,3-Dichloropropene	81	17-183
cis-1,3-Dichloropropene	72	10-227
Bromoform	77	45-169
1,1,2,2-Tetrachloroethane	83	46-157
Benzene	114	35-151
Toluene	93	47-150
Ethylbenzene	97	37-162
Chloromethane	116	10-273
Bromomethane	122	10-242
Vinyl chloride	136	10-251

ALPHA ANALYTICAL LABORATORIES
 QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0711560

Continued

Parameter	% Recovery	QC Criteria
Volatile Organics by GC/MS 624 SPIKE for sample(s) 01-02 (L0711407-01, WG290227-1)		
Chloroethane	125	14-230
1,1-Dichloroethene	110	10-234
trans-1,2-Dichloroethene	92	54-156
cis-1,2-Dichloroethene	105	60-140
Trichloroethene	97	71-157
1,2-Dichlorobenzene	82	18-190
1,3-Dichlorobenzene	80	59-156
1,4-Dichlorobenzene	86	18-190
p/m-Xylene	97	40-160
o-Xylene	93	40-160
XYLENE (TOTAL)	96	40-160
Styrene	76	40-160
Acetone	128	40-160
Carbon disulfide	103	40-160
2-Butanone	104	40-160
Vinyl acetate	81	40-160
4-Methyl-2-pentanone	99	40-160
2-Hexanone	99	40-160
Acrolein	108	40-160
Acrylonitrile	114	40-160
Surrogate(s)		
Pentafluorobenzene	105	80-120
Fluorobenzene	110	80-120
4-Bromofluorobenzene	97	80-120

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0711560

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
SVOC's by GC/MS 8270 for sample(s) 01-02 (L0711580-01, WG290358-4)					
Acenaphthene	72	72	0	30	46-118
1,2,4-Trichlorobenzene	50	50	0	30	39-98
2-Chloronaphthalene	72	68	6	30	40-140
1,2-Dichlorobenzene	45	45	0	30	40-140
1,4-Dichlorobenzene	43	42	2	30	36-97
2,4-Dinitrotoluene	86	81	6	30	24-96
2,6-Dinitrotoluene	99	90	10	30	40-140
Fluoranthene	95	90	5	30	40-140
4-Chlorophenyl phenyl ether	86	81	6	30	40-140
n-Nitrosodi-n-propylamine	54	54	0	30	41-116
Butyl benzyl phthalate	95	90	5	30	40-140
Anthracene	77	77	0	30	40-140
Pyrene	95	90	5	30	26-127
Hexachloropropene	50	45	11	30	40-140
p-Chloro-m-Cresol	83	79	5	30	23-97
2-Chlorophenol	54	54	0	30	27-123
2-Nitrophenol	63	61	3	30	30-130
4-Nitrophenol	79	70	12	30	10-80
2,4-Dinitrophenol	97	88	10	30	30-130
Pentachlorophenol	100	99	1	30	9-103
Phenol	36	36	0	30	12-110
Surrogate(s)					
2-Fluorophenol	48	47	2		21-120
Phenol-d6	45	47	4		10-120
Nitrobenzene-d5	58	58	0		23-120
2-Fluorobiphenyl	69	69	0		43-120
2,4,6-Tribromophenol	111	108	3		10-120
4-Terphenyl-d14	87	85	2		33-120
PAH by GC/MS SIM 8270M for sample(s) 01-02 (L0711580-01, WG290360-4)					
Acenaphthene	54	54	0	40	40-140
2-Chloronaphthalene	59	59	0	40	40-140
Fluoranthene	76	72	5	40	40-140
Anthracene	63	63	0	40	40-140
Pyrene	76	72	5	40	40-140
Pentachlorophenol	81	74	9	40	30-130
Surrogate(s)					
2-Fluorophenol	48	46	4		21-120
Phenol-d6	50	48	4		10-120
Nitrobenzene-d5	56	55	2		23-120
2-Fluorobiphenyl	58	60	3		43-120
2,4,6-Tribromophenol	60	62	3		10-120
4-Terphenyl-d14	74	72	3		33-120

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0711560

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01-02 (WG290366-1)							
Solids, Total Suspended	ND	mg/l	5.0	30 2540D		0813 14:05	DW
Blank Analysis for sample(s) 01-02 (WG290336-3)							
Total Metals							
Arsenic, Total	ND	mg/l	0.0005	1 6020	0811 10:30	0814 17:50	BM
Copper, Total	ND	mg/l	0.0005	1 6020	0811 10:30	0814 17:50	BM
Nickel, Total	ND	mg/l	0.0005	1 6020	0811 10:30	0814 17:50	BM
Blank Analysis for sample(s) 01-02 (WG290338-3)							
Total Metals							
				19 200.7			
Iron, Total	ND	mg/l	0.05	19 200.7	0811 10:30	0813 13:05	AI
Blank Analysis for sample(s) 01-02 (WG290227-6)							
Volatile Organics by GC/MS 624							
				5 624		0810 07:58	MM
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	1.5				
Chloroform	ND	ug/l	1.5				
Carbon tetrachloride	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	3.5				
Dibromochloromethane	ND	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.5				
2-Chloroethylvinyl ether	ND	ug/l	10.				
Tetrachloroethene	ND	ug/l	1.5				
Chlorobenzene	ND	ug/l	3.5				
Trichlorofluoromethane	ND	ug/l	5.0				
1,2-Dichloroethane	ND	ug/l	1.5				
1,1,1-Trichloroethane	ND	ug/l	2.0				
Bromodichloromethane	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.5				
cis-1,3-Dichloropropene	ND	ug/l	1.5				
Bromoform	ND	ug/l	1.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Benzene	ND	ug/l	1.0				
Toluene	ND	ug/l	1.0				
Ethylbenzene	ND	ug/l	1.0				
Chloromethane	ND	ug/l	10.				
Bromomethane	ND	ug/l	5.0				
Vinyl chloride	ND	ug/l	2.0				
Chloroethane	ND	ug/l	2.0				
1,1-Dichloroethene	ND	ug/l	1.0				
trans-1,2-Dichloroethene	ND	ug/l	1.5				
cis-1,2-Dichloroethene	ND	ug/l	1.0				
Trichloroethene	ND	ug/l	1.0				
1,2-Dichlorobenzene	ND	ug/l	5.0				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0711560

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01-02 (WG290227-6)							
Volatile Organics by GC/MS 624 cont'd				5 624		0810 07:58 MM	
1,3-Dichlorobenzene	ND	ug/l	5.0				
1,4-Dichlorobenzene	ND	ug/l	5.0				
p/m-Xylene	ND	ug/l	2.0				
o-xylene	ND	ug/l	1.0				
Xylene (Total)	ND	ug/l	2.0				
Styrene	ND	ug/l	1.0				
Acetone	ND	ug/l	10.				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	10.				
Vinyl acetate	ND	ug/l	20.				
4-Methyl-2-pentanone	ND	ug/l	10.				
2-Hexanone	ND	ug/l	10.				
Acrolein	ND	ug/l	8.0				
Acrylonitrile	ND	ug/l	10.				
Surrogate(s)	Recovery		QC Criteria				
Pentafluorobenzene	91.0	%	80-120				
Fluorobenzene	100	%	80-120				
4-Bromofluorobenzene	107	%	80-120				
Blank Analysis for sample(s) 01 (WG290227-8)							
Volatile Organics by GC/MS 624				5 624		0813 09:33 MM	
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	1.5				
Chloroform	ND	ug/l	1.5				
Carbon tetrachloride	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	3.5				
Dibromochloromethane	ND	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.5				
2-Chloroethylvinyl ether	ND	ug/l	10.				
Tetrachloroethene	ND	ug/l	1.5				
Chlorobenzene	ND	ug/l	3.5				
Trichlorofluoromethane	ND	ug/l	5.0				
1,2-Dichloroethane	ND	ug/l	1.5				
1,1,1-Trichloroethane	ND	ug/l	2.0				
Bromodichloromethane	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.5				
cis-1,3-Dichloropropene	ND	ug/l	1.5				
Bromoform	ND	ug/l	1.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Benzene	ND	ug/l	1.0				
Toluene	ND	ug/l	1.0				
Ethylbenzene	ND	ug/l	1.0				
Chloromethane	ND	ug/l	10.				
Bromomethane	ND	ug/l	5.0				
Vinyl chloride	ND	ug/l	2.0				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0711560

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01 (WG290227-8)							
Volatile Organics by GC/MS 624 cont'd				5 624		0813 09:33	MM
Chloroethane	ND	ug/l	2.0				
1,1-Dichloroethene	ND	ug/l	1.0				
trans-1,2-Dichloroethene	ND	ug/l	1.5				
cis-1,2-Dichloroethene	ND	ug/l	1.0				
Trichloroethene	ND	ug/l	1.0				
1,2-Dichlorobenzene	ND	ug/l	5.0				
1,3-Dichlorobenzene	ND	ug/l	5.0				
1,4-Dichlorobenzene	ND	ug/l	5.0				
p/m-Xylene	ND	ug/l	2.0				
o-xylene	ND	ug/l	1.0				
Xylene (Total)	ND	ug/l	2.0				
Styrene	ND	ug/l	1.0				
Acetone	ND	ug/l	10.				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	10.				
Vinyl acetate	ND	ug/l	20.				
4-Methyl-2-pentanone	ND	ug/l	10.				
2-Hexanone	ND	ug/l	10.				
Acrolein	ND	ug/l	8.0				
Acrylonitrile	ND	ug/l	10.				
Methyl tert butyl ether	ND	ug/l	20.				
1,4-Dioxane	ND	ug/l	2000				
Tert-Butyl Alcohol	ND	ug/l	100				
Tertiary-Amyl Methyl Ether	ND	ug/l	20.				
Surrogate(s)	Recovery		QC Criteria				
Pentafluorobenzene	85.0	%	80-120				
Fluorobenzene	96.0	%	80-120				
4-Bromofluorobenzene	106	%	80-120				
Blank Analysis for sample(s) 01-02 (WG290358-1)							
SVOC's by GC/MS 8270				1 8270C		0811 10:30	0813 14:40 RL
Acenaphthene	ND	ug/l	5.0				
Benzidine	ND	ug/l	50.				
1,2,4-Trichlorobenzene	ND	ug/l	5.0				
Hexachlorobenzene	ND	ug/l	5.0				
Bis(2-chloroethyl)ether	ND	ug/l	5.0				
1-Chloronaphthalene	ND	ug/l	5.0				
2-Chloronaphthalene	ND	ug/l	6.0				
1,2-Dichlorobenzene	ND	ug/l	5.0				
1,3-Dichlorobenzene	ND	ug/l	5.0				
1,4-Dichlorobenzene	ND	ug/l	5.0				
3,3'-Dichlorobenzidine	ND	ug/l	50.				
2,4-Dinitrotoluene	ND	ug/l	6.0				
2,6-Dinitrotoluene	ND	ug/l	5.0				
Azobenzene	ND	ug/l	5.0				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0711560

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01-02 (WG290358-1)							
SVOC's by GC/MS 8270 cont'd				1 8270C	0811 10:30	0813 14:40	RL
Fluoranthene	ND	ug/l	5.0				
4-Chlorophenyl phenyl ether	ND	ug/l	5.0				
4-Bromophenyl phenyl ether	ND	ug/l	5.0				
Bis(2-chloroisopropyl)ether	ND	ug/l	5.0				
Bis(2-chloroethoxy)methane	ND	ug/l	5.0				
Hexachlorobutadiene	ND	ug/l	10.				
Hexachlorocyclopentadiene	ND	ug/l	30.				
Hexachloroethane	ND	ug/l	5.0				
Isophorone	ND	ug/l	5.0				
Naphthalene	ND	ug/l	5.0				
Nitrobenzene	ND	ug/l	5.0				
NDPA/DPA	ND	ug/l	15.				
n-Nitrosodi-n-propylamine	ND	ug/l	5.0				
Bis(2-ethylhexyl)phthalate	ND	ug/l	5.0				
Butyl benzyl phthalate	ND	ug/l	5.0				
Di-n-butylphthalate	ND	ug/l	5.0				
Di-n-octylphthalate	ND	ug/l	5.0				
Diethyl phthalate	ND	ug/l	5.0				
Dimethyl phthalate	ND	ug/l	5.0				
Benzo(a)anthracene	ND	ug/l	5.0				
Benzo(a)pyrene	ND	ug/l	5.0				
Benzo(b)fluoranthene	ND	ug/l	5.0				
Benzo(k)fluoranthene	ND	ug/l	5.0				
Chrysene	ND	ug/l	5.0				
Acenaphthylene	ND	ug/l	5.0				
Anthracene	ND	ug/l	5.0				
Benzo(ghi)perylene	ND	ug/l	5.0				
Fluorene	ND	ug/l	5.0				
Phenanthrene	ND	ug/l	5.0				
Dibenzo(a,h)anthracene	ND	ug/l	5.0				
Indeno(1,2,3-cd)pyrene	ND	ug/l	7.0				
Pyrene	ND	ug/l	5.0				
Benzo(e)pyrene	ND	ug/l	5.0				
Biphenyl	ND	ug/l	5.0				
Perylene	ND	ug/l	5.0				
Aniline	ND	ug/l	20.				
4-Chloroaniline	ND	ug/l	5.0				
1-Methylnaphthalene	ND	ug/l	5.0				
2-Nitroaniline	ND	ug/l	5.0				
3-Nitroaniline	ND	ug/l	5.0				
4-Nitroaniline	ND	ug/l	7.0				
Dibenzofuran	ND	ug/l	5.0				
a,a-Dimethylphenethylamine	ND	ug/l	50.				
Hexachloropropene	ND	ug/l	10.				
Nitrosodi-n-butylamine	ND	ug/l	10.				
2-Methylnaphthalene	ND	ug/l	5.0				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0711560

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01-02 (WG290358-1)							
SVOC's by GC/MS 8270 cont'd				1 8270C	0811 10:30	0813 14:40	RL
1,2,4,5-Tetrachlorobenzene	ND	ug/l	20.				
Pentachlorobenzene	ND	ug/l	20.				
a-Naphthylamine	ND	ug/l	25.				
b-Naphthylamine	ND	ug/l	20.				
Phenacetin	ND	ug/l	10.				
Dimethoate	ND	ug/l	20.				
4-Aminobiphenyl	ND	ug/l	10.				
Pentachloronitrobenzene	ND	ug/l	10.				
Isodrin	ND	ug/l	10.				
p-Dimethylaminoazobenzene	ND	ug/l	10.				
Chlorobenzilate	ND	ug/l	20.				
3-Methylcholanthrene	ND	ug/l	20.				
Ethyl Methanesulfonate	ND	ug/l	15.				
Acetophenone	ND	ug/l	20.				
Nitrosodipiperidine	ND	ug/l	20.				
7,12-Dimethylbenz(a)anthracene	ND	ug/l	20.				
n-Nitrosodimethylamine	ND	ug/l	50.				
2,4,6-Trichlorophenol	ND	ug/l	5.0				
p-Chloro-m-cresol	ND	ug/l	5.0				
2-Chlorophenol	ND	ug/l	6.0				
2,4-Dichlorophenol	ND	ug/l	10.				
2,4-Dimethylphenol	ND	ug/l	10.				
2-Nitrophenol	ND	ug/l	20.				
4-Nitrophenol	ND	ug/l	10.				
2,4-Dinitrophenol	ND	ug/l	30.				
4,6-Dinitro-o-cresol	ND	ug/l	20.				
Pentachlorophenol	ND	ug/l	10.				
Phenol	ND	ug/l	7.0				
2-Methylphenol	ND	ug/l	6.0				
3-Methylphenol/4-Methylphenol	ND	ug/l	6.0				
2,4,5-Trichlorophenol	ND	ug/l	5.0				
2,6-Dichlorophenol	ND	ug/l	10.				
Benzoic Acid	ND	ug/l	50.				
Benzyl Alcohol	ND	ug/l	10.				
Carbazole	ND	ug/l	5.0				
Pyridine	ND	ug/l	50.				
2-Picoline	ND	ug/l	20.				
Pronamide	ND	ug/l	20.				
Methyl methanesulfonate	ND	ug/l	20.				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	29.0	%	21-120				
Phenol-d6	19.0	%	10-120				
Nitrobenzene-d5	49.0	%	23-120				
2-Fluorobiphenyl	45.0	%	43-120				
2,4,6-Tribromophenol	84.0	%	10-120				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0711560

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01-02 (WG290358-1)							
SVOC's by GC/MS 8270 cont'd				1	8270C	0811 10:30	0813 14:40 RL
4-Terphenyl-d14	90.0	%	33-120				
Blank Analysis for sample(s) 01-02 (WG290360-1)							
PAH by GC/MS SIM 8270M				1	8270C-M	0811 10:30	0813 13:50 HL
Acenaphthene	ND	ug/l	0.20				
2-Chloronaphthalene	ND	ug/l	0.20				
Fluoranthene	ND	ug/l	0.20				
Hexachlorobutadiene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	0.20				
Benzo(a)anthracene	ND	ug/l	0.20				
Benzo(a)pyrene	ND	ug/l	0.20				
Benzo(b)fluoranthene	ND	ug/l	0.20				
Benzo(k)fluoranthene	ND	ug/l	0.20				
Chrysene	ND	ug/l	0.20				
Acenaphthylene	ND	ug/l	0.20				
Anthracene	ND	ug/l	0.20				
Benzo(ghi)perylene	ND	ug/l	0.20				
Fluorene	ND	ug/l	0.20				
Phenanthrene	ND	ug/l	0.20				
Dibenzo(a,h)anthracene	ND	ug/l	0.20				
Indeno(1,2,3-cd)Pyrene	ND	ug/l	0.20				
Pyrene	ND	ug/l	0.20				
1-Methylnaphthalene	ND	ug/l	0.20				
2-Methylnaphthalene	ND	ug/l	0.20				
Pentachlorophenol	ND	ug/l	0.80				
Hexachlorobenzene	ND	ug/l	0.80				
Perylene	ND	ug/l	0.20				
Biphenyl	ND	ug/l	0.20				
2,6-Dimethylnaphthalene	ND	ug/l	0.20				
1-Methylphenanthrene	ND	ug/l	0.20				
Benzo(e)Pyrene	ND	ug/l	0.20				
Hexachloroethane	ND	ug/l	0.80				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	24.0	%	21-120				
Phenol-d6	18.0	%	10-120				
Nitrobenzene-d5	41.0	%	23-120				
2-Fluorobiphenyl	43.0	%	43-120				
2,4,6-Tribromophenol	54.0	%	10-120				
4-Terphenyl-d14	95.0	%	33-120				

ALPHA ANALYTICAL LABORATORIES
ADDENDUM I

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
5. Methods for the Organic Chemical Analysis of Municipal and Industrial Wastewater. Appendix A, Part 136, 40 CFR (Code of Federal Regulations).
19. Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.
30. Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

GLOSSARY OF TERMS AND SYMBOLS

REF	Reference number in which test method may be found.
METHOD	Method number by which analysis was performed.
ID	Initials of the analyst.
ND	Not detected in comparison to the reported detection limit.
NI	Not Ignitable.
ug/cart	Micrograms per Cartridge.
H	The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

LIMITATION OF LIABILITIES

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

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



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Client Information

Client: ERM - Boston
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Email: jason.flattery@erm.com

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: 48 HR. Time:
 These samples have been previously analyzed by Alpha
Other Project Specific Requirements/Comments/Detection Limits:

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: 48 HR. Time:
 These samples have been previously analyzed by Alpha
Other Project Specific Requirements/Comments/Detection Limits:

Date Rec'd in Lab: 8/10
Report Information - Data Deliverables
 FAX EMAIL
 ADEX Add'l Deliverables
Regulatory Requirements/Report Limits

ALPHA Job #: 20711560
Billing Information
 Same as Client info PO #:

State/Fed Program MCP Criteria
MAMCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTOCOLS
 Yes No Are MCP Analytical Methods Required?
 Yes No Are CT RCP (Reasonable Confidence Protocol) Required?

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials
		Date	Time		
	11360-01	NE-20070810-01	8/10/07 06:35	GW	BM 2 1 1 2
	-02	EFF-20070810-01	8/10/07 06:45	GW	BM 2 1 1 2

ANALYSIS
 VOCs by 62.4
 Total As, Cu, Ni, Fe
 TSS
 SVOCs by B270 w/ penta-chloro agent

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

Sample Specific Comments

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT
MA MCP or CT RCP?

Relinquished By: [Signature]

Container Type V P P A
Preservative H C A A

Date/Time 8/10/07 12:05
Received By: [Signature]

Date/Time 8/11/07 12:55

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.