

Environmental
Resources
Management

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

18 May 2007
Reference: 0061882

Mr. Tim Skeehan
c/o Russell's Garden Center
397 Boston Post Road
Wayland, MA 01778



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

Dear Mr. Skeehan:

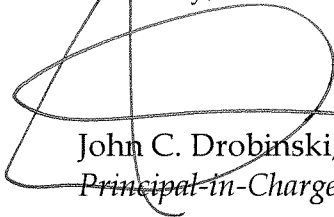
On behalf of Raytheon Company (Raytheon), Environmental Resources Management (ERM) is submitting the results of groundwater sample analyses from the Former Raytheon Facility located at 430 Boston Post Road in Wayland, Massachusetts (Site). The results are submitted pursuant to 310 CMR 40.1403(10) of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

ERM collected groundwater samples from 8 wells on portions of the Site within the boundaries of your property between 23 and 26 April 2007. The wells sampled were MW-217 S/M/D, MW-218 S/M/D, and MW-221 M/D. All samples were submitted for laboratory analysis of volatile organic compounds by United States Environmental Protection Agency (USEPA) Method 8260. Sample analysis was conducted by Alpha Analytical Laboratories of Westborough, Massachusetts. Analytical laboratory reports are attached to this letter. This analytical data will be provided to the Massachusetts Department of Environmental Protection in the next required MCP submittal.


Raytheon has implemented the Public Involvement Process in accordance with MCP 310 CMR 40.1405. Documents pertaining to the Site can be found at the Board of Health, the Wayland Public Library Public Involvement Plan files, or at www.ermne.com (username = raytheon, password = wayland).

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



Jeremy J. Picard, P.G.
Project Manager

enclosures: BWSC-123 - Notice of Environmental Sampling
Alpha Analytical Laboratories Report L0705866

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: Russell's Garden Center
2. Street Address: 397 Boston Post Road
City/Town: Wayland Zip Code: 01778

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

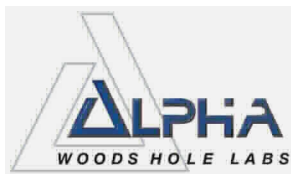
When environmental samples are taken as part of an investigation under the Massachusetts Contingency Plan at a property on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice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



ANALYTICAL REPORT

Lab Number: L0705866

Client: ERM-New England
399 Boylston Street
6th Floor
Boston, MA 02116

ATTN: Jeremy Picard

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Report Date: 05/03/07

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

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



Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0705866
Report Date: 05/03/07

Alpha Sample ID	Client ID	Sample Location
L0705866-01	MW-218S-20070424-01	WAYLAND, MA
L0705866-02	MW-218D-20070424-01	WAYLAND, MA
L0705866-03	MW-217S-20070424-01	WAYLAND, MA
L0705866-04	MW-218M-20070424-01	WAYLAND, MA
L0705866-05	DUP-009-20070424-01	WAYLAND, MA
L0705866-06	MW-217D-20070424-01	WAYLAND, MA
L0705866-07	MW-217M-20070424-01	WAYLAND, MA
L0705866-08	MW-221D-20070424-01	WAYLAND, MA
L0705866-09	MW-221M-20070424-01	WAYLAND, MA

Project Name: RAYTHEON WAYLAND

Lab Number: L0705866

Project Number: 0061882

Report Date: 05/03/07

MADEP MCP Response Action Analytical Report Certification

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

An affirmative response to questions A, B, C & D is required for "Presumptive Certainty" status		
A	Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set?	YES
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	YES
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	YES
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	N/A
A response to questions E and F is required for "Presumptive Certainty" status		
E	Were all QC performance standards and recommendations for the specified method(s) achieved?	YES
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: 0061882

Lab Number: L0705866
Report Date: 05/03/07

Case Narrative

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

MCP Related Narratives

Volatile Organics

L0705866-04 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

In reference to question F:

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

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

Authorized Signature:



Title: Technical Director

Date: 05/03/07

ORGANICS

VOLATILES

Project Name: RAYTHEON WAYLAND**Lab Number:** L0705866**Project Number:** 0061882**Report Date:** 05/03/07**SAMPLE RESULTS**

Lab ID: L0705866-01
 Client ID: MW-218S-20070424-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 05/02/07 19:09
 Analyst: RY

Date Collected: 04/24/07 08:40
 Date Received: 04/25/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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
Benzene	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
Methyl tert butyl ether	ND		ug/l	1.0	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

Project Name: RAYTHEON WAYLAND**Lab Number:** L0705866**Project Number:** 0061882**Report Date:** 05/03/07**SAMPLE RESULTS**

Lab ID: L0705866-01
 Client ID: MW-218S-20070424-01
 Sample Location: WAYLAND, MA

Date Collected: 04/24/07 08:40
 Date Received: 04/25/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
1,3-Dichloropropane	ND		ug/l	2.5	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
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	117		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	103		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0705866**Project Number:** 0061882**Report Date:** 05/03/07**SAMPLE RESULTS**

Lab ID: L0705866-02
 Client ID: MW-218D-20070424-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 05/02/07 19:39
 Analyst: RY

Date Collected: 04/24/07 09:25
 Date Received: 04/25/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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
Benzene	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	1.1		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
Methyl tert butyl ether	ND		ug/l	1.0	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

Project Name: RAYTHEON WAYLAND**Lab Number:** L0705866**Project Number:** 0061882**Report Date:** 05/03/07**SAMPLE RESULTS**

Lab ID: L0705866-02
 Client ID: MW-218D-20070424-01
 Sample Location: WAYLAND, MA

Date Collected: 04/24/07 09:25
 Date Received: 04/25/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
1,3-Dichloropropane	ND		ug/l	2.5	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
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	115		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	107		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0705866**Project Number:** 0061882**Report Date:** 05/03/07**SAMPLE RESULTS**

Lab ID: L0705866-03
 Client ID: MW-217S-20070424-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 05/02/07 20:10
 Analyst: RY

Date Collected: 04/24/07 10:35
 Date Received: 04/25/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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
Benzene	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
Methyl tert butyl ether	ND		ug/l	1.0	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

Project Name: RAYTHEON WAYLAND**Lab Number:** L0705866**Project Number:** 0061882**Report Date:** 05/03/07**SAMPLE RESULTS**

Lab ID: L0705866-03
 Client ID: MW-217S-20070424-01
 Sample Location: WAYLAND, MA

Date Collected: 04/24/07 10:35
 Date Received: 04/25/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
1,3-Dichloropropane	ND		ug/l	2.5	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
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	118		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	110		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0705866**Project Number:** 0061882**Report Date:** 05/03/07**SAMPLE RESULTS**

Lab ID: L0705866-04
 Client ID: MW-218M-20070424-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 05/02/07 23:16
 Analyst: RY

Date Collected: 04/24/07 08:20
 Date Received: 04/25/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Methylene chloride	ND		ug/l	12	2.5
1,1-Dichloroethane	8.6		ug/l	1.9	2.5
Chloroform	ND		ug/l	1.9	2.5
Carbon tetrachloride	ND		ug/l	1.2	2.5
1,2-Dichloropropane	ND		ug/l	4.4	2.5
Dibromochloromethane	ND		ug/l	1.2	2.5
1,1,2-Trichloroethane	ND		ug/l	1.9	2.5
Tetrachloroethene	ND		ug/l	1.2	2.5
Chlorobenzene	ND		ug/l	1.2	2.5
1,2-Dichloroethane	ND		ug/l	1.2	2.5
1,1,1-Trichloroethane	ND		ug/l	1.2	2.5
Bromodichloromethane	ND		ug/l	1.2	2.5
trans-1,3-Dichloropropene	ND		ug/l	1.2	2.5
cis-1,3-Dichloropropene	ND		ug/l	1.2	2.5
Bromoform	ND		ug/l	5.0	2.5
1,1,2,2-Tetrachloroethane	ND		ug/l	1.2	2.5
Benzene	ND		ug/l	1.2	2.5
Chloromethane	ND		ug/l	6.2	2.5
Vinyl chloride	ND		ug/l	2.5	2.5
Chloroethane	ND		ug/l	2.5	2.5
1,1-Dichloroethene	ND		ug/l	1.2	2.5
trans-1,2-Dichloroethene	ND		ug/l	1.9	2.5
Trichloroethene	1.8		ug/l	1.2	2.5
1,2-Dichlorobenzene	ND		ug/l	6.2	2.5
1,3-Dichlorobenzene	ND		ug/l	6.2	2.5
1,4-Dichlorobenzene	ND		ug/l	6.2	2.5
Methyl tert butyl ether	93		ug/l	2.5	2.5
cis-1,2-Dichloroethene	ND		ug/l	1.2	2.5
Dichlorodifluoromethane	ND		ug/l	12	2.5
1,2-Dibromoethane	ND		ug/l	5.0	2.5

Project Name: RAYTHEON WAYLAND**Lab Number:** L0705866**Project Number:** 0061882**Report Date:** 05/03/07**SAMPLE RESULTS**

Lab ID: L0705866-04
 Client ID: MW-218M-20070424-01
 Sample Location: WAYLAND, MA

Date Collected: 04/24/07 08:20
 Date Received: 04/25/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
1,3-Dichloropropane	ND		ug/l	6.2	2.5
1,1,1,2-Tetrachloroethane	ND		ug/l	1.2	2.5
o-Chlorotoluene	ND		ug/l	6.2	2.5
p-Chlorotoluene	ND		ug/l	6.2	2.5
Hexachlorobutadiene	ND		ug/l	1.5	2.5
1,2,4-Trichlorobenzene	ND		ug/l	6.2	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	104		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0705866**Project Number:** 0061882**Report Date:** 05/03/07**SAMPLE RESULTS**

Lab ID: L0705866-05
 Client ID: DUP-009-20070424-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 05/02/07 20:41
 Analyst: RY

Date Collected: 04/24/07 00:00
 Date Received: 04/25/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Methylene chloride	ND		ug/l	5.0	1
1,1-Dichloroethane	7.6		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	0.99		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
Benzene	0.66		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	0.64		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	1
Trichloroethene	1.7		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
Methyl tert butyl ether	93		ug/l	1.0	1
cis-1,2-Dichloroethene	1.1		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
1,2-Dibromoethane	ND		ug/l	2.0	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0705866**Project Number:** 0061882**Report Date:** 05/03/07**SAMPLE RESULTS**

Lab ID: L0705866-05
 Client ID: DUP-009-20070424-01
 Sample Location: WAYLAND, MA

Date Collected: 04/24/07 00:00
 Date Received: 04/25/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
1,3-Dichloropropane	ND		ug/l	2.5	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
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	122		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	107		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0705866**Project Number:** 0061882**Report Date:** 05/03/07**SAMPLE RESULTS**

Lab ID: L0705866-06
 Client ID: MW-217D-20070424-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 05/02/07 21:12
 Analyst: RY

Date Collected: 04/24/07 10:10
 Date Received: 04/25/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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
Benzene	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	2.1		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
Methyl tert butyl ether	ND		ug/l	1.0	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

Project Name: RAYTHEON WAYLAND**Lab Number:** L0705866**Project Number:** 0061882**Report Date:** 05/03/07**SAMPLE RESULTS**

Lab ID: L0705866-06
 Client ID: MW-217D-20070424-01
 Sample Location: WAYLAND, MA

Date Collected: 04/24/07 10:10
 Date Received: 04/25/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
1,3-Dichloropropane	ND		ug/l	2.5	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
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	112		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	108		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0705866**Project Number:** 0061882**Report Date:** 05/03/07**SAMPLE RESULTS**

Lab ID: L0705866-07
 Client ID: MW-217M-20070424-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 05/02/07 21:43
 Analyst: RY

Date Collected: 04/24/07 11:15
 Date Received: 04/25/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Methylene chloride	ND		ug/l	5.0	1
1,1-Dichloroethane	2.3		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	1.1		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
Benzene	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	1.1		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	1
Trichloroethene	6.2		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
Methyl tert butyl ether	39		ug/l	1.0	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

Project Name: RAYTHEON WAYLAND**Lab Number:** L0705866**Project Number:** 0061882**Report Date:** 05/03/07**SAMPLE RESULTS**

Lab ID: L0705866-07
 Client ID: MW-217M-20070424-01
 Sample Location: WAYLAND, MA

Date Collected: 04/24/07 11:15
 Date Received: 04/25/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
1,3-Dichloropropane	ND		ug/l	2.5	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
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	112		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	108		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0705866**Project Number:** 0061882**Report Date:** 05/03/07**SAMPLE RESULTS**

Lab ID: L0705866-08
 Client ID: MW-221D-20070424-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 05/02/07 22:14
 Analyst: RY

Date Collected: 04/24/07 13:45
 Date Received: 04/25/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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
Benzene	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	3.8		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
Methyl tert butyl ether	ND		ug/l	1.0	1
cis-1,2-Dichloroethene	1.2		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
1,2-Dibromoethane	ND		ug/l	2.0	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0705866**Project Number:** 0061882**Report Date:** 05/03/07**SAMPLE RESULTS**

Lab ID: L0705866-08
 Client ID: MW-221D-20070424-01
 Sample Location: WAYLAND, MA

Date Collected: 04/24/07 13:45
 Date Received: 04/25/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
1,3-Dichloropropane	ND		ug/l	2.5	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
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	116		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	111		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0705866**Project Number:** 0061882**Report Date:** 05/03/07**SAMPLE RESULTS**

Lab ID: L0705866-09
 Client ID: MW-221M-20070424-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 05/02/07 22:45
 Analyst: RY

Date Collected: 04/24/07 14:50
 Date Received: 04/25/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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
Benzene	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
Methyl tert butyl ether	5.3		ug/l	1.0	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

Project Name: RAYTHEON WAYLAND**Lab Number:** L0705866**Project Number:** 0061882**Report Date:** 05/03/07**SAMPLE RESULTS**

Lab ID: L0705866-09
 Client ID: MW-221M-20070424-01
 Sample Location: WAYLAND, MA

Date Collected: 04/24/07 14:50
 Date Received: 04/25/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
1,3-Dichloropropane	ND		ug/l	2.5	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1
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	116		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	107		70-130

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0705866
Report Date: 05/03/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 05/02/07 18:38
Analyst: RY

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-09 Batch: WG279032-3				
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: 0061882

Lab Number: L0705866
Report Date: 05/03/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 05/02/07 18:38
Analyst: RY

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-09 Batch: WG279032-3				
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: 0061882

Lab Number: L0705866
Report Date: 05/03/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 05/02/07 18:38
Analyst: RY

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-09 Batch: WG279032-3				

Parameter	Result	Qualifier	Units	RDL
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	104		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0705866

Project Number: 0061882

Report Date: 05/03/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-09 Batch: WG279032-1 WG279032-2					
Methylene chloride	101	100	70-130	1	25
1,1-Dichloroethane	105	101	70-130	4	25
Chloroform	103	98	70-130	5	25
Carbon tetrachloride	106	103	70-130	3	25
1,2-Dichloropropane	94	91	70-130	3	25
Dibromochloromethane	93	102	70-130	9	25
1,1,2-Trichloroethane	97	102	70-130	5	25
Tetrachloroethene	106	106	70-130	0	25
Chlorobenzene	103	101	70-130	2	25
Trichlorofluoromethane	129	127	70-130	2	25
1,2-Dichloroethane	111	110	70-130	1	25
1,1,1-Trichloroethane	111	104	70-130	7	25
Bromodichloromethane	98	100	70-130	2	25
trans-1,3-Dichloropropene	90	95	70-130	5	25
cis-1,3-Dichloropropene	91	90	70-130	1	25
1,1-Dichloropropene	99	96	70-130	3	25
Bromoform	95	98	70-130	3	50
1,1,2,2-Tetrachloroethane	114	115	70-130	1	25
Benzene	93	90	70-130	3	25
Toluene	98	99	70-130	1	25
Ethylbenzene	103	102	70-130	1	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0705866

Project Number: 0061882

Report Date: 05/03/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-09 Batch: WG279032-1 WG279032-2					
Chloromethane	98	98	70-130	0	50
Bromomethane	88	84	70-130	5	50
Vinyl chloride	92	91	70-130	1	25
Chloroethane	98	98	70-130	0	25
1,1-Dichloroethene	111	107	70-130	4	25
trans-1,2-Dichloroethene	97	97	70-130	0	25
Trichloroethene	103	99	70-130	4	25
1,2-Dichlorobenzene	100	97	70-130	3	25
1,3-Dichlorobenzene	103	98	70-130	5	25
1,4-Dichlorobenzene	102	99	70-130	3	25
Methyl tert butyl ether	96	101	70-130	5	25
p/m-Xylene	102	102	70-130	0	25
o-Xylene	99	101	70-130	2	25
cis-1,2-Dichloroethene	104	98	70-130	6	25
Dibromomethane	103	100	70-130	3	25
1,2,3-Trichloropropane	111	116	70-130	4	25
Styrene	99	101	70-130	2	25
Dichlorodifluoromethane	92	90	70-130	2	50
Acetone	127	140	70-130	10	50
Carbon disulfide	86	88	70-130	2	25
2-Butanone	129	136	70-130	5	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Lab Number: L0705866

Report Date: 05/03/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-09 Batch: WG279032-1 WG279032-2					
4-Methyl-2-pentanone	95	92	70-130	3	50
2-Hexanone	100	116	70-130	15	50
Bromochloromethane	104	104	70-130	0	25
Tetrahydrofuran	98	102	70-130	4	25
2,2-Dichloropropane	98	99	70-130	1	50
1,2-Dibromoethane	100	100	70-130	0	25
1,3-Dichloropropane	95	103	70-130	8	25
1,1,1,2-Tetrachloroethane	102	104	70-130	2	25
Bromobenzene	102	98	70-130	4	25
n-Butylbenzene	105	97	70-130	8	25
sec-Butylbenzene	103	97	70-130	6	25
tert-Butylbenzene	103	100	70-130	3	25
o-Chlorotoluene	102	97	70-130	5	25
p-Chlorotoluene	104	100	70-130	4	25
1,2-Dibromo-3-chloropropane	104	114	70-130	9	50
Hexachlorobutadiene	92	87	70-130	6	25
Isopropylbenzene	109	110	70-130	1	25
p-Isopropyltoluene	109	103	70-130	6	25
Naphthalene	105	102	70-130	3	25
n-Propylbenzene	104	98	70-130	6	25
1,2,3-Trichlorobenzene	101	95	70-130	6	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0705866

Project Number: 0061882

Report Date: 05/03/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-09 Batch: WG279032-1 WG279032-2					
1,2,4-Trichlorobenzene	97	93	70-130	4	25
1,3,5-Trimethylbenzene	106	100	70-130	6	25
1,2,4-Trimethylbenzene	107	99	70-130	8	25
Ethyl ether	102	105	70-130	3	25
Isopropyl Ether	100	99	70-130	1	25
Ethyl-Tert-Butyl-Ether	76	86	70-130	12	25
Tertiary-Amyl Methyl Ether	106	97	70-130	9	25
1,4-Dioxane	95	106	70-130	11	50

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		115		70-130
Toluene-d8	103		106		70-130
4-Bromofluorobenzene	98		95		70-130
Dibromofluoromethane	106		103		70-130

Project Name: RAYTHEON WAYLAND

Lab Number: L0705866

Project Number: 0061882

Report Date: 05/03/07

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0705866-01A	Vial HCl preserved	A	N/A	2.2C	Y	Absent	MCP-8260-04
L0705866-01B	Vial HCl preserved	A	N/A	2.2C	Y	Absent	MCP-8260-04
L0705866-02A	Vial Na ₂ S ₂ O ₃ preserved	A	N/A	2.2C	Y	Absent	MCP-8260-04
L0705866-02B	Vial Na ₂ S ₂ O ₃ preserved	A	N/A	2.2C	Y	Absent	MCP-8260-04
L0705866-03A	Vial HCl preserved	A	N/A	2.2C	Y	Absent	MCP-8260-04
L0705866-03B	Vial HCl preserved	A	N/A	2.2C	Y	Absent	MCP-8260-04
L0705866-04A	Vial Na ₂ S ₂ O ₃ preserved	A	N/A	2.2C	Y	Absent	MCP-8260-04
L0705866-04B	Vial Na ₂ S ₂ O ₃ preserved	A	N/A	2.2C	Y	Absent	MCP-8260-04
L0705866-05A	Vial Na ₂ S ₂ O ₃ preserved	A	N/A	2.2C	Y	Absent	MCP-8260-04
L0705866-05B	Vial Na ₂ S ₂ O ₃ preserved	A	N/A	2.2C	Y	Absent	MCP-8260-04
L0705866-06A	Vial HCl preserved	A	N/A	2.2C	Y	Absent	MCP-8260-04
L0705866-06B	Vial HCl preserved	A	N/A	2.2C	Y	Absent	MCP-8260-04
L0705866-07A	Vial HCl preserved	A	N/A	2.2C	Y	Absent	MCP-8260-04
L0705866-07B	Vial HCl preserved	A	N/A	2.2C	Y	Absent	MCP-8260-04
L0705866-08A	Vial HCl preserved	A	N/A	2.2C	Y	Absent	MCP-8260-04
L0705866-08B	Vial HCl preserved	A	N/A	2.2C	Y	Absent	MCP-8260-04
L0705866-09A	Vial HCl preserved	A	N/A	2.2C	Y	Absent	MCP-8260-04
L0705866-09B	Vial HCl preserved	A	N/A	2.2C	Y	Absent	MCP-8260-04

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0705866
Report Date: 05/03/07

GLOSSARY

Acronyms

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

Terms

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

Data Qualifiers

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

A - Spectra identified as "Aldol Condensation Product".

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

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

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

Report Format: Not Specified



Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0705866
Report Date: 05/03/07

REFERENCES

- 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-III A (Revision 5). May 2004.

LIMITATION OF LIABILITIES

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

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



05030715:26

#4

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 4/25

ALPHA Job #: L0705866



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

Project Information

Project Name: Raytheon Wayland
Project Location: Wayland, MA
Project #: 0061882
Project Manager: J. Picard
ALPHA Quote #:

Report Information - Data Deliverables

FAX EMAIL
 ADEX Add'l Deliverables

Billing Information

Same as Client info PC #:

Client Information

Client: ERM
Address: 399 Boylston St.
6th Floor Boston MA 02116
Phone: 617-646-7800
Fax: 617-267-6447
Email: jeremy.picard@erm.com

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)
Date Due: 05/02 Time:

Regulatory Requirements/Report Limits

State /Fed Program Criteria
MA / MCP 600-1

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTOCOLS

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

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

ANALYSIS
VOC: 202C 1MPE-8m2
VOC: 202C 1MPE-8m2

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

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Time	Sample Matrix	Sampler's Initials																
05866-01	MW-218S-20070424-01	4/24/07	840	GW	FP	X														2	
-02	MW-218D-20070424-01	4/24/07	935	GW	FP	X	X														2
-03	MW-218S-20070424-01	4/24/07	1035	GW	FP	X	X														2
-04	MW-218M-20070424-01	4/24/07	820	GN	BH	X	X														2
-05	DUP-209-20070424-01	4/24/07	240	GN	BH	X	X														2
-06	MW-217D-20070424-01	4/24/07	1010	GN	BH	X	X														2
-07	MW-217M-20070424-01	4/24/07	1115	GN	BH	X	X														2
-08	MW-221D-20070424-01	4/24/07	1135	GN	BH	X	X														2
-09	MW-221M-20070424-01	4/24/07	1450	GN	BH	X	X														2

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type
Preservative

BH

Relinquished By:

Paul Gillert

Date/Time

4/25/07 12:25
4/25/07 13:25

Received By:

Paul Gillert
Louise Paul

Date/Time

4/25/07 12:25
4/25 13:25

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.