

Environmental
Resources
Management

399 Boylston Street
6th Floor
Boston, MA 02116
(617) 646-7800
(617) 267-6447 (fax)

30 March 2009
Reference: 0095922

Mr. Anthony DeLuca
The Koffler Group
10 Memorial Drive
Suite 901
Providence, RI 02903



Re: Transmittal of Groundwater Analytical Data
Former Raytheon Facility
430 Boston Post Road, Wayland, Massachusetts

Dear Mr. DeLuca:

On behalf of Raytheon Company (Raytheon), Environmental Resources Management (ERM) is submitting the results of groundwater sample analyses from the Former Raytheon Facility located at 430 Boston Post Road in Wayland, Massachusetts (Site). The results are submitted pursuant to 310 CMR 40.1403(10) of the Massachusetts Contingency Plan (MCP).

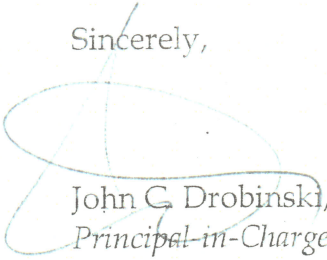
ERM collected groundwater samples from 61 wells on portions of the Site within the boundaries of your property between 16 February and 19 February 2008. One group of samples (45 in total), was submitted for field analysis of permanganate concentration by colorimetry. A second group of samples (15 in total) was submitted for volatile organic compounds, total organic carbon, total phosphorus, dissolved iron and dissolved manganese, sulfate, nitrogen as nitrate, and dissolved ethane, ethene, and methane gases. Sample analyses were conducted by Alpha Analytical, Inc. of Westborough, Massachusetts and Microseeps, Inc. of Pittsburgh, Pennsylvania. This analytical data will be provided to the Massachusetts Department of Environmental Protection in the next required MCP submittal.

Mr. DeLuca
Reference: 0095922
30 March 2009
Page 2

Environmental
Resources
Management

If you have any questions or comments, please contact the undersigned at (617) 646-7800 or Louis Burkhardt, Raytheon Company, at (978) 436-8238.

Sincerely,



John C. Drobinski, P.G., LSP
Principal-in-Charge



Jason D. Flattery, P.E.
Project Manager

enclosures: BWSC-123 - Notice of Environmental Sampling
Laboratory Analytical Reports

cc: Louis Burkhardt, Raytheon Company
Ben Gould, CMG Environmental
PIP Repositories



NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

BWSC 123

This Notice is Related to
Release Tracking Number

3 22408

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 430 Boston Post Road
City/Town: Wayland Zip Code: 01778

B. This notice is being provided to the following party:

1. Name: The Koffler Group
2. Street Address: 10 Memorial Drive, Suite 901
City/Town: Providence Zip Code: 02903

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 430 Boston Post Road
City/Town: Wayland Zip Code: 01778

2. MCP phase of work during which the sampling will be/has been conducted:

- | | |
|---|---|
| <input type="checkbox"/> Immediate Response Action | <input type="checkbox"/> Phase III Feasibility Evaluation |
| <input type="checkbox"/> Release Abatement Measure | <input type="checkbox"/> Phase IV Remedy Implementation Plan |
| <input type="checkbox"/> Utility-related Abatement Measure | <input checked="" type="checkbox"/> Phase V/Remedy Operation Status |
| <input type="checkbox"/> Phase I Initial Site Investigation | <input type="checkbox"/> Post-Class C Operation, Maintenance and Monitoring |
| <input type="checkbox"/> Phase II Comprehensive Site Assessment | <input type="checkbox"/> Other _____
(specify) |

3. Description of property where sampling will be/has been conducted:

- residential commercial industrial school/playground Other _____
(specify)

4. Description of the sampling locations and types (e.g., soil, groundwater) to the extent known at the time of this notice.

Collection of groundwater samples from existing monitoring wells.

E. Contact information related to the party providing this notice:

Contact Name: Louis J. Burkhardt
Street Address: 880 Technology Park Drive, MS 2-2124-01
City/Town: Billerica Zip Code: 01821
Telephone: (978) 436-8238 Email: louis_j_burkhardt@raytheon.com

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the “disposal site”.)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation under the Massachusetts Contingency Plan at a property on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

Section C on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

Section D on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/dep/cleanup/oview.htm>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://mass.gov/dep/about/region/schedule.htm> if you would like to make an appointment to see these files. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.



Client Name: ERM
Contact: Jason Flattery
Address: 399 Boylston Street
6th Floor
Boston, MA 02116

Page: Page 1 of 6
Lab Proj #: P0902233
Report Date: 03/03/09
Client Proj Name: Wayland
Client Proj #: Wayland

Laboratory Results

Total pages in data package: 7

<u>Lab Sample #</u>	<u>Client Sample ID</u>
P0902233-01	MW-266MB-20090219-01
P0902233-02	IW-5-20090219-01
P0902233-03	MW-268M-20090219-01
P0902233-04	DUP-002-20090219-01
P0902233-05	MW-268D-20090219-01

Microseeps test results meet all the requirements of the NELAC standards or provide reasons and/or justification if they do not.

Approved By: Rachel Whitby **Date:** 3/3/09

Project Manager: Rachel Whitby

The analytical results reported here are reliable and usable to the precision expressed in this report. As required by some regulating authorities, a full discussion of the uncertainty in our analytical results can be obtained at our web site or through customer service. Unless otherwise specified, all results are reported on a wet weight basis.

*As a valued client we would appreciate your comments on our service.
Please call customer service at (412)826-5245 or email customerservice@microseeps.com.*

Case Narrative:

Client Name: ERM
Contact: Jason Flattery
Address: 399 Boylston Street
6th Floor
Boston, MA 02116

Page: Page 2 of 6
Lab Proj #: P0902233
Report Date: 03/03/09
Client Proj Name: Wayland
Client Proj #: Wayland

<u>Sample Description</u>	<u>Matrix</u>	<u>Lab Sample #</u>	<u>Sampled Date/Time</u>	<u>Received</u>		
MW-266MB-20090219-01	Water	P0902233-01	19 Feb. 09 9:15	23 Feb. 09 9:31		
<u>Analyte(s)</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analysis Date</u>	<u>By</u>
<u>RiskAnalysis</u>						
N Ethane	<0.025	0.025	ug/L	AM20GAX	3/2/09	rw
N Ethene	1.500	0.025	ug/L	AM20GAX	3/2/09	rw
N Methane	5.600	0.100	ug/L	AM20GAX	3/2/09	rw



Client Name: ERM
Contact: Jason Flattery
Address: 399 Boylston Street
6th Floor
Boston, MA 02116

Page: Page 3 of 6
Lab Proj #: P0902233
Report Date: 03/03/09
Client Proj Name: Wayland
Client Proj #: Wayland

<u>Sample Description</u>	<u>Matrix</u>	<u>Lab Sample #</u>	<u>Sampled Date/Time</u>	<u>Received</u>		
IW-5-20090219-01	Water	P0902233-02	19 Feb. 09 10:50	23 Feb. 09 9:31		
<u>Analyte(s)</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analysis Date</u>	<u>By</u>
<u>RiskAnalysis</u>						
N Ethane	0.050	0.025	ug/L	AM20GAX	3/2/09	rw
N Ethene	2.300	0.025	ug/L	AM20GAX	3/2/09	rw
N Methane	6.100	0.100	ug/L	AM20GAX	3/2/09	rw



Client Name: ERM
Contact: Jason Flattery
Address: 399 Boylston Street
6th Floor
Boston, MA 02116

Page: Page 4 of 6
Lab Proj #: P0902233
Report Date: 03/03/09
Client Proj Name: Wayland
Client Proj #: Wayland

<u>Sample Description</u>	<u>Matrix</u>	<u>Lab Sample #</u>	<u>Sampled Date/Time</u>	<u>Received</u>		
MW-268M-20090219-01	Water	P0902233-03	19 Feb. 09 12:30	23 Feb. 09 9:31		
<u>Analyte(s)</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analysis Date</u>	<u>By</u>
<u>RiskAnalysis</u>						
N Ethane	0.028	0.025	ug/L	AM20GAX	3/2/09	rw
N Ethene	2.000	0.025	ug/L	AM20GAX	3/2/09	rw
N Methane	40.000	0.100	ug/L	AM20GAX	3/2/09	rw



Client Name: ERM
 Contact: Jason Flattery
 Address: 399 Boylston Street
 6th Floor
 Boston, MA 02116

Page: Page 5 of 6
 Lab Proj #: P0902233
 Report Date: 03/03/09
 Client Proj Name: Wayland
 Client Proj #: Wayland

<u>Sample Description</u>	<u>Matrix</u>	<u>Lab Sample #</u>	<u>Sampled Date/Time</u>	<u>Received</u>		
DUP-002-20090219-01	Water	P0902233-04	19 Feb. 09 13:13	23 Feb. 09 9:31		
<u>Analyte(s)</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analysis Date</u>	<u>By</u>
<u>RiskAnalysis</u>						
N Ethane	<0.025	0.025	ug/L	AM20GAX	3/2/09	rw
N Ethene	0.260	0.025	ug/L	AM20GAX	3/2/09	rw
N Methane	320.000	0.100	ug/L	AM20GAX	3/2/09	rw

Client Name: ERM
 Contact: Jason Flattery
 Address: 399 Boylston Street
 6th Floor
 Boston, MA 02116

Page: Page 6 of 6
 Lab Proj #: P0902233
 Report Date: 03/03/09
 Client Proj Name: Wayland
 Client Proj #: Wayland

<u>Sample Description</u>	<u>Matrix</u>	<u>Lab Sample #</u>	<u>Sampled Date/Time</u>	<u>Received</u>		
MW-268D-20090219-01	Water	P0902233-05	19 Feb. 09 14:00	23 Feb. 09 9:31		
<u>Analyte(s)</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analysis Date</u>	<u>By</u>
<u>RiskAnalysis</u>						
N Ethane	<0.025	0.025	ug/L	AM20GAX	3/2/09	rw
N Ethene	0.030	0.025	ug/L	AM20GAX	3/2/09	rw
N Methane	20.000	0.100	ug/L	AM20GAX	3/2/09	rw

Microseeps CHAIN OF CUSTODY

PAGE 3 OF 3

ALPHA Job #:

Date Rec'd in Lab: 10/27/03

Project Information

Project Name: Raytheon Wayland
 Project Location: Wayland, MA
 Project #: 0095927
 Project Manager: Jason Flattery

Report Information - Data Deliverables

FAX EMAIL
 ADEX Add'l Deliverables

Billing Information

Same as Client info PO #:

Client Information

Client: ERM
 Address: 399 Baylston St.
6th floor Boston, MA
 Phone: (617) 646-7800
 Fax: (617) 247-6447
 Email: balnear.frost@erm.com

Regulatory Requirements/Report Limits

State / Fed Program: MA MCP
 Criteria: GW-1

MCP PRESUMPTIVE CERTAINTY - THESE QUESTIONS MUST BE ANSWERED

Yes No Are MCP Analytical Methods Required?
 Yes No Are Drinking Water Samples Submitted?
 Yes No Have you met minimum field QC requirements?

Standard RUSH (only confirmed if pre-approved)
 Date Due: _____ Time: _____

Other Project Specific Requirements/Comments/Detection Limits:
O = Na3PO4

ANALYSIS
 Methan/ Ethn/ Ethm/ Ethn

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	TOTAL # BOTTLES
		Date	Time			
	<u>MW-266MB-20090219-01</u>	<u>2/19/09</u>	<u>0915</u>	<u>GW</u>	<u>GW</u>	<u>2</u>
	<u>IW-S-20090219-01</u>	<u>2/19/09</u>	<u>1030</u>	<u>GW</u>	<u>EW</u>	<u>2</u>
	<u>MW-264M-20090219-01</u>	<u>2/19/09</u>	<u>1230</u>	<u>GW</u>	<u>GW</u>	<u>2</u>
	<u>DUP-002-20090219-01</u>	<u>2/19/09</u>	<u>1313</u>	<u>GW</u>	<u>EW</u>	<u>2</u>
	<u>MW-268D-20090219-01</u>	<u>2/19/09</u>	<u>1400</u>	<u>GW</u>	<u>GW</u>	<u>2</u>

Sample Specific Comments

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

IS YOUR PROJECT MCP ?

Container Type: V
 Preservative: 0

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.



Client Name: ERM
Contact: Jason Flattery
Address: 399 Boylston Street
6th Floor
Boston, MA 02116

Page: Page 1 of 13
Lab Proj #: P0902234
Report Date: 03/03/09
Client Proj Name: Wayland
Client Proj #: Wayland

Laboratory Results

Total pages in data package: 14

<u>Lab Sample #</u>	<u>Client Sample ID</u>
P0902234-01	IW-2-20090218-01
P0902234-02	IW-8-20090218-01
P0902234-03	MW-551-20090218-01
P0902234-04	MW-552-20090218-01
P0902234-05	MW-553-20090218-01
P0902234-06	MW-265M-20090218-01
P0902234-07	MW-267M-20090218-01
P0902234-08	MW-560-20090219-01
P0902234-09	MW-261S-20090219-01
P0902234-10	DUP-001-20090219-01
P0902234-11	MW-266MA-20090219-01
P0902234-12	MW-267S-20090219-01

Microseeps test results meet all the requirements of the NELAC standards or provide reasons and/or justification if they do not.

Approved By: _____

Rachel Whitby

Date: _____

3/3/09

Project Manager: _____

Rachel Whitby

The analytical results reported here are reliable and usable to the precision expressed in this report. As required by some regulating authorities, a full discussion of the uncertainty in our analytical results can be obtained at our web site or through customer service. Unless otherwise specified, all results are reported on a wet weight basis.

*As a valued client we would appreciate your comments on our service.
Please call customer service at (412)826-5245 or email customerservice@microseeps.com.*

Case Narrative:

Client Name: ERM
Contact: Jason Flattery
Address: 399 Boylston Street
6th Floor
Boston, MA 02116

Page: Page 2 of 13
Lab Proj #: P0902234
Report Date: 03/03/09
Client Proj Name: Wayland
Client Proj #: Wayland

<u>Sample Description</u>	<u>Matrix</u>	<u>Lab Sample #</u>	<u>Sampled Date/Time</u>	<u>Received</u>		
IW-2-20090218-01	Water	P0902234-01	18 Feb. 09 8:35	23 Feb. 09 9:31		
<u>Analyte(s)</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analysis Date</u>	<u>By</u>
<u>RiskAnalysis</u>						
N Ethane	0.098	0.025	ug/L	AM20GAX	3/2/09	rw
N Ethene	8.000	0.025	ug/L	AM20GAX	3/2/09	rw
N Methane	400.000	0.100	ug/L	AM20GAX	3/2/09	rw



Client Name: ERM
Contact: Jason Flattery
Address: 399 Boylston Street
6th Floor
Boston, MA 02116

Page: Page 3 of 13
Lab Proj #: P0902234
Report Date: 03/03/09
Client Proj Name: Wayland
Client Proj #: Wayland

<u>Sample Description</u>	<u>Matrix</u>	<u>Lab Sample #</u>	<u>Sampled Date/Time</u>	<u>Received</u>		
IW-8-20090218-01	Water	P0902234-02	18 Feb. 09 10:15	23 Feb. 09 9:31		
<u>Analyte(s)</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analysis Date</u>	<u>By</u>
<u>RiskAnalysis</u>						
N Ethane	0.069	0.025	ug/L	AM20GAX	3/2/09	rw
N Ethene	2.300	0.025	ug/L	AM20GAX	3/2/09	rw
N Methane	66.000	0.100	ug/L	AM20GAX	3/2/09	rw



Client Name: ERM
 Contact: Jason Flattery
 Address: 399 Boylston Street
 6th Floor
 Boston, MA 02116

Page: Page 4 of 13
 Lab Proj #: P0902234
 Report Date: 03/03/09
 Client Proj Name: Wayland
 Client Proj #: Wayland

<u>Sample Description</u>	<u>Matrix</u>	<u>Lab Sample #</u>	<u>Sampled Date/Time</u>	<u>Received</u>		
MW-551-20090218-01	Water	P0902234-03	18 Feb. 09 9:50	23 Feb. 09 9:31		
<u>Analyte(s)</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analysis Date</u>	<u>By</u>
<u>RiskAnalysis</u>						
N Ethane	<0.025	0.025	ug/L	AM20GAX	3/2/09	rw
N Ethene	0.051	0.025	ug/L	AM20GAX	3/2/09	rw
N Methane	0.950	0.100	ug/L	AM20GAX	3/2/09	rw



Client Name: ERM
 Contact: Jason Flattery
 Address: 399 Boylston Street
 6th Floor
 Boston, MA 02116

Page: Page 5 of 13
 Lab Proj #: P0902234
 Report Date: 03/03/09
 Client Proj Name: Wayland
 Client Proj #: Wayland

<u>Sample Description</u>	<u>Matrix</u>	<u>Lab Sample #</u>	<u>Sampled Date/Time</u>	<u>Received</u>		
MW-552-20090218-01	Water	P0902234-04	18 Feb. 09 11:20	23 Feb. 09 9:31		
<u>Analyte(s)</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analysis Date</u>	<u>By</u>
<u>RiskAnalysis</u>						
N Ethane	<0.025	0.025	ug/L	AM20GAX	3/2/09	rw
N Ethene	0.280	0.025	ug/L	AM20GAX	3/2/09	rw
N Methane	8.400	0.100	ug/L	AM20GAX	3/2/09	rw



Client Name: ERM
 Contact: Jason Flattery
 Address: 399 Boylston Street
 6th Floor
 Boston, MA 02116

Page: Page 6 of 13
 Lab Proj #: P0902234
 Report Date: 03/03/09
 Client Proj Name: Wayland
 Client Proj #: Wayland

<u>Sample Description</u>	<u>Matrix</u>	<u>Lab Sample #</u>	<u>Sampled Date/Time</u>	<u>Received</u>		
MW-553-20090218-01	Water	P0902234-05	18 Feb. 09 13:30	23 Feb. 09 9:31		
<u>Analyte(s)</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analysis Date</u>	<u>By</u>
<u>RiskAnalysis</u>						
N Ethane	<0.025	0.025	ug/L	AM20GAX	3/2/09	rw
N Ethene	0.230	0.025	ug/L	AM20GAX	3/2/09	rw
N Methane	1.700	0.100	ug/L	AM20GAX	3/2/09	rw



Client Name: ERM
 Contact: Jason Flattery
 Address: 399 Boylston Street
 6th Floor
 Boston, MA 02116

Page: Page 7 of 13
 Lab Proj #: P0902234
 Report Date: 03/03/09
 Client Proj Name: Wayland
 Client Proj #: Wayland

<u>Sample Description</u>	<u>Matrix</u>	<u>Lab Sample #</u>	<u>Sampled Date/Time</u>	<u>Received</u>		
MW-265M-20090218-01	Water	P0902234-06	18 Feb. 09 14:00	23 Feb. 09 9:31		
<u>Analyte(s)</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analysis Date</u>	<u>By</u>
<u>RiskAnalysis</u>						
N Ethane	<0.025	0.025	ug/L	AM20GAX	3/2/09	rw
N Ethene	2.900	0.025	ug/L	AM20GAX	3/2/09	rw
N Methane	9.900	0.100	ug/L	AM20GAX	3/2/09	rw



Client Name: ERM
 Contact: Jason Flattery
 Address: 399 Boylston Street
 6th Floor
 Boston, MA 02116

Page: Page 8 of 13
 Lab Proj #: P0902234
 Report Date: 03/03/09
 Client Proj Name: Wayland
 Client Proj #: Wayland

<u>Sample Description</u>	<u>Matrix</u>	<u>Lab Sample #</u>	<u>Sampled Date/Time</u>	<u>Received</u>		
MW-267M-20090218-01	Water	P0902234-07	18 Feb. 09 14:45	23 Feb. 09 9:31		
<u>Analyte(s)</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analysis Date</u>	<u>By</u>
<u>RiskAnalysis</u>						
N Ethane	<0.025	0.025	ug/L	AM20GAX	3/2/09	rw
N Ethene	0.240	0.025	ug/L	AM20GAX	3/2/09	rw
N Methane	290.000	0.100	ug/L	AM20GAX	3/2/09	rw



Client Name: ERM
 Contact: Jason Flattery
 Address: 399 Boylston Street
 6th Floor
 Boston, MA 02116

Page: Page 9 of 13
 Lab Proj #: P0902234
 Report Date: 03/03/09
 Client Proj Name: Wayland
 Client Proj #: Wayland

<u>Sample Description</u>	<u>Matrix</u>	<u>Lab Sample #</u>	<u>Sampled Date/Time</u>	<u>Received</u>		
MW-560-20090219-01	Water	P0902234-08	19 Feb. 09 9:00	23 Feb. 09 9:31		
<u>Analyte(s)</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analysis Date</u>	<u>By</u>
<u>RiskAnalysis</u>						
N Ethane	0.045	0.025	ug/L	AM20GAX	3/2/09	rw
N Ethene	0.680	0.025	ug/L	AM20GAX	3/2/09	rw
N Methane	18.000	0.100	ug/L	AM20GAX	3/2/09	rw



Client Name: ERM
 Contact: Jason Flattery
 Address: 399 Boylston Street
 6th Floor
 Boston, MA 02116

Page: Page 10 of 13
 Lab Proj #: P0902234
 Report Date: 03/03/09
 Client Proj Name: Wayland
 Client Proj #: Wayland

<u>Sample Description</u>	<u>Matrix</u>	<u>Lab Sample #</u>	<u>Sampled Date/Time</u>	<u>Received</u>		
MW-261S-20090219-01	Water	P0902234-09	19 Feb. 09 7:50	23 Feb. 09 9:31		
<u>Analyte(s)</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analysis Date</u>	<u>By</u>
<u>RiskAnalysis</u>						
N Ethane	<0.025	0.025	ug/L	AM20GAX	3/2/09	rw
N Ethene	0.095	0.025	ug/L	AM20GAX	3/2/09	rw
N Methane	1.000	0.100	ug/L	AM20GAX	3/2/09	rw



Client Name: ERM
Contact: Jason Flattery
Address: 399 Boylston Street
6th Floor
Boston, MA 02116

Page: Page 11 of 13
Lab Proj #: P0902234
Report Date: 03/03/09
Client Proj Name: Wayland
Client Proj #: Wayland

<u>Sample Description</u>	<u>Matrix</u>	<u>Lab Sample #</u>	<u>Sampled Date/Time</u>	<u>Received</u>		
DUP-001-20090219-01	Water	P0902234-10	19 Feb. 09 11:11	23 Feb. 09 9:31		
<u>Analyte(s)</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analysis Date</u>	<u>By</u>
<u>RiskAnalysis</u>						
N Ethane	0.038	0.025	ug/L	AM20GAX	3/2/09	rw
N Ethene	0.620	0.025	ug/L	AM20GAX	3/2/09	rw
N Methane	15.000	0.100	ug/L	AM20GAX	3/2/09	rw



Client Name: ERM
Contact: Jason Flattery
Address: 399 Boylston Street
6th Floor
Boston, MA 02116

Page: Page 12 of 13
Lab Proj #: P0902234
Report Date: 03/03/09
Client Proj Name: Wayland
Client Proj #: Wayland

<u>Sample Description</u>	<u>Matrix</u>	<u>Lab Sample #</u>	<u>Sampled Date/Time</u>	<u>Received</u>		
MW-266MA-20090219-01	Water	P0902234-11	19 Feb. 09 10:50	23 Feb. 09 9:31		
<u>Analyte(s)</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analysis Date</u>	<u>By</u>
<u>RiskAnalysis</u>						
N Ethane	<0.025	0.025	ug/L	AM20GAX	3/2/09	rw
N Ethene	0.047	0.025	ug/L	AM20GAX	3/2/09	rw
N Methane	28.000	0.100	ug/L	AM20GAX	3/2/09	rw



Client Name: ERM
 Contact: Jason Flattery
 Address: 399 Boylston Street
 6th Floor
 Boston, MA 02116

Page: Page 13 of 13
 Lab Proj #: P0902234
 Report Date: 03/03/09
 Client Proj Name: Wayland
 Client Proj #: Wayland

<u>Sample Description</u>	<u>Matrix</u>	<u>Lab Sample #</u>	<u>Sampled Date/Time</u>	<u>Received</u>		
MW-267S-20090219-01	Water	P0902234-12	19 Feb. 09 13:20	23 Feb. 09 9:31		
<u>Analyte(s)</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analysis Date</u>	<u>By</u>
<u>RiskAnalysis</u>						
N Ethane	<0.025	0.025	ug/L	AM20GAX	3/2/09	rw
N Ethene	0.810	0.025	ug/L	AM20GAX	3/2/09	rw
N Methane	53.000	0.100	ug/L	AM20GAX	3/2/09	rw





Microseeps Pg 2 of 3
Lab. Proj. # 80102234

CHAIN - OF - CUSTODY RECORD

Microseeps
COC cont. # 80102234

Phone: (412) 826-5245 Microseeps, Inc. - 220 William Pitt Way - Pittsburgh, PA 15238 Fax No.: (412) 826-3433

Company: ERM
 Co. Address: 399 Boylston St. 14th Floor Boston, MA
 Phone #: (617) 646-7800 Fax #: _____
 Proj. Manager: Bahaar Frost / Jason Flattery
 Proj. Name/Number: Raytheon Wayland 0095922
 Sampler's signature: Emily M...

Results to :
bahaar.frost@erm.com
monsa.kenedy@erm.com
LEDD database
 Invoice to : _____

Sample ID	Sample Description	Sample Type		Date	Time	Analysis	Parameters Requested	Remarks
		Water	Vapor/Solid					
EW-2-20090218-01		✓		2/18/09	0835	2		
IW-8-20090218-01		✓		2/18/09	1015	2		
MW-557-20090218-01		✓		2/18/09	0950	2		
MW-552-20090218-01		✓		2/18/09	1120	2		
MW-553-20090218-01		✓		2/18/09	1530	2		
MW-265M-20090218-01		✓		2/18/09	1500	2		
MW-267M-20090218-01		✓		2/18/09	1445	2		
MW-560-20090219-01		✓		2/19/09	0900	2		
MW-266-20090219-01		✓		2/19/09	0750	2		
DUP-001-70090219-01		✓		2/19/09	1111	2		
MW-266M-20090219-01		✓		2/19/09	1050	2		
MW-267S-20090219-01		✓		2/19/09	1320	2		

Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
				<i>[Signature]</i>		2/23	1100



ANALYTICAL REPORT

Lab Number:	L0902027
Client:	ERM Consulting & Engineering, Inc. 399 Boylston Street 6th Floor Boston, MA 02116
ATTN:	Bahaar Frost
Project Name:	RAYTHEON WAYLAND
Project Number:	0095922
Report Date:	02/26/09

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), 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: RAYTHEON WAYLAND
Project Number: 0095922

Lab Number: L0902027
Report Date: 02/26/09

Alpha Sample ID	Client ID	Sample Location
L0902027-01	IW-2-20090218-01	WAYLAND, MA
L0902027-02	IW-8-20090218-01	WAYLAND, MA
L0902027-03	MW-551-20090218-01	WAYLAND, MA

Project Name: RAYTHEON WAYLAND
Project Number: 0095922

Lab Number: L0902027
Report Date: 02/26/09

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

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



Project Name: RAYTHEON WAYLAND
Project Number: 0095922

Lab Number: L0902027
Report Date: 02/26/09

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

Report Submission

This report replaces the report issued February 25, 2009. Sample L0902027-04 has been removed and will be reported under separate cover.

MCP Related Narratives

Sample Receipt

The samples were Field Filtered for Dissolved Metals only.

Volatile Organics

L0902027-01 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

Project Name: RAYTHEON WAYLAND
Project Number: 0095922

Lab Number: L0902027
Report Date: 02/26/09

Case Narrative (continued)

In reference to question E:

The WG353601-1/-2 LCS/LCSD recoveries associated with L0902027-01 through -03 are below the acceptance criteria for Dichlorodifluoromethane (68%/64%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for this compound.

In reference to question F:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

Metals

In reference to question F:

All samples were analyzed for a subset of MCP elements per the Chain of Custody.

Non-MCP Related Narratives

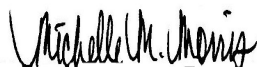
TOC

All TOC samples were preserved in-house on February 19, 2009.

L0902027-01 and -02 have elevated detection limits due to the dilutions required by the elevated concentrations present in the samples.

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: 02/26/09

ORGANICS

VOLATILES

Project Name: RAYTHEON WAYLAND
Project Number: 0095922

Lab Number: L0902027
Report Date: 02/26/09

SAMPLE RESULTS

Lab ID: L0902027-01
Client ID: IW-2-20090218-01
Sample Location: WAYLAND, MA
Matrix: Water
Analytical Method: 60,8260B
Analytical Date: 02/20/09 14:22
Analyst: PD

Date Collected: 02/18/09 08:35
Date Received: 02/18/09
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics - Westborough Lab					
Methylene chloride	ND		ug/l	120	25
1,1-Dichloroethane	ND		ug/l	19	25
Chloroform	ND		ug/l	19	25
Carbon tetrachloride	ND		ug/l	12	25
1,2-Dichloropropane	ND		ug/l	44	25
Dibromochloromethane	ND		ug/l	12	25
1,1,2-Trichloroethane	ND		ug/l	19	25
Tetrachloroethene	ND		ug/l	12	25
Chlorobenzene	ND		ug/l	12	25
1,2-Dichloroethane	ND		ug/l	12	25
1,1,1-Trichloroethane	ND		ug/l	12	25
Bromodichloromethane	ND		ug/l	12	25
trans-1,3-Dichloropropene	ND		ug/l	12	25
cis-1,3-Dichloropropene	ND		ug/l	12	25
Bromoform	ND		ug/l	50	25
1,1,2,2-Tetrachloroethane	ND		ug/l	12	25
Chloromethane	ND		ug/l	62	25
Vinyl chloride	98		ug/l	25	25
Chloroethane	ND		ug/l	25	25
1,1-Dichloroethene	ND		ug/l	12	25
trans-1,2-Dichloroethene	ND		ug/l	19	25
Trichloroethene	ND		ug/l	12	25
1,2-Dichlorobenzene	ND		ug/l	62	25
1,3-Dichlorobenzene	ND		ug/l	62	25
1,4-Dichlorobenzene	ND		ug/l	62	25
cis-1,2-Dichloroethene	1300		ug/l	12	25
Dichlorodifluoromethane	ND		ug/l	120	25
1,2-Dibromoethane	ND		ug/l	50	25
1,3-Dichloropropane	ND		ug/l	62	25
1,1,1,2-Tetrachloroethane	ND		ug/l	12	25

Project Name: RAYTHEON WAYLAND
Project Number: 0095922

Lab Number: L0902027
Report Date: 02/26/09

SAMPLE RESULTS

Lab ID: L0902027-01
 Client ID: IW-2-20090218-01
 Sample Location: WAYLAND, MA

Date Collected: 02/18/09 08:35
 Date Received: 02/18/09
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics - Westborough Lab					
o-Chlorotoluene	ND		ug/l	62	25
p-Chlorotoluene	ND		ug/l	62	25
Hexachlorobutadiene	ND		ug/l	15	25
1,2,4-Trichlorobenzene	ND		ug/l	62	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	97		70-130

Project Name: RAYTHEON WAYLAND
Project Number: 0095922

Lab Number: L0902027
Report Date: 02/26/09

SAMPLE RESULTS

Lab ID: L0902027-02
Client ID: IW-8-20090218-01
Sample Location: WAYLAND, MA
Matrix: Water
Analytical Method: 60,8260B
Analytical Date: 02/20/09 14:57
Analyst: PD

Date Collected: 02/18/09 10:15
Date Received: 02/18/09
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics - Westborough Lab					
Methylene chloride	ND		ug/l	5.0	1
1,1-Dichloroethane	ND		ug/l	0.75	1
Chloroform	ND		ug/l	0.75	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	1.8	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.75	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
Bromoform	ND		ug/l	2.0	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	2.5	1
Vinyl chloride	ND		ug/l	1.0	1
Chloroethane	ND		ug/l	1.0	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	1
Trichloroethene	4.0		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.5	1
1,3-Dichlorobenzene	ND		ug/l	2.5	1
1,4-Dichlorobenzene	ND		ug/l	2.5	1
cis-1,2-Dichloroethene	13		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0902027**Project Number:** 0095922**Report Date:** 02/26/09**SAMPLE RESULTS**

Lab ID: L0902027-02
 Client ID: IW-8-20090218-01
 Sample Location: WAYLAND, MA

Date Collected: 02/18/09 10:15
 Date Received: 02/18/09
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
-----------	--------	-----------	-------	-----	-----------------

MCP Volatile Organics - Westborough Lab

o-Chlorotoluene	ND		ug/l	2.5	1
p-Chlorotoluene	ND		ug/l	2.5	1
Hexachlorobutadiene	ND		ug/l	0.60	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	93		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0902027**Project Number:** 0095922**Report Date:** 02/26/09**SAMPLE RESULTS**

Lab ID: L0902027-03
Client ID: MW-551-20090218-01
Sample Location: WAYLAND, MA
Matrix: Water
Analytical Method: 60,8260B
Analytical Date: 02/20/09 15:33
Analyst: PD

Date Collected: 02/18/09 09:50
Date Received: 02/18/09
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics - Westborough Lab					
Methylene chloride	ND		ug/l	5.0	1
1,1-Dichloroethane	ND		ug/l	0.75	1
Chloroform	ND		ug/l	0.75	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	1.8	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.75	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
Bromoform	ND		ug/l	2.0	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	2.5	1
Vinyl chloride	ND		ug/l	1.0	1
Chloroethane	ND		ug/l	1.0	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	1
Trichloroethene	7.9		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.5	1
1,3-Dichlorobenzene	ND		ug/l	2.5	1
1,4-Dichlorobenzene	ND		ug/l	2.5	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0902027**Project Number:** 0095922**Report Date:** 02/26/09**SAMPLE RESULTS**

Lab ID: L0902027-03
 Client ID: MW-551-20090218-01
 Sample Location: WAYLAND, MA

Date Collected: 02/18/09 09:50
 Date Received: 02/18/09
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics - Westborough Lab					
o-Chlorotoluene	ND		ug/l	2.5	1
p-Chlorotoluene	ND		ug/l	2.5	1
Hexachlorobutadiene	ND		ug/l	0.60	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	95		70-130

Project Name: RAYTHEON WAYLAND
Project Number: 0095922

Lab Number: L0902027
Report Date: 02/26/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 02/20/09 09:05
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-03 Batch: WG353601-3				
Methylene chloride	ND		ug/l	5.0
1,1-Dichloroethane	ND		ug/l	0.75
Chloroform	ND		ug/l	0.75
Carbon tetrachloride	ND		ug/l	0.50
1,2-Dichloropropane	ND		ug/l	1.8
Dibromochloromethane	ND		ug/l	0.50
1,1,2-Trichloroethane	ND		ug/l	0.75
Tetrachloroethene	ND		ug/l	0.50
Chlorobenzene	ND		ug/l	0.50
Trichlorofluoromethane	ND		ug/l	2.5
1,2-Dichloroethane	ND		ug/l	0.50
1,1,1-Trichloroethane	ND		ug/l	0.50
Bromodichloromethane	ND		ug/l	0.50
trans-1,3-Dichloropropene	ND		ug/l	0.50
cis-1,3-Dichloropropene	ND		ug/l	0.50
1,1-Dichloropropene	ND		ug/l	2.5
Bromoform	ND		ug/l	2.0
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50
Benzene	ND		ug/l	0.50
Toluene	ND		ug/l	0.75
Ethylbenzene	ND		ug/l	0.50
Chloromethane	ND		ug/l	2.5
Bromomethane	ND		ug/l	1.0
Vinyl chloride	ND		ug/l	1.0
Chloroethane	ND		ug/l	1.0
1,1-Dichloroethene	ND		ug/l	0.50
trans-1,2-Dichloroethene	ND		ug/l	0.75
Trichloroethene	ND		ug/l	0.50
1,2-Dichlorobenzene	ND		ug/l	2.5
1,3-Dichlorobenzene	ND		ug/l	2.5
1,4-Dichlorobenzene	ND		ug/l	2.5

Project Name: RAYTHEON WAYLAND
Project Number: 0095922

Lab Number: L0902027
Report Date: 02/26/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 02/20/09 09:05
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-03 Batch: WG353601-3				
Methyl tert butyl ether	ND		ug/l	1.0
p/m-Xylene	ND		ug/l	1.0
o-Xylene	ND		ug/l	1.0
cis-1,2-Dichloroethene	ND		ug/l	0.50
Dibromomethane	ND		ug/l	5.0
1,2,3-Trichloropropane	ND		ug/l	5.0
Styrene	ND		ug/l	1.0
Dichlorodifluoromethane	ND		ug/l	5.0
Acetone	ND		ug/l	5.0
Carbon disulfide	ND		ug/l	5.0
2-Butanone	ND		ug/l	5.0
4-Methyl-2-pentanone	ND		ug/l	5.0
2-Hexanone	ND		ug/l	5.0
Bromochloromethane	ND		ug/l	2.5
Tetrahydrofuran	ND		ug/l	10
2,2-Dichloropropane	ND		ug/l	2.5
1,2-Dibromoethane	ND		ug/l	2.0
1,3-Dichloropropane	ND		ug/l	2.5
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50
Bromobenzene	ND		ug/l	2.5
n-Butylbenzene	ND		ug/l	0.50
sec-Butylbenzene	ND		ug/l	0.50
tert-Butylbenzene	ND		ug/l	2.5
o-Chlorotoluene	ND		ug/l	2.5
p-Chlorotoluene	ND		ug/l	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5
Hexachlorobutadiene	ND		ug/l	0.60
Isopropylbenzene	ND		ug/l	0.50
p-Isopropyltoluene	ND		ug/l	0.50
Naphthalene	ND		ug/l	2.5
n-Propylbenzene	ND		ug/l	0.50

Project Name: RAYTHEON WAYLAND
Project Number: 0095922

Lab Number: L0902027
Report Date: 02/26/09

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 02/20/09 09:05
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-03 Batch: WG353601-3				
1,2,3-Trichlorobenzene	ND		ug/l	2.5
1,2,4-Trichlorobenzene	ND		ug/l	2.5
1,3,5-Trimethylbenzene	ND		ug/l	2.5
1,2,4-Trimethylbenzene	ND		ug/l	2.5
Ethyl ether	ND		ug/l	2.5
Isopropyl Ether	ND		ug/l	2.0
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0
1,4-Dioxane	ND		ug/l	250

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0902027

Project Number: 0095922

Report Date: 02/26/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-03 Batch: WG353601-1 WG353601-2					
Methylene chloride	98	95	70-130	3	25
1,1-Dichloroethane	93	89	70-130	4	25
Chloroform	99	95	70-130	4	25
Carbon tetrachloride	102	100	70-130	2	25
1,2-Dichloropropane	101	99	70-130	2	25
Dibromochloromethane	99	101	70-130	2	25
1,1,2-Trichloroethane	100	100	70-130	0	25
Tetrachloroethene	109	106	70-130	3	25
Chlorobenzene	108	108	70-130	0	25
Trichlorofluoromethane	104	99	70-130	5	25
1,2-Dichloroethane	92	88	70-130	4	25
1,1,1-Trichloroethane	100	97	70-130	3	25
Bromodichloromethane	108	104	70-130	4	25
trans-1,3-Dichloropropene	96	98	70-130	2	25
cis-1,3-Dichloropropene	90	89	70-130	1	25
1,1-Dichloropropene	97	94	70-130	3	25
Bromoform	102	105	70-130	3	50
1,1,2,2-Tetrachloroethane	102	102	70-130	0	25
Benzene	103	100	70-130	3	25
Toluene	107	106	70-130	1	25
Ethylbenzene	108	106	70-130	2	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0902027

Project Number: 0095922

Report Date: 02/26/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-03 Batch: WG353601-1 WG353601-2					
Chloromethane	91	89	70-130	2	50
Bromomethane	78	90	70-130	14	50
Vinyl chloride	92	89	70-130	3	25
Chloroethane	111	105	70-130	6	25
1,1-Dichloroethene	97	92	70-130	5	25
trans-1,2-Dichloroethene	98	93	70-130	5	25
Trichloroethene	95	93	70-130	2	25
1,2-Dichlorobenzene	109	109	70-130	0	25
1,3-Dichlorobenzene	115	108	70-130	6	25
1,4-Dichlorobenzene	113	110	70-130	3	25
Methyl tert butyl ether	95	96	70-130	1	25
p/m-Xylene	110	108	70-130	2	25
o-Xylene	111	109	70-130	2	25
cis-1,2-Dichloroethene	99	98	70-130	1	25
Dibromomethane	101	98	70-130	3	25
1,2,3-Trichloropropane	102	102	70-130	0	25
Styrene	113	113	70-130	0	25
Dichlorodifluoromethane	68	64	70-130	6	50
Acetone	70	72	70-130	3	50
Carbon disulfide	84	77	70-130	9	50
2-Butanone	81	81	70-130	0	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0902027

Project Number: 0095922

Report Date: 02/26/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-03 Batch: WG353601-1 WG353601-2					
4-Methyl-2-pentanone	80	80	70-130	0	50
2-Hexanone	74	77	70-130	4	50
Bromochloromethane	114	110	70-130	4	25
Tetrahydrofuran	86	91	70-130	6	25
2,2-Dichloropropane	110	107	70-130	3	50
1,2-Dibromoethane	103	106	70-130	3	25
1,3-Dichloropropane	96	96	70-130	0	25
1,1,1,2-Tetrachloroethane	106	105	70-130	1	25
Bromobenzene	111	108	70-130	3	25
n-Butylbenzene	106	101	70-130	5	25
sec-Butylbenzene	112	106	70-130	6	25
tert-Butylbenzene	111	106	70-130	5	25
o-Chlorotoluene	106	102	70-130	4	25
p-Chlorotoluene	108	103	70-130	5	25
1,2-Dibromo-3-chloropropane	83	87	70-130	5	50
Hexachlorobutadiene	115	106	70-130	8	25
Isopropylbenzene	112	110	70-130	2	25
p-Isopropyltoluene	116	112	70-130	4	25
Naphthalene	90	94	70-130	4	25
n-Propylbenzene	111	106	70-130	5	25
1,2,3-Trichlorobenzene	94	97	70-130	3	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0902027

Project Number: 0095922

Report Date: 02/26/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-03 Batch: WG353601-1 WG353601-2					
1,2,4-Trichlorobenzene	102	103	70-130	1	25
1,3,5-Trimethylbenzene	110	106	70-130	4	25
1,2,4-Trimethylbenzene	110	107	70-130	3	25
Ethyl ether	104	99	70-130	5	25
Isopropyl Ether	90	87	70-130	3	25
Ethyl-Tert-Butyl-Ether	96	95	70-130	1	25
Tertiary-Amyl Methyl Ether	101	100	70-130	1	25
1,4-Dioxane	92	90	70-130	2	50

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		86		70-130
Toluene-d8	96		98		70-130
4-Bromofluorobenzene	94		92		70-130
Dibromofluoromethane	96		97		70-130

METALS

Project Name: RAYTHEON WAYLAND**Lab Number:** L0902027**Project Number:** 0095922**Report Date:** 02/26/09**SAMPLE RESULTS**

Lab ID: L0902027-01

Date Collected: 02/18/09 08:35

Client ID: IW-2-20090218-01

Date Received: 02/18/09

Sample Location: WAYLAND, MA

Field Prep: Field Filtered

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab										
Iron, Dissolved	6.1		mg/l	0.05	1	02/19/09 18:30	02/20/09 14:03	EPA 3005A	60,6010B	AI
Manganese, Dissolved	1.20		mg/l	0.010	1	02/19/09 18:30	02/20/09 14:03	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON WAYLAND**Lab Number:** L0902027**Project Number:** 0095922**Report Date:** 02/26/09**SAMPLE RESULTS**

Lab ID: L0902027-02
 Client ID: IW-8-20090218-01
 Sample Location: WAYLAND, MA
 Matrix: Water

Date Collected: 02/18/09 10:15
 Date Received: 02/18/09
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab										
Iron, Dissolved	6.9		mg/l	0.05	1	02/19/09 18:30	02/20/09 14:06	EPA 3005A	60,6010B	AI
Manganese, Dissolved	0.518		mg/l	0.010	1	02/19/09 18:30	02/20/09 14:06	EPA 3005A	60,6010B	AI

Project Name: RAYTHEON WAYLAND**Lab Number:** L0902027**Project Number:** 0095922**Report Date:** 02/26/09**SAMPLE RESULTS**

Lab ID: L0902027-03

Date Collected: 02/18/09 09:50

Client ID: MW-551-20090218-01

Date Received: 02/18/09

Sample Location: WAYLAND, MA

Field Prep: Field Filtered

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab										
Iron, Dissolved	2.7		mg/l	0.05	1	02/19/09 18:30	02/20/09 14:18	EPA 3005A	60,6010B	AI
Manganese, Dissolved	0.143		mg/l	0.010	1	02/19/09 18:30	02/20/09 14:18	EPA 3005A	60,6010B	AI

Project Name: RAYTHEON WAYLAND

Lab Number: L0902027

Project Number: 0095922

Report Date: 02/26/09

Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab for sample(s): 01-03 Batch: WG353397-1								
Iron, Dissolved	ND	mg/l	0.05	1	02/19/09 18:30	02/20/09 13:37	60,6010B	AI
Manganese, Dissolved	ND	mg/l	0.010	1	02/19/09 18:30	02/20/09 13:37	60,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Project Number: 0095922

Lab Number: L0902027

Report Date: 02/26/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Dissolved Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG353397-2 WG353397-3					
Iron, Dissolved	96	95	80-120	1	20
Manganese, Dissolved	95	94	80-120	1	20

INORGANICS & MISCELLANEOUS

Project Name: RAYTHEON WAYLAND
Project Number: 0095922

Lab Number: L0902027
Report Date: 02/26/09

SAMPLE RESULTS

Lab ID: L0902027-01
Client ID: IW-2-20090218-01
Sample Location: WAYLAND, MA
Matrix: Water

Date Collected: 02/18/09 08:35
Date Received: 02/18/09
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Alkalinity, Total	300		mg CaCO3/L	2.0	1	-	02/19/09 10:46	30,2320B	SD
Chloride	26		mg/l	1.0	1	-	02/18/09 18:34	1,9251	DD
Nitrogen, Nitrate	ND		mg/l	0.10	1	-	02/19/09 21:09	30,4500NO3-F	DD
Phosphorus, Total	0.229		mg/l	0.010	1	-	02/21/09 17:10	30,4500P-E	ST
Sulfate	ND		mg/l	10	1	02/20/09 09:30	02/20/09 09:30	1,9038	SD
Total Organic Carbon	50		mg/l	5.0	10	-	02/23/09 10:16	1,9060	DW



Project Name: RAYTHEON WAYLAND
Project Number: 0095922

Lab Number: L0902027
Report Date: 02/26/09

SAMPLE RESULTS

Lab ID: L0902027-02
Client ID: IW-8-20090218-01
Sample Location: WAYLAND, MA
Matrix: Water

Date Collected: 02/18/09 10:15
Date Received: 02/18/09
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Alkalinity, Total	410		mg CaCO3/L	2.0	1	-	02/19/09 10:46	30,2320B	SD
Chloride	49		mg/l	1.0	1	-	02/18/09 18:35	1,9251	DD
Nitrogen, Nitrate	ND		mg/l	0.10	1	-	02/19/09 21:52	30,4500NO3-F	DD
Phosphorus, Total	0.041		mg/l	0.010	1	-	02/21/09 17:35	30,4500P-E	ST
Sulfate	ND		mg/l	10	1	02/20/09 09:30	02/20/09 09:30	1,9038	SD
Total Organic Carbon	300		mg/l	50	100	-	02/23/09 10:16	1,9060	DW



Project Name: RAYTHEON WAYLAND
Project Number: 0095922

Lab Number: L0902027
Report Date: 02/26/09

SAMPLE RESULTS

Lab ID: L0902027-03
Client ID: MW-551-20090218-01
Sample Location: WAYLAND, MA
Matrix: Water

Date Collected: 02/18/09 09:50
Date Received: 02/18/09
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Alkalinity, Total	44		mg CaCO3/L	2.0	1	-	02/19/09 10:46	30,2320B	SD
Chloride	8.5		mg/l	1.0	1	-	02/18/09 18:35	1,9251	DD
Nitrogen, Nitrate	ND		mg/l	0.10	1	-	02/19/09 21:10	30,4500NO3-F	DD
Phosphorus, Total	0.211		mg/l	0.010	1	-	02/21/09 17:20	30,4500P-E	ST
Sulfate	30		mg/l	10	1	02/20/09 09:30	02/20/09 09:30	1,9038	SD
Total Organic Carbon	0.61		mg/l	0.50	1	-	02/23/09 10:16	1,9060	DW



Project Name: RAYTHEON WAYLAND
Project Number: 0095922

Lab Number: L0902027
Report Date: 02/26/09

Method Blank Analysis
Batch Quality Control

Parameter	Result Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG353211-2								
Chloride	ND	mg/l	1.0	1	-	02/18/09 18:23	1,9251	DD
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG353379-1								
Alkalinity, Total	ND	mg CaCO3/L	2.0	1	-	02/19/09 10:46	30,2320B	SD
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG353381-2								
Nitrogen, Nitrate	ND	mg/l	0.10	1	-	02/19/09 20:53	30,4500NO3-F	DD
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG353506-1								
Sulfate	ND	mg/l	10	1	02/20/09 09:30	02/20/09 09:30	1,9038	SD
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG353572-1								
Phosphorus, Total	ND	mg/l	0.010	1	-	02/21/09 17:07	30,4500P-E	ST
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG353642-1								
Total Organic Carbon	ND	mg/l	0.50	1	-	02/23/09 10:16	1,9060	DW

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Project Number: 0095922

Lab Number: L0902027

Report Date: 02/26/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG353211-1					
Chloride	100	-	90-110	-	
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG353379-2					
Alkalinity, Total	102	-	80-115	-	4
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG353381-1					
Nitrogen, Nitrate	98	-	90-110	-	
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG353506-2					
Sulfate	105	-	90-115	-	
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG353572-2					
Phosphorus, Total	102	-	85-115	-	
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG353642-2					
Total Organic Carbon	98	-	90-110	-	

Matrix Spike Analysis Batch Quality Control

Project Name: RAYTHEON WAYLAND
Project Number: 0095922

Lab Number: L0902027
Report Date: 02/26/09

Parameter	Native Sample	MS Added	MS Found	MS	MSD Found	MSD	Recovery	RPD	RPD Limits
				%Recovery		%Recovery	Limits		
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG353211-3 QC Sample: L0901996-05 Client ID: MS Sample									
Chloride	350	20	360	50	-	-	58-140	-	7
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG353379-3 QC Sample: L0902033-09 Client ID: MS Sample									
Alkalinity, Total	68	100	170	102	-	-	86-116	-	4
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG353381-3 QC Sample: L0902033-01 Client ID: MS Sample									
Nitrogen, Nitrate	3.6	4	7.3	92	-	-	83-120	-	6
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG353506-3 QC Sample: L0901996-05 Client ID: MS Sample									
Sulfate	25	40	66	102	-	-	55-147	-	14
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG353572-3 QC Sample: L0902103-01 Client ID: MS Sample									
Phosphorus, Total	0.082	0.5	0.572	98	-	-	80-120	-	20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG353642-3 QC Sample: L0902027-01 Client ID: IW-2-20090218-01									
Total Organic Carbon	50	160	200	96	-	-	80-120	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Project Number: 0095922

Lab Number: L0902027

Report Date: 02/26/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG353211-4 QC Sample: L0901996-05 Client ID: DUP Sample					
Chloride	350	350	mg/l	6	7
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG353379-4 QC Sample: L0902033-09 Client ID: DUP Sample					
Alkalinity, Total	68	66	mg CaCO3/L	3	4
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG353381-4 QC Sample: L0902033-02 Client ID: DUP Sample					
Nitrogen, Nitrate	1.3	1.24	mg/l	2	6
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG353506-4 QC Sample: L0901996-05 Client ID: DUP Sample					
Sulfate	25	25	mg/l	0	14
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG353572-4 QC Sample: L0902103-01 Client ID: DUP Sample					
Phosphorus, Total	0.082	0.082	mg/l	0	20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG353642-4 QC Sample: L0902027-01 Client ID: IW-2-20090218-01					
Total Organic Carbon	50	51	mg/l	2	20

Project Name: RAYTHEON WAYLAND

Lab Number: L0902027

Project Number: 0095922

Report Date: 02/26/09

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
L0902027-01A	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-04(14)
L0902027-01B	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-04(14)
L0902027-01C	Vial unpreserved	A	N/A	2	Y	Absent	TOC-9060(28)
L0902027-01D	Vial unpreserved	A	N/A	2	Y	Absent	TOC-9060(28)
L0902027-01E	Plastic 500ml unpreserved	A	7	2	Y	Absent	CL-9251(28),SO4-9038(28),NO3-4500(2)
L0902027-01F	Plastic 250ml H2SO4 preserved	A	<2	2	Y	Absent	TPHOS-4500(28)
L0902027-01G	Plastic 250ml HNO3 preserved	A	<2	2	Y	Absent	MCP-FE-6010S(180),MCP-MN-6010S(180)
L0902027-01H	Plastic 250ml unpreserved	A	7	2	Y	Absent	ALK-T-2320(14)
L0902027-02A	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-04(14)
L0902027-02B	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-04(14)
L0902027-02C	Vial unpreserved	A	N/A	2	Y	Absent	TOC-9060(28)
L0902027-02D	Vial unpreserved	A	N/A	2	Y	Absent	TOC-9060(28)
L0902027-02E	Plastic 500ml unpreserved	A	7	2	Y	Absent	CL-9251(28),SO4-9038(28),NO3-4500(2)
L0902027-02F	Plastic 250ml H2SO4 preserved	A	<2	2	Y	Absent	TPHOS-4500(28)
L0902027-02G	Plastic 250ml HNO3 preserved	A	<2	2	Y	Absent	MCP-FE-6010S(180),MCP-MN-6010S(180)
L0902027-02H	Plastic 250ml unpreserved	A	7	2	Y	Absent	ALK-T-2320(14)
L0902027-03A	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-04(14)
L0902027-03B	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-04(14)
L0902027-03C	Vial unpreserved	A	N/A	2	Y	Absent	TOC-9060(28)
L0902027-03D	Vial unpreserved	A	N/A	2	Y	Absent	TOC-9060(28)
L0902027-03E	Plastic 500ml unpreserved	A	7	2	Y	Absent	CL-9251(28),SO4-9038(28),NO3-4500(2)
L0902027-03F	Plastic 250ml H2SO4 preserved	A	<2	2	Y	Absent	TPHOS-4500(28)
L0902027-03G	Plastic 250ml HNO3 preserved	A	<2	2	Y	Absent	MCP-FE-6010S(180),MCP-MN-6010S(180)
L0902027-03H	Plastic 250ml unpreserved	A	7	2	Y	Absent	ALK-T-2320(14)
L0902027-04A	Vial HCl preserved	A	N/A	2	Y	Absent	-
L0902027-04B	Vial HCl preserved	A	N/A	2	Y	Absent	-
L0902027-04C	Vial unpreserved	A	N/A	2	Y	Absent	-
L0902027-04D	Vial unpreserved	A	N/A	2	Y	Absent	-

*Hold days indicated by values in parentheses

Project Name: RAYTHEON WAYLAND**Project Number:** 0095922**Lab Number:** L0902027**Report Date:** 02/26/09**Container Information**

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0902027-04E	Plastic 500ml unpreserved	A	7	2	Y	Absent	-
L0902027-04F	Plastic 250ml H2SO4 preserved	A	<2	2	Y	Absent	-
L0902027-04G	Plastic 250ml HNO3 preserved	A	<2	2	Y	Absent	-
L0902027-04H	Plastic 250ml unpreserved	A	7	2	Y	Absent	-

Container Comments

L0902027-01A

L0902027-02A

L0902027-03A

L0902027-04A

*Hold days indicated by values in parentheses

Project Name: RAYTHEON WAYLAND
Project Number: 0095922

Lab Number: L0902027
Report Date: 02/26/09

GLOSSARY

Acronyms

- EPA - Environmental Protection Agency.
- LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
- LCSD- Laboratory Control Sample Duplicate: Refer to LCS.
- MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
- MSD - Matrix Spike Sample Duplicate: Refer to MS.
- NA - Not Applicable.
- NI - Not Ignitable.
- NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
- ND - Not detected at the reported detection limit for the sample.
- RDL - Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
- RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

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

Data Qualifiers

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

A - Spectra identified as "Aldol Condensation Product".

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

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

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

Standard Qualifiers

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

Project Name: RAYTHEON WAYLAND
Project Number: 0095922

Lab Number: L0902027
Report Date: 02/26/09

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 Analytical 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 Analytical 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.



Certificate/Approval Program Summary

Last revised February 18, 2009 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574.

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3,3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: MA0086.

Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 150.1, 180.1, 300.0, 353.2, SM2130B, 2320B, 4500CI-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500CI-D, 4500CI-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

Drinking Water

Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)

(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Nitrite-N, Fluoride, Sulfate)

353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, 2320B, SM2540C, EPA 150.1, SM4500H-B.

Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)

(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), SM6251B, 314.0.

Non-Potable Water

Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)

(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Ti,V,Zn,Ca,Mg,Na,K)

245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Nitrate-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)

(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCB-Water) 600/4-81-045-PCB-Oil

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.*Drinking Water*

Microbiology Parameters: SM9215B; MF-SM9222B; ENZ. SUB. SM9223; EC-SM9221E; MF-SM9222D; ENZ. SUB. SM9223;

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307.

Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 110.2, 120.1, 150.1, 300.0, 325.2, 314.0, SM4500CN-E, 4500H+B, 4500NO₃-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 150.1, 300.0, 305.1, 310.1, 325.2, 340.2, 350.1, 350.2, 351.1, 353.2, 354.1, 365.2, 375.4, 376.2, 405.1, 415.1, 420.1, 425.1, 1664A, SW-846 9010, 9030, 9040B, EPA 160.1, 160.2, 160.3, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH₃-H, 4500NH₃-E, 4500NO₂-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935.

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO₃-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, 331.0, 110.2, SM2120B, 2510B, 5310C, EPA 150.1, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.1, SM5220D, 4500CI-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO₃-F, 4500NO₂-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH₃-H, EPA 350.2/1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 3540C, 3545, 3550B, 3580A, 5035L, 5035H.)

New York Department of Health Certificate/Lab ID: 11148.

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 8215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 331.0, SM2320B, EPA 300.0, 325.2, 110.2, SM2120B, 4500CN-E, 4500F-C, EPA 150.1, SM4500H-B, 4500NO₃-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1, SM6251B.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, EPA 405.1, SM5210B, EPA 410.4, SM5220D, EPA 305.1, SM2310B-4a, EPA 310.1, SM2320B, EPA 200.7, 300.0, 325.2, LACHAT 10-117-07-1A or B, SM4500CI-E, EPA 340.2, SM4500F-C, EPA 375.4, SM15 426C, EPA 350.1, 350.2, LACHAT 10-107-06-1-B, SM4500NH₃-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO₃F, EPA 354.1, SM4500-NO₂-B, EPA 365.2, SM4500P-E, EPA 160.3, SM2540B, EPA 160.1, SM2540C, EPA 160.2, SM2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, 110.2, SM2120B, 335.2, LACHAT 10-204-00-1-A, EPA 150.1, 9040B, SM4500-HB, EPA 1664A, EPA 415.1, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, EPA 376.2, SM4500S-D, EPA 425.1, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, 8021B, EPA 3510C, 5030B, 9010B, 9030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 3005A, 3050B, 3051, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 8021B, 3540C, 3545, 3580, 5030B, 5035.)

Analytical Services Protocol: CLP Volatile Organics, CLP Inorganics, CLP PCB/Pesticides.

Rhode Island Department of Health Certificate/Lab ID: LAO00065.

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. Registered Laboratory.



CHAIN OF CUSTODY

PAGE 1 OF 2

Eight Walkup Drive Westborough, MA 01581
 TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: **ERM**

Address: **399 Boylston St.**

6th Floor Boston, MA

Phone: **(617) 640-7806**

Fax: **(617) 267-6447**

Email: **balwan.r.frost@erm.com**

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Project Information

Project Name: **Raytheon Wayland**

Project Location: **Wayland, MA**

Project #: **6095922**

Project Manager: **Jason Flattery**

ALPHA Quote #:

Turn-Around Time

Standard

RUSH (only confirmed if pre-approved!)

Date Due: **2/25/09**

Time:

Report Information - Data Deliverables

FAX EMAIL

ADEX Add'l Deliverables EDD

Regulatory Requirements/Report Limits

State /Fed Program

MA MCP GW2

Criteria

MCP PRESUMPTIVE CERTAINTY - THESE QUESTIONS MUST BE ANSWERED

Yes No Are MCP Analytical Methods Required?

Yes No Are Drinking Water Samples Submitted?

Yes No Have you met minimum field QC requirements?

Billing Information

Same as Client info PO #: **0095922**

Date Rec'd in Lab: **2/18/09**

ALPHA Job #: **10902027**

ALPHA Lab ID (Lab Use Only)	SampleID	Collection		Sample Matrix	Sampler's Initials
		Date	Time		

02027.1	IW-2-20090218-01	2/18/09	0835	GW	EW
2	IW-8-20090218-01	2/18/09	1015	GW	EW
3	Mud-57-20090218-01	2/18/09	0950	GW	EW

ANALYSIS		MCP PRESUMPTIVE CERTAINTY - THESE QUESTIONS MUST BE ANSWERED	
8021 B	Chloride, NO ₃ , SO ₄	<input type="checkbox"/> Yes <input type="checkbox"/> No	Are MCP Analytical Methods Required?
	Alkalinity	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Are Drinking Water Samples Submitted?
	Diss. Fe + Mn	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Have you met minimum field QC requirements?
	TOC (unpreserved)		
	Total Phos.		

Sample Specific Comments	SAMPLE HANDLING
TOC Samples unpreserved	<input checked="" type="checkbox"/> Filtration Done Fe + Mn <input type="checkbox"/> Not needed <input type="checkbox"/> Lab to do <input type="checkbox"/> Preservation <input type="checkbox"/> Lab to do (Please specify below)

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

Container Type	Preservative	Date/Time	Received By:	Date/Time
V	P	2/18/09 10:54	<i>[Signature]</i>	2/18/09 10:57
B	A	2/18/09 10:00	<i>[Signature]</i>	2/18/09 11:10

IS YOUR PROJECT MCP ?

Relinquished By: *[Signature]*

Received By: *[Signature]*

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.



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

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

CHAIN OF CUSTODY

PAGE 2 OF 2

Client Information

Client: **ERM1**

Address: **374 DeLorton St. 2nd Flr
Boston MA**

Phone: **617-616-7800**

Fax: **617-267-6447**

Email: **bob@erm.com**

Other Project Specific Requirements/Comments/Detection Limits:

Project Information

Project Name: **Raytheon Wayland**

Project Location: **Wayland Ma**

Project #: **0095922**

Project Manager: **Jason Flattery**

ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)

Date Due: **2/25/09** Time:

Report Information - Data Deliverables

FAX EMAIL

ADEX Add'l Deliverables

Regulatory Requirements/Report Limits

State / Fed Program **MA MCP** Criteria **GLWL**

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

Billing Information

Same as Client info PO #:

ALPHA Lab ID (Lab Use Only)

Sample ID

Collection Date Time

Sample Matrix

Sampler's Initials

020279

MW-264M-20090218-01

2/18/09 0515

GV

2

1

1

2

1

TOL unpreserved

Sample Specific Comments

ANALYSIS	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Are MCP Analytical Methods Required?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Are CT RCP (Reasonable Confidence Protocols) Required?
8021 B Methane, Chloride, Nitrate, Sulfate Chloride, NO₃, SO₄ Alkalinity Diss. Fe + Mn TOC (unpreserved) Total Phosphorus	
SAMPLE HANDLING <input checked="" type="checkbox"/> Filtration Done Fe + Mn <input type="checkbox"/> Not needed <input type="checkbox"/> Lab to do <input type="checkbox"/> Preservation <input type="checkbox"/> Lab to do (Please specify below)	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By: **[Signature]**

Date/Time: **2/18/09 10:55**

Received By: **[Signature]**

Date/Time: **2/18/09 10:55**

Container Type	Preservative
V	V
B	B
A	A
C	C
A	A
D	D

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 Terms and Conditions. See reverse side.



ANALYTICAL REPORT

Lab Number:	L0902178
Client:	ERM Consulting & Engineering, Inc. 399 Boylston Street 6th Floor Boston, MA 02116
ATTN:	Bahaar Frost
Project Name:	RAYTHEON-WAYLAND
Project Number:	0095922
Report Date:	03/10/09

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), 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: RAYTHEON-WAYLAND
Project Number: 0095922

Lab Number: L0902178
Report Date: 03/10/09

Alpha Sample ID	Client ID	Sample Location
L0902178-02	MW-553-20090218-01	WAYLAND, MA
L0902178-03	MW-552-20090218-01	WAYLAND, MA
L0902178-04	MW-265M-20090218-01	WAYLAND, MA
L0902178-05	MW-267M-20090218-01	WAYLAND, MA
L0902178-06	MW-560-20090219-01	WAYLAND, MA
L0902178-07	MW-261S-20090219-01	WAYLAND, MA
L0902178-08	DUP-001-20090219-01	WAYLAND, MA
L0902178-09	TB-001-20090209-01	WAYLAND, MA
L0902178-10	MW-266MB-20090219-01	WAYLAND, MA
L0902178-11	IW-5-20090219-01	WAYLAND, MA
L0902178-12	MW-266MA-20090219-01	WAYLAND, MA
L0902178-13	MW-267S-20090219-01	WAYLAND, MA
L0902178-14	MW-268M-20090219-01	WAYLAND, MA
L0902178-15	DUP-002-20090219-01	WAYLAND, MA
L0902178-16	MW-268D-20090219-01	WAYLAND, MA

Project Name: RAYTHEON-WAYLAND

Lab Number: L0902178

Project Number: 0095922

Report Date: 03/10/09

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

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



Project Name: RAYTHEON-WAYLAND
Project Number: 0095922

Lab Number: L0902178
Report Date: 03/10/09

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

Report Submission

This report replaces the report issued March 5, 2009. The client I.D. has been amended for L0902178-14.
This report replaces the report issued February 28, 2009. Sample L0902178-01 has been removed from this report.

MCP Related Narratives

Sample Receipt

The samples were Field Filtered for Dissolved Metals only.
The Volatile Organics compound list was specified by the client.

Project Name: RAYTHEON-WAYLAND
Project Number: 0095922

Lab Number: L0902178
Report Date: 03/10/09

Case Narrative (continued)

Volatile Organics

L0902178-02 through -05, -10, -11, -13, -14, and -15 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

In reference to question E:

The surrogate recovery for L0902178-09 is above the acceptance criteria for Dibromofluoromethane (134%).

Since the sample was non-detect for all target analytes, re-analysis is not required.

The surrogate recovery for the WG353844-3 Method Blank associated with L0902178-11 and -15 is above the acceptance criteria for Dibromofluoromethane (131%). Since the blank was non-detect for all target analytes, re-analysis is not required.

The WG353738-1/-2 LCS/LCSD recoveries associated with L0902178-02 through -07, -09, -10, -12, and -13 are below the acceptance criteria for Dichlorodifluoromethane (60%/65%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for this compound.

In reference to question F:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

Metals

In reference to question F:

All samples were analyzed for a subset of MCP elements per the Chain of Custody.

Non-MCP Related Narratives

Sample Receipt

For samples "MW-553-20090218-01", "MW-552-20090218-01", "MW-265M-20090218-01", and "MW-267M-20090218-01", the analysis of Nitrate was received with the method required holding time exceeded and was performed at the client's request.

Chloride

L0902178-12 has an elevated detection limit due to the dilution required to quantitate the result within the calibration range.

Project Name: RAYTHEON-WAYLAND
Project Number: 0095922

Lab Number: L0902178
Report Date: 03/10/09

Case Narrative (continued)

Nitrate

L0902178-05, -10, and -12 through -15 have elevated detection limits due to the dilutions required by the sample matrices.

Total Phosphorus

L0902178-13 and -15 have elevated detection limits due to the dilutions required by the sample matrices.

Sulfate

L0902178-05, -13, -14, and -15 have elevated detection limits due to the dilutions required to quantitate the results within the calibration range.

TOC

L0902178-06, -08, and -11 have elevated detection limits due to the dilutions required by the elevated concentrations present in the samples.

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: 03/10/09

ORGANICS

VOLATILES

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-02
Client ID: MW-553-20090218-01
Sample Location: WAYLAND, MA
Matrix: Water
Analytical Method: 60,8260B
Analytical Date: 02/23/09 13:10
Analyst: MM

Date Collected: 02/18/09 11:20
Date Received: 02/20/09
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics - Westborough Lab					
Methylene chloride	ND		ug/l	50	10
1,1-Dichloroethane	ND		ug/l	7.5	10
Chloroform	ND		ug/l	7.5	10
Carbon tetrachloride	ND		ug/l	5.0	10
1,2-Dichloropropane	ND		ug/l	18	10
Dibromochloromethane	ND		ug/l	5.0	10
1,1,2-Trichloroethane	ND		ug/l	7.5	10
Tetrachloroethene	62		ug/l	5.0	10
Chlorobenzene	ND		ug/l	5.0	10
1,2-Dichloroethane	ND		ug/l	5.0	10
1,1,1-Trichloroethane	ND		ug/l	5.0	10
Bromodichloromethane	ND		ug/l	5.0	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	10
Bromoform	ND		ug/l	20	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	10
Chloromethane	ND		ug/l	25	10
Vinyl chloride	ND		ug/l	10	10
Chloroethane	ND		ug/l	10	10
1,1-Dichloroethene	ND		ug/l	5.0	10
trans-1,2-Dichloroethene	ND		ug/l	7.5	10
Trichloroethene	560		ug/l	5.0	10
1,2-Dichlorobenzene	ND		ug/l	25	10
1,3-Dichlorobenzene	ND		ug/l	25	10
1,4-Dichlorobenzene	ND		ug/l	25	10
cis-1,2-Dichloroethene	120		ug/l	5.0	10
Dichlorodifluoromethane	ND		ug/l	50	10
1,2-Dibromoethane	ND		ug/l	20	10
1,3-Dichloropropane	ND		ug/l	25	10
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	10

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-02
 Client ID: MW-553-20090218-01
 Sample Location: WAYLAND, MA

Date Collected: 02/18/09 11:20
 Date Received: 02/20/09
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics - Westborough Lab					
o-Chlorotoluene	ND		ug/l	25	10
p-Chlorotoluene	ND		ug/l	25	10
Hexachlorobutadiene	ND		ug/l	6.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	127		70-130

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-03
Client ID: MW-552-20090218-01
Sample Location: WAYLAND, MA
Matrix: Water
Analytical Method: 60,8260B
Analytical Date: 02/23/09 13:48
Analyst: MM

Date Collected: 02/18/09 13:30
Date Received: 02/20/09
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics - Westborough Lab					
Methylene chloride	ND		ug/l	500	100
1,1-Dichloroethane	ND		ug/l	75	100
Chloroform	ND		ug/l	75	100
Carbon tetrachloride	ND		ug/l	50	100
1,2-Dichloropropane	ND		ug/l	180	100
Dibromochloromethane	ND		ug/l	50	100
1,1,2-Trichloroethane	ND		ug/l	75	100
Tetrachloroethene	340		ug/l	50	100
Chlorobenzene	ND		ug/l	50	100
1,2-Dichloroethane	ND		ug/l	50	100
1,1,1-Trichloroethane	ND		ug/l	50	100
Bromodichloromethane	ND		ug/l	50	100
trans-1,3-Dichloropropene	ND		ug/l	50	100
cis-1,3-Dichloropropene	ND		ug/l	50	100
Bromoform	ND		ug/l	200	100
1,1,2,2-Tetrachloroethane	ND		ug/l	50	100
Chloromethane	ND		ug/l	250	100
Vinyl chloride	ND		ug/l	100	100
Chloroethane	ND		ug/l	100	100
1,1-Dichloroethene	ND		ug/l	50	100
trans-1,2-Dichloroethene	ND		ug/l	75	100
Trichloroethene	6400		ug/l	50	100
1,2-Dichlorobenzene	ND		ug/l	250	100
1,3-Dichlorobenzene	ND		ug/l	250	100
1,4-Dichlorobenzene	ND		ug/l	250	100
cis-1,2-Dichloroethene	680		ug/l	50	100
Dichlorodifluoromethane	ND		ug/l	500	100
1,2-Dibromoethane	ND		ug/l	200	100
1,3-Dichloropropane	ND		ug/l	250	100
1,1,1,2-Tetrachloroethane	ND		ug/l	50	100

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-03
 Client ID: MW-552-20090218-01
 Sample Location: WAYLAND, MA

Date Collected: 02/18/09 13:30
 Date Received: 02/20/09
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics - Westborough Lab					
o-Chlorotoluene	ND		ug/l	250	100
p-Chlorotoluene	ND		ug/l	250	100
Hexachlorobutadiene	ND		ug/l	60	100
1,2,4-Trichlorobenzene	ND		ug/l	250	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	129		70-130

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-04
Client ID: MW-265M-20090218-01
Sample Location: WAYLAND, MA
Matrix: Water
Analytical Method: 60,8260B
Analytical Date: 02/23/09 14:26
Analyst: MM

Date Collected: 02/18/09 14:50
Date Received: 02/20/09
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics - Westborough Lab					
Methylene chloride	ND		ug/l	100	20
1,1-Dichloroethane	ND		ug/l	15	20
Chloroform	ND		ug/l	15	20
Carbon tetrachloride	ND		ug/l	10	20
1,2-Dichloropropane	ND		ug/l	35	20
Dibromochloromethane	ND		ug/l	10	20
1,1,2-Trichloroethane	ND		ug/l	15	20
Tetrachloroethene	40		ug/l	10	20
Chlorobenzene	ND		ug/l	10	20
1,2-Dichloroethane	ND		ug/l	10	20
1,1,1-Trichloroethane	ND		ug/l	10	20
Bromodichloromethane	ND		ug/l	10	20
trans-1,3-Dichloropropene	ND		ug/l	10	20
cis-1,3-Dichloropropene	ND		ug/l	10	20
Bromoform	ND		ug/l	40	20
1,1,2,2-Tetrachloroethane	ND		ug/l	10	20
Chloromethane	ND		ug/l	50	20
Vinyl chloride	46		ug/l	20	20
Chloroethane	ND		ug/l	20	20
1,1-Dichloroethene	ND		ug/l	10	20
trans-1,2-Dichloroethene	ND		ug/l	15	20
Trichloroethene	490		ug/l	10	20
1,2-Dichlorobenzene	ND		ug/l	50	20
1,3-Dichlorobenzene	ND		ug/l	50	20
1,4-Dichlorobenzene	ND		ug/l	50	20
cis-1,2-Dichloroethene	400		ug/l	10	20
Dichlorodifluoromethane	ND		ug/l	100	20
1,2-Dibromoethane	ND		ug/l	40	20
1,3-Dichloropropane	ND		ug/l	50	20
1,1,1,2-Tetrachloroethane	ND		ug/l	10	20

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-04

Date Collected: 02/18/09 14:50

Client ID: MW-265M-20090218-01

Date Received: 02/20/09

Sample Location: WAYLAND, MA

Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics - Westborough Lab					
o-Chlorotoluene	ND		ug/l	50	20
p-Chlorotoluene	ND		ug/l	50	20
Hexachlorobutadiene	ND		ug/l	12	20
1,2,4-Trichlorobenzene	ND		ug/l	50	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	130		70-130

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-05
Client ID: MW-267M-20090218-01
Sample Location: WAYLAND, MA
Matrix: Water
Analytical Method: 60,8260B
Analytical Date: 02/23/09 15:04
Analyst: MM

Date Collected: 02/18/09 14:45
Date Received: 02/20/09
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics - Westborough Lab					
Methylene chloride	ND		ug/l	100	20
1,1-Dichloroethane	ND		ug/l	15	20
Chloroform	ND		ug/l	15	20
Carbon tetrachloride	ND		ug/l	10	20
1,2-Dichloropropane	ND		ug/l	35	20
Dibromochloromethane	ND		ug/l	10	20
1,1,2-Trichloroethane	ND		ug/l	15	20
Tetrachloroethene	38		ug/l	10	20
Chlorobenzene	ND		ug/l	10	20
1,2-Dichloroethane	ND		ug/l	10	20
1,1,1-Trichloroethane	ND		ug/l	10	20
Bromodichloromethane	ND		ug/l	10	20
trans-1,3-Dichloropropene	ND		ug/l	10	20
cis-1,3-Dichloropropene	ND		ug/l	10	20
Bromoform	ND		ug/l	40	20
1,1,2,2-Tetrachloroethane	ND		ug/l	10	20
Chloromethane	ND		ug/l	50	20
Vinyl chloride	36		ug/l	20	20
Chloroethane	ND		ug/l	20	20
1,1-Dichloroethene	ND		ug/l	10	20
trans-1,2-Dichloroethene	ND		ug/l	15	20
Trichloroethene	760		ug/l	10	20
1,2-Dichlorobenzene	ND		ug/l	50	20
1,3-Dichlorobenzene	ND		ug/l	50	20
1,4-Dichlorobenzene	ND		ug/l	50	20
cis-1,2-Dichloroethene	940		ug/l	10	20
Dichlorodifluoromethane	ND		ug/l	100	20
1,2-Dibromoethane	ND		ug/l	40	20
1,3-Dichloropropane	ND		ug/l	50	20
1,1,1,2-Tetrachloroethane	ND		ug/l	10	20

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-05

Date Collected: 02/18/09 14:45

Client ID: MW-267M-20090218-01

Date Received: 02/20/09

Sample Location: WAYLAND, MA

Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics - Westborough Lab					
o-Chlorotoluene	ND		ug/l	50	20
p-Chlorotoluene	ND		ug/l	50	20
Hexachlorobutadiene	ND		ug/l	12	20
1,2,4-Trichlorobenzene	ND		ug/l	50	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	127		70-130

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-06
Client ID: MW-560-20090219-01
Sample Location: WAYLAND, MA
Matrix: Water
Analytical Method: 60,8260B
Analytical Date: 02/23/09 15:42
Analyst: MM

Date Collected: 02/19/09 09:00
Date Received: 02/20/09
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics - Westborough Lab					
Methylene chloride	ND		ug/l	5.0	1
1,1-Dichloroethane	ND		ug/l	0.75	1
Chloroform	ND		ug/l	0.75	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	1.8	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.75	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
Bromoform	ND		ug/l	2.0	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	2.5	1
Vinyl chloride	4.9		ug/l	1.0	1
Chloroethane	ND		ug/l	1.0	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	1
Trichloroethene	12		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.5	1
1,3-Dichlorobenzene	ND		ug/l	2.5	1
1,4-Dichlorobenzene	ND		ug/l	2.5	1
cis-1,2-Dichloroethene	3.9		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-06
 Client ID: MW-560-20090219-01
 Sample Location: WAYLAND, MA

Date Collected: 02/19/09 09:00
 Date Received: 02/20/09
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics - Westborough Lab					
o-Chlorotoluene	ND		ug/l	2.5	1
p-Chlorotoluene	ND		ug/l	2.5	1
Hexachlorobutadiene	ND		ug/l	0.60	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	130		70-130

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-07
Client ID: MW-261S-20090219-01
Sample Location: WAYLAND, MA
Matrix: Water
Analytical Method: 60,8260B
Analytical Date: 02/23/09 16:20
Analyst: MM

Date Collected: 02/19/09 07:50
Date Received: 02/20/09
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics - Westborough Lab					
Methylene chloride	ND		ug/l	500	100
1,1-Dichloroethane	ND		ug/l	75	100
Chloroform	ND		ug/l	75	100
Carbon tetrachloride	ND		ug/l	50	100
1,2-Dichloropropane	ND		ug/l	180	100
Dibromochloromethane	ND		ug/l	50	100
1,1,2-Trichloroethane	ND		ug/l	75	100
Tetrachloroethene	ND		ug/l	50	100
Chlorobenzene	ND		ug/l	50	100
1,2-Dichloroethane	ND		ug/l	50	100
1,1,1-Trichloroethane	ND		ug/l	50	100
Bromodichloromethane	ND		ug/l	50	100
trans-1,3-Dichloropropene	ND		ug/l	50	100
cis-1,3-Dichloropropene	ND		ug/l	50	100
Bromoform	ND		ug/l	200	100
1,1,2,2-Tetrachloroethane	ND		ug/l	50	100
Chloromethane	ND		ug/l	250	100
Vinyl chloride	ND		ug/l	100	100
Chloroethane	ND		ug/l	100	100
1,1-Dichloroethene	ND		ug/l	50	100
trans-1,2-Dichloroethene	ND		ug/l	75	100
Trichloroethene	1500		ug/l	50	100
1,2-Dichlorobenzene	ND		ug/l	250	100
1,3-Dichlorobenzene	ND		ug/l	250	100
1,4-Dichlorobenzene	ND		ug/l	250	100
cis-1,2-Dichloroethene	ND		ug/l	50	100
Dichlorodifluoromethane	ND		ug/l	500	100
1,2-Dibromoethane	ND		ug/l	200	100
1,3-Dichloropropane	ND		ug/l	250	100
1,1,1,2-Tetrachloroethane	ND		ug/l	50	100

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-07

Date Collected: 02/19/09 07:50

Client ID: MW-261S-20090219-01

Date Received: 02/20/09

Sample Location: WAYLAND, MA

Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics - Westborough Lab					
o-Chlorotoluene	ND		ug/l	250	100
p-Chlorotoluene	ND		ug/l	250	100
Hexachlorobutadiene	ND		ug/l	60	100
1,2,4-Trichlorobenzene	ND		ug/l	250	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	130		70-130

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-08
Client ID: DUP-001-20090219-01
Sample Location: WAYLAND, MA
Matrix: Water
Analytical Method: 60,8260B
Analytical Date: 02/24/09 19:57
Analyst: PD

Date Collected: 02/19/09 11:11
Date Received: 02/20/09
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics - Westborough Lab					
Methylene chloride	ND		ug/l	5.0	1
1,1-Dichloroethane	ND		ug/l	0.75	1
Chloroform	ND		ug/l	0.75	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	1.8	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.75	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
Bromoform	ND		ug/l	2.0	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	2.5	1
Vinyl chloride	4.1		ug/l	1.0	1
Chloroethane	ND		ug/l	1.0	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	1
Trichloroethene	13		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.5	1
1,3-Dichlorobenzene	ND		ug/l	2.5	1
1,4-Dichlorobenzene	ND		ug/l	2.5	1
cis-1,2-Dichloroethene	3.5		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-08

Date Collected: 02/19/09 11:11

Client ID: DUP-001-20090219-01

Date Received: 02/20/09

Sample Location: WAYLAND, MA

Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics - Westborough Lab					
o-Chlorotoluene	ND		ug/l	2.5	1
p-Chlorotoluene	ND		ug/l	2.5	1
Hexachlorobutadiene	ND		ug/l	0.60	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	108		70-130

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-09
Client ID: TB-001-20090209-01
Sample Location: WAYLAND, MA
Matrix: Water
Analytical Method: 60,8260B
Analytical Date: 02/23/09 16:58
Analyst: MM

Date Collected: 02/09/09 11:10
Date Received: 02/20/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics - Westborough Lab					
Methylene chloride	ND		ug/l	5.0	1
1,1-Dichloroethane	ND		ug/l	0.75	1
Chloroform	ND		ug/l	0.75	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	1.8	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.75	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
Bromoform	ND		ug/l	2.0	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	2.5	1
Vinyl chloride	ND		ug/l	1.0	1
Chloroethane	ND		ug/l	1.0	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	1
Trichloroethene	ND		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.5	1
1,3-Dichlorobenzene	ND		ug/l	2.5	1
1,4-Dichlorobenzene	ND		ug/l	2.5	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-09
 Client ID: TB-001-20090209-01
 Sample Location: WAYLAND, MA

Date Collected: 02/09/09 11:10
 Date Received: 02/20/09
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics - Westborough Lab					
o-Chlorotoluene	ND		ug/l	2.5	1
p-Chlorotoluene	ND		ug/l	2.5	1
Hexachlorobutadiene	ND		ug/l	0.60	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	134		70-130

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-10
Client ID: MW-266MB-20090219-01
Sample Location: WAYLAND, MA
Matrix: Water
Analytical Method: 60,8260B
Analytical Date: 02/23/09 17:36
Analyst: MM

Date Collected: 02/19/09 09:15
Date Received: 02/20/09
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics - Westborough Lab					
Methylene chloride	ND		ug/l	25	5
1,1-Dichloroethane	ND		ug/l	3.8	5
Chloroform	ND		ug/l	3.8	5
Carbon tetrachloride	ND		ug/l	2.5	5
1,2-Dichloropropane	ND		ug/l	8.8	5
Dibromochloromethane	ND		ug/l	2.5	5
1,1,2-Trichloroethane	ND		ug/l	3.8	5
Tetrachloroethene	25		ug/l	2.5	5
Chlorobenzene	ND		ug/l	2.5	5
1,2-Dichloroethane	ND		ug/l	2.5	5
1,1,1-Trichloroethane	ND		ug/l	2.5	5
Bromodichloromethane	ND		ug/l	2.5	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	5
Bromoform	ND		ug/l	10	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	5
Chloromethane	ND		ug/l	12	5
Vinyl chloride	41		ug/l	5.0	5
Chloroethane	ND		ug/l	5.0	5
1,1-Dichloroethene	ND		ug/l	2.5	5
trans-1,2-Dichloroethene	ND		ug/l	3.8	5
Trichloroethene	140		ug/l	2.5	5
1,2-Dichlorobenzene	ND		ug/l	12	5
1,3-Dichlorobenzene	ND		ug/l	12	5
1,4-Dichlorobenzene	ND		ug/l	12	5
cis-1,2-Dichloroethene	430		ug/l	2.5	5
Dichlorodifluoromethane	ND		ug/l	25	5
1,2-Dibromoethane	ND		ug/l	10	5
1,3-Dichloropropane	ND		ug/l	12	5
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	5

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-10

Date Collected: 02/19/09 09:15

Client ID: MW-266MB-20090219-01

Date Received: 02/20/09

Sample Location: WAYLAND, MA

Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics - Westborough Lab					
o-Chlorotoluene	ND		ug/l	12	5
p-Chlorotoluene	ND		ug/l	12	5
Hexachlorobutadiene	ND		ug/l	3.0	5
1,2,4-Trichlorobenzene	ND		ug/l	12	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	130		70-130

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-11
Client ID: IW-5-20090219-01
Sample Location: WAYLAND, MA
Matrix: Water
Analytical Method: 60,8260B
Analytical Date: 02/24/09 12:40
Analyst: MM

Date Collected: 02/19/09 10:50
Date Received: 02/20/09
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics - Westborough Lab					
Methylene chloride	ND		ug/l	25	5
1,1-Dichloroethane	ND		ug/l	3.8	5
Chloroform	ND		ug/l	3.8	5
Carbon tetrachloride	ND		ug/l	2.5	5
1,2-Dichloropropane	ND		ug/l	8.8	5
Dibromochloromethane	ND		ug/l	2.5	5
1,1,2-Trichloroethane	ND		ug/l	3.8	5
Tetrachloroethene	7.1		ug/l	2.5	5
Chlorobenzene	ND		ug/l	2.5	5
1,2-Dichloroethane	ND		ug/l	2.5	5
1,1,1-Trichloroethane	ND		ug/l	2.5	5
Bromodichloromethane	ND		ug/l	2.5	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	5
Bromoform	ND		ug/l	10	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	5
Chloromethane	ND		ug/l	12	5
Vinyl chloride	19		ug/l	5.0	5
Chloroethane	ND		ug/l	5.0	5
1,1-Dichloroethene	ND		ug/l	2.5	5
trans-1,2-Dichloroethene	ND		ug/l	3.8	5
Trichloroethene	400		ug/l	2.5	5
1,2-Dichlorobenzene	ND		ug/l	12	5
1,3-Dichlorobenzene	ND		ug/l	12	5
1,4-Dichlorobenzene	ND		ug/l	12	5
cis-1,2-Dichloroethene	320		ug/l	2.5	5
Dichlorodifluoromethane	ND		ug/l	25	5
1,2-Dibromoethane	ND		ug/l	10	5
1,3-Dichloropropane	ND		ug/l	12	5
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	5

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-11
 Client ID: IW-5-20090219-01
 Sample Location: WAYLAND, MA

Date Collected: 02/19/09 10:50
 Date Received: 02/20/09
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics - Westborough Lab					
o-Chlorotoluene	ND		ug/l	12	5
p-Chlorotoluene	ND		ug/l	12	5
Hexachlorobutadiene	ND		ug/l	3.0	5
1,2,4-Trichlorobenzene	ND		ug/l	12	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	122		70-130

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-12
Client ID: MW-266MA-20090219-01
Sample Location: WAYLAND, MA
Matrix: Water
Analytical Method: 60,8260B
Analytical Date: 02/23/09 18:13
Analyst: MM

Date Collected: 02/19/09 10:50
Date Received: 02/20/09
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics - Westborough Lab					
Methylene chloride	ND		ug/l	5.0	1
1,1-Dichloroethane	ND		ug/l	0.75	1
Chloroform	ND		ug/l	0.75	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	1.8	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.75	1
Tetrachloroethene	0.72		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
Bromoform	ND		ug/l	2.0	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	2.5	1
Vinyl chloride	ND		ug/l	1.0	1
Chloroethane	ND		ug/l	1.0	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	1
Trichloroethene	23		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.5	1
1,3-Dichlorobenzene	ND		ug/l	2.5	1
1,4-Dichlorobenzene	ND		ug/l	2.5	1
cis-1,2-Dichloroethene	8.2		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-12

Date Collected: 02/19/09 10:50

Client ID: MW-266MA-20090219-01

Date Received: 02/20/09

Sample Location: WAYLAND, MA

Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics - Westborough Lab					
o-Chlorotoluene	ND		ug/l	2.5	1
p-Chlorotoluene	ND		ug/l	2.5	1
Hexachlorobutadiene	ND		ug/l	0.60	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	130		70-130

Project Name: RAYTHEON-WAYLAND

Lab Number: L0902178

Project Number: 0095922

Report Date: 03/10/09

SAMPLE RESULTS

Lab ID: L0902178-13
 Client ID: MW-267S-20090219-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 02/23/09 18:51
 Analyst: MM

Date Collected: 02/19/09 13:20
 Date Received: 02/20/09
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics - Westborough Lab					
Methylene chloride	ND		ug/l	50	10
1,1-Dichloroethane	ND		ug/l	7.5	10
Chloroform	ND		ug/l	7.5	10
Carbon tetrachloride	ND		ug/l	5.0	10
1,2-Dichloropropane	ND		ug/l	18	10
Dibromochloromethane	ND		ug/l	5.0	10
1,1,2-Trichloroethane	ND		ug/l	7.5	10
Tetrachloroethene	7.5		ug/l	5.0	10
Chlorobenzene	ND		ug/l	5.0	10
1,2-Dichloroethane	ND		ug/l	5.0	10
1,1,1-Trichloroethane	ND		ug/l	5.0	10
Bromodichloromethane	ND		ug/l	5.0	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	10
Bromoform	ND		ug/l	20	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	10
Chloromethane	ND		ug/l	25	10
Vinyl chloride	ND		ug/l	10	10
Chloroethane	ND		ug/l	10	10
1,1-Dichloroethene	ND		ug/l	5.0	10
trans-1,2-Dichloroethene	ND		ug/l	7.5	10
Trichloroethene	390		ug/l	5.0	10
1,2-Dichlorobenzene	ND		ug/l	25	10
1,3-Dichlorobenzene	ND		ug/l	25	10
1,4-Dichlorobenzene	ND		ug/l	25	10
cis-1,2-Dichloroethene	78		ug/l	5.0	10
Dichlorodifluoromethane	ND		ug/l	50	10
1,2-Dibromoethane	ND		ug/l	20	10
1,3-Dichloropropane	ND		ug/l	25	10
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	10

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-13

Date Collected: 02/19/09 13:20

Client ID: MW-267S-20090219-01

Date Received: 02/20/09

Sample Location: WAYLAND, MA

Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics - Westborough Lab					
o-Chlorotoluene	ND		ug/l	25	10
p-Chlorotoluene	ND		ug/l	25	10
Hexachlorobutadiene	ND		ug/l	6.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	130		70-130

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-14
Client ID: MW-268M-20090219-01
Sample Location: WAYLAND, MA
Matrix: Water
Analytical Method: 60,8260B
Analytical Date: 02/24/09 20:35
Analyst: PD

Date Collected: 02/19/09 12:30
Date Received: 02/20/09
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics - Westborough Lab					
Methylene chloride	ND		ug/l	500	100
1,1-Dichloroethane	ND		ug/l	75	100
Chloroform	ND		ug/l	75	100
Carbon tetrachloride	ND		ug/l	50	100
1,2-Dichloropropane	ND		ug/l	180	100
Dibromochloromethane	ND		ug/l	50	100
1,1,2-Trichloroethane	ND		ug/l	75	100
Tetrachloroethene	54		ug/l	50	100
Chlorobenzene	ND		ug/l	50	100
1,2-Dichloroethane	ND		ug/l	50	100
1,1,1-Trichloroethane	ND		ug/l	50	100
Bromodichloromethane	ND		ug/l	50	100
trans-1,3-Dichloropropene	ND		ug/l	50	100
cis-1,3-Dichloropropene	ND		ug/l	50	100
Bromoform	ND		ug/l	200	100
1,1,2,2-Tetrachloroethane	ND		ug/l	50	100
Chloromethane	ND		ug/l	250	100
Vinyl chloride	110		ug/l	100	100
Chloroethane	ND		ug/l	100	100
1,1-Dichloroethene	ND		ug/l	50	100
trans-1,2-Dichloroethene	ND		ug/l	75	100
Trichloroethene	2000		ug/l	50	100
1,2-Dichlorobenzene	ND		ug/l	250	100
1,3-Dichlorobenzene	ND		ug/l	250	100
1,4-Dichlorobenzene	ND		ug/l	250	100
cis-1,2-Dichloroethene	3400		ug/l	50	100
Dichlorodifluoromethane	ND		ug/l	500	100
1,2-Dibromoethane	ND		ug/l	200	100
1,3-Dichloropropane	ND		ug/l	250	100
1,1,1,2-Tetrachloroethane	ND		ug/l	50	100

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-14

Date Collected: 02/19/09 12:30

Client ID: MW-268M-20090219-01

Date Received: 02/20/09

Sample Location: WAYLAND, MA

Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics - Westborough Lab					
o-Chlorotoluene	ND		ug/l	250	100
p-Chlorotoluene	ND		ug/l	250	100
Hexachlorobutadiene	ND		ug/l	60	100
1,2,4-Trichlorobenzene	ND		ug/l	250	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	110		70-130

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-15
Client ID: DUP-002-20090219-01
Sample Location: WAYLAND, MA
Matrix: Water
Analytical Method: 60,8260B
Analytical Date: 02/24/09 13:19
Analyst: MM

Date Collected: 02/19/09 13:13
Date Received: 02/20/09
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics - Westborough Lab					
Methylene chloride	ND		ug/l	25	5
1,1-Dichloroethane	ND		ug/l	3.8	5
Chloroform	ND		ug/l	3.8	5
Carbon tetrachloride	ND		ug/l	2.5	5
1,2-Dichloropropane	ND		ug/l	8.8	5
Dibromochloromethane	ND		ug/l	2.5	5
1,1,2-Trichloroethane	ND		ug/l	3.8	5
Tetrachloroethene	7.8		ug/l	2.5	5
Chlorobenzene	ND		ug/l	2.5	5
1,2-Dichloroethane	ND		ug/l	2.5	5
1,1,1-Trichloroethane	ND		ug/l	2.5	5
Bromodichloromethane	ND		ug/l	2.5	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	5
Bromoform	ND		ug/l	10	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	5
Chloromethane	ND		ug/l	12	5
Vinyl chloride	ND		ug/l	5.0	5
Chloroethane	ND		ug/l	5.0	5
1,1-Dichloroethene	ND		ug/l	2.5	5
trans-1,2-Dichloroethene	ND		ug/l	3.8	5
Trichloroethene	460		ug/l	2.5	5
1,2-Dichlorobenzene	ND		ug/l	12	5
1,3-Dichlorobenzene	ND		ug/l	12	5
1,4-Dichlorobenzene	ND		ug/l	12	5
cis-1,2-Dichloroethene	92		ug/l	2.5	5
Dichlorodifluoromethane	ND		ug/l	25	5
1,2-Dibromoethane	ND		ug/l	10	5
1,3-Dichloropropane	ND		ug/l	12	5
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	5

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-15

Date Collected: 02/19/09 13:13

Client ID: DUP-002-20090219-01

Date Received: 02/20/09

Sample Location: WAYLAND, MA

Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics - Westborough Lab					
o-Chlorotoluene	ND		ug/l	12	5
p-Chlorotoluene	ND		ug/l	12	5
Hexachlorobutadiene	ND		ug/l	3.0	5
1,2,4-Trichlorobenzene	ND		ug/l	12	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	126		70-130

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-16
Client ID: MW-268D-20090219-01
Sample Location: WAYLAND, MA
Matrix: Water
Analytical Method: 60,8260B
Analytical Date: 02/25/09 11:24
Analyst: PD

Date Collected: 02/19/09 14:00
Date Received: 02/20/09
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics - Westborough Lab					
Methylene chloride	ND		ug/l	5.0	1
1,1-Dichloroethane	ND		ug/l	0.75	1
Chloroform	ND		ug/l	0.75	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	1.8	1
Dibromochloromethane	ND		ug/l	0.50	1
1,1,2-Trichloroethane	ND		ug/l	0.75	1
Tetrachloroethene	ND		ug/l	0.50	1
Chlorobenzene	ND		ug/l	0.50	1
1,2-Dichloroethane	ND		ug/l	0.50	1
1,1,1-Trichloroethane	ND		ug/l	0.50	1
Bromodichloromethane	ND		ug/l	0.50	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	1
Bromoform	ND		ug/l	2.0	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	1
Chloromethane	ND		ug/l	2.5	1
Vinyl chloride	ND		ug/l	1.0	1
Chloroethane	ND		ug/l	1.0	1
1,1-Dichloroethene	ND		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	1
Trichloroethene	7.1		ug/l	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.5	1
1,3-Dichlorobenzene	ND		ug/l	2.5	1
1,4-Dichlorobenzene	ND		ug/l	2.5	1
cis-1,2-Dichloroethene	9.9		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-16

Date Collected: 02/19/09 14:00

Client ID: MW-268D-20090219-01

Date Received: 02/20/09

Sample Location: WAYLAND, MA

Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics - Westborough Lab					
o-Chlorotoluene	ND		ug/l	2.5	1
p-Chlorotoluene	ND		ug/l	2.5	1
Hexachlorobutadiene	ND		ug/l	0.60	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	110		70-130

Project Name: RAYTHEON-WAYLAND
Project Number: 0095922

Lab Number: L0902178
Report Date: 03/10/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 02/23/09 11:54
Analyst: MM

Parameter	Result	Qualifier	Units	RDL
MCP Volatile Organics - Westborough Lab for sample(s): 02-07,09-10,12-13 Batch: WG353738-3				
Methylene chloride	ND		ug/l	5.0
1,1-Dichloroethane	ND		ug/l	0.75
Chloroform	ND		ug/l	0.75
Carbon tetrachloride	ND		ug/l	0.50
1,2-Dichloropropane	ND		ug/l	1.8
Dibromochloromethane	ND		ug/l	0.50
1,1,2-Trichloroethane	ND		ug/l	0.75
Tetrachloroethene	ND		ug/l	0.50
Chlorobenzene	ND		ug/l	0.50
1,2-Dichloroethane	ND		ug/l	0.50
1,1,1-Trichloroethane	ND		ug/l	0.50
Bromodichloromethane	ND		ug/l	0.50
trans-1,3-Dichloropropene	ND		ug/l	0.50
cis-1,3-Dichloropropene	ND		ug/l	0.50
Bromoform	ND		ug/l	2.0
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50
Chloromethane	ND		ug/l	2.5
Vinyl chloride	ND		ug/l	1.0
Chloroethane	ND		ug/l	1.0
1,1-Dichloroethene	ND		ug/l	0.50
trans-1,2-Dichloroethene	ND		ug/l	0.75
Trichloroethene	ND		ug/l	0.50
1,2-Dichlorobenzene	ND		ug/l	2.5
1,3-Dichlorobenzene	ND		ug/l	2.5
1,4-Dichlorobenzene	ND		ug/l	2.5
cis-1,2-Dichloroethene	ND		ug/l	0.50
Dichlorodifluoromethane	ND		ug/l	5.0
1,2-Dibromoethane	ND		ug/l	2.0
1,3-Dichloropropane	ND		ug/l	2.5
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50
o-Chlorotoluene	ND		ug/l	2.5

Project Name: RAYTHEON-WAYLAND
Project Number: 0095922

Lab Number: L0902178
Report Date: 03/10/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
 Analytical Date: 02/23/09 11:54
 Analyst: MM

Parameter	Result	Qualifier	Units	RDL
MCP Volatile Organics - Westborough Lab for sample(s): 02-07,09-10,12-13 Batch: WG353738-3				
p-Chlorotoluene	ND		ug/l	2.5
Hexachlorobutadiene	ND		ug/l	0.60
1,2,4-Trichlorobenzene	ND		ug/l	2.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	130		70-130

Project Name: RAYTHEON-WAYLAND

Lab Number: L0902178

Project Number: 0095922

Report Date: 03/10/09

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
 Analytical Date: 02/24/09 10:28
 Analyst: PD

Parameter	Result	Qualifier	Units	RDL
MCP Volatile Organics - Westborough Lab for sample(s): 08,14 Batch: WG353745-3				
Methylene chloride	ND		ug/l	5.0
1,1-Dichloroethane	ND		ug/l	0.75
Chloroform	ND		ug/l	0.75
Carbon tetrachloride	ND		ug/l	0.50
1,2-Dichloropropane	ND		ug/l	1.8
Dibromochloromethane	ND		ug/l	0.50
1,1,2-Trichloroethane	ND		ug/l	0.75
Tetrachloroethene	ND		ug/l	0.50
Chlorobenzene	ND		ug/l	0.50
Trichlorofluoromethane	ND		ug/l	2.5
1,2-Dichloroethane	ND		ug/l	0.50
1,1,1-Trichloroethane	ND		ug/l	0.50
Bromodichloromethane	ND		ug/l	0.50
trans-1,3-Dichloropropene	ND		ug/l	0.50
cis-1,3-Dichloropropene	ND		ug/l	0.50
1,1-Dichloropropene	ND		ug/l	2.5
Bromoform	ND		ug/l	2.0
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50
Benzene	ND		ug/l	0.50
Toluene	ND		ug/l	0.75
Ethylbenzene	ND		ug/l	0.50
Chloromethane	ND		ug/l	2.5
Bromomethane	ND		ug/l	1.0
Vinyl chloride	ND		ug/l	1.0
Chloroethane	ND		ug/l	1.0
1,1-Dichloroethene	ND		ug/l	0.50
trans-1,2-Dichloroethene	ND		ug/l	0.75
Trichloroethene	ND		ug/l	0.50
1,2-Dichlorobenzene	ND		ug/l	2.5
1,3-Dichlorobenzene	ND		ug/l	2.5
1,4-Dichlorobenzene	ND		ug/l	2.5

Project Name: RAYTHEON-WAYLAND
Project Number: 0095922

Lab Number: L0902178
Report Date: 03/10/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 02/24/09 10:28
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
MCP Volatile Organics - Westborough Lab for sample(s): 08,14 Batch: WG353745-3				
Methyl tert butyl ether	ND		ug/l	1.0
p/m-Xylene	ND		ug/l	1.0
o-Xylene	ND		ug/l	1.0
cis-1,2-Dichloroethene	ND		ug/l	0.50
Dibromomethane	ND		ug/l	5.0
1,2,3-Trichloropropane	ND		ug/l	5.0
Styrene	ND		ug/l	1.0
Dichlorodifluoromethane	ND		ug/l	5.0
Acetone	ND		ug/l	5.0
Carbon disulfide	ND		ug/l	5.0
2-Butanone	ND		ug/l	5.0
4-Methyl-2-pentanone	ND		ug/l	5.0
2-Hexanone	ND		ug/l	5.0
Bromochloromethane	ND		ug/l	2.5
Tetrahydrofuran	ND		ug/l	10
2,2-Dichloropropane	ND		ug/l	2.5
1,2-Dibromoethane	ND		ug/l	2.0
1,3-Dichloropropane	ND		ug/l	2.5
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50
Bromobenzene	ND		ug/l	2.5
n-Butylbenzene	ND		ug/l	0.50
sec-Butylbenzene	ND		ug/l	0.50
tert-Butylbenzene	ND		ug/l	2.5
o-Chlorotoluene	ND		ug/l	2.5
p-Chlorotoluene	ND		ug/l	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5
Hexachlorobutadiene	ND		ug/l	0.60
Isopropylbenzene	ND		ug/l	0.50
p-Isopropyltoluene	ND		ug/l	0.50
Naphthalene	ND		ug/l	2.5
n-Propylbenzene	ND		ug/l	0.50

Project Name: RAYTHEON-WAYLAND
Project Number: 0095922

Lab Number: L0902178
Report Date: 03/10/09

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 02/24/09 10:28
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
MCP Volatile Organics - Westborough Lab for sample(s): 08,14 Batch: WG353745-3				
1,2,3-Trichlorobenzene	ND		ug/l	2.5
1,2,4-Trichlorobenzene	ND		ug/l	2.5
1,3,5-Trimethylbenzene	ND		ug/l	2.5
1,2,4-Trimethylbenzene	ND		ug/l	2.5
Ethyl ether	ND		ug/l	2.5
Isopropyl Ether	ND		ug/l	2.0
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0
1,4-Dioxane	ND		ug/l	250

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	109		70-130

Project Name: RAYTHEON-WAYLAND
Project Number: 0095922

Lab Number: L0902178
Report Date: 03/10/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 02/24/09 10:47
Analyst: MM

Parameter	Result	Qualifier	Units	RDL
MCP Volatile Organics - Westborough Lab for sample(s): 11,15 Batch: WG353844-3				
Methylene chloride	ND		ug/l	5.0
1,1-Dichloroethane	ND		ug/l	0.75
Chloroform	ND		ug/l	0.75
Carbon tetrachloride	ND		ug/l	0.50
1,2-Dichloropropane	ND		ug/l	1.8
Dibromochloromethane	ND		ug/l	0.50
1,1,2-Trichloroethane	ND		ug/l	0.75
Tetrachloroethene	ND		ug/l	0.50
Chlorobenzene	ND		ug/l	0.50
Trichlorofluoromethane	ND		ug/l	2.5
1,2-Dichloroethane	ND		ug/l	0.50
1,1,1-Trichloroethane	ND		ug/l	0.50
Bromodichloromethane	ND		ug/l	0.50
trans-1,3-Dichloropropene	ND		ug/l	0.50
cis-1,3-Dichloropropene	ND		ug/l	0.50
1,1-Dichloropropene	ND		ug/l	2.5
Bromoform	ND		ug/l	2.0
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50
Benzene	ND		ug/l	0.50
Toluene	ND		ug/l	0.75
Ethylbenzene	ND		ug/l	0.50
Chloromethane	ND		ug/l	2.5
Bromomethane	ND		ug/l	1.0
Vinyl chloride	ND		ug/l	1.0
Chloroethane	ND		ug/l	1.0
1,1-Dichloroethene	ND		ug/l	0.50
trans-1,2-Dichloroethene	ND		ug/l	0.75
Trichloroethene	ND		ug/l	0.50
1,2-Dichlorobenzene	ND		ug/l	2.5
1,3-Dichlorobenzene	ND		ug/l	2.5
1,4-Dichlorobenzene	ND		ug/l	2.5

Project Name: RAYTHEON-WAYLAND
Project Number: 0095922

Lab Number: L0902178
Report Date: 03/10/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 02/24/09 10:47
Analyst: MM

Parameter	Result	Qualifier	Units	RDL
MCP Volatile Organics - Westborough Lab for sample(s): 11,15 Batch: WG353844-3				
Methyl tert butyl ether	ND		ug/l	1.0
p/m-Xylene	ND		ug/l	1.0
o-Xylene	ND		ug/l	1.0
cis-1,2-Dichloroethene	ND		ug/l	0.50
Dibromomethane	ND		ug/l	5.0
1,2,3-Trichloropropane	ND		ug/l	5.0
Styrene	ND		ug/l	1.0
Dichlorodifluoromethane	ND		ug/l	5.0
Acetone	ND		ug/l	5.0
Carbon disulfide	ND		ug/l	5.0
2-Butanone	ND		ug/l	5.0
4-Methyl-2-pentanone	ND		ug/l	5.0
2-Hexanone	ND		ug/l	5.0
Bromochloromethane	ND		ug/l	2.5
Tetrahydrofuran	ND		ug/l	10
2,2-Dichloropropane	ND		ug/l	2.5
1,2-Dibromoethane	ND		ug/l	2.0
1,3-Dichloropropane	ND		ug/l	2.5
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50
Bromobenzene	ND		ug/l	2.5
n-Butylbenzene	ND		ug/l	0.50
sec-Butylbenzene	ND		ug/l	0.50
tert-Butylbenzene	ND		ug/l	2.5
o-Chlorotoluene	ND		ug/l	2.5
p-Chlorotoluene	ND		ug/l	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5
Hexachlorobutadiene	ND		ug/l	0.60
Isopropylbenzene	ND		ug/l	0.50
p-Isopropyltoluene	ND		ug/l	0.50
Naphthalene	ND		ug/l	2.5
n-Propylbenzene	ND		ug/l	0.50

Project Name: RAYTHEON-WAYLAND
Project Number: 0095922

Lab Number: L0902178
Report Date: 03/10/09

**Method Blank Analysis
 Batch Quality Control**

Analytical Method: 60,8260B
 Analytical Date: 02/24/09 10:47
 Analyst: MM

Parameter	Result	Qualifier	Units	RDL
MCP Volatile Organics - Westborough Lab for sample(s): 11,15 Batch: WG353844-3				
1,2,3-Trichlorobenzene	ND		ug/l	2.5
1,2,4-Trichlorobenzene	ND		ug/l	2.5
1,3,5-Trimethylbenzene	ND		ug/l	2.5
1,2,4-Trimethylbenzene	ND		ug/l	2.5
Ethyl ether	ND		ug/l	2.5
Isopropyl Ether	ND		ug/l	2.0
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0
1,4-Dioxane	ND		ug/l	250

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	131		70-130

Project Name: RAYTHEON-WAYLAND

Lab Number: L0902178

Project Number: 0095922

Report Date: 03/10/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
 Analytical Date: 02/25/09 10:46
 Analyst: PD

Parameter	Result	Qualifier	Units	RDL
MCP Volatile Organics - Westborough Lab for sample(s): 16 Batch: WG353876-3				
Methylene chloride	ND		ug/l	5.0
1,1-Dichloroethane	ND		ug/l	0.75
Chloroform	ND		ug/l	0.75
Carbon tetrachloride	ND		ug/l	0.50
1,2-Dichloropropane	ND		ug/l	1.8
Dibromochloromethane	ND		ug/l	0.50
1,1,2-Trichloroethane	ND		ug/l	0.75
Tetrachloroethene	ND		ug/l	0.50
Chlorobenzene	ND		ug/l	0.50
Trichlorofluoromethane	ND		ug/l	2.5
1,2-Dichloroethane	ND		ug/l	0.50
1,1,1-Trichloroethane	ND		ug/l	0.50
Bromodichloromethane	ND		ug/l	0.50
trans-1,3-Dichloropropene	ND		ug/l	0.50
cis-1,3-Dichloropropene	ND		ug/l	0.50
1,1-Dichloropropene	ND		ug/l	2.5
Bromoform	ND		ug/l	2.0
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50
Benzene	ND		ug/l	0.50
Toluene	ND		ug/l	0.75
Ethylbenzene	ND		ug/l	0.50
Chloromethane	ND		ug/l	2.5
Bromomethane	ND		ug/l	1.0
Vinyl chloride	ND		ug/l	1.0
Chloroethane	ND		ug/l	1.0
1,1-Dichloroethene	ND		ug/l	0.50
trans-1,2-Dichloroethene	ND		ug/l	0.75
Trichloroethene	ND		ug/l	0.50
1,2-Dichlorobenzene	ND		ug/l	2.5
1,3-Dichlorobenzene	ND		ug/l	2.5
1,4-Dichlorobenzene	ND		ug/l	2.5

Project Name: RAYTHEON-WAYLAND
Project Number: 0095922

Lab Number: L0902178
Report Date: 03/10/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 02/25/09 10:46
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
MCP Volatile Organics - Westborough Lab for sample(s): 16 Batch: WG353876-3				
Methyl tert butyl ether	ND		ug/l	1.0
p/m-Xylene	ND		ug/l	1.0
o-Xylene	ND		ug/l	1.0
cis-1,2-Dichloroethene	ND		ug/l	0.50
Dibromomethane	ND		ug/l	5.0
1,2,3-Trichloropropane	ND		ug/l	5.0
Styrene	ND		ug/l	1.0
Dichlorodifluoromethane	ND		ug/l	5.0
Acetone	ND		ug/l	5.0
Carbon disulfide	ND		ug/l	5.0
2-Butanone	ND		ug/l	5.0
4-Methyl-2-pentanone	ND		ug/l	5.0
2-Hexanone	ND		ug/l	5.0
Bromochloromethane	ND		ug/l	2.5
Tetrahydrofuran	ND		ug/l	10
2,2-Dichloropropane	ND		ug/l	2.5
1,2-Dibromoethane	ND		ug/l	2.0
1,3-Dichloropropane	ND		ug/l	2.5
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50
Bromobenzene	ND		ug/l	2.5
n-Butylbenzene	ND		ug/l	0.50
sec-Butylbenzene	ND		ug/l	0.50
tert-Butylbenzene	ND		ug/l	2.5
o-Chlorotoluene	ND		ug/l	2.5
p-Chlorotoluene	ND		ug/l	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5
Hexachlorobutadiene	ND		ug/l	0.60
Isopropylbenzene	ND		ug/l	0.50
p-Isopropyltoluene	ND		ug/l	0.50
Naphthalene	ND		ug/l	2.5
n-Propylbenzene	ND		ug/l	0.50

Project Name: RAYTHEON-WAYLAND
Project Number: 0095922

Lab Number: L0902178
Report Date: 03/10/09

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 02/25/09 10:46
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
MCP Volatile Organics - Westborough Lab for sample(s): 16 Batch: WG353876-3				
1,2,3-Trichlorobenzene	ND		ug/l	2.5
1,2,4-Trichlorobenzene	ND		ug/l	2.5
1,3,5-Trimethylbenzene	ND		ug/l	2.5
1,2,4-Trimethylbenzene	ND		ug/l	2.5
Ethyl ether	ND		ug/l	2.5
Isopropyl Ether	ND		ug/l	2.0
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0
1,4-Dioxane	ND		ug/l	250

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	108		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON-WAYLAND

Lab Number: L0902178

Project Number: 0095922

Report Date: 03/10/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 02-07,09-10,12-13 Batch: WG353738-1 WG353738-2					
Methylene chloride	76	82	70-130	8	25
1,1-Dichloroethane	96	100	70-130	4	25
Chloroform	84	90	70-130	7	25
Carbon tetrachloride	74	77	70-130	4	25
1,2-Dichloropropane	94	95	70-130	1	25
Dibromochloromethane	84	80	70-130	5	25
1,1,2-Trichloroethane	84	83	70-130	1	25
Tetrachloroethene	89	92	70-130	3	25
Chlorobenzene	90	92	70-130	2	25
1,2-Dichloroethane	92	91	70-130	1	25
1,1,1-Trichloroethane	89	92	70-130	3	25
Bromodichloromethane	88	88	70-130	0	25
trans-1,3-Dichloropropene	75	73	70-130	3	25
cis-1,3-Dichloropropene	80	78	70-130	3	25
Bromoform	88	86	70-130	2	50
1,1,2,2-Tetrachloroethane	88	85	70-130	3	25
Chloromethane	92	99	70-130	7	50
Vinyl chloride	82	90	70-130	9	25
Chloroethane	81	86	70-130	6	25
1,1-Dichloroethene	83	91	70-130	9	25
trans-1,2-Dichloroethene	100	103	70-130	3	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON-WAYLAND

Lab Number: L0902178

Project Number: 0095922

Report Date: 03/10/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 02-07,09-10,12-13 Batch: WG353738-1 WG353738-2					
Trichloroethene	90	91	70-130	1	25
1,2-Dichlorobenzene	91	91	70-130	0	25
1,3-Dichlorobenzene	93	94	70-130	1	25
1,4-Dichlorobenzene	92	94	70-130	2	25
cis-1,2-Dichloroethene	100	103	70-130	3	25
Dichlorodifluoromethane	60	65	70-130	8	50
1,2-Dibromoethane	84	82	70-130	2	25
1,3-Dichloropropane	82	79	70-130	4	25
1,1,1,2-Tetrachloroethane	90	90	70-130	0	25
o-Chlorotoluene	85	86	70-130	1	25
p-Chlorotoluene	87	88	70-130	1	25
Hexachlorobutadiene	87	94	70-130	8	25
1,2,4-Trichlorobenzene	86	85	70-130	1	25

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		98		70-130
Toluene-d8	95		96		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	113		117		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON-WAYLAND

Lab Number: L0902178

Project Number: 0095922

Report Date: 03/10/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 08,14 Batch: WG353745-1 WG353745-2					
Methylene chloride	107	102	70-130	5	25
1,1-Dichloroethane	112	107	70-130	5	25
Chloroform	107	105	70-130	2	25
Carbon tetrachloride	98	99	70-130	1	25
1,2-Dichloropropane	115	115	70-130	0	25
Dibromochloromethane	96	98	70-130	2	25
1,1,2-Trichloroethane	104	106	70-130	2	25
Tetrachloroethene	106	102	70-130	4	25
Chlorobenzene	110	105	70-130	5	25
Trichlorofluoromethane	109	107	70-130	2	25
1,2-Dichloroethane	103	106	70-130	3	25
1,1,1-Trichloroethane	103	100	70-130	3	25
Bromodichloromethane	106	106	70-130	0	25
trans-1,3-Dichloropropene	96	97	70-130	1	25
cis-1,3-Dichloropropene	102	101	70-130	1	25
1,1-Dichloropropene	100	99	70-130	1	25
Bromoform	87	92	70-130	6	50
1,1,2,2-Tetrachloroethane	100	104	70-130	4	25
Benzene	119	115	70-130	3	25
Toluene	106	102	70-130	4	25
Ethylbenzene	105	101	70-130	4	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON-WAYLAND

Lab Number: L0902178

Project Number: 0095922

Report Date: 03/10/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 08,14 Batch: WG353745-1 WG353745-2					
Chloromethane	100	95	70-130	5	50
Bromomethane	89	101	70-130	13	50
Vinyl chloride	99	97	70-130	2	25
Chloroethane	109	96	70-130	13	25
1,1-Dichloroethene	101	99	70-130	2	25
trans-1,2-Dichloroethene	115	112	70-130	3	25
Trichloroethene	112	109	70-130	3	25
1,2-Dichlorobenzene	103	102	70-130	1	25
1,3-Dichlorobenzene	105	103	70-130	2	25
1,4-Dichlorobenzene	107	104	70-130	3	25
Methyl tert butyl ether	108	111	70-130	3	25
p/m-Xylene	109	105	70-130	4	25
o-Xylene	108	104	70-130	4	25
cis-1,2-Dichloroethene	116	117	70-130	1	25
Dibromomethane	116	120	70-130	3	25
1,2,3-Trichloropropane	103	106	70-130	3	25
Styrene	110	107	70-130	3	25
Dichlorodifluoromethane	95	93	70-130	2	50
Acetone	100	129	70-130	25	50
Carbon disulfide	86	85	70-130	1	50
2-Butanone	86	97	70-130	12	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON-WAYLAND

Lab Number: L0902178

Project Number: 0095922

Report Date: 03/10/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 08,14 Batch: WG353745-1 WG353745-2					
4-Methyl-2-pentanone	88	92	70-130	4	50
2-Hexanone	62	69	70-130	11	50
Bromochloromethane	126	128	70-130	2	25
Tetrahydrofuran	99	110	70-130	11	25
2,2-Dichloropropane	102	99	70-130	3	50
1,2-Dibromoethane	104	107	70-130	3	25
1,3-Dichloropropane	101	102	70-130	1	25
1,1,1,2-Tetrachloroethane	105	104	70-130	1	25
Bromobenzene	107	105	70-130	2	25
n-Butylbenzene	87	84	70-130	4	25
sec-Butylbenzene	89	87	70-130	2	25
tert-Butylbenzene	91	88	70-130	3	25
o-Chlorotoluene	98	93	70-130	5	25
p-Chlorotoluene	101	95	70-130	6	25
1,2-Dibromo-3-chloropropane	76	80	70-130	5	50
Hexachlorobutadiene	81	83	70-130	2	25
Isopropylbenzene	101	97	70-130	4	25
p-Isopropyltoluene	94	91	70-130	3	25
Naphthalene	78	83	70-130	6	25
n-Propylbenzene	96	91	70-130	5	25
1,2,3-Trichlorobenzene	86	93	70-130	8	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON-WAYLAND

Lab Number: L0902178

Project Number: 0095922

Report Date: 03/10/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 08,14 Batch: WG353745-1 WG353745-2					
1,2,4-Trichlorobenzene	85	91	70-130	7	25
1,3,5-Trimethylbenzene	96	92	70-130	4	25
1,2,4-Trimethylbenzene	98	93	70-130	5	25
Ethyl ether	105	106	70-130	1	25
Isopropyl Ether	99	96	70-130	3	25
Ethyl-Tert-Butyl-Ether	104	102	70-130	2	25
Tertiary-Amyl Methyl Ether	102	105	70-130	3	25
1,4-Dioxane	80	129	70-130	47	50

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		92		70-130
Toluene-d8	94		94		70-130
4-Bromofluorobenzene	92		92		70-130
Dibromofluoromethane	107		109		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON-WAYLAND

Lab Number: L0902178

Project Number: 0095922

Report Date: 03/10/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 11,15 Batch: WG353844-1 WG353844-2					
Methylene chloride	96	102	70-130	6	25
1,1-Dichloroethane	109	113	70-130	4	25
Chloroform	106	111	70-130	5	25
Carbon tetrachloride	88	103	70-130	16	25
1,2-Dichloropropane	112	119	70-130	6	25
Dibromochloromethane	94	101	70-130	7	25
1,1,2-Trichloroethane	96	102	70-130	6	25
Tetrachloroethene	100	102	70-130	2	25
Chlorobenzene	103	107	70-130	4	25
Trichlorofluoromethane	106	107	70-130	1	25
1,2-Dichloroethane	106	110	70-130	4	25
1,1,1-Trichloroethane	103	106	70-130	3	25
Bromodichloromethane	109	113	70-130	4	25
trans-1,3-Dichloropropene	86	88	70-130	2	25
cis-1,3-Dichloropropene	96	103	70-130	7	25
1,1-Dichloropropene	98	100	70-130	2	25
Bromoform	96	101	70-130	5	50
1,1,2,2-Tetrachloroethane	97	102	70-130	5	25
Benzene	112	116	70-130	4	25
Toluene	100	103	70-130	3	25
Ethylbenzene	101	103	70-130	2	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON-WAYLAND

Lab Number: L0902178

Project Number: 0095922

Report Date: 03/10/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 11,15 Batch: WG353844-1 WG353844-2					
Chloromethane	108	109	70-130	1	50
Bromomethane	81	84	70-130	4	50
Vinyl chloride	96	98	70-130	2	25
Chloroethane	88	89	70-130	1	25
1,1-Dichloroethene	96	99	70-130	3	25
trans-1,2-Dichloroethene	114	120	70-130	5	25
Trichloroethene	108	111	70-130	3	25
1,2-Dichlorobenzene	99	103	70-130	4	25
1,3-Dichlorobenzene	102	105	70-130	3	25
1,4-Dichlorobenzene	102	105	70-130	3	25
Methyl tert butyl ether	105	113	70-130	7	25
p/m-Xylene	104	108	70-130	4	25
o-Xylene	100	105	70-130	5	25
cis-1,2-Dichloroethene	121	122	70-130	1	25
Dibromomethane	119	123	70-130	3	25
1,2,3-Trichloropropane	100	106	70-130	6	25
Styrene	106	109	70-130	3	25
Dichlorodifluoromethane	77	78	70-130	1	50
Acetone	90	102	70-130	13	50
Carbon disulfide	82	83	70-130	1	50
2-Butanone	97	103	70-130	6	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON-WAYLAND

Lab Number: L0902178

Project Number: 0095922

Report Date: 03/10/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 11,15 Batch: WG353844-1 WG353844-2					
4-Methyl-2-pentanone	85	99	70-130	15	50
2-Hexanone	60	68	70-130	13	50
Bromochloromethane	128	134	70-130	5	25
Tetrahydrofuran	113	119	70-130	5	25
2,2-Dichloropropane	103	105	70-130	2	50
1,2-Dibromoethane	96	103	70-130	7	25
1,3-Dichloropropane	95	99	70-130	4	25
1,1,1,2-Tetrachloroethane	101	104	70-130	3	25
Bromobenzene	106	112	70-130	6	25
n-Butylbenzene	88	90	70-130	2	25
sec-Butylbenzene	90	92	70-130	2	25
tert-Butylbenzene	90	93	70-130	3	25
o-Chlorotoluene	95	97	70-130	2	25
p-Chlorotoluene	96	100	70-130	4	25
1,2-Dibromo-3-chloropropane	74	81	70-130	9	50
Hexachlorobutadiene	95	96	70-130	1	25
Isopropylbenzene	97	100	70-130	3	25
p-Isopropyltoluene	94	97	70-130	3	25
Naphthalene	80	88	70-130	10	25
n-Propylbenzene	93	95	70-130	2	25
1,2,3-Trichlorobenzene	92	99	70-130	7	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON-WAYLAND

Lab Number: L0902178

Project Number: 0095922

Report Date: 03/10/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 11,15 Batch: WG353844-1 WG353844-2					
1,2,4-Trichlorobenzene	90	96	70-130	6	25
1,3,5-Trimethylbenzene	93	96	70-130	3	25
1,2,4-Trimethylbenzene	94	96	70-130	2	25
Ethyl ether	108	114	70-130	5	25
Isopropyl Ether	90	95	70-130	5	25
Ethyl-Tert-Butyl-Ether	92	98	70-130	6	25
Tertiary-Amyl Methyl Ether	95	103	70-130	8	25
1,4-Dioxane	137	169	70-130	21	50

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		93		70-130
Toluene-d8	93		93		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	113		111		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON-WAYLAND

Lab Number: L0902178

Project Number: 0095922

Report Date: 03/10/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 16 Batch: WG353876-1 WG353876-2					
Methylene chloride	88	102	70-130	15	25
1,1-Dichloroethane	100	102	70-130	2	25
Chloroform	93	98	70-130	5	25
Carbon tetrachloride	89	79	70-130	12	25
1,2-Dichloropropane	108	109	70-130	1	25
Dibromochloromethane	86	91	70-130	6	25
1,1,2-Trichloroethane	95	98	70-130	3	25
Tetrachloroethene	98	100	70-130	2	25
Chlorobenzene	100	101	70-130	1	25
Trichlorofluoromethane	93	94	70-130	1	25
1,2-Dichloroethane	97	99	70-130	2	25
1,1,1-Trichloroethane	91	96	70-130	5	25
Bromodichloromethane	96	99	70-130	3	25
trans-1,3-Dichloropropene	86	90	70-130	5	25
cis-1,3-Dichloropropene	92	95	70-130	3	25
1,1-Dichloropropene	92	95	70-130	3	25
Bromoform	79	81	70-130	3	50
1,1,2,2-Tetrachloroethane	91	89	70-130	2	25
Benzene	106	110	70-130	4	25
Toluene	96	98	70-130	2	25
Ethylbenzene	95	97	70-130	2	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON-WAYLAND

Lab Number: L0902178

Project Number: 0095922

Report Date: 03/10/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 16 Batch: WG353876-1 WG353876-2					
Chloromethane	86	85	70-130	1	50
Bromomethane	98	107	70-130	9	50
Vinyl chloride	88	85	70-130	3	25
Chloroethane	88	88	70-130	0	25
1,1-Dichloroethene	90	91	70-130	1	25
trans-1,2-Dichloroethene	101	109	70-130	8	25
Trichloroethene	101	106	70-130	5	25
1,2-Dichlorobenzene	95	96	70-130	1	25
1,3-Dichlorobenzene	96	97	70-130	1	25
1,4-Dichlorobenzene	96	97	70-130	1	25
Methyl tert butyl ether	111	112	70-130	1	25
p/m-Xylene	100	101	70-130	1	25
o-Xylene	101	103	70-130	2	25
cis-1,2-Dichloroethene	107	113	70-130	5	25
Dibromomethane	108	115	70-130	6	25
1,2,3-Trichloropropane	93	94	70-130	1	25
Styrene	101	102	70-130	1	25
Dichlorodifluoromethane	78	78	70-130	0	50
Acetone	76	114	70-130	40	50
Carbon disulfide	75	72	70-130	4	50
2-Butanone	81	88	70-130	8	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON-WAYLAND

Lab Number: L0902178

Project Number: 0095922

Report Date: 03/10/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 16 Batch: WG353876-1 WG353876-2					
4-Methyl-2-pentanone	83	86	70-130	4	50
2-Hexanone	59	62	70-130	5	50
Bromochloromethane	118	123	70-130	4	25
Tetrahydrofuran	106	108	70-130	2	25
2,2-Dichloropropane	91	94	70-130	3	50
1,2-Dibromoethane	97	98	70-130	1	25
1,3-Dichloropropane	92	95	70-130	3	25
1,1,1,2-Tetrachloroethane	96	98	70-130	2	25
Bromobenzene	98	98	70-130	0	25
n-Butylbenzene	80	82	70-130	2	25
sec-Butylbenzene	84	86	70-130	2	25
tert-Butylbenzene	84	86	70-130	2	25
o-Chlorotoluene	88	88	70-130	0	25
p-Chlorotoluene	90	90	70-130	0	25
1,2-Dibromo-3-chloropropane	66	70	70-130	6	50
Hexachlorobutadiene	75	83	70-130	10	25
Isopropylbenzene	93	95	70-130	2	25
p-Isopropyltoluene	86	89	70-130	3	25
Naphthalene	74	74	70-130	0	25
n-Propylbenzene	88	89	70-130	1	25
1,2,3-Trichlorobenzene	80	86	70-130	7	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON-WAYLAND

Lab Number: L0902178

Project Number: 0095922

Report Date: 03/10/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 16 Batch: WG353876-1 WG353876-2					
1,2,4-Trichlorobenzene	80	85	70-130	6	25
1,3,5-Trimethylbenzene	88	88	70-130	0	25
1,2,4-Trimethylbenzene	90	89	70-130	1	25
Ethyl ether	104	103	70-130	1	25
Isopropyl Ether	94	97	70-130	3	25
Ethyl-Tert-Butyl-Ether	104	103	70-130	1	25
Tertiary-Amyl Methyl Ether	103	104	70-130	1	25
1,4-Dioxane	104	129	70-130	21	50

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		88		70-130
Toluene-d8	93		93		70-130
4-Bromofluorobenzene	94		93		70-130
Dibromofluoromethane	105		108		70-130

Matrix Spike Analysis Batch Quality Control

Project Name: RAYTHEON-WAYLAND

Lab Number: L0902178

Project Number: 0095922

Report Date: 03/10/09

Parameter	Native Sample	MS Added	MS Found	MS		MSD		Recovery Limits	RPD	RPD Limits
				%Recovery	MSD Found	%Recovery				
MCP Volatile Organics - Westborough Lab Associated sample(s): 02-07,09-10,12-13 QC Batch ID: WG353738-4 WG353738-5 QC Sample: L0902178-07 Client ID: MW-261S-20090219-01										
Methylene chloride	ND	1000	940	94	980	98		70-130	4	30
1,1-Dichloroethane	ND	1000	1000	105	1100	111		70-130	6	30
Chloroform	ND	1000	1000	105	1100	110		70-130	5	30
Carbon tetrachloride	ND	1000	960	96	1000	100		70-130	4	30
1,2-Dichloropropane	ND	1000	1100	113	1200	121		70-130	7	30
Dibromochloromethane	ND	1000	930	93	990	99		70-130	6	30
1,1,2-Trichloroethane	ND	1000	1000	101	1000	106		70-130	5	30
Tetrachloroethene	ND	1000	1000	101	1000	104		70-130	3	30
Chlorobenzene	ND	1000	1000	102	1100	107		70-130	5	30
1,2-Dichloroethane	ND	1000	1000	104	1100	110		70-130	6	30
1,1,1-Trichloroethane	ND	1000	990	99	1000	103		70-130	4	30
Bromodichloromethane	ND	1000	1000	106	1100	112		70-130	6	30
trans-1,3-Dichloropropene	ND	1000	900	90	930	93		70-130	3	30
cis-1,3-Dichloropropene	ND	1000	980	98	1000	104		70-130	6	30
Bromoform	ND	1000	820	82	880	88		70-130	7	30
1,1,2,2-Tetrachloroethane	ND	1000	940	95	980	98		70-130	3	30
Chloromethane	ND	1000	860	86	940	94		70-130	9	30
Vinyl chloride	ND	1000	880	89	910	91		70-130	2	30
Chloroethane	ND	1000	930	93	960	96		70-130	3	30
1,1-Dichloroethene	ND	1000	960	96	970	97		70-130	1	30
trans-1,2-Dichloroethene	ND	1000	1100	111	1200	116		70-130	4	30

Matrix Spike Analysis
Batch Quality Control

Project Name: RAYTHEON-WAYLAND
Project Number: 0095922

Lab Number: L0902178
Report Date: 03/10/09

Parameter	Native Sample	MS Added	MS Found	MS		MSD		Recovery Limits	RPD	RPD Limits
				%Recovery	MSD Found	%Recovery				

MCP Volatile Organics - Westborough Lab Associated sample(s): 02-07,09-10,12-13 QC Batch ID: WG353738-4 WG353738-5 QC Sample: L0902178-07
Client ID: MW-261S-20090219-01

Trichloroethene	1500	1000	2700	125	2800	129	70-130	3	30
1,2-Dichlorobenzene	ND	1000	960	96	1000	101	70-130	5	30
1,3-Dichlorobenzene	ND	1000	970	97	1000	103	70-130	6	30
1,4-Dichlorobenzene	ND	1000	970	97	1000	103	70-130	6	30
cis-1,2-Dichloroethene	ND	1000	1200	120	1200	125	70-130	4	30
Dichlorodifluoromethane	ND	1000	790	79	770	77	70-130	3	30
1,2-Dibromoethane	ND	1000	1000	100	1100	107	70-130	7	30
1,3-Dichloropropane	ND	1000	970	97	1000	102	70-130	5	30
1,1,1,2-Tetrachloroethane	ND	1000	1000	100	1100	107	70-130	7	30
o-Chlorotoluene	ND	1000	870	87	920	93	70-130	7	30
p-Chlorotoluene	ND	1000	890	89	940	94	70-130	5	30
Hexachlorobutadiene	ND	1000	730	73	800	80	70-130	9	30
1,2,4-Trichlorobenzene	ND	1000	770	77	860	86	70-130	11	30

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
1,2-Dichloroethane-d4	91		94		70-130
4-Bromofluorobenzene	93		91		70-130
Dibromofluoromethane	111		113		70-130
Toluene-d8	93		92		70-130

METALS

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-02

Date Collected: 02/18/09 11:20

Client ID: MW-553-20090218-01

Date Received: 02/20/09

Sample Location: WAYLAND, MA

Field Prep: Field Filtered

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab										
Iron, Dissolved	ND		mg/l	0.05	1	02/21/09 13:30	02/23/09 14:41	EPA 3005A	60,6010B	AI
Manganese, Dissolved	ND		mg/l	0.010	1	02/21/09 13:30	02/23/09 14:41	EPA 3005A	60,6010B	AI

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-03

Date Collected: 02/18/09 13:30

Client ID: MW-552-20090218-01

Date Received: 02/20/09

Sample Location: WAYLAND, MA

Field Prep: Field Filtered

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab										
Iron, Dissolved	0.08		mg/l	0.05	1	02/21/09 13:30	02/23/09 14:44	EPA 3005A	60,6010B	AI
Manganese, Dissolved	0.163		mg/l	0.010	1	02/21/09 13:30	02/23/09 14:44	EPA 3005A	60,6010B	AI

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-04

Date Collected: 02/18/09 14:50

Client ID: MW-265M-20090218-01

Date Received: 02/20/09

Sample Location: WAYLAND, MA

Field Prep: Field Filtered

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab										
Iron, Dissolved	0.41		mg/l	0.05	1	02/21/09 13:30	02/23/09 14:48	EPA 3005A	60,6010B	AI
Manganese, Dissolved	0.263		mg/l	0.010	1	02/21/09 13:30	02/23/09 14:48	EPA 3005A	60,6010B	AI

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-05

Date Collected: 02/18/09 14:45

Client ID: MW-267M-20090218-01

Date Received: 02/20/09

Sample Location: WAYLAND, MA

Field Prep: Field Filtered

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab										
Iron, Dissolved	23		mg/l	0.05	1	02/21/09 13:30	02/23/09 14:51	EPA 3005A	60,6010B	AI
Manganese, Dissolved	0.560		mg/l	0.010	1	02/21/09 13:30	02/23/09 14:51	EPA 3005A	60,6010B	AI

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-06

Date Collected: 02/19/09 09:00

Client ID: MW-560-20090219-01

Date Received: 02/20/09

Sample Location: WAYLAND, MA

Field Prep: Field Filtered

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab										
Iron, Dissolved	ND		mg/l	0.05	1	02/21/09 13:30	02/23/09 15:18	EPA 3005A	60,6010B	AI
Manganese, Dissolved	ND		mg/l	0.010	1	02/21/09 13:30	02/23/09 15:18	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-07

Date Collected: 02/19/09 07:50

Client ID: MW-261S-20090219-01

Date Received: 02/20/09

Sample Location: WAYLAND, MA

Field Prep: Field Filtered

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab										
Iron, Dissolved	4.3		mg/l	0.05	1	02/21/09 13:30	02/23/09 15:22	EPA 3005A	60,6010B	AI
Manganese, Dissolved	0.193		mg/l	0.010	1	02/21/09 13:30	02/23/09 15:22	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-08

Date Collected: 02/19/09 11:11

Client ID: DUP-001-20090219-01

Date Received: 02/20/09

Sample Location: WAYLAND, MA

Field Prep: Field Filtered

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab										
Iron, Dissolved	ND		mg/l	0.05	1	02/21/09 13:30	02/23/09 15:25	EPA 3005A	60,6010B	AI
Manganese, Dissolved	ND		mg/l	0.010	1	02/21/09 13:30	02/23/09 15:25	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-10

Date Collected: 02/19/09 09:15

Client ID: MW-266MB-20090219-01

Date Received: 02/20/09

Sample Location: WAYLAND, MA

Field Prep: Field Filtered

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab										
Iron, Dissolved	24		mg/l	0.05	1	02/21/09 13:30	02/23/09 15:28	EPA 3005A	60,6010B	AI
Manganese, Dissolved	0.151		mg/l	0.010	1	02/21/09 13:30	02/23/09 15:28	EPA 3005A	60,6010B	AI

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-11

Date Collected: 02/19/09 10:50

Client ID: IW-5-20090219-01

Date Received: 02/20/09

Sample Location: WAYLAND, MA

Field Prep: Field Filtered

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab										
Iron, Dissolved	ND		mg/l	0.05	1	02/21/09 13:30	02/23/09 15:32	EPA 3005A	60,6010B	AI
Manganese, Dissolved	ND		mg/l	0.010	1	02/21/09 13:30	02/23/09 15:32	EPA 3005A	60,6010B	AI

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-12

Date Collected: 02/19/09 10:50

Client ID: MW-266MA-20090219-01

Date Received: 02/20/09

Sample Location: WAYLAND, MA

Field Prep: Field Filtered

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab										
Iron, Dissolved	16		mg/l	0.05	1	02/21/09 13:30	02/23/09 15:35		60,6010B	AI
Manganese, Dissolved	1.16		mg/l	0.010	1	02/21/09 13:30	02/23/09 15:35		60,6010B	AI



Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-13

Date Collected: 02/19/09 13:20

Client ID: MW-267S-20090219-01

Date Received: 02/20/09

Sample Location: WAYLAND, MA

Field Prep: Field Filtered

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab										
Iron, Dissolved	16		mg/l	0.05	1	02/21/09 13:30	02/23/09 15:38	EPA 3005A	60,6010B	AI
Manganese, Dissolved	1.43		mg/l	0.010	1	02/21/09 13:30	02/23/09 15:38	EPA 3005A	60,6010B	AI

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-14

Date Collected: 02/19/09 12:30

Client ID: MW-268M-20090219-01

Date Received: 02/20/09

Sample Location: WAYLAND, MA

Field Prep: Field Filtered

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab										
Iron, Dissolved	20		mg/l	0.05	1	02/21/09 13:30	02/23/09 15:42	EPA 3005A	60,6010B	AI
Manganese, Dissolved	0.420		mg/l	0.010	1	02/21/09 13:30	02/23/09 15:42	EPA 3005A	60,6010B	AI

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-15

Date Collected: 02/19/09 13:13

Client ID: DUP-002-20090219-01

Date Received: 02/20/09

Sample Location: WAYLAND, MA

Field Prep: Field Filtered

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab										
Iron, Dissolved	17		mg/l	0.05	1	02/21/09 13:30	02/23/09 15:45	EPA 3005A	60,6010B	AI
Manganese, Dissolved	1.43		mg/l	0.010	1	02/21/09 13:30	02/23/09 15:45	EPA 3005A	60,6010B	AI

Project Name: RAYTHEON-WAYLAND**Lab Number:** L0902178**Project Number:** 0095922**Report Date:** 03/10/09**SAMPLE RESULTS**

Lab ID: L0902178-16

Date Collected: 02/19/09 14:00

Client ID: MW-268D-20090219-01

Date Received: 02/20/09

Sample Location: WAYLAND, MA

Field Prep: Field Filtered

Matrix: Water

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab										
Iron, Dissolved	ND		mg/l	0.05	1	02/21/09 13:30	02/23/09 15:48	EPA 3005A	60,6010B	AI
Manganese, Dissolved	0.187		mg/l	0.010	1	02/21/09 13:30	02/23/09 15:48	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON-WAYLAND

Lab Number: L0902178

Project Number: 0095922

Report Date: 03/10/09

Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab for sample(s): 02-08,10-16 Batch: WG353579-1								
Iron, Dissolved	ND	mg/l	0.05	1	02/21/09 13:30	02/23/09 14:22	60,6010B	AI
Manganese, Dissolved	ND	mg/l	0.010	1	02/21/09 13:30	02/23/09 14:22	60,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON-WAYLAND

Lab Number: L0902178

Project Number: 0095922

Report Date: 03/10/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Dissolved Metals - Westborough Lab Associated sample(s): 02-08,10-16 Batch: WG353579-2 WG353579-3					
Iron, Dissolved	100	100	80-120	0	20
Manganese, Dissolved	98	98	80-120	0	20

INORGANICS & MISCELLANEOUS

Project Name: RAYTHEON-WAYLAND
Project Number: 0095922

Lab Number: L0902178
Report Date: 03/10/09

SAMPLE RESULTS

Lab ID: L0902178-02
Client ID: MW-553-20090218-01
Sample Location: WAYLAND, MA
Matrix: Water

Date Collected: 02/18/09 11:20
Date Received: 02/20/09
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Alkalinity, Total	99		mg CaCO3/L	2.0	1	-	02/23/09 11:18	30,2320B	SD
Chloride	2.6		mg/l	1.0	1	-	02/24/09 18:50	1,9251	DD
Nitrogen, Nitrate	ND		mg/l	0.10	1	-	02/20/09 22:45	30,4500NO3-F	DD
Phosphorus, Total	0.071		mg/l	0.010	1	-	02/25/09 14:10	30,4500P-E	ST
Sulfate	24		mg/l	10	1	02/24/09 10:05	02/24/09 10:05	1,9038	SD
Total Organic Carbon	0.93		mg/l	0.50	1	-	02/26/09 16:19	1,9060	DW



Project Name: RAYTHEON-WAYLAND
Project Number: 0095922

Lab Number: L0902178
Report Date: 03/10/09

SAMPLE RESULTS

Lab ID: L0902178-03
Client ID: MW-552-20090218-01
Sample Location: WAYLAND, MA
Matrix: Water

Date Collected: 02/18/09 13:30
Date Received: 02/20/09
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Alkalinity, Total	69		mg CaCO ₃ /L	2.0	1	-	02/23/09 11:18	30,2320B	SD
Chloride	6.6		mg/l	1.0	1	-	02/24/09 18:50	1,9251	DD
Nitrogen, Nitrate	ND		mg/l	0.10	1	-	02/20/09 22:46	30,4500NO ₃ -F	DD
Phosphorus, Total	0.026		mg/l	0.010	1	-	02/25/09 14:11	30,4500P-E	ST
Sulfate	34		mg/l	10	1	02/24/09 10:05	02/24/09 10:05	1,9038	SD
Total Organic Carbon	1.4		mg/l	0.50	1	-	02/26/09 16:19	1,9060	DW



Project Name: RAYTHEON-WAYLAND
Project Number: 0095922

Lab Number: L0902178
Report Date: 03/10/09

SAMPLE RESULTS

Lab ID: L0902178-04
Client ID: MW-265M-20090218-01
Sample Location: WAYLAND, MA
Matrix: Water

Date Collected: 02/18/09 14:50
Date Received: 02/20/09
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Alkalinity, Total	76		mg CaCO3/L	2.0	1	-	02/23/09 11:18	30,2320B	SD
Chloride	9.3		mg/l	1.0	1	-	02/24/09 18:51	1,9251	DD
Nitrogen, Nitrate	0.11		mg/l	0.10	1	-	02/20/09 23:24	30,4500NO3-F	DD
Phosphorus, Total	0.017		mg/l	0.010	1	-	02/25/09 14:11	30,4500P-E	ST
Sulfate	33		mg/l	10	1	02/24/09 10:05	02/24/09 10:05	1,9038	SD
Total Organic Carbon	2.1		mg/l	0.50	1	-	02/26/09 16:19	1,9060	DW



Project Name: RAYTHEON-WAYLAND
Project Number: 0095922

Lab Number: L0902178
Report Date: 03/10/09

SAMPLE RESULTS

Lab ID: L0902178-05
Client ID: MW-267M-20090218-01
Sample Location: WAYLAND, MA
Matrix: Water

Date Collected: 02/18/09 14:45
Date Received: 02/20/09
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Alkalinity, Total	73		mg CaCO3/L	2.0	1	-	02/23/09 11:18	30,2320B	SD
Chloride	17		mg/l	1.0	1	-	02/24/09 18:52	1,9251	DD
Nitrogen, Nitrate	ND		mg/l	0.50	5	-	02/20/09 23:27	30,4500NO3-F	DD
Phosphorus, Total	0.437		mg/l	0.010	1	-	02/25/09 14:30	30,4500P-E	ST
Sulfate	62		mg/l	20	2	02/24/09 10:05	02/24/09 10:05	1,9038	SD
Total Organic Carbon	1.2		mg/l	0.50	1	-	02/26/09 16:19	1,9060	DW



Project Name: RAYTHEON-WAYLAND
Project Number: 0095922

Lab Number: L0902178
Report Date: 03/10/09

SAMPLE RESULTS

Lab ID: L0902178-06
Client ID: MW-560-20090219-01
Sample Location: WAYLAND, MA
Matrix: Water

Date Collected: 02/19/09 09:00
Date Received: 02/20/09
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Alkalinity, Total	280		mg CaCO3/L	2.0	1	-	02/23/09 11:18	30,2320B	SD
Chloride	22		mg/l	1.0	1	-	02/24/09 18:52	1,9251	DD
Nitrogen, Nitrate	2.5		mg/l	0.10	1	-	02/20/09 22:52	30,4500NO3-F	DD
Phosphorus, Total	ND		mg/l	0.010	1	-	02/25/09 14:12	30,4500P-E	ST
Sulfate	16		mg/l	10	1	02/24/09 10:05	02/24/09 10:05	1,9038	SD
Total Organic Carbon	23		mg/l	2.5	5	-	02/26/09 16:19	1,9060	DW



Project Name: RAYTHEON-WAYLAND
Project Number: 0095922

Lab Number: L0902178
Report Date: 03/10/09

SAMPLE RESULTS

Lab ID: L0902178-07
Client ID: MW-261S-20090219-01
Sample Location: WAYLAND, MA
Matrix: Water

Date Collected: 02/19/09 07:50
Date Received: 02/20/09
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Alkalinity, Total	40		mg CaCO3/L	2.0	1	-	02/23/09 11:18	30,2320B	SD
Chloride	4.6		mg/l	1.0	1	-	02/24/09 18:53	1,9251	DD
Nitrogen, Nitrate	ND		mg/l	0.10	1	-	02/20/09 22:52	30,4500NO3-F	DD
Phosphorus, Total	0.050		mg/l	0.010	1	-	02/25/09 14:12	30,4500P-E	ST
Sulfate	34		mg/l	10	1	02/24/09 10:05	02/24/09 10:05	1,9038	SD
Total Organic Carbon	0.84		mg/l	0.50	1	-	02/26/09 16:19	1,9060	DW



Project Name: RAYTHEON-WAYLAND
Project Number: 0095922

Lab Number: L0902178
Report Date: 03/10/09

SAMPLE RESULTS

Lab ID: L0902178-08
Client ID: DUP-001-20090219-01
Sample Location: WAYLAND, MA
Matrix: Water

Date Collected: 02/19/09 11:11
Date Received: 02/20/09
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Alkalinity, Total	270		mg CaCO3/L	2.0	1	-	02/23/09 11:18	30,2320B	SD
Chloride	24		mg/l	1.0	1	-	02/24/09 18:53	1,9251	DD
Nitrogen, Nitrate	2.3		mg/l	0.10	1	-	02/20/09 22:53	30,4500NO3-F	DD
Phosphorus, Total	ND		mg/l	0.010	1	-	02/25/09 14:17	30,4500P-E	ST
Sulfate	15		mg/l	10	1	02/24/09 10:05	02/24/09 10:05	1,9038	SD
Total Organic Carbon	25		mg/l	2.5	5	-	02/26/09 16:19	1,9060	DW



Project Name: RAYTHEON-WAYLAND
Project Number: 0095922

Lab Number: L0902178
Report Date: 03/10/09

SAMPLE RESULTS

Lab ID: L0902178-10
Client ID: MW-266MB-20090219-01
Sample Location: WAYLAND, MA
Matrix: Water

Date Collected: 02/19/09 09:15
Date Received: 02/20/09
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Alkalinity, Total	90		mg CaCO3/L	2.0	1	-	02/23/09 11:18	30,2320B	SD
Chloride	8.3		mg/l	1.0	1	-	02/24/09 18:56	1,9251	DD
Nitrogen, Nitrate	ND		mg/l	0.50	5	-	02/20/09 23:29	30,4500NO3-F	DD
Phosphorus, Total	0.054		mg/l	0.010	1	-	02/25/09 14:17	30,4500P-E	ST
Sulfate	31		mg/l	10	1	02/24/09 10:05	02/24/09 10:05	1,9038	SD
Total Organic Carbon	1.0		mg/l	0.50	1	-	02/26/09 16:19	1,9060	DW



Project Name: RAYTHEON-WAYLAND
Project Number: 0095922

Lab Number: L0902178
Report Date: 03/10/09

SAMPLE RESULTS

Lab ID: L0902178-11
Client ID: IW-5-20090219-01
Sample Location: WAYLAND, MA
Matrix: Water

Date Collected: 02/19/09 10:50
Date Received: 02/20/09
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Alkalinity, Total	240		mg CaCO3/L	2.0	1	-	02/23/09 11:18	30,2320B	SD
Chloride	49		mg/l	1.0	1	-	02/24/09 18:57	1,9251	DD
Nitrogen, Nitrate	0.18		mg/l	0.10	1	-	02/20/09 22:54	30,4500NO3-F	DD
Phosphorus, Total	ND		mg/l	0.010	1	-	02/25/09 14:21	30,4500P-E	ST
Sulfate	28		mg/l	10	1	02/24/09 10:05	02/24/09 10:05	1,9038	SD
Total Organic Carbon	250		mg/l	100	200	-	02/27/09 10:48	1,9060	DW



Project Name: RAYTHEON-WAYLAND
Project Number: 0095922

Lab Number: L0902178
Report Date: 03/10/09

SAMPLE RESULTS

Lab ID: L0902178-12
Client ID: MW-266MA-20090219-01
Sample Location: WAYLAND, MA
Matrix: Water

Date Collected: 02/19/09 10:50
Date Received: 02/20/09
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Alkalinity, Total	31		mg CaCO3/L	2.0	1	-	02/23/09 11:18	30,2320B	SD
Chloride	100		mg/l	5.0	5	-	02/24/09 19:50	1,9251	DD
Nitrogen, Nitrate	ND		mg/l	0.50	5	-	02/20/09 23:30	30,4500NO3-F	DD
Phosphorus, Total	0.085		mg/l	0.010	1	-	02/25/09 14:31	30,4500P-E	ST
Sulfate	30		mg/l	10	1	02/24/09 10:05	02/24/09 10:05	1,9038	SD
Total Organic Carbon	0.58		mg/l	0.50	1	-	02/26/09 16:19	1,9060	DW



Project Name: RAYTHEON-WAYLAND
Project Number: 0095922

Lab Number: L0902178
Report Date: 03/10/09

SAMPLE RESULTS

Lab ID: L0902178-13
Client ID: MW-267S-20090219-01
Sample Location: WAYLAND, MA
Matrix: Water

Date Collected: 02/19/09 13:20
Date Received: 02/20/09
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Alkalinity, Total	51		mg CaCO3/L	2.0	1	-	02/23/09 11:18	30,2320B	SD
Chloride	57		mg/l	1.0	1	-	02/24/09 19:51	1,9251	DD
Nitrogen, Nitrate	ND		mg/l	0.50	5	-	02/20/09 23:32	30,4500NO3-F	DD
Phosphorus, Total	0.399		mg/l	0.025	2.5	-	02/25/09 14:22	30,4500P-E	ST
Sulfate	66		mg/l	20	2	02/24/09 10:05	02/24/09 10:05	1,9038	SD
Total Organic Carbon	0.82		mg/l	0.50	1	-	02/26/09 16:19	1,9060	DW



Project Name: RAYTHEON-WAYLAND
Project Number: 0095922

Lab Number: L0902178
Report Date: 03/10/09

SAMPLE RESULTS

Lab ID: L0902178-14
Client ID: MW-268M-20090219-01
Sample Location: WAYLAND, MA
Matrix: Water

Date Collected: 02/19/09 12:30
Date Received: 02/20/09
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Alkalinity, Total	80		mg CaCO3/L	2.0	1	-	02/23/09 11:18	30,2320B	SD
Chloride	20		mg/l	1.0	1	-	02/24/09 18:58	1,9251	DD
Nitrogen, Nitrate	ND		mg/l	0.50	5	-	02/20/09 23:34	30,4500NO3-F	DD
Phosphorus, Total	0.182		mg/l	0.010	1	-	02/25/09 14:23	30,4500P-E	ST
Sulfate	59		mg/l	20	2	02/24/09 10:05	02/24/09 10:05	1,9038	SD
Total Organic Carbon	1.8		mg/l	0.50	1	-	02/26/09 16:19	1,9060	DW



Project Name: RAYTHEON-WAYLAND
Project Number: 0095922

Lab Number: L0902178
Report Date: 03/10/09

SAMPLE RESULTS

Lab ID: L0902178-15
Client ID: DUP-002-20090219-01
Sample Location: WAYLAND, MA
Matrix: Water

Date Collected: 02/19/09 13:13
Date Received: 02/20/09
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Alkalinity, Total	52		mg CaCO3/L	2.0	1	-	02/23/09 11:18	30,2320B	SD
Chloride	59		mg/l	1.0	1	-	02/24/09 18:59	1,9251	DD
Nitrogen, Nitrate	ND		mg/l	0.50	5	-	02/20/09 23:37	30,4500NO3-F	DD
Phosphorus, Total	0.392		mg/l	0.025	2.5	-	02/25/09 14:24	30,4500P-E	ST
Sulfate	65		mg/l	20	2	02/24/09 10:05	02/24/09 10:05	1,9038	SD
Total Organic Carbon	0.83		mg/l	0.50	1	-	02/26/09 16:19	1,9060	DW



Project Name: RAYTHEON-WAYLAND
Project Number: 0095922

Lab Number: L0902178
Report Date: 03/10/09

SAMPLE RESULTS

Lab ID: L0902178-16
Client ID: MW-268D-20090219-01
Sample Location: WAYLAND, MA
Matrix: Water

Date Collected: 02/19/09 14:00
Date Received: 02/20/09
Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Alkalinity, Total	59		mg CaCO3/L	2.0	1	-	02/23/09 11:18	30,2320B	SD
Chloride	39		mg/l	1.0	1	-	02/24/09 18:59	1,9251	DD
Nitrogen, Nitrate	ND		mg/l	0.10	1	-	02/20/09 23:01	30,4500NO3-F	DD
Phosphorus, Total	0.039		mg/l	0.010	1	-	02/25/09 14:25	30,4500P-E	ST
Sulfate	37		mg/l	10	1	02/24/09 10:05	02/24/09 10:05	1,9038	SD
Total Organic Carbon	ND		mg/l	0.50	1	-	02/26/09 16:19	1,9060	DW



Project Name: RAYTHEON-WAYLAND
Project Number: 0095922

Lab Number: L0902178
Report Date: 03/10/09

**Method Blank Analysis
Batch Quality Control**

Parameter	Result Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 02-08,10-16 Batch: WG353523-2								
Nitrogen, Nitrate	ND	mg/l	0.10	1	-	02/20/09 23:22	30,4500NO3-F	DD
General Chemistry - Westborough Lab for sample(s): 02-08,10-16 Batch: WG353670-1								
Alkalinity, Total	ND	mg CaCO3/L	2.0	1	-	02/23/09 11:18	30,2320B	SD
General Chemistry - Westborough Lab for sample(s): 02-08,10-16 Batch: WG353778-2								
Chloride	ND	mg/l	1.0	1	-	02/24/09 18:46	1,9251	DD
General Chemistry - Westborough Lab for sample(s): 02-08,10-16 Batch: WG353849-1								
Phosphorus, Total	ND	mg/l	0.010	1	-	02/25/09 14:05	30,4500P-E	ST
General Chemistry - Westborough Lab for sample(s): 02-08,10-16 Batch: WG353977-1								
Sulfate	ND	mg/l	10	1	02/24/09 10:05	02/24/09 10:05	1,9038	SD
General Chemistry - Westborough Lab for sample(s): 02-08,10,12-16 Batch: WG354112-1								
Total Organic Carbon	ND	mg/l	0.50	1	-	02/26/09 16:19	1,9060	DW
General Chemistry - Westborough Lab for sample(s): 11 Batch: WG354154-1								
Total Organic Carbon	ND	mg/l	0.50	1	-	02/27/09 10:48	1,9060	DW

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON-WAYLAND

Project Number: 0095922

Lab Number: L0902178

Report Date: 03/10/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-08,10-16 Batch: WG353523-1					
Nitrogen, Nitrate	98	-	90-110	-	
General Chemistry - Westborough Lab Associated sample(s): 02-08,10-16 Batch: WG353670-2					
Alkalinity, Total	103	-	80-115	-	4
General Chemistry - Westborough Lab Associated sample(s): 02-08,10-16 Batch: WG353778-1					
Chloride	100	-	90-110	-	
General Chemistry - Westborough Lab Associated sample(s): 02-08,10-16 Batch: WG353849-2					
Phosphorus, Total	105	-	85-115	-	
General Chemistry - Westborough Lab Associated sample(s): 02-08,10-16 Batch: WG353977-2					
Sulfate	110	-	90-115	-	
General Chemistry - Westborough Lab Associated sample(s): 02-08,10,12-16 Batch: WG354112-2					
Total Organic Carbon	100	-	90-110	-	
General Chemistry - Westborough Lab Associated sample(s): 11 Batch: WG354154-2					
Total Organic Carbon	92	-	90-110	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: RAYTHEON-WAYLAND

Lab Number: L0902178

Project Number: 0095922

Report Date: 03/10/09

Parameter	Native Sample	MS Added	MS Found	MS		MSD		Recovery Limits	RPD	RPD Limits
				%Recovery	MSD Found	%Recovery				
General Chemistry - Westborough Lab Associated sample(s): 02-08,10-16 QC Batch ID: WG353523-3 QC Sample: L0902178-02 Client ID: MW-553-20090218-01										
Nitrogen, Nitrate	ND	4	4.1	102	-	-	83-120	-	6	
General Chemistry - Westborough Lab Associated sample(s): 02-08,10-16 QC Batch ID: WG353670-3 QC Sample: L0902178-16 Client ID: MW-268D-20090219-01										
Alkalinity, Total	59	100	150	92	-	-	86-116	-	4	
General Chemistry - Westborough Lab Associated sample(s): 02-08,10-16 QC Batch ID: WG353778-3 QC Sample: L0902181-02 Client ID: MS Sample										
Chloride	15	20	35	100	-	-	58-140	-	7	
General Chemistry - Westborough Lab Associated sample(s): 02-08,10-16 QC Batch ID: WG353849-3 QC Sample: L0902178-10 Client ID: MW-266MB-20090219-01										
Phosphorus, Total	0.054	0.5	0.569	103	-	-	80-120	-	20	
General Chemistry - Westborough Lab Associated sample(s): 02-08,10-16 QC Batch ID: WG353977-3 QC Sample: L0902178-08 Client ID: DUP-001-20090219-01										
Sulfate	15	20	34	95	-	-	55-147	-	14	
General Chemistry - Westborough Lab Associated sample(s): 02-08,10,12-16 QC Batch ID: WG354112-3 QC Sample: L0902178-03 Client ID: MW-552-20090218-01										
Total Organic Carbon	1.4	4	5.1	93	-	-	80-120	-	20	
General Chemistry - Westborough Lab Associated sample(s): 11 QC Batch ID: WG354154-3 QC Sample: L0902178-11 Client ID: IW-5-20090219-01										
Total Organic Carbon	250	800	990	92	-	-	80-120	-	20	

Lab Duplicate Analysis

Batch Quality Control

Project Name: RAYTHEON-WAYLAND

Project Number: 0095922

Lab Number: L0902178

Report Date: 03/10/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-08,10-16 QC Batch ID: WG353523-4 QC Sample: L0902178-04 Client ID: MW-265M-20090218-01					
Nitrogen, Nitrate	0.11	ND	mg/l	NC	6
General Chemistry - Westborough Lab Associated sample(s): 02-08,10-16 QC Batch ID: WG353670-4 QC Sample: L0902178-16 Client ID: MW-268D-20090219-01					
Alkalinity, Total	59	58	mg CaCO3/L	2	4
General Chemistry - Westborough Lab Associated sample(s): 02-08,10-16 QC Batch ID: WG353778-4 QC Sample: L0902178-04 Client ID: MW-265M-20090218-01					
Chloride	9.3	9.1	mg/l	2	7
General Chemistry - Westborough Lab Associated sample(s): 02-08,10-16 QC Batch ID: WG353849-4 QC Sample: L0902178-10 Client ID: MW-266MB-20090219-01					
Phosphorus, Total	0.054	0.054	mg/l	0	20
General Chemistry - Westborough Lab Associated sample(s): 02-08,10-16 QC Batch ID: WG353977-4 QC Sample: L0902178-08 Client ID: DUP-001-20090219-01					
Sulfate	15	15	mg/l	0	14
General Chemistry - Westborough Lab Associated sample(s): 11 QC Batch ID: WG354154-4 QC Sample: L0902178-11 Client ID: IW-5-20090219-01					
Total Organic Carbon	250	260	mg/l	4	20

Project Name: RAYTHEON-WAYLAND

Lab Number: L0902178

Project Number: 0095922

Report Date: 03/10/09

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0902178-01H	Plastic 250ml unpreserved	B	7	2	Y	Absent	-
L0902178-02A	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-04(14)
L0902178-02B	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-04(14)
L0902178-02C	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-9060(28)
L0902178-02D	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-9060(28)
L0902178-02E	Plastic 500ml unpreserved	A	7	2	Y	Absent	CL-9251(28),SO4-9038(28),NO3-4500(2)
L0902178-02F	Plastic 250ml H2SO4 preserved	A	<2	2	Y	Absent	TPHOS-4500(28)
L0902178-02G	Plastic 250ml HNO3 preserved	A	<2	2	Y	Absent	MCP-FE-6010S(180),MCP-MN-6010S(180)
L0902178-02H	Plastic 250ml unpreserved	A	7	2	Y	Absent	ALK-T-2320(14)
L0902178-03A	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-04(14)
L0902178-03B	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-04(14)
L0902178-03C	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-9060(28)
L0902178-03D	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-9060(28)
L0902178-03E	Plastic 500ml unpreserved	A	7	2	Y	Absent	CL-9251(28),SO4-9038(28),NO3-4500(2)
L0902178-03F	Plastic 250ml H2SO4 preserved	A	<2	2	Y	Absent	TPHOS-4500(28)
L0902178-03G	Plastic 250ml HNO3 preserved	A	<2	2	Y	Absent	MCP-FE-6010S(180),MCP-MN-6010S(180)
L0902178-03H	Plastic 250ml unpreserved	A	7	2	Y	Absent	ALK-T-2320(14)
L0902178-04A	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-04(14)
L0902178-04B	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-04(14)
L0902178-04C	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-9060(28)
L0902178-04D	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-9060(28)
L0902178-04E	Plastic 500ml unpreserved	A	7	2	Y	Absent	CL-9251(28),SO4-9038(28),NO3-4500(2)
L0902178-04F	Plastic 250ml H2SO4 preserved	A	<2	2	Y	Absent	TPHOS-4500(28)
L0902178-04G	Plastic 250ml HNO3 preserved	A	<2	2	Y	Absent	MCP-FE-6010S(180),MCP-MN-6010S(180)
L0902178-04H	Plastic 250ml unpreserved	A	7	2	Y	Absent	ALK-T-2320(14)
L0902178-05A	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-04(14)
L0902178-05B	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-04(14)

*Hold days indicated by values in parentheses



Project Name: RAYTHEON-WAYLAND

Project Number: 0095922

Lab Number: L0902178

Report Date: 03/10/09

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0902178-05C	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-9060(28)
L0902178-05D	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-9060(28)
L0902178-05E	Plastic 500ml unpreserved	A	7	2	Y	Absent	CL-9251(28),SO4-9038(28),NO3-4500(2)
L0902178-05F	Plastic 250ml H2SO4 preserved	A	<2	2	Y	Absent	TPHOS-4500(28)
L0902178-05G	Plastic 250ml HNO3 preserved	A	<2	2	Y	Absent	MCP-FE-6010S(180),MCP-MN-6010S(180)
L0902178-05H	Plastic 250ml unpreserved	A	7	2	Y	Absent	ALK-T-2320(14)
L0902178-06A	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-04(14)
L0902178-06B	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-04(14)
L0902178-06C	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-9060(28)
L0902178-06D	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-9060(28)
L0902178-06E	Plastic 500ml unpreserved	B	7	2	Y	Absent	CL-9251(28),SO4-9038(28),NO3-4500(2)
L0902178-06F	Plastic 250ml H2SO4 preserved	B	<2	2	Y	Absent	TPHOS-4500(28)
L0902178-06G	Plastic 250ml HNO3 preserved	B	<2	2	Y	Absent	MCP-FE-6010S(180),MCP-MN-6010S(180)
L0902178-06H	Plastic 250ml unpreserved	B	7	2	Y	Absent	ALK-T-2320(14)
L0902178-07A	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-04(14)
L0902178-07B	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-04(14)
L0902178-07C	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-9060(28)
L0902178-07D	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-9060(28)
L0902178-07E	Plastic 500ml unpreserved	B	7	2	Y	Absent	CL-9251(28),SO4-9038(28),NO3-4500(2)
L0902178-07F	Plastic 250ml H2SO4 preserved	B	<2	2	Y	Absent	TPHOS-4500(28)
L0902178-07G	Plastic 250ml HNO3 preserved	B	<2	2	Y	Absent	MCP-FE-6010S(180),MCP-MN-6010S(180)
L0902178-07H	Plastic 250ml unpreserved	A	7	2	Y	Absent	ALK-T-2320(14)
L0902178-07L	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-04(14)
L0902178-07M	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-04(14)
L0902178-07N	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-04(14)
L0902178-07O	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-04(14)
L0902178-08A	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-04(14)
L0902178-08B	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-04(14)
L0902178-08C	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-9060(28)
L0902178-08D	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-9060(28)
L0902178-08E	Plastic 500ml unpreserved	B	7	2	Y	Absent	CL-9251(28),SO4-9038(28),NO3-4500(2)
L0902178-08F	Plastic 250ml H2SO4 preserved	B	<2	2	Y	Absent	TPHOS-4500(28)
L0902178-08G	Plastic 250ml HNO3 preserved	B	<2	2	Y	Absent	MCP-FE-6010S(180),MCP-MN-6010S(180)

*Hold days indicated by values in parentheses

Project Name: RAYTHEON-WAYLAND

Project Number: 0095922

Lab Number: L0902178

Report Date: 03/10/09

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0902178-08H	Plastic 250ml unpreserved	A	7	2	Y	Absent	ALK-T-2320(14)
L0902178-09A	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-04(14)
L0902178-09B	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-04(14)
L0902178-10A	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-04(14)
L0902178-10B	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-04(14)
L0902178-10C	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-9060(28)
L0902178-10D	Vial H2SO4 preserved	A	N/A	2	Y	Absent	TOC-9060(28)
L0902178-10E	Plastic 500ml unpreserved	B	7	2	Y	Absent	CL-9251(28),SO4-9038(28),NO3-4500(2)
L0902178-10F	Plastic 250ml H2SO4 preserved	B	<2	2	Y	Absent	TPHOS-4500(28)
L0902178-10G	Plastic 250ml HNO3 preserved	B	<2	2	Y	Absent	MCP-FE-6010S(180),MCP-MN-6010S(180)
L0902178-10H	Plastic 250ml unpreserved	B	7	2	Y	Absent	ALK-T-2320(14)
L0902178-11A	Vial HCl preserved	B	N/A	2	Y	Absent	MCP-8260-04(14)
L0902178-11B	Vial HCl preserved	B	N/A	2	Y	Absent	MCP-8260-04(14)
L0902178-11C	Vial H2SO4 preserved	B	N/A	2	Y	Absent	TOC-9060(28)
L0902178-11D	Vial H2SO4 preserved	B	N/A	2	Y	Absent	TOC-9060(28)
L0902178-11E	Plastic 500ml unpreserved	B	7	2	Y	Absent	CL-9251(28),SO4-9038(28),NO3-4500(2)
L0902178-11F	Plastic 250ml H2SO4 preserved	B	<2	2	Y	Absent	TPHOS-4500(28)
L0902178-11G	Plastic 250ml HNO3 preserved	B	<2	2	Y	Absent	MCP-FE-6010S(180),MCP-MN-6010S(180)
L0902178-11H	Plastic 250ml unpreserved	B	7	2	Y	Absent	ALK-T-2320(14)
L0902178-12A	Vial HCl preserved	B	N/A	2	Y	Absent	MCP-8260-04(14)
L0902178-12B	Vial HCl preserved	B	N/A	2	Y	Absent	MCP-8260-04(14)
L0902178-12C	Vial H2SO4 preserved	B	N/A	2	Y	Absent	TOC-9060(28)
L0902178-12D	Vial H2SO4 preserved	B	N/A	2	Y	Absent	TOC-9060(28)
L0902178-12E	Plastic 500ml unpreserved	B	7	2	Y	Absent	CL-9251(28),SO4-9038(28),NO3-4500(2)
L0902178-12F	Plastic 250ml H2SO4 preserved	B	<2	2	Y	Absent	TPHOS-4500(28)
L0902178-12G	Plastic 250ml HNO3 preserved	B	<2	2	Y	Absent	MCP-FE-6010S(180),MCP-MN-6010S(180)
L0902178-12H	Plastic 250ml unpreserved	B	7	2	Y	Absent	ALK-T-2320(14)
L0902178-13A	Vial HCl preserved	B	N/A	2	Y	Absent	MCP-8260-04(14)
L0902178-13B	Vial HCl preserved	B	N/A	2	Y	Absent	MCP-8260-04(14)
L0902178-13C	Vial H2SO4 preserved	B	N/A	2	Y	Absent	TOC-9060(28)
L0902178-13D	Vial H2SO4 preserved	B	N/A	2	Y	Absent	TOC-9060(28)
L0902178-13E	Plastic 500ml unpreserved	B	7	2	Y	Absent	CL-9251(28),SO4-9038(28),NO3-4500(2)
L0902178-13F	Plastic 250ml H2SO4 preserved	B	<2	2	Y	Absent	TPHOS-4500(28)

*Hold days indicated by values in parentheses

Project Name: RAYTHEON-WAYLAND

Project Number: 0095922

Lab Number: L0902178

Report Date: 03/10/09

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0902178-13G	Plastic 250ml HNO3 preserved	B	<2	2	Y	Absent	MCP-FE-6010S(180),MCP-MN-6010S(180)
L0902178-13H	Plastic 250ml unpreserved	B	7	2	Y	Absent	ALK-T-2320(14)
L0902178-14A	Vial HCl preserved	B	N/A	2	Y	Absent	MCP-8260-04(14)
L0902178-14B	Vial HCl preserved	B	N/A	2	Y	Absent	MCP-8260-04(14)
L0902178-14C	Vial H2SO4 preserved	B	N/A	2	Y	Absent	TOC-9060(28)
L0902178-14D	Vial H2SO4 preserved	B	N/A	2	Y	Absent	TOC-9060(28)
L0902178-14E	Plastic 500ml unpreserved	B	7	2	Y	Absent	CL-9251(28),SO4-9038(28),NO3-4500(2)
L0902178-14F	Plastic 250ml H2SO4 preserved	B	<2	2	Y	Absent	TPHOS-4500(28)
L0902178-14G	Plastic 250ml HNO3 preserved	B	<2	2	Y	Absent	MCP-FE-6010S(180),MCP-MN-6010S(180)
L0902178-14H	Plastic 250ml unpreserved	B	7	2	Y	Absent	ALK-T-2320(14)
L0902178-15A	Vial HCl preserved	B	N/A	2	Y	Absent	MCP-8260-04(14)
L0902178-15B	Vial HCl preserved	B	N/A	2	Y	Absent	MCP-8260-04(14)
L0902178-15C	Vial H2SO4 preserved	B	N/A	2	Y	Absent	TOC-9060(28)
L0902178-15D	Vial H2SO4 preserved	B	N/A	2	Y	Absent	TOC-9060(28)
L0902178-15E	Plastic 500ml unpreserved	B	7	2	Y	Absent	CL-9251(28),SO4-9038(28),NO3-4500(2)
L0902178-15F	Plastic 250ml H2SO4 preserved	B	<2	2	Y	Absent	TPHOS-4500(28)
L0902178-15G	Plastic 250ml HNO3 preserved	B	<2	2	Y	Absent	MCP-FE-6010S(180),MCP-MN-6010S(180)
L0902178-15H	Plastic 250ml unpreserved	B	7	2	Y	Absent	ALK-T-2320(14)
L0902178-16A	Vial HCl preserved	B	N/A	2	Y	Absent	MCP-8260-04(14)
L0902178-16B	Vial HCl preserved	B	N/A	2	Y	Absent	MCP-8260-04(14)
L0902178-16C	Vial H2SO4 preserved	B	N/A	2	Y	Absent	TOC-9060(28)
L0902178-16D	Vial H2SO4 preserved	B	N/A	2	Y	Absent	TOC-9060(28)
L0902178-16E	Plastic 500ml unpreserved	B	7	2	Y	Absent	CL-9251(28),SO4-9038(28),NO3-4500(2)
L0902178-16F	Plastic 250ml H2SO4 preserved	B	<2	2	Y	Absent	TPHOS-4500(28)
L0902178-16G	Plastic 250ml HNO3 preserved	B	<2	2	Y	Absent	MCP-FE-6010S(180),MCP-MN-6010S(180)
L0902178-16H	Plastic 250ml unpreserved	B	7	2	Y	Absent	ALK-T-2320(14)

Container Comments

L0902178-07L

L0902178-07N

L0902178-16B

*Hold days indicated by values in parentheses



Project Name: RAYTHEON-WAYLAND
Project Number: 0095922

Lab Number: L0902178
Report Date: 03/10/09

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.
- 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.
- NI** - Not Ignitable.
- RDL** - Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
- RPD** - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

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

Data Qualifiers

- *** - The batch duplicate RPD exceeds the acceptance criteria. This flag is not applicable when the sample concentrations are less than 5x the RDL. (Metals only.)
- 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.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to 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.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- N** - The matrix spike recovery exceeds the acceptance criteria. This flag is not applicable when the sample concentration is greater than 4x the spike added. (Metals only.)
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.

Project Name: RAYTHEON-WAYLAND
Project Number: 0095922

Lab Number: L0902178
Report Date: 03/10/09

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 Analytical 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 Analytical 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.



Certificate/Approval Program Summary

Last revised February 18, 2009 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574.

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3,3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: MA0086.

Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 150.1, 180.1, 300.0, 353.2, SM2130B, 2320B, 4500CI-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500CI-D, 4500CI-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

Drinking Water

Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)

(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Nitrite-N, Fluoride, Sulfate)

353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, 2320B, SM2540C, EPA 150.1, SM4500H-B.

Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)

(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), SM6251B, 314.0.

Non-Potable Water

Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)

(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Ti,V,Zn,Ca,Mg,Na,K)

245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Nitrate-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)

(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCB-Water) 600/4-81-045-PCB-Oil

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.*Drinking Water*

Microbiology Parameters: SM9215B; MF-SM9222B; ENZ. SUB. SM9223; EC-SM9221E; MF-SM9222D; ENZ. SUB. SM9223;

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307.

Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 110.2, 120.1, 150.1, 300.0, 325.2, 314.0, SM4500CN-E, 4500H+B, 4500NO₃-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 150.1, 300.0, 305.1, 310.1, 325.2, 340.2, 350.1, 350.2, 351.1, 353.2, 354.1, 365.2, 375.4, 376.2, 405.1, 415.1, 420.1, 425.1, 1664A, SW-846 9010, 9030, 9040B, EPA 160.1, 160.2, 160.3, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH₃-H, 4500NH₃-E, 4500NO₂-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935.

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO₃-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, 331.0, 110.2, SM2120B, 2510B, 5310C, EPA 150.1, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.1, SM5220D, 4500CI-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO₃-F, 4500NO₂-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH₃-H, EPA 350.2/1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 3540C, 3545, 3550B, 3580A, 5035L, 5035H.)

New York Department of Health Certificate/Lab ID: 11148.

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 8215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 331.0, SM2320B, EPA 300.0, 325.2, 110.2, SM2120B, 4500CN-E, 4500F-C, EPA 150.1, SM4500H-B, 4500NO₃-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1, SM6251B.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, EPA 405.1, SM5210B, EPA 410.4, SM5220D, EPA 305.1, SM2310B-4a, EPA 310.1, SM2320B, EPA 200.7, 300.0, 325.2, LACHAT 10-117-07-1A or B, SM4500CI-E, EPA 340.2, SM4500F-C, EPA 375.4, SM15 426C, EPA 350.1, 350.2, LACHAT 10-107-06-1-B, SM4500NH₃-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO₃F, EPA 354.1, SM4500-NO₂-B, EPA 365.2, SM4500P-E, EPA 160.3, SM2540B, EPA 160.1, SM2540C, EPA 160.2, SM2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, 110.2, SM2120B, 335.2, LACHAT 10-204-00-1-A, EPA 150.1, 9040B, SM4500-HB, EPA 1664A, EPA 415.1, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, EPA 376.2, SM4500S-D, EPA 425.1, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, 8021B, EPA 3510C, 5030B, 9010B, 9030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 3005A, 3050B, 3051, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 8021B, 3540C, 3545, 3580, 5030B, 5035.)

Analytical Services Protocol: CLP Volatile Organics, CLP Inorganics, CLP PCB/Pesticides.

Rhode Island Department of Health Certificate/Lab ID: LAO00065.

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. Registered Laboratory.

CHAIN OF CUSTODY

PAGE 2 OF 3



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

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

Client Information

Client: ERM

Project #: 0095922

Address: 399 Boylston St.

Project Manager: Jasen Flattery

Phone: (617) 644-7800

ALPHA Quote #:

Fax: (617) 247-6447

Turn-Around Time

Email: balmar_fmst@erm.com

Standard

RUSH (only confirmed if pre-approved)

Date Due: 2/27/09

Time:

Other Project Specific Requirements/Comments/Detection Limits:

Date Rec'd in Lab: 2/20/09

ALPHA Job #: 10902178

Report Information - Data Deliverables

Billing Information

FAX
 ADEX
 EMAIL
 Add'l Deliverables

Same as Client info PO #:

State/Fed Program: MA MCP Criteria: GW1

MA MCP PRESUMPTIVE CERTAINTY ... CT REASONABLE CONFIDENCE PROTO.

Regulatory Requirements/Report Limits

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

ANALYSIS
8021 B
Chloride, NO₂, SO₄
Diss, Fe, + Mn
Tox
Total Phosphorus
Alkalinity

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials
		Date	Time		

TOTAL #	SAMPLE HANDLING	
	Filtration	Preservation
	<input type="checkbox"/> Done	<input type="checkbox"/> Lab to do
	<input type="checkbox"/> Not needed	<input type="checkbox"/> Lab to do
	<input type="checkbox"/> Lab to do	<input type="checkbox"/> Lab to do

02178.2	MW-SSJ-2009Q1R-01	2/19/09	1120	GW	CC	2	1	2	1	1								
3	MW-SSJ-2009Q2R-01	2/19/09	1330	GW	CC	2	1	2	1	1								
4	MW-26SM-2009Q2R-01	2/19/09	1400	GW	CC	2	1	2	1	1								
5	MW-26SM-2009Q2R-01	2/19/09	1445	GW	EW	2	1	2	1	1								
6	MW-57U-2009D2R-01	2/19/09	0900	GW	EW	2	1	2	1	1								
7	MW-26IS-2009Q2R-01	2/19/09	0730	GW	CC	2	1	2	1	1								
7	MW-26IS-2009Q2R-01	2/19/09	0750	GW	CC	2	1	2	1	1								
8	DUP-001-2009Q2R-01	2/19/09	1111	GW	EW	2	1	2	1	1								
9	TB-001-2009Q2R-01	2/19/09	1110	—	DS	2	2											

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT
MA MCP or CT RCP?

Relinquished By:

Date/Time

Received By:

Date/Time

Container Type	V	P	P	V	P	P
Preservative	B	A	C	A	D	A

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 Terms and Conditions. See reverse side.



Eight Walkup Drive Westborough, MA 01581
 TEL: 508-898-9220 FAX: 508-898-9193

CHAIN OF CUSTODY

PAGE 3 OF 3

Project Information

Project Name: Raytheon Wayland

Project Location: Wayland, MA

Project #: 0095932

Project Manager: Jason Flattery

ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)

Date Due: 2/27/09 Time:

Other Project Specific Requirements/Comments/Detection Limits:

Date Recd In Lab: 2/20/09

ALPHA Job #: LS902178

Report Information - Data Deliverables

FAX EMAIL Add'l Deliverables

Regulatory Requirements/Report Limits

State / Fed Program: MA MCP GW4

MCP PRESUMPTIVE CERTAINTY - THESE QUESTIONS MUST BE ANSWERED

ANALYSIS	Yes	No	Are MCP Analytical Methods Required?
8021B Chloride, NO ₃ , SO ₄	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diss. Fe + Mn (FP)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TOC	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Phos.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alkalinity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	Container Type	Preservative	Date/Time	Receiver By	Date/Time
		Date	Time							
02178.10	MW-266 MW-20090219-01	2/19/09	0915	GW	EW	V	A	2/19/09 1715	James Walker	2/20/09 1715
11	IW-5-20090219-01	2/19/09	1050	GW	EW	V	A			
12	MW-266 MW-20090219-01	2/19/09	1050	GW	EW	V	A			
13	MW-267S-20090219-01	2/19/09	1320	GW	EW	V	A			
14	MW-268M-20090219-01	2/19/09	1230	GW	EW	V	A			
15	DUP-002-20090219-01	2/19/09	1313	GW	EW	V	A			
16	MW-268D-20090219-01	2/19/09	1400	GW	EW	V	A			

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

IS YOUR PROJECT MCP?

MCP?

Relinquished By:

Spinky King
James Walker

Date/Time

2/20/09 1715

Receiver By:

James Walker

Date/Time

2/20/09 1715

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.