

26 October 2007
Reference: 0061882

Ms. Paula Phillips
Congress Group
33 Arch Street
Boston, MA 02110



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

Dear Ms. Phillips:

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 58 wells on portions of the Site within the boundaries of your property between 1 and 4 October 2007. All samples were submitted for laboratory analysis of volatile organic compounds by United States Environmental Protection Agency (USEPA) Method 8260. A subset of the samples, (30 in total), was submitted for dissolved sodium analysis by USEPA Method 6010. Sample analysis was conducted by Alpha Woods Hole 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.

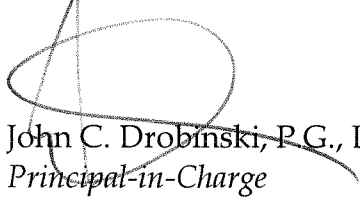
Raytheon has implemented the Public Involvement Process in accordance with MCP 310 CMR 40.1405. Documents pertaining to the Site can be found at the Board of Health, the Wayland Public Library Public Involvement Plan files, or at www.ermne.com (username = raytheon, password = wayland).

Ms. Phillips
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26 October 2007
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



Jeremy J. Picard, P.G.
Project Manager

Enclosures: BWSC-123 – Notice of Environmental Sampling
Alpha Woods Hole Laboratories 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: Congress Group
2. Street Address: 33 Arch Street
City/Town: Boston Zip Code: 02110

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

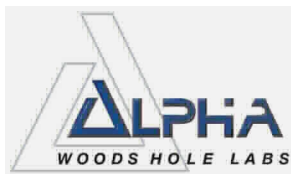
When environmental samples are taken as part of an investigation under the Massachusetts Contingency Plan at a property on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice 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: L0714839

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

ATTN: Jeremy Picard

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Report Date: 10/15/07

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: L0714839
Report Date: 10/15/07

Alpha Sample ID	Client ID	Sample Location
L0714839-01	MW-208S-20071004-01	WAYLAND, MA



Project Name: RAYTHEON WAYLAND

Lab Number: L0714839

Project Number: 0061882

Report Date: 10/15/07

MADEP MCP Response Action Analytical Report Certification

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

An affirmative response to questions A, B, C & D is required for "Presumptive Certainty" status		
A	Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set?	YES
B	Were all QA/QC procedures required for the specified analytical methods(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	YES
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	YES
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	N/A
A response to questions E and F is required for "Presumptive Certainty" status		
E	Were all QC performance standards and recommendations for the specified method(s) achieved?	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: L0714839
Report Date: 10/15/07

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

Sample Receipt

The samples were Field Filtered for Dissolved Metals only.

Volatile Organics

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.

Metals

In reference to question F:

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

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

Authorized Signature: 

Title: Technical Director/Representative

Date: 10/15/07

ORGANICS

VOLATILES

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714839**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714839-01
Client ID: MW-208S-20071004-01
Sample Location: WAYLAND, MA
Matrix: Water
Anaytical Method: 60,8260B
Analytical Date: 10/14/07 01:37
Analyst: RY

Date Collected: 10/04/07 12:10
Date Received: 10/05/07
Field Prep: Field Filtered

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	3.3		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	4.2		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
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714839**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714839-01

Date Collected: 10/04/07 12:10

Client ID: MW-208S-20071004-01

Date Received: 10/05/07

Sample Location: WAYLAND, MA

Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	106		70-130

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714839
Report Date: 10/15/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/13/07 19:13
Analyst: RY

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01 Batch: WG298125-3				
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: L0714839
Report Date: 10/15/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/13/07 19:13
Analyst: RY

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01 Batch: WG298125-3				
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: L0714839
Report Date: 10/15/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/13/07 19:13
Analyst: RY

Parameter	Result	Qualifier	Units	RDL
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Volatile Organics by MCP 8260B for sample(s): 01 Batch: WG298125-3

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
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1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714839

Project Number: 0061882

Report Date: 10/15/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01 Batch: WG298125-1 WG298125-2					
Methylene chloride	103	102	70-130	1	25
1,1-Dichloroethane	89	89	70-130	0	25
Chloroform	92	92	70-130	0	25
Carbon tetrachloride	84	83	70-130	1	25
1,2-Dichloropropane	88	89	70-130	1	25
Dibromochloromethane	82	83	70-130	1	25
1,1,2-Trichloroethane	90	88	70-130	2	25
Tetrachloroethene	89	92	70-130	3	25
Chlorobenzene	90	89	70-130	1	25
Trichlorofluoromethane	99	100	70-130	1	25
1,2-Dichloroethane	86	85	70-130	1	25
1,1,1-Trichloroethane	88	89	70-130	1	25
Bromodichloromethane	88	89	70-130	1	25
trans-1,3-Dichloropropene	82	85	70-130	4	25
cis-1,3-Dichloropropene	86	87	70-130	1	25
1,1-Dichloropropene	90	90	70-130	0	25
Bromoform	93	94	70-130	1	50
1,1,2,2-Tetrachloroethane	107	106	70-130	1	25
Benzene	88	88	70-130	0	25
Toluene	86	87	70-130	1	25
Ethylbenzene	90	89	70-130	1	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Lab Number: L0714839

Report Date: 10/15/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01 Batch: WG298125-1 WG298125-2					
Chloromethane	102	101	70-130	1	50
Bromomethane	90	93	70-130	3	50
Vinyl chloride	96	96	70-130	0	25
Chloroethane	93	95	70-130	2	25
1,1-Dichloroethene	94	92	70-130	2	25
trans-1,2-Dichloroethene	88	89	70-130	1	25
Trichloroethene	81	81	70-130	0	25
1,2-Dichlorobenzene	90	90	70-130	0	25
1,3-Dichlorobenzene	93	95	70-130	2	25
1,4-Dichlorobenzene	90	90	70-130	0	25
Methyl tert butyl ether	81	81	70-130	0	25
p/m-Xylene	94	93	70-130	1	25
o-Xylene	92	92	70-130	0	25
cis-1,2-Dichloroethene	91	90	70-130	1	25
Dibromomethane	87	88	70-130	1	25
1,2,3-Trichloropropane	101	101	70-130	0	25
Styrene	90	92	70-130	2	25
Dichlorodifluoromethane	120	119	70-130	1	50
Acetone	99	87	70-130	13	50
Carbon disulfide	85	85	70-130	0	25
2-Butanone	88	90	70-130	2	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Lab Number: L0714839

Report Date: 10/15/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01 Batch: WG298125-1 WG298125-2					
4-Methyl-2-pentanone	87	88	70-130	1	50
2-Hexanone	90	82	70-130	9	50
Bromochloromethane	91	90	70-130	1	25
Tetrahydrofuran	80	86	70-130	7	25
2,2-Dichloropropane	93	93	70-130	0	50
1,2-Dibromoethane	87	86	70-130	1	25
1,3-Dichloropropane	88	87	70-130	1	25
1,1,1,2-Tetrachloroethane	87	84	70-130	4	25
Bromobenzene	91	94	70-130	3	25
n-Butylbenzene	89	89	70-130	0	25
sec-Butylbenzene	90	92	70-130	2	25
tert-Butylbenzene	88	91	70-130	3	25
o-Chlorotoluene	87	90	70-130	3	25
p-Chlorotoluene	91	91	70-130	0	25
1,2-Dibromo-3-chloropropane	104	108	70-130	4	50
Hexachlorobutadiene	84	85	70-130	1	25
Isopropylbenzene	98	96	70-130	2	25
p-Isopropyltoluene	92	94	70-130	2	25
Naphthalene	87	87	70-130	0	25
n-Propylbenzene	90	91	70-130	1	25
1,2,3-Trichlorobenzene	89	92	70-130	3	25

Lab Control Sample Analysis Batch Quality Control

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714839
Report Date: 10/15/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01 Batch: WG298125-1 WG298125-2					
1,2,4-Trichlorobenzene	88	90	70-130	2	25
1,3,5-Trimethylbenzene	89	91	70-130	2	25
1,2,4-Trimethylbenzene	90	91	70-130	1	25
Ethyl ether	84	82	70-130	2	25
Isopropyl Ether	81	83	70-130	2	25
Ethyl-Tert-Butyl-Ether	81	81	70-130	0	25
Tertiary-Amyl Methyl Ether	80	80	70-130	0	25
1,4-Dioxane	87	97	70-130	11	50

Surrogate	LCS %Recovery Qualifier	LCSD %Recovery Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98	97	70-130
Toluene-d8	101	96	70-130
4-Bromofluorobenzene	99	95	70-130
Dibromofluoromethane	104	103	70-130



METALS



Project Name: RAYTHEON WAYLAND**Lab Number:** L0714839**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714839-01

Date Collected: 10/04/07 12:10

Client ID: MW-208S-20071004-01

Date Received: 10/05/07

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
Dissolved Metals by MCP 6000/7000 series										
Sodium, Dissolved	46		mg/l	2.0	1	10/12/07 14:30	10/12/07 16:53	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON WAYLAND

Lab Number: L0714839

Project Number: 0061882

Report Date: 10/15/07

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series for sample(s): 01 Batch: WG297904-1									
Sodium, Dissolved	ND		mg/l	2.0	1	10/12/07 14:30	10/12/07 16:39	60,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Lab Number: L0714839

Report Date: 10/15/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals by MCP 6000/7000 series Associated sample(s): 01 Batch: WG297904-2 WG297904-3					
Sodium, Dissolved	95	96	80-120	1	20

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714839**Project Number:** 0061882**Report Date:** 10/15/07**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
L0714839-01A	Vial HCl preserved	A	N/A	2C	Y	Absent	MCP-8260-04
L0714839-01B	Vial HCl preserved	A	N/A	2C	Y	Absent	MCP-8260-04
L0714839-01C	Plastic 500ml HNO3 preserved	A	<2	2C	Y	Absent	MCP-NA-6010S

Container Comments

L0714839-01A	Temp Probe
L0714839-01B	Temp Probe
L0714839-01C	Temp Probe

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714839
Report Date: 10/15/07

GLOSSARY

Acronyms

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

Terms

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

Data Qualifiers

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

- A - Spectra identified as "Aldol Condensation Product".
B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
J - Estimated value. The analyte was tentatively identified; the quantitation is an estimation. (Tentatively identified compounds only.)

Standard Qualifiers

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

Report Format: Not Specified



Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714839
Report Date: 10/15/07

REFERENCES

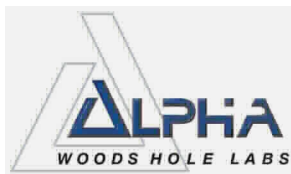
- 60 Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). May 2004.

LIMITATION OF LIABILITIES

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

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





ANALYTICAL REPORT

Lab Number: L0714756

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

ATTN: Jeremy Picard

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Report Date: 10/16/07

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: L0714756
Report Date: 10/16/07

Alpha Sample ID	Client ID	Sample Location
L0714756-01	MW-212M-20071003-01	WAYLAND, MA
L0714756-02	IP-17D-20071003-01	WAYLAND, MA
L0714756-03	IP-16S-20071003-01	WAYLAND, MA
L0714756-04	MW-405S-20071003-01	WAYLAND, MA
L0714756-05	MW-47S-20071003-01	WAYLAND, MA
L0714756-06	DUP-004-20071003-01	WAYLAND, MA
L0714756-07	MW-102-20071003-01	WAYLAND, MA
L0714756-08	MW-403-20071003-01	WAYLAND, MA
L0714756-09	MW-33M-20071003-01	WAYLAND, MA

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714756
Report Date: 10/16/07

MADEP MCP Response Action Analytical Report Certification

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

An affirmative response to questions A, B, C & D is required for "Presumptive Certainty" status		
A	Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set?	YES
B	Were all QA/QC procedures required for the specified analytical methods(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	YES
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	YES
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	N/A
A response to questions E and F is required for "Presumptive Certainty" status		
E	Were all QC performance standards and recommendations for the specified method(s) achieved?	NO
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	NO
For any questions answered "No", please refer to the case narrative section on the following page(s).		

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



Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714756
Report Date: 10/16/07

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

Sample Receipt

The samples were Field Filtered for Dissolved Metals only.

Volatile Organics

L0714756-06 was re-analyzed due to over dilution on the initial analysis. The results of the re-analysis are reported.

L0714756-06R was processed against a curve that utilized a quadratic fit for 1,4-Dioxane.

L0714756-07 has elevated detection limits due to the dilutions required by the elevated concentrations of non-target compounds in the sample.

L0714756-08 has elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the sample.

In reference to question E:

The WG298154-2 LCSD % recoveries for Dichlorodifluoromethane and Chloromethane are below the individual acceptance criteria for the compounds, but within the overall method allowances. Both are difficult analytes.

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.

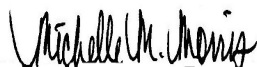
Metals

In reference to question F:

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

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

Authorized Signature:



Title: Technical Director/Representative

Date: 10/16/07

ORGANICS

VOLATILES

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714756**Project Number:** 0061882**Report Date:** 10/16/07**SAMPLE RESULTS**

Lab ID: L0714756-01
 Client ID: MW-212M-20071003-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/13/07 19:51
 Analyst: RY

Date Collected: 10/03/07 10:30
 Date Received: 10/04/07
 Field Prep: Field Filtered

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	0.62		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	4.6		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
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714756**Project Number:** 0061882**Report Date:** 10/16/07**SAMPLE RESULTS**

Lab ID: L0714756-01
 Client ID: MW-212M-20071003-01
 Sample Location: WAYLAND, MA

Date Collected: 10/03/07 10:30
 Date Received: 10/04/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	104		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714756**Project Number:** 0061882**Report Date:** 10/16/07**SAMPLE RESULTS**

Lab ID: L0714756-02
Client ID: IP-17D-20071003-01
Sample Location: WAYLAND, MA
Matrix: Water
Analytical Method: 60,8260B
Analytical Date: 10/13/07 20:30
Analyst: RY

Date Collected: 10/03/07 13:00
Date Received: 10/04/07
Field Prep: None

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	1.2		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	66		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	1.3		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714756**Project Number:** 0061882**Report Date:** 10/16/07**SAMPLE RESULTS**

Lab ID: L0714756-02
 Client ID: IP-17D-20071003-01
 Sample Location: WAYLAND, MA

Date Collected: 10/03/07 13:00
 Date Received: 10/04/07
 Field Prep: None

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	99		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	102		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714756**Project Number:** 0061882**Report Date:** 10/16/07**SAMPLE RESULTS**

Lab ID: L0714756-03
 Client ID: IP-16S-20071003-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/13/07 21:09
 Analyst: RY

Date Collected: 10/03/07 13:40
 Date Received: 10/04/07
 Field Prep: None

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	0.82		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
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714756**Project Number:** 0061882**Report Date:** 10/16/07**SAMPLE RESULTS**

Lab ID: L0714756-03
 Client ID: IP-16S-20071003-01
 Sample Location: WAYLAND, MA

Date Collected: 10/03/07 13:40
 Date Received: 10/04/07
 Field Prep: None

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	101		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	104		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714756**Project Number:** 0061882**Report Date:** 10/16/07**SAMPLE RESULTS**

Lab ID: L0714756-04
 Client ID: MW-405S-20071003-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/13/07 21:47
 Analyst: RY

Date Collected: 10/03/07 14:15
 Date Received: 10/04/07
 Field Prep: None

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
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
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714756**Project Number:** 0061882**Report Date:** 10/16/07**SAMPLE RESULTS**

Lab ID: L0714756-04
 Client ID: MW-405S-20071003-01
 Sample Location: WAYLAND, MA

Date Collected: 10/03/07 14:15
 Date Received: 10/04/07
 Field Prep: None

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	100		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	105		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714756**Project Number:** 0061882**Report Date:** 10/16/07**SAMPLE RESULTS**

Lab ID: L0714756-05
 Client ID: MW-47S-20071003-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/13/07 22:26
 Analyst: RY

Date Collected: 10/03/07 16:05
 Date Received: 10/04/07
 Field Prep: Field Filtered

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
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	0.66		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
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714756**Project Number:** 0061882**Report Date:** 10/16/07**SAMPLE RESULTS**

Lab ID: L0714756-05
 Client ID: MW-47S-20071003-01
 Sample Location: WAYLAND, MA

Date Collected: 10/03/07 16:05
 Date Received: 10/04/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	98		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	103		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714756**Project Number:** 0061882**Report Date:** 10/16/07**SAMPLE RESULTS**

Lab ID: L0714756-06 R
Client ID: DUP-004-20071003-01
Sample Location: WAYLAND, MA
Matrix: Water
Analytical Method: 60,8260B
Analytical Date: 10/15/07 14:09
Analyst: BS

Date Collected: 10/03/07 00:00
Date Received: 10/04/07
Field Prep: Field Filtered

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
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	0.53		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
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714756**Project Number:** 0061882**Report Date:** 10/16/07**SAMPLE RESULTS**

Lab ID: L0714756-06 R
 Client ID: DUP-004-20071003-01
 Sample Location: WAYLAND, MA

Date Collected: 10/03/07 00:00
 Date Received: 10/04/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	113		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	106		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714756**Project Number:** 0061882**Report Date:** 10/16/07**SAMPLE RESULTS**

Lab ID: L0714756-07
Client ID: MW-102-20071003-01
Sample Location: WAYLAND, MA
Matrix: Water
Analytical Method: 60,8260B
Analytical Date: 10/13/07 23:42
Analyst: RY

Date Collected: 10/03/07 10:35
Date Received: 10/04/07
Field Prep: None

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Methylene chloride	ND		ug/l	10	2
1,1-Dichloroethane	1.5		ug/l	1.5	2
Chloroform	1.7		ug/l	1.5	2
Carbon tetrachloride	ND		ug/l	1.0	2
1,2-Dichloropropane	ND		ug/l	3.5	2
Dibromochloromethane	ND		ug/l	1.0	2
1,1,2-Trichloroethane	ND		ug/l	1.5	2
Tetrachloroethene	ND		ug/l	1.0	2
Chlorobenzene	ND		ug/l	1.0	2
1,2-Dichloroethane	ND		ug/l	1.0	2
1,1,1-Trichloroethane	ND		ug/l	1.0	2
Bromodichloromethane	ND		ug/l	1.0	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	2
Bromoform	ND		ug/l	4.0	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	2
Chloromethane	ND		ug/l	5.0	2
Vinyl chloride	ND		ug/l	2.0	2
Chloroethane	ND		ug/l	2.0	2
1,1-Dichloroethene	ND		ug/l	1.0	2
trans-1,2-Dichloroethene	ND		ug/l	1.5	2
Trichloroethene	2.5		ug/l	1.0	2
1,2-Dichlorobenzene	ND		ug/l	5.0	2
1,3-Dichlorobenzene	ND		ug/l	5.0	2
1,4-Dichlorobenzene	ND		ug/l	5.0	2
cis-1,2-Dichloroethene	ND		ug/l	1.0	2
Dichlorodifluoromethane	ND		ug/l	10	2
2,2-Dichloropropane	ND		ug/l	5.0	2
1,2-Dibromoethane	ND		ug/l	4.0	2
1,3-Dichloropropane	ND		ug/l	5.0	2

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714756**Project Number:** 0061882**Report Date:** 10/16/07**SAMPLE RESULTS**

Lab ID: L0714756-07
 Client ID: MW-102-20071003-01
 Sample Location: WAYLAND, MA

Date Collected: 10/03/07 10:35
 Date Received: 10/04/07
 Field Prep: None

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	2
o-Chlorotoluene	ND		ug/l	5.0	2
p-Chlorotoluene	ND		ug/l	5.0	2
Hexachlorobutadiene	ND		ug/l	1.2	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	105		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714756**Project Number:** 0061882**Report Date:** 10/16/07**SAMPLE RESULTS**

Lab ID: L0714756-08
 Client ID: MW-403-20071003-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/14/07 00:20
 Analyst: RY

Date Collected: 10/03/07 10:15
 Date Received: 10/04/07
 Field Prep: None

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	7.2		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	200		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	8.5		ug/l	2.5	5
Dichlorodifluoromethane	ND		ug/l	25	5
2,2-Dichloropropane	ND		ug/l	12	5
1,2-Dibromoethane	ND		ug/l	10	5
1,3-Dichloropropane	ND		ug/l	12	5

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714756**Project Number:** 0061882**Report Date:** 10/16/07**SAMPLE RESULTS**

Lab ID: L0714756-08
 Client ID: MW-403-20071003-01
 Sample Location: WAYLAND, MA

Date Collected: 10/03/07 10:15
 Date Received: 10/04/07
 Field Prep: None

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	5
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	101		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	103		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714756**Project Number:** 0061882**Report Date:** 10/16/07**SAMPLE RESULTS**

Lab ID: L0714756-09
 Client ID: MW-33M-20071003-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/14/07 00:59
 Analyst: RY

Date Collected: 10/03/07 09:20
 Date Received: 10/04/07
 Field Prep: Field Filtered

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
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	8.9		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	2.5		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714756**Project Number:** 0061882**Report Date:** 10/16/07**SAMPLE RESULTS**

Lab ID: L0714756-09
 Client ID: MW-33M-20071003-01
 Sample Location: WAYLAND, MA

Date Collected: 10/03/07 09:20
 Date Received: 10/04/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	97		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	103		70-130

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714756
Report Date: 10/16/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/13/07 19:13
Analyst: RY

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-05,07-09 Batch: WG298125-3				
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: L0714756
Report Date: 10/16/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/13/07 19:13
Analyst: RY

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-05,07-09 Batch: WG298125-3				
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

Lab Number: L0714756

Project Number: 0061882

Report Date: 10/16/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
 Analytical Date: 10/13/07 19:13
 Analyst: RY

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-05,07-09 Batch: WG298125-3				
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	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	104		70-130

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714756
Report Date: 10/16/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/15/07 12:51
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 06 Batch: WG298154-3				
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: L0714756
Report Date: 10/16/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/15/07 12:51
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 06 Batch: WG298154-3				
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: L0714756
Report Date: 10/16/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/15/07 12:51
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
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Volatile Organics by MCP 8260B for sample(s): 06 Batch: WG298154-3

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
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1,2-Dichloroethane-d4	113		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	107		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714756

Project Number: 0061882

Report Date: 10/16/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-05,07-09 Batch: WG298125-1 WG298125-2					
Methylene chloride	103	102	70-130	1	25
1,1-Dichloroethane	89	89	70-130	0	25
Chloroform	92	92	70-130	0	25
Carbon tetrachloride	84	83	70-130	1	25
1,2-Dichloropropane	88	89	70-130	1	25
Dibromochloromethane	82	83	70-130	1	25
1,1,2-Trichloroethane	90	88	70-130	2	25
Tetrachloroethene	89	92	70-130	3	25
Chlorobenzene	90	89	70-130	1	25
Trichlorofluoromethane	99	100	70-130	1	25
1,2-Dichloroethane	86	85	70-130	1	25
1,1,1-Trichloroethane	88	89	70-130	1	25
Bromodichloromethane	88	89	70-130	1	25
trans-1,3-Dichloropropene	82	85	70-130	4	25
cis-1,3-Dichloropropene	86	87	70-130	1	25
1,1-Dichloropropene	90	90	70-130	0	25
Bromoform	93	94	70-130	1	50
1,1,2,2-Tetrachloroethane	107	106	70-130	1	25
Benzene	88	88	70-130	0	25
Toluene	86	87	70-130	1	25
Ethylbenzene	90	89	70-130	1	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714756

Project Number: 0061882

Report Date: 10/16/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-05,07-09 Batch: WG298125-1 WG298125-2					
Chloromethane	102	101	70-130	1	50
Bromomethane	90	93	70-130	3	50
Vinyl chloride	96	96	70-130	0	25
Chloroethane	93	95	70-130	2	25
1,1-Dichloroethene	94	92	70-130	2	25
trans-1,2-Dichloroethene	88	89	70-130	1	25
Trichloroethene	81	81	70-130	0	25
1,2-Dichlorobenzene	90	90	70-130	0	25
1,3-Dichlorobenzene	93	95	70-130	2	25
1,4-Dichlorobenzene	90	90	70-130	0	25
Methyl tert butyl ether	81	81	70-130	0	25
p/m-Xylene	94	93	70-130	1	25
o-Xylene	92	92	70-130	0	25
cis-1,2-Dichloroethene	91	90	70-130	1	25
Dibromomethane	87	88	70-130	1	25
1,2,3-Trichloropropane	101	101	70-130	0	25
Styrene	90	92	70-130	2	25
Dichlorodifluoromethane	120	119	70-130	1	50
Acetone	99	87	70-130	13	50
Carbon disulfide	85	85	70-130	0	25
2-Butanone	88	90	70-130	2	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Lab Number: L0714756

Report Date: 10/16/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-05,07-09 Batch: WG298125-1 WG298125-2					
4-Methyl-2-pentanone	87	88	70-130	1	50
2-Hexanone	90	82	70-130	9	50
Bromochloromethane	91	90	70-130	1	25
Tetrahydrofuran	80	86	70-130	7	25
2,2-Dichloropropane	93	93	70-130	0	50
1,2-Dibromoethane	87	86	70-130	1	25
1,3-Dichloropropane	88	87	70-130	1	25
1,1,1,2-Tetrachloroethane	87	84	70-130	4	25
Bromobenzene	91	94	70-130	3	25
n-Butylbenzene	89	89	70-130	0	25
sec-Butylbenzene	90	92	70-130	2	25
tert-Butylbenzene	88	91	70-130	3	25
o-Chlorotoluene	87	90	70-130	3	25
p-Chlorotoluene	91	91	70-130	0	25
1,2-Dibromo-3-chloropropane	104	108	70-130	4	50
Hexachlorobutadiene	84	85	70-130	1	25
Isopropylbenzene	98	96	70-130	2	25
p-Isopropyltoluene	92	94	70-130	2	25
Naphthalene	87	87	70-130	0	25
n-Propylbenzene	90	91	70-130	1	25
1,2,3-Trichlorobenzene	89	92	70-130	3	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714756

Project Number: 0061882

Report Date: 10/16/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-05,07-09 Batch: WG298125-1 WG298125-2					
1,2,4-Trichlorobenzene	88	90	70-130	2	25
1,3,5-Trimethylbenzene	89	91	70-130	2	25
1,2,4-Trimethylbenzene	90	91	70-130	1	25
Ethyl ether	84	82	70-130	2	25
Isopropyl Ether	81	83	70-130	2	25
Ethyl-Tert-Butyl-Ether	81	81	70-130	0	25
Tertiary-Amyl Methyl Ether	80	80	70-130	0	25
1,4-Dioxane	87	97	70-130	11	50

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		97		70-130
Toluene-d8	101		96		70-130
4-Bromofluorobenzene	99		95		70-130
Dibromofluoromethane	104		103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714756

Project Number: 0061882

Report Date: 10/16/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 06 Batch: WG298154-1 WG298154-2					
Methylene chloride	90	87	70-130	3	25
1,1-Dichloroethane	94	90	70-130	4	25
Chloroform	98	93	70-130	5	25
Carbon tetrachloride	116	108	70-130	7	25
1,2-Dichloropropane	92	89	70-130	3	25
Dibromochloromethane	102	98	70-130	4	25
1,1,2-Trichloroethane	90	91	70-130	1	25
Tetrachloroethene	109	103	70-130	6	25
Chlorobenzene	98	94	70-130	4	25
Trichlorofluoromethane	122	111	70-130	9	25
1,2-Dichloroethane	108	103	70-130	5	25
1,1,1-Trichloroethane	112	104	70-130	7	25
Bromodichloromethane	103	99	70-130	4	25
trans-1,3-Dichloropropene	98	93	70-130	5	25
cis-1,3-Dichloropropene	98	94	70-130	4	25
1,1-Dichloropropene	99	93	70-130	6	25
Bromoform	107	102	70-130	5	50
1,1,2,2-Tetrachloroethane	88	86	70-130	2	25
Benzene	95	89	70-130	7	25
Toluene	96	90	70-130	6	25
Ethylbenzene	100	95	70-130	5	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714756

Project Number: 0061882

Report Date: 10/16/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 06 Batch: WG298154-1 WG298154-2					
Chloromethane	72	68	70-130	6	50
Bromomethane	78	79	70-130	1	50
Vinyl chloride	80	76	70-130	5	25
Chloroethane	102	93	70-130	9	25
1,1-Dichloroethene	101	96	70-130	5	25
trans-1,2-Dichloroethene	94	90	70-130	4	25
Trichloroethene	102	97	70-130	5	25
1,2-Dichlorobenzene	99	93	70-130	6	25
1,3-Dichlorobenzene	102	96	70-130	6	25
1,4-Dichlorobenzene	100	95	70-130	5	25
Methyl tert butyl ether	95	95	70-130	0	25
p/m-Xylene	102	97	70-130	5	25
o-Xylene	105	100	70-130	5	25
cis-1,2-Dichloroethene	95	91	70-130	4	25
Dibromomethane	103	102	70-130	1	25
1,2,3-Trichloropropane	102	97	70-130	5	25
Styrene	106	100	70-130	6	25
Dichlorodifluoromethane	74	67	70-130	10	50
Acetone	110	114	70-130	4	50
Carbon disulfide	100	92	70-130	8	25
2-Butanone	98	100	70-130	2	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714756

Project Number: 0061882

Report Date: 10/16/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 06 Batch: WG298154-1 WG298154-2					
4-Methyl-2-pentanone	91	92	70-130	1	50
2-Hexanone	89	94	70-130	5	50
Bromochloromethane	99	97	70-130	2	25
Tetrahydrofuran	94	87	70-130	8	25
2,2-Dichloropropane	116	109	70-130	6	50
1,2-Dibromoethane	95	95	70-130	0	25
1,3-Dichloropropane	94	89	70-130	5	25
1,1,1,2-Tetrachloroethane	106	101	70-130	5	25
Bromobenzene	100	94	70-130	6	25
n-Butylbenzene	103	96	70-130	7	25
sec-Butylbenzene	106	97	70-130	9	25
tert-Butylbenzene	106	97	70-130	9	25
o-Chlorotoluene	98	92	70-130	6	25
p-Chlorotoluene	99	91	70-130	8	25
1,2-Dibromo-3-chloropropane	88	86	70-130	2	50
Hexachlorobutadiene	89	83	70-130	7	25
Isopropylbenzene	115	107	70-130	7	25
p-Isopropyltoluene	109	101	70-130	8	25
Naphthalene	79	80	70-130	1	25
n-Propylbenzene	102	96	70-130	6	25
1,2,3-Trichlorobenzene	87	86	70-130	1	25

Lab Control Sample Analysis Batch Quality Control

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714756
Report Date: 10/16/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 06 Batch: WG298154-1 WG298154-2					
1,2,4-Trichlorobenzene	90	87	70-130	3	25
1,3,5-Trimethylbenzene	104	96	70-130	8	25
1,2,4-Trimethylbenzene	105	97	70-130	8	25
Ethyl ether	98	99	70-130	1	25
Isopropyl Ether	90	88	70-130	2	25
Ethyl-Tert-Butyl-Ether	92	81	70-130	13	25
Tertiary-Amyl Methyl Ether	95	93	70-130	2	25
1,4-Dioxane	111	120	70-130	8	50

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		110		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	97		96		70-130
Dibromofluoromethane	107		104		70-130



Matrix Spike Analysis Batch Quality Control

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714756
Report Date: 10/16/07

Parameter	Native Sample	MS Added	MS Found	MS		MSD		Recovery Limits	RPD	RPD Limits
				%Recovery	MSD Found	%Recovery				
Volatile Organics by MCP 8260B Associated sample(s): 01-05,07-09 QC Batch ID: WG298125-4 WG298125-5 QC Sample: L0714756-01 Client ID: MW-212M-20071003-01										
Methylene chloride	ND	10	9.7	97	9.6	96	70-130	1	30	
1,1-Dichloroethane	ND	10	10	101	9.9	99	70-130	2	30	
Chloroform	ND	10	11	107	11	107	70-130	0	30	
Carbon tetrachloride	ND	10	12	120	12	124	70-130	3	30	
1,2-Dichloropropane	ND	10	10	100	10	101	70-130	1	30	
Dibromochloromethane	ND	10	10	101	9.6	96	70-130	5	30	
1,1,2-Trichloroethane	ND	10	9.4	94	8.9	89	70-130	5	30	
Tetrachloroethene	0.62	10	11	107	11	104	70-130	3	30	
Chlorobenzene	ND	10	10	103	9.8	98	70-130	5	30	
1,2-Dichloroethane	ND	10	12	117	12	115	70-130	2	30	
1,1,1-Trichloroethane	ND	10	12	120	12	118	70-130	2	30	
Bromodichloromethane	ND	10	11	109	11	112	70-130	3	30	
trans-1,3-Dichloropropene	ND	10	9.0	90	8.8	88	70-130	2	30	
cis-1,3-Dichloropropene	ND	10	9.9	99	10	100	70-130	1	30	
Bromoform	ND	10	9.7	97	9.9	99	70-130	2	30	
1,1,2,2-Tetrachloroethane	ND	10	8.4	84	8.7	87	70-130	4	30	
Chloromethane	ND	10	9.1	91	9.5	95	70-130	4	30	
Vinyl chloride	ND	10	9.7	97	9.8	98	70-130	1	30	
Chloroethane	ND	10	12	119	12	118	70-130	1	30	
1,1-Dichloroethene	ND	10	11	111	11	109	70-130	2	30	
trans-1,2-Dichloroethene	ND	10	10	102	10	100	70-130	2	30	

Matrix Spike Analysis Batch Quality Control

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714756
Report Date: 10/16/07

Parameter	Native Sample	MS Added	MS Found	MS		MSD		Recovery Limits	RPD	RPD Limits
				%Recovery	MSD Found	%Recovery	MSD Found			
Volatile Organics by MCP 8260B Associated sample(s): 01-05,07-09 QC Batch ID: WG298125-4 WG298125-5 QC Sample: L0714756-01 Client ID: MW-212M-20071003-01										
Trichloroethene	4.6	10	16	118	16	115	70-130	3	30	
1,2-Dichlorobenzene	ND	10	9.8	98	9.9	99	70-130	1	30	
1,3-Dichlorobenzene	ND	10	9.9	99	10	101	70-130	2	30	
1,4-Dichlorobenzene	ND	10	10	101	10	100	70-130	1	30	
cis-1,2-Dichloroethene	ND	10	11	107	11	107	70-130	0	30	
Dichlorodifluoromethane	ND	10	11	110	12	119	70-130	8	30	
2,2-Dichloropropane	ND	10	10	104	10	105	70-130	1	30	
1,2-Dibromoethane	ND	10	9.5	95	9.5	95	70-130	0	30	
1,3-Dichloropropane	ND	10	9.3	93	8.9	89	70-130	4	30	
1,1,1,2-Tetrachloroethane	ND	10	11	110	10	104	70-130	6	30	
o-Chlorotoluene	ND	10	9.4	94	9.4	94	70-130	0	30	
p-Chlorotoluene	ND	10	9.5	95	9.4	94	70-130	1	30	
Hexachlorobutadiene	ND	10	8.2	82	8.2	82	70-130	0	30	
1,2,4-Trichlorobenzene	ND	10	8.8	88	9.0	90	70-130	2	30	

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
1,2-Dichloroethane-d4	110		110		70-130
4-Bromofluorobenzene	92		96		70-130
Dibromofluoromethane	108		111		70-130
Toluene-d8	92		91		70-130

METALS



Project Name: RAYTHEON WAYLAND**Lab Number:** L0714756**Project Number:** 0061882**Report Date:** 10/16/07**SAMPLE RESULTS**

Lab ID: L0714756-01

Date Collected: 10/03/07 10:30

Client ID: MW-212M-20071003-01

Date Received: 10/04/07

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
Dissolved Metals by MCP 6000/7000 series										
Sodium, Dissolved	150		mg/l	2.0	1	10/08/07 16:30	10/09/07 19:00	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON WAYLAND**Lab Number:** L0714756**Project Number:** 0061882**Report Date:** 10/16/07**SAMPLE RESULTS**

Lab ID: L0714756-05

Date Collected: 10/03/07 16:05

Client ID: MW-47S-20071003-01

Date Received: 10/04/07

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
Dissolved Metals by MCP 6000/7000 series										
Sodium, Dissolved	32		mg/l	2.0	1	10/08/07 16:30	10/09/07 19:18	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON WAYLAND**Lab Number:** L0714756**Project Number:** 0061882**Report Date:** 10/16/07**SAMPLE RESULTS**

Lab ID: L0714756-06

Date Collected: 10/03/07 00:00

Client ID: DUP-004-20071003-01

Date Received: 10/04/07

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
Dissolved Metals by MCP 6000/7000 series										
Sodium, Dissolved	34		mg/l	2.0	1	10/08/07 16:30	10/09/07 19:45	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON WAYLAND**Lab Number:** L0714756**Project Number:** 0061882**Report Date:** 10/16/07**SAMPLE RESULTS**

Lab ID: L0714756-09

Date Collected: 10/03/07 09:20

Client ID: MW-33M-20071003-01

Date Received: 10/04/07

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
Dissolved Metals by MCP 6000/7000 series										
Sodium, Dissolved	14		mg/l	2.0	1	10/08/07 16:30	10/09/07 19:49	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON WAYLAND

Lab Number: L0714756

Project Number: 0061882

Report Date: 10/16/07

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series for sample(s): 01,05-06,09 Batch: WG297219-3									
Sodium, Dissolved	ND		mg/l	2.0	1	10/08/07 16:30	10/09/07 18:43	60,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714756

Project Number: 0061882

Report Date: 10/16/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals by MCP 6000/7000 series Associated sample(s): 01,05-06,09 Batch: WG297219-4 WG297219-5					
Sodium, Dissolved	97	96	80-120	1	20

Matrix Spike Analysis Batch Quality Control

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714756
Report Date: 10/16/07

Parameter	Native Sample	MS Added	MS Found	MS		MSD		Recovery	
				%Recovery	MSD Found	%Recovery	Limits	RPD	RPD Limits
Dissolved Metals by MCP 6000/7000 series Associated sample(s): 01,05-06,09 QC Batch ID: WG297219-1 WG297219-2 QC Sample: L0714756-01 Client ID: MW-212M-20071003-01									
Sodium, Dissolved	150	10	160	100	160	100	75-125	0	20

Project Name: RAYTHEON WAYLAND

Lab Number: L0714756

Project Number: 0061882

Report Date: 10/16/07

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
L0714756-01A	Vial HCl preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714756-01B	Vial HCl preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714756-01C	Vial HCl preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714756-01D	Vial HCl preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714756-01E	Vial HCl preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714756-01F	Vial HCl preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714756-01G	Plastic 500ml HNO3 preserved	A	<2	2.4C	Y	Absent	MCP-NA-6010S
L0714756-01H	Plastic 500ml HNO3 preserved	A	<2	2.4C	Y	Absent	MCP-NA-6010S
L0714756-01I	Plastic 500ml HNO3 preserved	A	<2	2.4C	Y	Absent	MCP-NA-6010S
L0714756-02A	Vial Na2S2O3 preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714756-02B	Vial Na2S2O3 preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714756-03A	Vial Na2S2O3 preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714756-03B	Vial Na2S2O3 preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714756-04A	Vial Na2S2O3 preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714756-04B	Vial Na2S2O3 preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714756-05A	Vial HCl preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714756-05B	Vial HCl preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714756-05C	Plastic 500ml HNO3 preserved	A	<2	2.4C	Y	Absent	MCP-NA-6010S
L0714756-06A	Vial HCl preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714756-06B	Vial HCl preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714756-06C	Plastic 500ml HNO3 preserved	A	<2	2.4C	Y	Absent	MCP-NA-6010S
L0714756-07A	Vial Na2S2O3 preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714756-07B	Vial Na2S2O3 preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714756-08A	Vial Na2S2O3 preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714756-08B	Vial Na2S2O3 preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714756-09A	Vial HCl preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714756-09B	Vial HCl preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714756-09C	Plastic 500ml HNO3 preserved	A	<2	2.4C	Y	Absent	MCP-NA-6010S

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714756
Report Date: 10/16/07

GLOSSARY

Acronyms

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

Terms

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

Data Qualifiers

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

A - Spectra identified as "Aldol Condensation Product".

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

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

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

Standard Qualifiers

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

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714756
Report Date: 10/16/07

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-IIIA (Revision 5). May 2004.

LIMITATION OF LIABILITIES

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

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





CHAIN OF CUSTODY

PAGE 1 OF 1

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

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

Client Information

Client: **ERW**

Address: **399 Kayslsth St 4th Floor
Boston MA 02116**

Phone: **617 646-7800**

Fax: **617 267 6446**

Email: **jeremy.pillard@erw.com**

Other Project Specific Requirements/Comments/Detection Limits:

Project Information

Project Name: **Raytheon Wayland**

Project Location: **Wayland MA**

Project #: **0061582**

Project Manager: **J. Picard**

ALPHA Quote #:

Turn-Around Time

Standard

RUSH (only confirmed if pre-approved)

Date Due: **10/11/07**

Time:

Date Rec'd in Lab: **10/9/07**

Report Information - Data Deliverables

FAX EMAIL

WADEx Add'l Deliverables

Regulatory Requirements/Report Limits

State / Fed Program **MA** Criteria **GW-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?

ALPHA Job #: **071456**

Billing Information

Same as Client info PO #:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS	SAMPLE HANDLING	Sample Specific Comments
11356-01	MW-212M-20071003-01	10/3/07	10:30	GW	LR	8021c by 8260	<input type="checkbox"/> Filtration <input type="checkbox"/> Done <input type="checkbox"/> Not needed <input type="checkbox"/> Lab to do <input type="checkbox"/> Preservation <input type="checkbox"/> Lab to do (Please specify below)	ms/msd
-02	MW-170-20071003-01	10/3/07	13:00	GW	LR	Diss Na		
-03	1P-165-20071003-01	10/3/07	13:40	GW	LR	8021c by 8260		
-04	MW-405S-20071003-01	10/3/07	14:15	GW	LR			
-05	MW-475-20071003-01	10/3/07	16:05	GW	HEA			
-06	DUP-004-20071003-01	10/3/07	24:00	GW	HEA			
-07	MW-102-20071003-01	10/3/07	10:35	GW	HEA			
-08	MW-403-20071003-01	10/3/07	10:15	GW	HEA			
-09	MW-33M-20071003-01	10/3/07	09:20	GW	HEA			

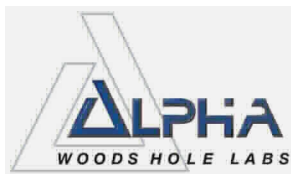
PLEASE ANSWER QUESTIONS ABOVE!

Container Type	Date/Time	Received By:	Date/Time
Preservative		VPY	
		BEH	

IS YOUR PROJECT MA MCP or CT RCP?

Requested By: **David Beck** Date/Time: **10/9/07 11:25** Received By: **David Beck** Date/Time: **10/9/07 11:45**

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



ANALYTICAL REPORT

Lab Number: L0714754

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

ATTN: Jeremy Picard

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Report Date: 10/14/07

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: L0714754
Report Date: 10/14/07

Alpha Sample ID	Client ID	Sample Location
L0714754-01	MW-210-20071003-01	WAYLAND, MA
L0714754-02	MW-105-20071003-01	WAYLAND, MA
L0714754-03	MW-105M-20071003-01	WAYLAND, MA
L0714754-04	MW-211-20071003-01	WAYLAND, MA
L0714754-05	TB-001-20071003-01	WAYLAND, MA

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714754
Report Date: 10/14/07

MADEP MCP Response Action Analytical Report Certification

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

An affirmative response to questions A, B, C & D is required for "Presumptive Certainty" status		
A	Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set?	YES
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	YES
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	YES
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	N/A
A response to questions E and F is required for "Presumptive Certainty" status		
E	Were all QC performance standards and recommendations for the specified method(s) achieved?	NO
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	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: L0714754
Report Date: 10/14/07

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

Sample Receipt

The samples were Field Filtered for Dissolved Metals only.

Volatile Organics

In reference to question E:

The WG297898-4/5 LCSD % recovery for Dichlorodifluoromethane, a difficult analyte, is below the individual acceptance criteria for the compound, but within the overall method allowances.

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.

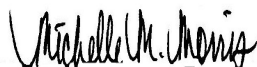
Metals

In reference to question F:

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

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

Authorized Signature:



Title: Technical Director/Representative

Date: 10/14/07

ORGANICS

VOLATILES

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714754**Project Number:** 0061882**Report Date:** 10/14/07**SAMPLE RESULTS**

Lab ID: L0714754-01
 Client ID: MW-210-20071003-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/12/07 14:22
 Analyst: BS

Date Collected: 10/03/07 14:00
 Date Received: 10/04/07
 Field Prep: Field Filtered

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	1.3		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	11		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	1.2		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714754**Project Number:** 0061882**Report Date:** 10/14/07**SAMPLE RESULTS**

Lab ID: L0714754-01

Date Collected: 10/03/07 14:00

Client ID: MW-210-20071003-01

Date Received: 10/04/07

Sample Location: WAYLAND, MA

Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	94		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	95		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714754**Project Number:** 0061882**Report Date:** 10/14/07**SAMPLE RESULTS**

Lab ID: L0714754-02
Client ID: MW-105-20071003-01
Sample Location: WAYLAND, MA
Matrix: Water
Analytical Method: 60,8260B
Analytical Date: 10/12/07 15:01
Analyst: BS

Date Collected: 10/03/07 15:10
Date Received: 10/04/07
Field Prep: None

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
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	2.4		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	2.7		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714754**Project Number:** 0061882**Report Date:** 10/14/07**SAMPLE RESULTS**

Lab ID: L0714754-02
 Client ID: MW-105-20071003-01
 Sample Location: WAYLAND, MA

Date Collected: 10/03/07 15:10
 Date Received: 10/04/07
 Field Prep: None

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	95		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	99		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714754**Project Number:** 0061882**Report Date:** 10/14/07**SAMPLE RESULTS**

Lab ID: L0714754-03
Client ID: MW-105M-20071003-01
Sample Location: WAYLAND, MA
Matrix: Water
Analytical Method: 60,8260B
Analytical Date: 10/12/07 15:40
Analyst: BS

Date Collected: 10/03/07 15:40
Date Received: 10/04/07
Field Prep: None

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	0.90		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	1.5		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	1.5		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714754**Project Number:** 0061882**Report Date:** 10/14/07**SAMPLE RESULTS**

Lab ID: L0714754-03
 Client ID: MW-105M-20071003-01
 Sample Location: WAYLAND, MA

Date Collected: 10/03/07 15:40
 Date Received: 10/04/07
 Field Prep: None

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	97		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	102		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714754**Project Number:** 0061882**Report Date:** 10/14/07**SAMPLE RESULTS**

Lab ID: L0714754-04
Client ID: MW-211-20071003-01
Sample Location: WAYLAND, MA
Matrix: Water
Analytical Method: 60,8260B
Analytical Date: 10/12/07 16:19
Analyst: BS

Date Collected: 10/03/07 14:40
Date Received: 10/04/07
Field Prep: Field Filtered

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	2.0		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	0.75		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714754**Project Number:** 0061882**Report Date:** 10/14/07**SAMPLE RESULTS**

Lab ID: L0714754-04
 Client ID: MW-211-20071003-01
 Sample Location: WAYLAND, MA

Date Collected: 10/03/07 14:40
 Date Received: 10/04/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	96		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	102		70-130

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714754
Report Date: 10/14/07

SAMPLE RESULTS

Lab ID: L0714754-05
 Client ID: TB-001-20071003-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/12/07 16:58
 Analyst: BS

Date Collected: 09/28/07 13:10
 Date Received: 10/04/07
 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
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
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714754**Project Number:** 0061882**Report Date:** 10/14/07**SAMPLE RESULTS**

Lab ID: L0714754-05
 Client ID: TB-001-20071003-01
 Sample Location: WAYLAND, MA

Date Collected: 09/28/07 13:10
 Date Received: 10/04/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	96		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714754
Report Date: 10/14/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/12/07 11:07
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-05 Batch: WG297898-6				
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: L0714754
Report Date: 10/14/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/12/07 11:07
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-05 Batch: WG297898-6				
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: L0714754
Report Date: 10/14/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/12/07 11:07
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-05 Batch: WG297898-6				
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	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714754

Project Number: 0061882

Report Date: 10/14/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-05 Batch: WG297898-4 WG297898-5					
Methylene chloride	100	107	70-130	7	25
1,1-Dichloroethane	101	92	70-130	9	25
Chloroform	101	94	70-130	7	25
Carbon tetrachloride	108	96	70-130	12	25
1,2-Dichloropropane	99	95	70-130	4	25
Dibromochloromethane	99	93	70-130	6	25
1,1,2-Trichloroethane	99	97	70-130	2	25
Tetrachloroethene	109	97	70-130	12	25
Chlorobenzene	102	94	70-130	8	25
Trichlorofluoromethane	103	90	70-130	13	25
1,2-Dichloroethane	95	95	70-130	0	25
1,1,1-Trichloroethane	102	92	70-130	10	25
Bromodichloromethane	98	97	70-130	1	25
trans-1,3-Dichloropropene	100	97	70-130	3	25
cis-1,3-Dichloropropene	102	97	70-130	5	25
1,1-Dichloropropene	108	93	70-130	15	25
Bromoform	107	107	70-130	0	50
1,1,2,2-Tetrachloroethane	106	107	70-130	1	25
Benzene	102	94	70-130	8	25
Toluene	103	94	70-130	9	25
Ethylbenzene	105	95	70-130	10	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714754

Project Number: 0061882

Report Date: 10/14/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-05 Batch: WG297898-4 WG297898-5					
Chloromethane	98	83	70-130	17	50
Bromomethane	103	93	70-130	10	50
Vinyl chloride	98	82	70-130	18	25
Chloroethane	102	89	70-130	14	25
1,1-Dichloroethene	105	92	70-130	13	25
trans-1,2-Dichloroethene	109	95	70-130	14	25
Trichloroethene	100	88	70-130	13	25
1,2-Dichlorobenzene	98	94	70-130	4	25
1,3-Dichlorobenzene	106	96	70-130	10	25
1,4-Dichlorobenzene	102	95	70-130	7	25
Methyl tert butyl ether	96	94	70-130	2	25
p/m-Xylene	109	99	70-130	10	25
o-Xylene	108	100	70-130	8	25
cis-1,2-Dichloroethene	105	98	70-130	7	25
Dibromomethane	99	97	70-130	2	25
1,2,3-Trichloropropane	103	106	70-130	3	25
Styrene	108	101	70-130	7	25
Dichlorodifluoromethane	78	69	70-130	12	50
Acetone	90	89	70-130	1	50
Carbon disulfide	96	81	70-130	17	25
2-Butanone	93	94	70-130	1	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714754

Project Number: 0061882

Report Date: 10/14/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-05 Batch: WG297898-4 WG297898-5					
4-Methyl-2-pentanone	97	107	70-130	10	50
2-Hexanone	98	100	70-130	2	50
Bromochloromethane	101	98	70-130	3	25
Tetrahydrofuran	96	96	70-130	0	25
2,2-Dichloropropane	109	99	70-130	10	50
1,2-Dibromoethane	98	98	70-130	0	25
1,3-Dichloropropane	98	96	70-130	2	25
1,1,1,2-Tetrachloroethane	101	95	70-130	6	25
Bromobenzene	101	95	70-130	6	25
n-Butylbenzene	110	96	70-130	14	25
sec-Butylbenzene	111	96	70-130	14	25
tert-Butylbenzene	107	96	70-130	11	25
o-Chlorotoluene	101	94	70-130	7	25
p-Chlorotoluene	106	97	70-130	9	25
1,2-Dibromo-3-chloropropane	109	112	70-130	3	50
Hexachlorobutadiene	104	97	70-130	7	25
Isopropylbenzene	114	102	70-130	11	25
p-Isopropyltoluene	112	99	70-130	12	25
Naphthalene	98	97	70-130	1	25
n-Propylbenzene	108	96	70-130	12	25
1,2,3-Trichlorobenzene	98	98	70-130	0	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714754

Project Number: 0061882

Report Date: 10/14/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-05 Batch: WG297898-4 WG297898-5					
1,2,4-Trichlorobenzene	102	98	70-130	4	25
1,3,5-Trimethylbenzene	104	94	70-130	10	25
1,2,4-Trimethylbenzene	103	96	70-130	7	25
Ethyl ether	93	91	70-130	2	25
Isopropyl Ether	93	91	70-130	2	25
Ethyl-Tert-Butyl-Ether	97	96	70-130	1	25
Tertiary-Amyl Methyl Ether	96	97	70-130	1	25
1,4-Dioxane	127	118	70-130	7	50

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		98		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	100		99		70-130
Dibromofluoromethane	96		100		70-130

METALS



Project Name: RAYTHEON WAYLAND**Lab Number:** L0714754**Project Number:** 0061882**Report Date:** 10/14/07**SAMPLE RESULTS**

Lab ID: L0714754-01

Date Collected: 10/03/07 14:00

Client ID: MW-210-20071003-01

Date Received: 10/04/07

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
Dissolved Metals by MCP 6000/7000 series										
Sodium, Dissolved	180		mg/l	2.0	1	10/08/07 16:30	10/09/07 18:05	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON WAYLAND**Lab Number:** L0714754**Project Number:** 0061882**Report Date:** 10/14/07**SAMPLE RESULTS**

Lab ID: L0714754-04

Date Collected: 10/03/07 14:40

Client ID: MW-211-20071003-01

Date Received: 10/04/07

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
Dissolved Metals by MCP 6000/7000 series										
Sodium, Dissolved	68		mg/l	2.0	1	10/08/07 16:30	10/09/07 18:32	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON WAYLAND

Lab Number: L0714754

Project Number: 0061882

Report Date: 10/14/07

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series for sample(s): 01,04 Batch: WG297218-1									
Sodium, Dissolved	ND		mg/l	2.0	1	10/08/07 16:30	10/09/07 16:25	60,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714754

Project Number: 0061882

Report Date: 10/14/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals by MCP 6000/7000 series Associated sample(s): 01,04 Batch: WG297218-2 WG297218-3					
Sodium, Dissolved	96	95	80-120	1	20

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714754**Project Number:** 0061882**Report Date:** 10/14/07**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
L0714754-01A	Vial HCl preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714754-01B	Vial HCl preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714754-01C	Plastic 500ml HNO3 preserved	A	<2	2.4C	Y	Absent	MCP-NA-6010S
L0714754-02A	Vial Na2S2O3 preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714754-02B	Vial Na2S2O3 preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714754-03A	Vial Na2S2O3 preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714754-03B	Vial Na2S2O3 preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714754-04A	Vial HCl preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714754-04B	Vial HCl preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714754-04C	Plastic 500ml HNO3 preserved	A	<2	2.4C	Y	Absent	MCP-NA-6010S
L0714754-05A	Vial HCl preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714754-05B	Vial HCl preserved	A	N/A	2.4C	Y	Absent	-

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714754
Report Date: 10/14/07

GLOSSARY

Acronyms

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

Terms

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

Data Qualifiers

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

A - Spectra identified as "Aldol Condensation Product".

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

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

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

Standard Qualifiers

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

Report Format: Not Specified



Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714754
Report Date: 10/14/07

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-IIIA (Revision 5). May 2004.

LIMITATION OF LIABILITIES

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

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





CHAIN OF CUSTODY

PAGE 1 OF 1

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

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

Client Information

Client: ERM
 Address: 399 BOTTLE ST
BOSTON, MA 02116

Phone: 617-646-7800
 Fax: 617-267-6447

Email: ARMY.ACHOC@ERMA.COM

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

Project Information

Project Name: RAI TRAIL, WITCHAM

Project Location: WITCHAM, MA

Project #: W1872

Project Manager: ARSON PIERCE

ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)

Date Due: 10/11/07 Time:

Date Rec'd in Lab:

10/14/07

Report Information - Data Deliverables

FAX EMAIL

ADEX Add'l Deliverables

Regulatory Requirements/Report Limits

State / Fed Program

MCP

MAMCP PRESUMPTIVE CERTAINTY ... CT REASONABLE CONFIDENCE PROTOCOLS

Criteria

340-1

Billing Information

Same as Client Info

PO #:

Lot # 14454
 ALPHA Job #: 7

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

14754	-01 MW-210-20071003-01	10/3/07	14:00	GW	JM
	-02J MW-105-20071003-01	10/3/07	15:10	GW	JR
	-03J MW-105M-20071003-01	10/3/07	15:40	GW	JR
	-04J MW-211-20071003-01	10/3/07	14:46	GW	JR
	-05 TB-001-20071003-01	10/15/07	13:10	GW	SLP

Sample Specific Comments	ANALYSIS	
	BOZIC (MCL)	DISS MET BOZIC (Miosulf)
	2	1
	2	2
	2	2
	3	1

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

SAMPLE HANDLING

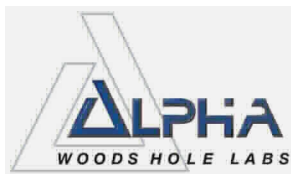
- Filtration
- Done
- Not needed
- Lab to do
- Preservation
- Lab to do

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT
 MAMCP or CT RCP?

Container Type	Date/Time	Received By:	Date/Time
Preservative			
V P V	10/12/07 11:25	Dennis Sandoz	10/17/07 11:27
B C H	10/15/07 12:15	John W...	10/19/07 9:15

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



ANALYTICAL REPORT

Lab Number: L0714751

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

ATTN: Jeremy Picard

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Report Date: 10/14/07

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: L0714751
Report Date: 10/14/07

Alpha Sample ID	Client ID	Sample Location
L0714751-01	MW-208M-20071003-01	WAYLAND, MA
L0714751-02	MW-202M-20071003-01	WAYLAND, MA

Project Name: RAYTHEON WAYLAND

Lab Number: L0714751

Project Number: 0061882

Report Date: 10/14/07

MADEP MCP Response Action Analytical Report Certification

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

An affirmative response to questions A, B, C & D is required for "Presumptive Certainty" status		
A	Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set?	YES
B	Were all QA/QC procedures required for the specified analytical methods(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	YES
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	YES
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	N/A
A response to questions E and F is required for "Presumptive Certainty" status		
E	Were all QC performance standards and recommendations for the specified method(s) achieved?	NO
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	NO
For any questions answered "No", please refer to the case narrative section on the following page(s).		

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



Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714751
Report Date: 10/14/07

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

Sample Receipt

The samples were Field Filtered for Dissolved Metals only.

Volatile Organics

L0714751-02 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

In reference to question E:

The WG298006-4 LCSD % recovery for Dichlorodifluoromethane, a difficult analyte, is below the individual acceptance criteria for the compound, but within the overall method allowances.

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.

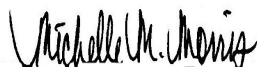
Metals

In reference to question F:

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

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

Authorized Signature:



Title: Technical Director/Representative

Date: 10/14/07

ORGANICS

VOLATILES

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714751**Project Number:** 0061882**Report Date:** 10/14/07**SAMPLE RESULTS**

Lab ID: L0714751-01
Client ID: MW-208M-20071003-01
Sample Location: WAYLAND, MA
Matrix: Water
Anaytical Method: 60,8260B
Analytical Date: 10/12/07 17:37
Analyst: BS

Date Collected: 10/03/07 15:25
Date Received: 10/04/07
Field Prep: None

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Methylene chloride	ND		ug/l	5.0	1
1,1-Dichloroethane	1.6		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	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	0.59		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	1
Trichloroethene	8.3		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	1.0		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714751**Project Number:** 0061882**Report Date:** 10/14/07**SAMPLE RESULTS**

Lab ID: L0714751-01
 Client ID: MW-208M-20071003-01
 Sample Location: WAYLAND, MA

Date Collected: 10/03/07 15:25
 Date Received: 10/04/07
 Field Prep: None

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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
1,4-Dioxane	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	79		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714751**Project Number:** 0061882**Report Date:** 10/14/07**SAMPLE RESULTS**

Lab ID: L0714751-02
 Client ID: MW-202M-20071003-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/12/07 18:16
 Analyst: BS

Date Collected: 10/03/07 09:05
 Date Received: 10/04/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	ND		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	14		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	50		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	ND		ug/l	2.5	5
Dichlorodifluoromethane	ND		ug/l	25	5
2,2-Dichloropropane	ND		ug/l	12	5
1,2-Dibromoethane	ND		ug/l	10	5
1,3-Dichloropropane	ND		ug/l	12	5

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714751**Project Number:** 0061882**Report Date:** 10/14/07**SAMPLE RESULTS**

Lab ID: L0714751-02
 Client ID: MW-202M-20071003-01
 Sample Location: WAYLAND, MA

Date Collected: 10/03/07 09:05
 Date Received: 10/04/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	5
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
1,4-Dioxane	ND		ug/l	1200	5

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

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714751
Report Date: 10/14/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/12/07 11:07
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-02 Batch: WG298006-5				
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
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



Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714751
Report Date: 10/14/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/12/07 11:07
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-02 Batch: WG298006-5				

o-Chlorotoluene	ND		ug/l	2.5
p-Chlorotoluene	ND		ug/l	2.5
Hexachlorobutadiene	ND		ug/l	0.60
1,2,4-Trichlorobenzene	ND		ug/l	2.5
1,4-Dioxane	ND		ug/l	250

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714751

Project Number: 0061882

Report Date: 10/14/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-02 Batch: WG298006-3 WG298006-4					
Methylene chloride	100	107	70-130	7	25
1,1-Dichloroethane	101	92	70-130	9	25
Chloroform	101	94	70-130	7	25
Carbon tetrachloride	108	96	70-130	12	25
1,2-Dichloropropane	99	95	70-130	4	25
Dibromochloromethane	99	93	70-130	6	25
1,1,2-Trichloroethane	99	97	70-130	2	25
Tetrachloroethene	109	97	70-130	12	25
Chlorobenzene	102	94	70-130	8	25
1,2-Dichloroethane	95	95	70-130	0	25
1,1,1-Trichloroethane	102	92	70-130	10	25
Bromodichloromethane	98	97	70-130	1	25
trans-1,3-Dichloropropene	100	97	70-130	3	25
cis-1,3-Dichloropropene	102	97	70-130	5	25
Bromoform	107	107	70-130	0	50
1,1,2,2-Tetrachloroethane	106	107	70-130	1	25
Chloromethane	98	83	70-130	17	50
Vinyl chloride	98	82	70-130	18	25
Chloroethane	102	89	70-130	14	25
1,1-Dichloroethene	105	92	70-130	13	25
trans-1,2-Dichloroethene	109	95	70-130	14	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Lab Number: L0714751

Report Date: 10/14/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-02 Batch: WG298006-3 WG298006-4					
Trichloroethene	100	88	70-130	13	25
1,2-Dichlorobenzene	98	94	70-130	4	25
1,3-Dichlorobenzene	106	96	70-130	10	25
1,4-Dichlorobenzene	102	95	70-130	7	25
cis-1,2-Dichloroethene	105	98	70-130	7	25
Dichlorodifluoromethane	78	69	70-130	12	50
2,2-Dichloropropane	109	99	70-130	10	50
1,2-Dibromoethane	98	98	70-130	0	25
1,3-Dichloropropane	98	96	70-130	2	25
1,1,1,2-Tetrachloroethane	101	95	70-130	6	25
o-Chlorotoluene	101	94	70-130	7	25
p-Chlorotoluene	106	97	70-130	9	25
Hexachlorobutadiene	104	97	70-130	7	25
1,2,4-Trichlorobenzene	102	98	70-130	4	25
1,4-Dioxane	127	118	70-130	7	50

Lab Control Sample Analysis Batch Quality Control

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714751
Report Date: 10/14/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-02 Batch: WG298006-3 WG298006-4					

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		98		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	100		99		70-130
Dibromofluoromethane	96		100		70-130



Matrix Spike Analysis Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714751

Project Number: 0061882

Report Date: 10/14/07

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
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Volatile Organics by MCP 8260B Associated sample(s): 01-02 QC Batch ID: WG298006-1 WG298006-2 QC Sample: L0714751-02 Client ID: MW-202M-20071003-01

Methylene chloride	ND	50	62	119	54	105	70-130	13	30
1,1-Dichloroethane	ND	50	54	108	52	105	70-130	3	30
Chloroform	ND	50	56	113	54	107	70-130	5	30
Carbon tetrachloride	ND	50	53	107	51	103	70-130	4	30
1,2-Dichloropropane	ND	50	55	109	53	106	70-130	3	30
Dibromochloromethane	ND	50	50	100	51	102	70-130	2	30
1,1,2-Trichloroethane	ND	50	52	104	50	99	70-130	5	30
Tetrachloroethene	ND	50	53	106	51	102	70-130	4	30
Chlorobenzene	ND	50	53	106	51	103	70-130	3	30
1,2-Dichloroethane	ND	50	53	106	52	103	70-130	3	30
1,1,1-Trichloroethane	14	50	66	102	64	98	70-130	4	30
Bromodichloromethane	ND	50	54	108	53	107	70-130	1	30
trans-1,3-Dichloropropene	ND	50	50	100	50	100	70-130	0	30
cis-1,3-Dichloropropene	ND	50	52	104	51	103	70-130	1	30
Bromoform	ND	50	55	111	57	113	70-130	2	30
1,1,2,2-Tetrachloroethane	ND	50	58	116	57	115	70-130	1	30
Chloromethane	ND	50	50	101	49	99	70-130	2	30
Vinyl chloride	ND	50	51	103	49	98	70-130	5	30
Chloroethane	ND	50	54	107	51	102	70-130	5	30
1,1-Dichloroethene	ND	50	57	114	54	108	70-130	5	30
trans-1,2-Dichloroethene	ND	50	53	107	52	104	70-130	3	30

Matrix Spike Analysis Batch Quality Control

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714751
Report Date: 10/14/07

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

Volatile Organics by MCP 8260B Associated sample(s): 01-02 QC Batch ID: WG298006-1 WG298006-2 QC Sample: L0714751-02 Client ID: MW-202M-20071003-01

Trichloroethene	50	50	91	81	86	71	70-130	13	30
1,2-Dichlorobenzene	ND	50	51	102	50	100	70-130	2	30
1,3-Dichlorobenzene	ND	50	54	107	53	105	70-130	2	30
1,4-Dichlorobenzene	ND	50	51	102	50	101	70-130	1	30
cis-1,2-Dichloroethene	ND	50	55	109	54	108	70-130	1	30
Dichlorodifluoromethane	ND	50	49	98	46	93	70-130	5	30
2,2-Dichloropropane	ND	50	56	111	54	108	70-130	3	30
1,2-Dibromoethane	ND	50	52	104	50	99	70-130	5	30
1,3-Dichloropropane	ND	50	52	104	51	102	70-130	2	30
1,1,1,2-Tetrachloroethane	ND	50	51	103	51	103	70-130	0	30
o-Chlorotoluene	ND	50	52	104	50	100	70-130	4	30
p-Chlorotoluene	ND	50	52	103	51	102	70-130	1	30
Hexachlorobutadiene	ND	50	48	97	50	101	70-130	4	30
1,2,4-Trichlorobenzene	ND	50	50	99	49	98	70-130	1	30
1,4-Dioxane	ND	5000	4700	94	6100	122	70-130	26	30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	104		103		70-130
Toluene-d8	97		98		70-130

METALS



Project Name: RAYTHEON WAYLAND**Lab Number:** L0714751**Project Number:** 0061882**Report Date:** 10/14/07**SAMPLE RESULTS**

Lab ID: L0714751-02

Date Collected: 10/03/07 09:05

Client ID: MW-202M-20071003-01

Date Received: 10/04/07

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
Dissolved Metals by MCP 6000/7000 series										
Sodium, Dissolved	17		mg/l	2.0	1	10/10/07 17:30	10/11/07 09:56	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON WAYLAND

Lab Number: L0714751

Project Number: 0061882

Report Date: 10/14/07

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series for sample(s): 02 Batch: WG297588-3									
Sodium, Dissolved	ND		mg/l	2.0	1	10/10/07 17:30	10/11/07 09:42	60,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Lab Number: L0714751

Report Date: 10/14/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals by MCP 6000/7000 series Associated sample(s): 02 Batch: WG297588-4 WG297588-5					
Sodium, Dissolved	98	98	80-120	0	20

**Matrix Spike Analysis
Batch Quality Control**

Project Name: RAYTHEON WAYLAND

Lab Number: L0714751

Project Number: 0061882

Report Date: 10/14/07

Parameter	Native Sample	MS Added	MS Found	MS	MSD Found	MSD	Recovery	RPD	RPD Limits
				%Recovery		%Recovery	Limits		
Dissolved Metals by MCP 6000/7000 series Associated sample(s): 02 QC Batch ID: WG297588-1 WG297588-2 QC Sample: L0714751-02 Client ID: MW-202M-20071003-01									
Sodium, Dissolved	17	10	28	110	28	110	75-125	0	20

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714751**Project Number:** 0061882**Report Date:** 10/14/07**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
L0714751-01A	Vial Na ₂ S ₂ O ₃ preserved	A	N/A	2.4 C	Y	Absent	MCP-8260-04
L0714751-01B	Vial Na ₂ S ₂ O ₃ preserved	A	N/A	2.4 C	Y	Absent	MCP-8260-04
L0714751-02A	Vial HCl preserved	A	N/A	2.4 C	Y	Absent	MCP-8260-04
L0714751-02B	Vial HCl preserved	A	N/A	2.4 C	Y	Absent	MCP-8260-04
L0714751-02C	Vial HCl preserved	A	N/A	2.4 C	Y	Absent	MCP-8260-04
L0714751-02D	Vial HCl preserved	A	N/A	2.4 C	Y	Absent	MCP-8260-04
L0714751-02E	Vial HCl preserved	A	N/A	2.4 C	Y	Absent	MCP-8260-04
L0714751-02F	Vial HCl preserved	A	N/A	2.4 C	Y	Absent	MCP-8260-04
L0714751-02G	Plastic 250ml HNO ₃ preserved	A	<2	2.4 C	Y	Absent	MCP-NA-6010S
L0714751-02H	Plastic 250ml HNO ₃ preserved	A	<2	2.4 C	Y	Absent	MCP-NA-6010S
L0714751-02I	Plastic 250ml HNO ₃ preserved	A	<2	2.4 C	Y	Absent	MCP-NA-6010S

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714751
Report Date: 10/14/07

GLOSSARY

Acronyms

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

Terms

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

Data Qualifiers

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

- A - Spectra identified as "Aldol Condensation Product".
B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
J - Estimated value. The analyte was tentatively identified; the quantitation is an estimation. (Tentatively identified compounds only.)

Standard Qualifiers

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

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714751
Report Date: 10/14/07

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-IIIA (Revision 5). May 2004.

LIMITATION OF LIABILITIES

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

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



CHAIN OF CUSTODY

PAGE 1 OF 1



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

RAYNHAM MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: **ERM**

Address: **399 Boylston St 5th Flort
Boston MA 02116**

Project Manager: **J. Picard**

Phone: **617-674-7800**

Fax: **617-347-6447**

Email: **jeremy.picard@erm.com**

Date Due: **10/11**

Time:

Other Project Specific Requirements/Comments/Detection Limits:

Project Information

Project Name: **Raytheon Wayland**

Project Location: **Wayland, MA**

Project #: **0061882**

ALPHA Quote #:

Turn-Around Time

Standard

RUSH (only confirmed if pre-approved)

Date Rec'd in Lab: **10/4**

Report Information - Data Deliverables

FAX EMAIL

ADEX Add'l Deliverables

State / Fed Program

MCP Criteria **GW-1**

MAMCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTOCOLS

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

Billing Information

Same as Client info PO #:

ALPHA Job #: **20214751**

SAMPLE HANDLING

- Filtration
- Done
- Not needed
- Lab to do
- Preservation
- Lab to do

Sample Specific Comments

ANALYSIS
80216 (HCl)
Diss Na
80216 (Na₂O) 1.4-2.0

W/ 14-Dioxane

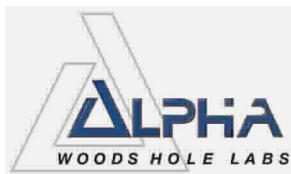
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	Container Type Preservative	Date/Time	Received By:	Date/Time	Sample Specific Comments
		Date	Time							
4351.1	MU-208H-20071003-01	10/3/07	15:25	GW	CFE	V PV	10/4/07 11:25	Dan Scudlo	10/4/07 11:27	
2	MW-202M-20071003-01	10/03/07	9:05	GW	MS	B CH	10/4/07			
2	MW-202M-20071003-01-MS	10/03/07	9:05	GW	MS					
2	MW-202M-20071003-01-MSD	10/03/07	9:05	GW	MS					

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT
MA MCP OR CT RCP?

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

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



ANALYTICAL REPORT

Lab Number: L0714749

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

ATTN: Jeremy Picard

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Report Date: 10/14/07

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: L0714749
Report Date: 10/14/07

Alpha Sample ID	Client ID	Sample Location
L0714749-01	MW-103-20071003-01	WAYLAND, MA
L0714749-02	MW-213-20071003-01	WAYLAND, MA
L0714749-03	MW-118-20071003-01	WAYLAND, MA
L0714749-04	MW-404-20071003-01	WAYLAND, MA
L0714749-05	MW-214-20071003-01	WAYLAND, MA

Project Name: RAYTHEON WAYLAND

Lab Number: L0714749

Project Number: 0061882

Report Date: 10/14/07

MADEP MCP Response Action Analytical Report Certification

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

An affirmative response to questions A, B, C & D is required for "Presumptive Certainty" status		
A	Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set?	YES
B	Were all QA/QC procedures required for the specified analytical methods(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	YES
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	YES
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	N/A
A response to questions E and F is required for "Presumptive Certainty" status		
E	Were all QC performance standards and recommendations for the specified method(s) achieved?	NO
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	NO
For any questions answered "No", please refer to the case narrative section on the following page(s).		

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



Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714749
Report Date: 10/14/07

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.

Sample Receipt

The samples were Field Filtered for Dissolved Metals only.

MCP Related Narratives

Volatile Organics

In reference to question E:

The WG297898-4/5 LCSD % recovery for Dichlorodifluoromethane, a difficult analyte, is below the individual acceptance criteria for the compound, but within the overall method allowances.

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.

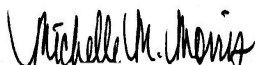
Metals

In reference to question F:

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

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

Authorized Signature:



Title: Technical Director/Representative

Date: 10/14/07

ORGANICS

VOLATILES

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714749**Project Number:** 0061882**Report Date:** 10/14/07**SAMPLE RESULTS**

Lab ID: L0714749-01
Client ID: MW-103-20071003-01
Sample Location: WAYLAND, MA
Matrix: Water
Anaytical Method: 60,8260B
Analytical Date: 10/12/07 20:13
Analyst: BS

Date Collected: 10/03/07 10:30
Date Received: 10/04/07
Field Prep: Field Filtered

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
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	0.81		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
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714749**Project Number:** 0061882**Report Date:** 10/14/07**SAMPLE RESULTS**

Lab ID: L0714749-01

Date Collected: 10/03/07 10:30

Client ID: MW-103-20071003-01

Date Received: 10/04/07

Sample Location: WAYLAND, MA

Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	97		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	103		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714749**Project Number:** 0061882**Report Date:** 10/14/07**SAMPLE RESULTS**

Lab ID: L0714749-02
Client ID: MW-213-20071003-01
Sample Location: WAYLAND, MA
Matrix: Water
Anaytical Method: 60,8260B
Analytical Date: 10/12/07 20:32
Analyst: BS

Date Collected: 10/03/07 11:55
Date Received: 10/04/07
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
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	1.8		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
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714749**Project Number:** 0061882**Report Date:** 10/14/07**SAMPLE RESULTS**

Lab ID: L0714749-02
 Client ID: MW-213-20071003-01
 Sample Location: WAYLAND, MA

Date Collected: 10/03/07 11:55
 Date Received: 10/04/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	105		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714749**Project Number:** 0061882**Report Date:** 10/14/07**SAMPLE RESULTS**

Lab ID: L0714749-03
Client ID: MW-118-20071003-01
Sample Location: WAYLAND, MA
Matrix: Water
Anaytical Method: 60,8260B
Analytical Date: 10/12/07 15:21
Analyst: BS

Date Collected: 10/03/07 13:25
Date Received: 10/04/07
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
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	31		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
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714749**Project Number:** 0061882**Report Date:** 10/14/07**SAMPLE RESULTS**

Lab ID: L0714749-03
 Client ID: MW-118-20071003-01
 Sample Location: WAYLAND, MA

Date Collected: 10/03/07 13:25
 Date Received: 10/04/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	101		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714749**Project Number:** 0061882**Report Date:** 10/14/07**SAMPLE RESULTS**

Lab ID: L0714749-04
Client ID: MW-404-20071003-01
Sample Location: WAYLAND, MA
Matrix: Water
Anaytical Method: 60,8260B
Analytical Date: 10/12/07 16:00
Analyst: BS

Date Collected: 10/03/07 13:55
Date Received: 10/04/07
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	0.98		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
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714749**Project Number:** 0061882**Report Date:** 10/14/07**SAMPLE RESULTS**

Lab ID: L0714749-04
 Client ID: MW-404-20071003-01
 Sample Location: WAYLAND, MA

Date Collected: 10/03/07 13:55
 Date Received: 10/04/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	99		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714749**Project Number:** 0061882**Report Date:** 10/14/07**SAMPLE RESULTS**

Lab ID: L0714749-05
 Client ID: MW-214-20071003-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/12/07 16:39
 Analyst: BS

Date Collected: 10/03/07 15:55
 Date Received: 10/04/07
 Field Prep: Field Filtered

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
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	1.4		ug/l	0.50	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	1
Trichloroethene	31		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	2.2		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714749**Project Number:** 0061882**Report Date:** 10/14/07**SAMPLE RESULTS**

Lab ID: L0714749-05
 Client ID: MW-214-20071003-01
 Sample Location: WAYLAND, MA

Date Collected: 10/03/07 15:55
 Date Received: 10/04/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	96		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714749
Report Date: 10/14/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/12/07 11:07
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-05 Batch: WG297898-6				
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: L0714749
Report Date: 10/14/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/12/07 11:07
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-05 Batch: WG297898-6				
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: L0714749
Report Date: 10/14/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/12/07 11:07
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-05 Batch: WG297898-6				
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	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714749

Project Number: 0061882

Report Date: 10/14/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-05 Batch: WG297898-4 WG297898-5					
Methylene chloride	100	107	70-130	7	25
1,1-Dichloroethane	101	92	70-130	9	25
Chloroform	101	94	70-130	7	25
Carbon tetrachloride	108	96	70-130	12	25
1,2-Dichloropropane	99	95	70-130	4	25
Dibromochloromethane	99	93	70-130	6	25
1,1,2-Trichloroethane	99	97	70-130	2	25
Tetrachloroethene	109	97	70-130	12	25
Chlorobenzene	102	94	70-130	8	25
Trichlorofluoromethane	103	90	70-130	13	25
1,2-Dichloroethane	95	95	70-130	0	25
1,1,1-Trichloroethane	102	92	70-130	10	25
Bromodichloromethane	98	97	70-130	1	25
trans-1,3-Dichloropropene	100	97	70-130	3	25
cis-1,3-Dichloropropene	102	97	70-130	5	25
1,1-Dichloropropene	108	93	70-130	15	25
Bromoform	107	107	70-130	0	50
1,1,1,2-Tetrachloroethane	106	107	70-130	1	25
Benzene	102	94	70-130	8	25
Toluene	103	94	70-130	9	25
Ethylbenzene	105	95	70-130	10	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714749

Project Number: 0061882

Report Date: 10/14/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-05 Batch: WG297898-4 WG297898-5					
Chloromethane	98	83	70-130	17	50
Bromomethane	103	93	70-130	10	50
Vinyl chloride	98	82	70-130	18	25
Chloroethane	102	89	70-130	14	25
1,1-Dichloroethene	105	92	70-130	13	25
trans-1,2-Dichloroethene	109	95	70-130	14	25
Trichloroethene	100	88	70-130	13	25
1,2-Dichlorobenzene	98	94	70-130	4	25
1,3-Dichlorobenzene	106	96	70-130	10	25
1,4-Dichlorobenzene	102	95	70-130	7	25
Methyl tert butyl ether	96	94	70-130	2	25
p/m-Xylene	109	99	70-130	10	25
o-Xylene	108	100	70-130	8	25
cis-1,2-Dichloroethene	105	98	70-130	7	25
Dibromomethane	99	97	70-130	2	25
1,2,3-Trichloropropane	103	106	70-130	3	25
Styrene	108	101	70-130	7	25
Dichlorodifluoromethane	78	69	70-130	12	50
Acetone	90	89	70-130	1	50
Carbon disulfide	96	81	70-130	17	25
2-Butanone	93	94	70-130	1	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Lab Number: L0714749

Report Date: 10/14/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-05 Batch: WG297898-4 WG297898-5					
4-Methyl-2-pentanone	97	107	70-130	10	50
2-Hexanone	98	100	70-130	2	50
Bromochloromethane	101	98	70-130	3	25
Tetrahydrofuran	96	96	70-130	0	25
2,2-Dichloropropane	109	99	70-130	10	50
1,2-Dibromoethane	98	98	70-130	0	25
1,3-Dichloropropane	98	96	70-130	2	25
1,1,1,2-Tetrachloroethane	101	95	70-130	6	25
Bromobenzene	101	95	70-130	6	25
n-Butylbenzene	110	96	70-130	14	25
sec-Butylbenzene	111	96	70-130	14	25
tert-Butylbenzene	107	96	70-130	11	25
o-Chlorotoluene	101	94	70-130	7	25
p-Chlorotoluene	106	97	70-130	9	25
1,2-Dibromo-3-chloropropane	109	112	70-130	3	50
Hexachlorobutadiene	104	97	70-130	7	25
Isopropylbenzene	114	102	70-130	11	25
p-Isopropyltoluene	112	99	70-130	12	25
Naphthalene	98	97	70-130	1	25
n-Propylbenzene	108	96	70-130	12	25
1,2,3-Trichlorobenzene	98	98	70-130	0	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714749

Project Number: 0061882

Report Date: 10/14/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-05 Batch: WG297898-4 WG297898-5					
1,2,4-Trichlorobenzene	102	98	70-130	4	25
1,3,5-Trimethylbenzene	104	94	70-130	10	25
1,2,4-Trimethylbenzene	103	96	70-130	7	25
Ethyl ether	93	91	70-130	2	25
Isopropyl Ether	93	91	70-130	2	25
Ethyl-Tert-Butyl-Ether	97	96	70-130	1	25
Tertiary-Amyl Methyl Ether	96	97	70-130	1	25
1,4-Dioxane	127	118	70-130	7	50

Surrogate	LCS %Recovery Qualifier	LCSD %Recovery Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94	98	70-130
Toluene-d8	101	101	70-130
4-Bromofluorobenzene	100	99	70-130
Dibromofluoromethane	96	100	70-130

METALS

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714749**Project Number:** 0061882**Report Date:** 10/14/07**SAMPLE RESULTS**

Lab ID: L0714749-01

Date Collected: 10/03/07 10:30

Client ID: MW-103-20071003-01

Date Received: 10/04/07

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
Dissolved Metals by MCP 6000/7000 series										
Sodium, Dissolved	100		mg/l	2.0	1	10/08/07 16:30	10/09/07 17:57	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON WAYLAND**Lab Number:** L0714749**Project Number:** 0061882**Report Date:** 10/14/07**SAMPLE RESULTS**

Lab ID: L0714749-05

Date Collected: 10/03/07 15:55

Client ID: MW-214-20071003-01

Date Received: 10/04/07

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
Dissolved Metals by MCP 6000/7000 series										
Sodium, Dissolved	41		mg/l	2.0	1	10/08/07 16:30	10/09/07 18:01	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON WAYLAND

Lab Number: L0714749

Project Number: 0061882

Report Date: 10/14/07

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series for sample(s): 01,05 Batch: WG297218-1									
Sodium, Dissolved	ND		mg/l	2.0	1	10/08/07 16:30	10/09/07 16:25	60,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Lab Number: L0714749

Report Date: 10/14/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals by MCP 6000/7000 series Associated sample(s): 01,05 Batch: WG297218-2 WG297218-3					
Sodium, Dissolved	96	95	80-120	1	20

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714749**Project Number:** 0061882**Report Date:** 10/14/07**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
L0714749-01A	Vial HCl preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714749-01B	Vial HCl preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714749-01C	Plastic 500ml HNO3 preserved	A	<2	2.4C	Y	Absent	MCP-NA-6010S
L0714749-02A	Vial Na2S2O3 preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714749-02B	Vial Na2S2O3 preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714749-03A	Vial Na2S2O3 preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714749-03B	Vial Na2S2O3 preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714749-04A	Vial Na2S2O3 preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714749-04B	Vial Na2S2O3 preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714749-05A	Vial HCl preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714749-05B	Vial HCl preserved	A	N/A	2.4C	Y	Absent	MCP-8260-04
L0714749-05C	Plastic 500ml HNO3 preserved	A	<2	2.4C	Y	Absent	MCP-NA-6010S

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714749
Report Date: 10/14/07

GLOSSARY

Acronyms

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

Terms

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

Data Qualifiers

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

- A - Spectra identified as "Aldol Condensation Product".
 B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.
 E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
 J - Estimated value. The analyte was tentatively identified; the quantitation is an estimation. (Tentatively identified compounds only.)

Standard Qualifiers

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

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714749
Report Date: 10/14/07

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-IIIA (Revision 5). May 2004.

LIMITATION OF LIABILITIES

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

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





CHAIN OF CUSTODY

PAGE 1 OF 1

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

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

Client Information

Client: **EDM**
Address: **389 BOYLSTON ST. 6th Floor**
Boston, MA 02116

Phone: **(617) 646-7800**
Fax: **(617) 267-6447**

Email: **JEREMY.PICARD@EDM.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 #: **0061882**

Project Manager: **J. Picard**

ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
Date Due: **10/11/07** Time:

Date Rec'd in Lab: **10/14/07**

Report Information - Data Deliverables

FAX EMAIL
 DADEx Add'l Deliverables

Regulatory Requirements/Report Limits

State/Fed Program: **MSD** Criteria: **GW-1**

MAMCPRPRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTOCOLS

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

ALPHA Job #: **20714749**

Billing Information

Same as Client info PO #:

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

14749-01	MW-103-20071003-01	10/03/07	10:30	GW	MS
-02	MW-213-20071003-01	10/03/07	11:55	GW	MS
-03	MW-118-20071003-01	10/03/07	13:25	GW	MS
-04	MW-404-20071003-01	10/03/07	13:55	GW	MS
-05	MW-214-20071003-01	10/03/07	15:55	GW	MS

TOTAL #	ANALYSIS		SAMPLE HANDLING
	8021C (HCl)	8021C (NO ₂ S ₂ O ₃)	
3	2	1	
2	-	-	
2	-	-	
2	-	-	
3	2	1	

Sample Specific Comments

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

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT
MAMCP or CT RCP?

Container Type	Date/Time	Received By:	Date/Time
Preservative	10/14/07 11:25	Daniela	10/14/07 17:45
	10/14/07 13:45	Daniela	10/14/07 17:45

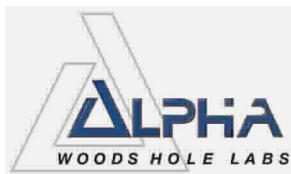
Relinquished By:

[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.



ANALYTICAL REPORT

Lab Number: L0714607

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

ATTN: Jeremy Picard

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Report Date: 10/12/07

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: L0714607
Report Date: 10/12/07

Alpha Sample ID	Client ID	Sample Location
L0714607-01	MW-40-20071002-01	WAYLAND, MA
L0714607-02	DUP-001-20071002-01	WAYLAND, MA
L0714607-03	MW-40S-20071002-01	WAYLAND, MA

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714607
Report Date: 10/12/07

MADEP MCP Response Action Analytical Report Certification

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

An affirmative response to questions A, B, C & D is required for "Presumptive Certainty" status		
A	Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set?	YES
B	Were all QA/QC procedures required for the specified analytical methods(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	YES
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	YES
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	N/A
A response to questions E and F is required for "Presumptive Certainty" status		
E	Were all QC performance standards and recommendations for the specified method(s) achieved?	NO
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	NO
For any questions answered "No", please refer to the case narrative section on the following page(s).		

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



Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714607
Report Date: 10/12/07

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.

Sample Receipt

The samples were Field Filtered for Dissolved Metals only.

Volatile Organics

In reference to question E:

The WG297880-1/2 LCS/LCSD % recoveries for Dichlorodifluoromethane, and the LCSD % recovery for Chloromethane, both difficult analytes, are below the individual acceptance criteria for the compounds, but within the overall method allowances.

In reference to question F:

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

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

Authorized Signature:



Title: Technical Director/Representative

Date: 10/12/07

ORGANICS

VOLATILES

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714607
Report Date: 10/12/07

SAMPLE RESULTS

Lab ID: L0714607-01
 Client ID: MW-40-20071002-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/12/07 12:36
 Analyst: BS

Date Collected: 10/02/07 09:30
 Date Received: 10/03/07
 Field Prep: Field Filtered

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	8.1		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	0.73		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	4.1		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	4.2		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
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714607**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714607-01
 Client ID: MW-40-20071002-01
 Sample Location: WAYLAND, MA

Date Collected: 10/02/07 09:30
 Date Received: 10/03/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	106		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	107		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714607**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714607-02
 Client ID: DUP-001-20071002-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/12/07 13:14
 Analyst: BS

Date Collected: 10/02/07 00:00
 Date Received: 10/03/07
 Field Prep: Field Filtered

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	8.1		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	3.9		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	4.2		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
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714607**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714607-02
 Client ID: DUP-001-20071002-01
 Sample Location: WAYLAND, MA

Date Collected: 10/02/07 00:00
 Date Received: 10/03/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	106		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	110		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714607**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714607-03
 Client ID: MW-40S-20071002-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/12/07 13:54
 Analyst: BS

Date Collected: 10/02/07 10:37
 Date Received: 10/03/07
 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	4.4		ug/l	0.75	1
Carbon tetrachloride	ND		ug/l	0.50	1
1,2-Dichloropropane	ND		ug/l	1.8	1
Dibromochloromethane	1.7		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	2.4		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	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
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714607**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714607-03

Date Collected: 10/02/07 10:37

Client ID: MW-40S-20071002-01

Date Received: 10/03/07

Sample Location: WAYLAND, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	111		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	108		70-130

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714607
Report Date: 10/12/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/12/07 11:16
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-03 Batch: WG297880-3				
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: L0714607
Report Date: 10/12/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/12/07 11:16
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-03 Batch: WG297880-3				

Parameter	Result	Qualifier	Units	RDL
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: L0714607
Report Date: 10/12/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/12/07 11:16
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-03 Batch: WG297880-3				

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	103		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	105		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714607

Project Number: 0061882

Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-03 Batch: WG297880-1 WG297880-2					
Methylene chloride	98	93	70-130	5	25
1,1-Dichloroethane	104	99	70-130	5	25
Chloroform	106	99	70-130	7	25
Carbon tetrachloride	118	115	70-130	3	25
1,2-Dichloropropane	104	100	70-130	4	25
Dibromochloromethane	101	98	70-130	3	25
1,1,2-Trichloroethane	97	93	70-130	4	25
Tetrachloroethene	116	108	70-130	7	25
Chlorobenzene	102	98	70-130	4	25
Trichlorofluoromethane	114	110	70-130	4	25
1,2-Dichloroethane	109	108	70-130	1	25
1,1,1-Trichloroethane	112	108	70-130	4	25
Bromodichloromethane	105	102	70-130	3	25
trans-1,3-Dichloropropene	98	96	70-130	2	25
cis-1,3-Dichloropropene	108	103	70-130	5	25
1,1-Dichloropropene	107	102	70-130	5	25
Bromoform	110	102	70-130	8	50
1,1,2,2-Tetrachloroethane	90	85	70-130	6	25
Benzene	104	100	70-130	4	25
Toluene	100	94	70-130	6	25
Ethylbenzene	103	98	70-130	5	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714607

Project Number: 0061882

Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-03 Batch: WG297880-1 WG297880-2					
Chloromethane	70	67	70-130	4	50
Bromomethane	81	87	70-130	7	50
Vinyl chloride	81	77	70-130	5	25
Chloroethane	104	97	70-130	7	25
1,1-Dichloroethene	109	104	70-130	5	25
trans-1,2-Dichloroethene	106	100	70-130	6	25
Trichloroethene	111	107	70-130	4	25
1,2-Dichlorobenzene	98	95	70-130	3	25
1,3-Dichlorobenzene	101	97	70-130	4	25
1,4-Dichlorobenzene	102	95	70-130	7	25
Methyl tert butyl ether	107	98	70-130	9	25
p/m-Xylene	107	100	70-130	7	25
o-Xylene	108	102	70-130	6	25
cis-1,2-Dichloroethene	106	102	70-130	4	25
Dibromomethane	110	104	70-130	6	25
1,2,3-Trichloropropane	102	101	70-130	1	25
Styrene	106	100	70-130	6	25
Dichlorodifluoromethane	51	48	70-130	6	50
Acetone	134	114	70-130	16	50
Carbon disulfide	103	93	70-130	10	25
2-Butanone	118	111	70-130	6	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714607

Project Number: 0061882

Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-03 Batch: WG297880-1 WG297880-2					
4-Methyl-2-pentanone	115	107	70-130	7	50
2-Hexanone	102	93	70-130	9	50
Bromochloromethane	112	108	70-130	4	25
Tetrahydrofuran	111	103	70-130	7	25
2,2-Dichloropropane	121	114	70-130	6	50
1,2-Dibromoethane	99	97	70-130	2	25
1,3-Dichloropropane	96	92	70-130	4	25
1,1,1,2-Tetrachloroethane	105	102	70-130	3	25
Bromobenzene	102	98	70-130	4	25
n-Butylbenzene	105	95	70-130	10	25
sec-Butylbenzene	109	101	70-130	8	25
tert-Butylbenzene	108	102	70-130	6	25
o-Chlorotoluene	100	93	70-130	7	25
p-Chlorotoluene	99	96	70-130	3	25
1,2-Dibromo-3-chloropropane	86	87	70-130	1	50
Hexachlorobutadiene	83	76	70-130	9	25
Isopropylbenzene	116	110	70-130	5	25
p-Isopropyltoluene	110	102	70-130	8	25
Naphthalene	82	82	70-130	0	25
n-Propylbenzene	106	100	70-130	6	25
1,2,3-Trichlorobenzene	88	85	70-130	3	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714607

Project Number: 0061882

Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-03 Batch: WG297880-1 WG297880-2					
1,2,4-Trichlorobenzene	91	88	70-130	3	25
1,3,5-Trimethylbenzene	106	99	70-130	7	25
1,2,4-Trimethylbenzene	106	99	70-130	7	25
Ethyl ether	106	98	70-130	8	25
Isopropyl Ether	102	93	70-130	9	25
Ethyl-Tert-Butyl-Ether	107	99	70-130	8	25
Tertiary-Amyl Methyl Ether	107	99	70-130	8	25
1,4-Dioxane	142	150	70-130	5	50

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		102		70-130
Toluene-d8	95		96		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	103		105		70-130

METALS

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714607**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714607-01

Date Collected: 10/02/07 09:30

Client ID: MW-40-20071002-01

Date Received: 10/03/07

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
Dissolved Metals by MCP 6000/7000 series										
Sodium, Dissolved	60		mg/l	2.0	1	10/08/07 16:30	10/09/07 17:42	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON WAYLAND**Lab Number:** L0714607**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714607-02

Date Collected: 10/02/07 00:00

Client ID: DUP-001-20071002-01

Date Received: 10/03/07

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
Dissolved Metals by MCP 6000/7000 series										
Sodium, Dissolved	61		mg/l	2.0	1	10/08/07 16:30	10/09/07 17:46	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON WAYLAND

Lab Number: L0714607

Project Number: 0061882

Report Date: 10/12/07

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series for sample(s): 01-02 Batch: WG297218-1									
Sodium, Dissolved	ND		mg/l	2.0	1	10/08/07 16:30	10/09/07 16:25	60,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714607

Project Number: 0061882

Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals by MCP 6000/7000 series Associated sample(s): 01-02 Batch: WG297218-2 WG297218-3					
Sodium, Dissolved	96	95	80-120	1	20

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714607**Project Number:** 0061882**Report Date:** 10/12/07**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
L0714607-01A	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714607-01B	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714607-01C	Plastic 500ml HNO3 preserved	A	<2	3.9 C	Y	Absent	MCP-NA-6010S
L0714607-02A	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714607-02B	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714607-02C	Plastic 500ml HNO3 preserved	A	<2	3.9 C	Y	Absent	MCP-NA-6010S
L0714607-03A	Vial Na2S2O3 preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714607-03B	Vial Na2S2O3 preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714607
Report Date: 10/12/07

GLOSSARY

Acronyms

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

Terms

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

Data Qualifiers

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

A - Spectra identified as "Aldol Condensation Product".

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

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

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

Standard Qualifiers

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

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714607
Report Date: 10/12/07

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-IIIA (Revision 5). May 2004.

LIMITATION OF LIABILITIES

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

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





CHAIN OF CUSTODY

PAGE 1 OF 1

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 #: **0061882**

Address: **399 Baylston St, 6th Floor Boston, MA 02116**

Project Manager: **Jeremy Picard**

Phone: **617-646-7800**

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

Email: **jeremy.picard@erm.com**

Other Project Specific Requirements/Comments/Detection Limits:

Project Information

Project Name: **Raytheon, Wayland**

Project Location: **Wayland, MA**

Project #: **0061882**

Project Manager: **Jeremy Picard**

Turn-Around Time

Standard

RUSH (only confirmed if pre-approved)

Date Due: **10/10**

Time:

Date Rec'd In Lab: **10/3**

Report Information - Data Deliverables

FAX

EMAIL

ADEX

Add'l Deliverables

Regulatory Requirements/Report Limits

State / Fed Program

Criteria

MCP

GW-1

MAMCP PRESUMPTIVE CERTAINTY - CT REASONABLE CONFIDENCE PROTOCOLS

Are MAMCP Analytical Methods Required? Yes No

Are MAMCP (Reasonable Confidence Protocols) Required? Yes No

Billing Information

Same as Client Info

PO #:

ALPHA Job #: **10714603**

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

4607-1	MW-4D-20071002-01	10/2/07	09:30	GW	HEA	Z	1
2	DWP-001-20071002-01	10/2/07	24:00	GW	HEA	Z	1
3	MW-4DS-20071002-01	10/2/07	10:37	GW	HEA	Z	2

ANALYSIS
8021 ~~BC~~ (HCl) ~~200~~
8021 ~~BC~~ (Na2S2O3) ~~200~~
Diss. Sodium (K) ~~200~~

SAMPLE HANDLING

- Filtration
- Done
- Not needed
- Lab to do
- Preservation
- Lab to do

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	Container Type	Preservative	Date/Time	Date/Time
		Date	Time						
4607-1	MW-4D-20071002-01	10/2/07	09:30	GW	HEA	VVP		10/3/07	10/3/07
2	DWP-001-20071002-01	10/2/07	24:00	GW	HEA	BHC		10/3/07	10/3/07
3	MW-4DS-20071002-01	10/2/07	10:37	GW	HEA			10/9/07	10/9/07

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:

[Signature]

Date/Time

10/3/07

Received By:

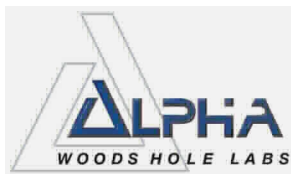
[Signature]

Date/Time

10/3/07

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.

(F)



ANALYTICAL REPORT

Lab Number: L0714606

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

ATTN: Jeremy Picard

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Report Date: 10/15/07

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: L0714606
Report Date: 10/15/07

Alpha Sample ID	Client ID	Sample Location
L0714606-01	MW-203M-20071002-01	WAYLAND, MA
L0714606-02	MW-204M-20071002-01	WAYLAND, MA
L0714606-03	MW-203S-20071002-01	WAYLAND, MA
L0714606-04	MW-115-20071002-01	WAYLAND, MA
L0714606-05	MW-113-20071002-01	WAYLAND, MA
L0714606-06	MW-204D-20071002-01	WAYLAND, MA
L0714606-07	MW-107-20071002-01	WAYLAND, MA
L0714606-08	DUP-007-20071002-01	WAYLAND, MA
L0714606-09	DUP-005-20071002-01	WAYLAND, MA
L0714606-10	DUP-006-20071002-01	WAYLAND, MA

Project Name: RAYTHEON WAYLAND

Lab Number: L0714606

Project Number: 0061882

Report Date: 10/15/07

MADEP MCP Response Action Analytical Report Certification

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

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

A response to questions E and F is required for "Presumptive Certainty" status		
E	Were all QC performance standards and recommendations for the specified method(s) achieved?	NO
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	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: L0714606
Report Date: 10/15/07

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

Sample Receipt

The samples were Field Filtered for Dissolved Metals only.

Volatile Organics

L0714606-04, -09, and -10 were re-analyzed due to over dilution of the original analyses. The results of the re-analyses are reported.

L0714606-02, -07, and -08 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 WG297880-1/2 LCS/LCSD % recoveries for 1,4-Dioxane are above, and the LCS/LCSD % recoveries for Dichlorodifluoromethane, as well as the LCSD % recovery for Chloromethane, are below, the individual acceptance criteria for the compounds, but within the overall method allowances. These are all difficult analytes.

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.

Metals

In reference to question F:

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

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

Authorized Signature:



Title: Technical Director/Representative

Date: 10/15/07

ORGANICS

VOLATILES

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714606**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714606-01
 Client ID: MW-203M-20071002-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/12/07 15:51
 Analyst: BS

Date Collected: 10/02/07 08:35
 Date Received: 10/03/07
 Field Prep: Field Filtered

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	2.7		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	4.6		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:** L0714606**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714606-01
 Client ID: MW-203M-20071002-01
 Sample Location: WAYLAND, MA

Date Collected: 10/02/07 08:35
 Date Received: 10/03/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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
1,4-Dioxane	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	109		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714606**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714606-02
 Client ID: MW-204M-20071002-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/12/07 17:09
 Analyst: BS

Date Collected: 10/02/07 09:00
 Date Received: 10/03/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Methylene chloride	ND		ug/l	10	2
1,1-Dichloroethane	ND		ug/l	1.5	2
Chloroform	ND		ug/l	1.5	2
Carbon tetrachloride	ND		ug/l	1.0	2
1,2-Dichloropropane	ND		ug/l	3.5	2
Dibromochloromethane	ND		ug/l	1.0	2
1,1,2-Trichloroethane	ND		ug/l	1.5	2
Tetrachloroethene	ND		ug/l	1.0	2
Chlorobenzene	ND		ug/l	1.0	2
1,2-Dichloroethane	ND		ug/l	1.0	2
1,1,1-Trichloroethane	12		ug/l	1.0	2
Bromodichloromethane	ND		ug/l	1.0	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	2
Bromoform	ND		ug/l	4.0	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	2
Chloromethane	ND		ug/l	5.0	2
Vinyl chloride	ND		ug/l	2.0	2
Chloroethane	ND		ug/l	2.0	2
1,1-Dichloroethene	1.9		ug/l	1.0	2
trans-1,2-Dichloroethene	ND		ug/l	1.5	2
Trichloroethene	45		ug/l	1.0	2
1,2-Dichlorobenzene	ND		ug/l	5.0	2
1,3-Dichlorobenzene	ND		ug/l	5.0	2
1,4-Dichlorobenzene	ND		ug/l	5.0	2
cis-1,2-Dichloroethene	ND		ug/l	1.0	2
Dichlorodifluoromethane	ND		ug/l	10	2
1,2-Dibromoethane	ND		ug/l	4.0	2
1,3-Dichloropropane	ND		ug/l	5.0	2
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	2

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714606**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714606-02
 Client ID: MW-204M-20071002-01
 Sample Location: WAYLAND, MA

Date Collected: 10/02/07 09:00
 Date Received: 10/03/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
o-Chlorotoluene	ND		ug/l	5.0	2
p-Chlorotoluene	ND		ug/l	5.0	2
Hexachlorobutadiene	ND		ug/l	1.2	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	2
1,4-Dioxane	ND		ug/l	500	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	107		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714606**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714606-03
 Client ID: MW-203S-20071002-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/12/07 16:30
 Analyst: BS

Date Collected: 10/02/07 09:40
 Date Received: 10/03/07
 Field Prep: Field Filtered

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	5.4		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:** L0714606**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714606-03
 Client ID: MW-203S-20071002-01
 Sample Location: WAYLAND, MA

Date Collected: 10/02/07 09:40
 Date Received: 10/03/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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
1,4-Dioxane	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	108		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714606**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714606-04 R
 Client ID: MW-115-20071002-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/13/07 17:36
 Analyst: BS

Date Collected: 10/02/07 11:15
 Date Received: 10/03/07
 Field Prep: Field Filtered

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	3.4		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	21		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	1.0		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714606**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714606-04 R
 Client ID: MW-115-20071002-01
 Sample Location: WAYLAND, MA

Date Collected: 10/02/07 11:15
 Date Received: 10/03/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	104		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714606**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714606-05
 Client ID: MW-113-20071002-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/12/07 18:19
 Analyst: BS

Date Collected: 10/02/07 12:45
 Date Received: 10/03/07
 Field Prep: Field Filtered

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
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	14		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	1.2		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714606**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714606-05
 Client ID: MW-113-20071002-01
 Sample Location: WAYLAND, MA

Date Collected: 10/02/07 12:45
 Date Received: 10/03/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	109		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	108		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714606**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714606-06
 Client ID: MW-204D-20071002-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/12/07 18:49
 Analyst: BS

Date Collected: 10/02/07 11:45
 Date Received: 10/03/07
 Field Prep: Field Filtered

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
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	5.2		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
cis-1,2-Dichloroethene	16		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:** L0714606**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714606-06
 Client ID: MW-204D-20071002-01
 Sample Location: WAYLAND, MA

Date Collected: 10/02/07 11:45
 Date Received: 10/03/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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
1,4-Dioxane	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	110		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714606**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714606-07
 Client ID: MW-107-20071002-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/12/07 19:19
 Analyst: BS

Date Collected: 10/02/07 13:15
 Date Received: 10/03/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Methylene chloride	ND		ug/l	10	2
1,1-Dichloroethane	ND		ug/l	1.5	2
Chloroform	ND		ug/l	1.5	2
Carbon tetrachloride	ND		ug/l	1.0	2
1,2-Dichloropropane	ND		ug/l	3.5	2
Dibromochloromethane	ND		ug/l	1.0	2
1,1,2-Trichloroethane	ND		ug/l	1.5	2
Tetrachloroethene	ND		ug/l	1.0	2
Chlorobenzene	ND		ug/l	1.0	2
1,2-Dichloroethane	ND		ug/l	1.0	2
1,1,1-Trichloroethane	ND		ug/l	1.0	2
Bromodichloromethane	ND		ug/l	1.0	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	2
Bromoform	ND		ug/l	4.0	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	2
Chloromethane	ND		ug/l	5.0	2
Vinyl chloride	ND		ug/l	2.0	2
Chloroethane	ND		ug/l	2.0	2
1,1-Dichloroethene	ND		ug/l	1.0	2
trans-1,2-Dichloroethene	ND		ug/l	1.5	2
Trichloroethene	57		ug/l	1.0	2
1,2-Dichlorobenzene	ND		ug/l	5.0	2
1,3-Dichlorobenzene	ND		ug/l	5.0	2
1,4-Dichlorobenzene	ND		ug/l	5.0	2
cis-1,2-Dichloroethene	4.6		ug/l	1.0	2
Dichlorodifluoromethane	ND		ug/l	10	2
2,2-Dichloropropane	ND		ug/l	5.0	2
1,2-Dibromoethane	ND		ug/l	4.0	2
1,3-Dichloropropane	ND		ug/l	5.0	2

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714606**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714606-07
 Client ID: MW-107-20071002-01
 Sample Location: WAYLAND, MA

Date Collected: 10/02/07 13:15
 Date Received: 10/03/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	2
o-Chlorotoluene	ND		ug/l	5.0	2
p-Chlorotoluene	ND		ug/l	5.0	2
Hexachlorobutadiene	ND		ug/l	1.2	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	109		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714606**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714606-08
 Client ID: DUP-007-20071002-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/12/07 19:49
 Analyst: BS

Date Collected: 10/02/07 00:00
 Date Received: 10/03/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Methylene chloride	ND		ug/l	10	2
1,1-Dichloroethane	ND		ug/l	1.5	2
Chloroform	ND		ug/l	1.5	2
Carbon tetrachloride	ND		ug/l	1.0	2
1,2-Dichloropropane	ND		ug/l	3.5	2
Dibromochloromethane	ND		ug/l	1.0	2
1,1,2-Trichloroethane	ND		ug/l	1.5	2
Tetrachloroethene	ND		ug/l	1.0	2
Chlorobenzene	ND		ug/l	1.0	2
1,2-Dichloroethane	ND		ug/l	1.0	2
1,1,1-Trichloroethane	ND		ug/l	1.0	2
Bromodichloromethane	ND		ug/l	1.0	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	2
Bromoform	ND		ug/l	4.0	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	2
Chloromethane	ND		ug/l	5.0	2
Vinyl chloride	ND		ug/l	2.0	2
Chloroethane	ND		ug/l	2.0	2
1,1-Dichloroethene	ND		ug/l	1.0	2
trans-1,2-Dichloroethene	ND		ug/l	1.5	2
Trichloroethene	66		ug/l	1.0	2
1,2-Dichlorobenzene	ND		ug/l	5.0	2
1,3-Dichlorobenzene	ND		ug/l	5.0	2
1,4-Dichlorobenzene	ND		ug/l	5.0	2
cis-1,2-Dichloroethene	5.1		ug/l	1.0	2
Dichlorodifluoromethane	ND		ug/l	10	2
2,2-Dichloropropane	ND		ug/l	5.0	2
1,2-Dibromoethane	ND		ug/l	4.0	2
1,3-Dichloropropane	ND		ug/l	5.0	2

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714606**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714606-08
 Client ID: DUP-007-20071002-01
 Sample Location: WAYLAND, MA

Date Collected: 10/02/07 00:00
 Date Received: 10/03/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	2
o-Chlorotoluene	ND		ug/l	5.0	2
p-Chlorotoluene	ND		ug/l	5.0	2
Hexachlorobutadiene	ND		ug/l	1.2	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	109		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714606**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714606-09 R
 Client ID: DUP-005-20071002-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/13/07 18:14
 Analyst: BS

Date Collected: 10/02/07 00:00
 Date Received: 10/03/07
 Field Prep: Field Filtered

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
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	10		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	1.2		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714606**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714606-09 R
 Client ID: DUP-005-20071002-01
 Sample Location: WAYLAND, MA

Date Collected: 10/02/07 00:00
 Date Received: 10/03/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	103		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714606**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714606-10 R
 Client ID: DUP-006-20071002-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/13/07 18:53
 Analyst: BS

Date Collected: 10/02/07 00:00
 Date Received: 10/03/07
 Field Prep: Field Filtered

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
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	4.3		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	17		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714606**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714606-10 R
 Client ID: DUP-006-20071002-01
 Sample Location: WAYLAND, MA

Date Collected: 10/02/07 00:00
 Date Received: 10/03/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	104		70-130

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714606
Report Date: 10/15/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/12/07 11:16
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-03,05-08 Batch: WG297880-3				
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: L0714606
Report Date: 10/15/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/12/07 11:16
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-03,05-08 Batch: WG297880-3				
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: L0714606
Report Date: 10/15/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/12/07 11:16
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-03,05-08 Batch: WG297880-3				
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	96		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	105		70-130

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714606
Report Date: 10/15/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/13/07 16:57
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 04,09-10 Batch: WG297880-9				
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
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

Project Name: RAYTHEON WAYLAND

Lab Number: L0714606

Project Number: 0061882

Report Date: 10/15/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
 Analytical Date: 10/13/07 16:57
 Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 04,09-10 Batch: WG297880-9				
o-Chlorotoluene	ND		ug/l	2.5
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	93		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714606

Project Number: 0061882

Report Date: 10/15/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-03,05-08 Batch: WG297880-1 WG297880-2					
Methylene chloride	98	93	70-130	5	25
1,1-Dichloroethane	104	99	70-130	5	25
Chloroform	106	99	70-130	7	25
Carbon tetrachloride	118	115	70-130	3	25
1,2-Dichloropropane	104	100	70-130	4	25
Dibromochloromethane	101	98	70-130	3	25
1,1,2-Trichloroethane	97	93	70-130	4	25
Tetrachloroethene	116	108	70-130	7	25
Chlorobenzene	102	98	70-130	4	25
Trichlorofluoromethane	114	110	70-130	4	25
1,2-Dichloroethane	109	108	70-130	1	25
1,1,1-Trichloroethane	112	108	70-130	4	25
Bromodichloromethane	105	102	70-130	3	25
trans-1,3-Dichloropropene	98	96	70-130	2	25
cis-1,3-Dichloropropene	108	103	70-130	5	25
1,1-Dichloropropene	107	102	70-130	5	25
Bromoform	110	102	70-130	8	50
1,1,2,2-Tetrachloroethane	90	85	70-130	6	25
Benzene	104	100	70-130	4	25
Toluene	100	94	70-130	6	25
Ethylbenzene	103	98	70-130	5	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714606

Project Number: 0061882

Report Date: 10/15/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-03,05-08 Batch: WG297880-1 WG297880-2					
Chloromethane	70	67	70-130	4	50
Bromomethane	81	87	70-130	7	50
Vinyl chloride	81	77	70-130	5	25
Chloroethane	104	97	70-130	7	25
1,1-Dichloroethene	109	104	70-130	5	25
trans-1,2-Dichloroethene	106	100	70-130	6	25
Trichloroethene	111	107	70-130	4	25
1,2-Dichlorobenzene	98	95	70-130	3	25
1,3-Dichlorobenzene	101	97	70-130	4	25
1,4-Dichlorobenzene	102	95	70-130	7	25
Methyl tert butyl ether	107	98	70-130	9	25
p/m-Xylene	107	100	70-130	7	25
o-Xylene	108	102	70-130	6	25
cis-1,2-Dichloroethene	106	102	70-130	4	25
Dibromomethane	110	104	70-130	6	25
1,2,3-Trichloropropane	102	101	70-130	1	25
Styrene	106	100	70-130	6	25
Dichlorodifluoromethane	51	48	70-130	6	50
Acetone	134	114	70-130	16	50
Carbon disulfide	103	93	70-130	10	25
2-Butanone	118	111	70-130	6	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714606

Project Number: 0061882

Report Date: 10/15/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-03,05-08 Batch: WG297880-1 WG297880-2					
4-Methyl-2-pentanone	115	107	70-130	7	50
2-Hexanone	102	93	70-130	9	50
Bromochloromethane	112	108	70-130	4	25
Tetrahydrofuran	111	103	70-130	7	25
2,2-Dichloropropane	121	114	70-130	6	50
1,2-Dibromoethane	99	97	70-130	2	25
1,3-Dichloropropane	96	92	70-130	4	25
1,1,1,2-Tetrachloroethane	105	102	70-130	3	25
Bromobenzene	102	98	70-130	4	25
n-Butylbenzene	105	95	70-130	10	25
sec-Butylbenzene	109	101	70-130	8	25
tert-Butylbenzene	108	102	70-130	6	25
o-Chlorotoluene	100	93	70-130	7	25
p-Chlorotoluene	99	96	70-130	3	25
1,2-Dibromo-3-chloropropane	86	87	70-130	1	50
Hexachlorobutadiene	83	76	70-130	9	25
Isopropylbenzene	116	110	70-130	5	25
p-Isopropyltoluene	110	102	70-130	8	25
Naphthalene	82	82	70-130	0	25
n-Propylbenzene	106	100	70-130	6	25
1,2,3-Trichlorobenzene	88	85	70-130	3	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714606

Project Number: 0061882

Report Date: 10/15/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-03,05-08 Batch: WG297880-1 WG297880-2					
1,2,4-Trichlorobenzene	91	88	70-130	3	25
1,3,5-Trimethylbenzene	106	99	70-130	7	25
1,2,4-Trimethylbenzene	106	99	70-130	7	25
Ethyl ether	106	98	70-130	8	25
Isopropyl Ether	102	93	70-130	9	25
Ethyl-Tert-Butyl-Ether	107	99	70-130	8	25
Tertiary-Amyl Methyl Ether	107	99	70-130	8	25
1,4-Dioxane	142	150	70-130	5	50

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		102		70-130
Toluene-d8	95		96		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	103		105		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714606

Project Number: 0061882

Report Date: 10/15/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 04,09-10 Batch: WG297880-7 WG297880-8					
Methylene chloride	86	84	70-130	2	25
1,1-Dichloroethane	82	83	70-130	1	25
Chloroform	84	86	70-130	2	25
Carbon tetrachloride	79	79	70-130	0	25
1,2-Dichloropropane	81	84	70-130	4	25
Dibromochloromethane	86	86	70-130	0	25
1,1,2-Trichloroethane	77	80	70-130	4	25
Tetrachloroethene	81	82	70-130	1	25
Chlorobenzene	80	83	70-130	4	25
1,2-Dichloroethane	81	82	70-130	1	25
1,1,1-Trichloroethane	82	84	70-130	2	25
Bromodichloromethane	83	83	70-130	0	25
trans-1,3-Dichloropropene	77	78	70-130	1	25
cis-1,3-Dichloropropene	82	84	70-130	2	25
Bromoform	85	86	70-130	1	50
1,1,2,2-Tetrachloroethane	89	93	70-130	4	25
Chloromethane	88	88	70-130	0	50
Vinyl chloride	82	86	70-130	5	25
Chloroethane	83	86	70-130	4	25
1,1-Dichloroethene	82	87	70-130	6	25
trans-1,2-Dichloroethene	84	88	70-130	5	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714606

Project Number: 0061882

Report Date: 10/15/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 04,09-10 Batch: WG297880-7 WG297880-8					
Trichloroethene	77	80	70-130	4	25
1,2-Dichlorobenzene	82	82	70-130	0	25
1,3-Dichlorobenzene	84	84	70-130	0	25
1,4-Dichlorobenzene	85	84	70-130	1	25
cis-1,2-Dichloroethene	83	84	70-130	1	25
Dichlorodifluoromethane	100	103	70-130	3	50
2,2-Dichloropropane	88	90	70-130	2	50
1,2-Dibromoethane	80	82	70-130	2	25
1,3-Dichloropropane	79	81	70-130	3	25
1,1,1,2-Tetrachloroethane	78	79	70-130	1	25
o-Chlorotoluene	80	82	70-130	2	25
p-Chlorotoluene	82	84	70-130	2	25
Hexachlorobutadiene	79	85	70-130	7	25
1,2,4-Trichlorobenzene	77	80	70-130	4	25

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		100		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	100		98		70-130
Dibromofluoromethane	105		105		70-130

METALS



Project Name: RAYTHEON WAYLAND**Lab Number:** L0714606**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714606-01

Date Collected: 10/02/07 08:35

Client ID: MW-203M-20071002-01

Date Received: 10/03/07

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
Dissolved Metals by MCP 6000/7000 series										
Sodium, Dissolved	97		mg/l	2.0	1	10/08/07 16:30	10/09/07 16:42	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON WAYLAND**Lab Number:** L0714606**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714606-02

Date Collected: 10/02/07 09:00

Client ID: MW-204M-20071002-01

Date Received: 10/03/07

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
Dissolved Metals by MCP 6000/7000 series										
Sodium, Dissolved	34		mg/l	2.0	1	10/08/07 16:30	10/09/07 16:53	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON WAYLAND**Lab Number:** L0714606**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714606-03

Date Collected: 10/02/07 09:40

Client ID: MW-203S-20071002-01

Date Received: 10/03/07

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
Dissolved Metals by MCP 6000/7000 series										
Sodium, Dissolved	52		mg/l	2.0	1	10/08/07 16:30	10/09/07 16:56	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON WAYLAND**Lab Number:** L0714606**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714606-04

Date Collected: 10/02/07 11:15

Client ID: MW-115-20071002-01

Date Received: 10/03/07

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
Dissolved Metals by MCP 6000/7000 series										
Sodium, Dissolved	56		mg/l	2.0	1	10/08/07 16:30	10/09/07 17:00	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON WAYLAND**Lab Number:** L0714606**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714606-05

Date Collected: 10/02/07 12:45

Client ID: MW-113-20071002-01

Date Received: 10/03/07

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
Dissolved Metals by MCP 6000/7000 series										
Sodium, Dissolved	29		mg/l	2.0	1	10/08/07 16:30	10/09/07 17:04	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON WAYLAND**Lab Number:** L0714606**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714606-06

Date Collected: 10/02/07 11:45

Client ID: MW-204D-20071002-01

Date Received: 10/03/07

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
Dissolved Metals by MCP 6000/7000 series										
Sodium, Dissolved	120		mg/l	2.0	1	10/08/07 16:30	10/09/07 17:31	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON WAYLAND**Lab Number:** L0714606**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714606-09

Date Collected: 10/02/07 00:00

Client ID: DUP-005-20071002-01

Date Received: 10/03/07

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
Dissolved Metals by MCP 6000/7000 series										
Sodium, Dissolved	30		mg/l	2.0	1	10/08/07 16:30	10/09/07 17:35	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON WAYLAND**Lab Number:** L0714606**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714606-10

Date Collected: 10/02/07 00:00

Client ID: DUP-006-20071002-01

Date Received: 10/03/07

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
Dissolved Metals by MCP 6000/7000 series										
Sodium, Dissolved	120		mg/l	2.0	1	10/08/07 16:30	10/09/07 17:38	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON WAYLAND

Lab Number: L0714606

Project Number: 0061882

Report Date: 10/15/07

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series for sample(s): 01-06,09-10 Batch: WG297218-1									
Sodium, Dissolved	ND		mg/l	2.0	1	10/08/07 16:30	10/09/07 16:25	60,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714606

Project Number: 0061882

Report Date: 10/15/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals by MCP 6000/7000 series Associated sample(s): 01-06,09-10 Batch: WG297218-2 WG297218-3					
Sodium, Dissolved	96	95	80-120	1	20

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714606
Report Date: 10/15/07

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
L0714606-01A	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714606-01B	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714606-01C	Plastic 500ml HNO3 preserved	A	<2	3.9 C	Y	Absent	MCP-NA-6010S
L0714606-02A	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714606-02B	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714606-02C	Plastic 500ml HNO3 preserved	A	<2	3.9 C	Y	Absent	MCP-NA-6010S
L0714606-03A	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714606-03B	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714606-03C	Plastic 500ml HNO3 preserved	A	<2	3.9 C	Y	Absent	MCP-NA-6010S
L0714606-04A	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714606-04B	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714606-04C	Plastic 500ml HNO3 preserved	A	<2	3.9 C	Y	Absent	MCP-NA-6010S
L0714606-05A	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714606-05B	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714606-05C	Plastic 500ml HNO3 preserved	A	<2	3.9 C	Y	Absent	MCP-NA-6010S
L0714606-06A	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714606-06B	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714606-06C	Plastic 500ml HNO3 preserved	A	<2	3.9 C	Y	Absent	MCP-NA-6010S
L0714606-07A	Vial Na2S2O3 preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714606-07B	Vial Na2S2O3 preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714606-08A	Vial Na2S2O3 preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714606-08B	Vial Na2S2O3 preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714606-09A	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714606-09B	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714606-09C	Plastic 500ml HNO3 preserved	A	<2	3.9 C	Y	Absent	MCP-NA-6010S
L0714606-10A	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714606-10B	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714606-10C	Plastic 500ml HNO3 preserved	A	<2	3.9 C	Y	Absent	MCP-NA-6010S

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714606
Report Date: 10/15/07

GLOSSARY

Acronyms

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

Terms

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

Data Qualifiers

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

A - Spectra identified as "Aldol Condensation Product".

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

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

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

Standard Qualifiers

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

Report Format: Not Specified



Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714606
Report Date: 10/15/07

REFERENCES

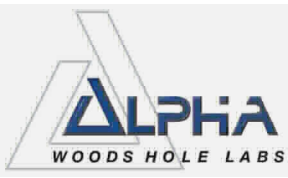
- 60 Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). May 2004.

LIMITATION OF LIABILITIES

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

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





ANALYTICAL REPORT

Lab Number: L0714604

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

ATTN: Jeremy Picard

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Report Date: 10/12/07

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: L0714604
Report Date: 10/12/07

Alpha Sample ID	Client ID	Sample Location
L0714604-01	MW-202S-20071002-01	WAYLAND, MA



Project Name: RAYTHEON WAYLAND

Lab Number: L0714604

Project Number: 0061882

Report Date: 10/12/07

MADEP MCP Response Action Analytical Report Certification

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

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

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

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

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



Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714604
Report Date: 10/12/07

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

Sample Receipt

The samples were Field Filtered for Dissolved Metals only.

Volatile Organics

In reference to question E:

The WG297742-1/-2 LCS/LCSD % recoveries for Dichlorodifluoromethane are below, and the LCS/LCSD % recoveries for 1,4-Dioxane are above, the individual acceptance criteria for the compounds, but within the overall method allowances. These are both difficult analytes.

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.

Metals

In reference to question F:

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

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

Authorized Signature:



Title: Technical Director/Representative

Date: 10/12/07

ORGANICS

VOLATILES

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714604**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714604-01
 Client ID: MW-202S-20071002-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/11/07 18:57
 Analyst: BS

Date Collected: 10/02/07 15:52
 Date Received: 10/03/07
 Field Prep: Field Filtered

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
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
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714604**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714604-01

Date Collected: 10/02/07 15:52

Client ID: MW-202S-20071002-01

Date Received: 10/03/07

Sample Location: WAYLAND, MA

Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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
1,4-Dioxane	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	104		70-130

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714604
Report Date: 10/12/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/11/07 14:50
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01 Batch: WG297742-3				
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: L0714604
Report Date: 10/12/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/11/07 14:50
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01 Batch: WG297742-3				
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: L0714604
Report Date: 10/12/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/11/07 14:50
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
-----------	--------	-----------	-------	-----

Volatile Organics by MCP 8260B for sample(s): 01 Batch: WG297742-3

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	106		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714604

Project Number: 0061882

Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01 Batch: WG297742-1 WG297742-2					
Methylene chloride	100	96	70-130	4	25
1,1-Dichloroethane	105	99	70-130	6	25
Chloroform	112	106	70-130	6	25
Carbon tetrachloride	124	118	70-130	5	25
1,2-Dichloropropane	104	99	70-130	5	25
Dibromochloromethane	107	103	70-130	4	25
1,1,2-Trichloroethane	99	95	70-130	4	25
Tetrachloroethene	116	111	70-130	4	25
Chlorobenzene	105	100	70-130	5	25
Trichlorofluoromethane	124	115	70-130	8	25
1,2-Dichloroethane	111	110	70-130	1	25
1,1,1-Trichloroethane	117	111	70-130	5	25
Bromodichloromethane	111	107	70-130	4	25
trans-1,3-Dichloropropene	103	99	70-130	4	25
cis-1,3-Dichloropropene	107	105	70-130	2	25
1,1-Dichloropropene	108	102	70-130	6	25
Bromoform	110	108	70-130	2	50
1,1,2,2-Tetrachloroethane	92	91	70-130	1	25
Benzene	104	100	70-130	4	25
Toluene	101	98	70-130	3	25
Ethylbenzene	105	100	70-130	5	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714604

Project Number: 0061882

Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01 Batch: WG297742-1 WG297742-2					
Chloromethane	77	72	70-130	7	50
Bromomethane	97	94	70-130	3	50
Vinyl chloride	88	81	70-130	8	25
Chloroethane	108	100	70-130	8	25
1,1-Dichloroethene	113	105	70-130	7	25
trans-1,2-Dichloroethene	106	102	70-130	4	25
Trichloroethene	110	105	70-130	5	25
1,2-Dichlorobenzene	97	96	70-130	1	25
1,3-Dichlorobenzene	102	100	70-130	2	25
1,4-Dichlorobenzene	99	100	70-130	1	25
Methyl tert butyl ether	103	100	70-130	3	25
p/m-Xylene	107	103	70-130	4	25
o-Xylene	110	104	70-130	6	25
cis-1,2-Dichloroethene	108	103	70-130	5	25
Dibromomethane	111	111	70-130	0	25
1,2,3-Trichloropropane	102	102	70-130	0	25
Styrene	108	104	70-130	4	25
Dichlorodifluoromethane	65	60	70-130	8	50
Acetone	120	102	70-130	16	50
Carbon disulfide	95	89	70-130	7	25
2-Butanone	100	98	70-130	2	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714604

Project Number: 0061882

Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01 Batch: WG297742-1 WG297742-2					
4-Methyl-2-pentanone	95	98	70-130	3	50
2-Hexanone	91	87	70-130	4	50
Bromochloromethane	113	109	70-130	4	25
Tetrahydrofuran	98	91	70-130	7	25
2,2-Dichloropropane	120	111	70-130	8	50
1,2-Dibromoethane	104	99	70-130	5	25
1,3-Dichloropropane	98	95	70-130	3	25
1,1,1,2-Tetrachloroethane	111	106	70-130	5	25
Bromobenzene	103	102	70-130	1	25
n-Butylbenzene	100	95	70-130	5	25
sec-Butylbenzene	106	102	70-130	4	25
tert-Butylbenzene	106	104	70-130	2	25
o-Chlorotoluene	98	97	70-130	1	25
p-Chlorotoluene	98	94	70-130	4	25
1,2-Dibromo-3-chloropropane	83	89	70-130	7	50
Hexachlorobutadiene	79	74	70-130	7	25
Isopropylbenzene	118	113	70-130	4	25
p-Isopropyltoluene	108	104	70-130	4	25
Naphthalene	81	83	70-130	2	25
n-Propylbenzene	104	101	70-130	3	25
1,2,3-Trichlorobenzene	87	86	70-130	1	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714604

Project Number: 0061882

Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01 Batch: WG297742-1 WG297742-2					
1,2,4-Trichlorobenzene	90	88	70-130	2	25
1,3,5-Trimethylbenzene	105	102	70-130	3	25
1,2,4-Trimethylbenzene	104	101	70-130	3	25
Ethyl ether	102	99	70-130	3	25
Isopropyl Ether	96	94	70-130	2	25
Ethyl-Tert-Butyl-Ether	105	98	70-130	7	25
Tertiary-Amyl Methyl Ether	104	100	70-130	4	25
1,4-Dioxane	139	137	70-130	1	50

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		102		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	96		97		70-130
Dibromofluoromethane	105		103		70-130

METALS



Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714604
Report Date: 10/12/07

SAMPLE RESULTS

Lab ID: L0714604-01
 Client ID: MW-202S-20071002-01
 Sample Location: WAYLAND, MA
 Matrix: Water

Date Collected: 10/02/07 15:52
 Date Received: 10/03/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series										
Sodium, Dissolved	44		mg/l	2.0	1	10/05/07 17:00	10/08/07 20:20	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714604
Report Date: 10/12/07

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series for sample(s): 01 Batch: WG296955-1									
Sodium, Dissolved	ND		mg/l	2.0	1	10/05/07 17:00	10/08/07 19:06	60,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714604

Project Number: 0061882

Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals by MCP 6000/7000 series Associated sample(s): 01 Batch: WG296955-2 WG296955-3					
Sodium, Dissolved	100	99	80-120	1	20

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714604**Project Number:** 0061882**Report Date:** 10/12/07**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
L0714604-01A	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714604-01B	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714604-01C	Plastic 250ml HNO3 preserved	A	<2	3.9 C	Y	Absent	MCP-NA-6010S

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714604
Report Date: 10/12/07

GLOSSARY

Acronyms

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

Terms

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

Data Qualifiers

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

A - Spectra identified as "Aldol Condensation Product".

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

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

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

Standard Qualifiers

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

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714604
Report Date: 10/12/07

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-IIIA (Revision 5). May 2004.

LIMITATION OF LIABILITIES

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

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



CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 10/13

ALPHA Job #: L0214604

E



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

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

Client Information

Client: **ERM - Boston**
Address: **399 Burlington St 6th Floor**
Boston MA 02116
Phone: **(617) 646-7800**
Fax: **(617) 247-6447**
Email: **jeremy.pieard@erm.com**

Project Name: **RAVNHAM WAYLAND**
Project Location: **WAYLAND, MA**
Project #: **0061832**
Project Manager: **Jeremy Pieard**
ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
Date Due: **10/10** Time:

Other Project Specific Requirements/Comments/Detection Limits:

Report Information - Data Deliverables

FAX EMAIL
 ADEX Add'l Deliverables

Billing Information

Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program Criteria

MA MCP PRESUMPTIVE CERTAINTY ... CT REASONABLE CONFIDENCE PROTOCOLS

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

SAMPLE HANDLING

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

Sample Specific Comments

Sample Specific Comments

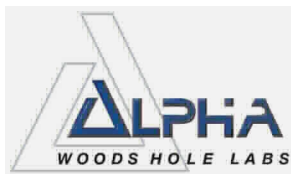
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	Date	Time	Container Type	Preservative	Date/Time	Received By:	Date/Time	Sample Specific Comments
		Date	Time										
	4604.1	MW-2025-20071002-01	10/2/07	15:52	GNW	MS	2.1	V	P	10/3/07	10/3/07	1400	3
(The rest of the table is crossed out with a diagonal line)													

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT
MA MCP or CT RCP?

Reinquished By:	Date/Time	Received By:	Date/Time
<i>[Signature]</i>	10/3/07	<i>[Signature]</i>	10/3/07

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



ANALYTICAL REPORT

Lab Number: L0714602

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

ATTN: Jeremy Picard

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Report Date: 10/11/07

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: L0714602
Report Date: 10/11/07

Alpha Sample ID	Client ID	Sample Location
L0714602-01	MW-109-20071002-01	WAYLAND, MA
L0714602-02	MW-33S-20071002-01	WAYLAND, MA
L0714602-03	MW-111-20071002-01	WAYLAND, MA
L0714602-04	MW-201S-20071002-01	WAYLAND, MA
L0714602-05	TB-002-20070928-01	WAYLAND, MA

Project Name: RAYTHEON WAYLAND

Lab Number: L0714602

Project Number: 0061882

Report Date: 10/11/07

MADEP MCP Response Action Analytical Report Certification

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

An affirmative response to questions A, B, C & D is required for "Presumptive Certainty" status		
A	Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set?	YES
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	YES
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	YES
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	N/A
A response to questions E and F is required for "Presumptive Certainty" status		
E	Were all QC performance standards and recommendations for the specified method(s) achieved?	NO
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	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: L0714602
Report Date: 10/11/07

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

Sample Receipt

The samples were Field Filtered for Dissolved Metals only.

Volatile Organics

In reference to question E:

The WG297499-1/2 LCSD % recovery for Bromoform, a difficult analyte, is below the individual acceptance criteria for the compound, but within the overall method allowances.

The WG297742-1/2 LCS/LCSD % recoveries for Dichlorodifluoromethane, a difficult analyte, are below the individual acceptance criteria for the compound, but within the overall method allowances.

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.

Metals

In reference to question F:

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

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

Authorized Signature: 

Title: Technical Director/Representative

Date: 10/11/07

ORGANICS

VOLATILES

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714602**Project Number:** 0061882**Report Date:** 10/11/07**SAMPLE RESULTS**

Lab ID: L0714602-01
Client ID: MW-109-20071002-01
Sample Location: WAYLAND, MA
Matrix: Water
Anaytical Method: 60,8260B
Analytical Date: 10/10/07 14:56
Analyst: BS

Date Collected: 10/02/07 14:35
Date Received: 10/03/07
Field Prep: Field Filtered

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
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	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	2.5		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714602**Project Number:** 0061882**Report Date:** 10/11/07**SAMPLE RESULTS**

Lab ID: L0714602-01

Date Collected: 10/02/07 14:35

Client ID: MW-109-20071002-01

Date Received: 10/03/07

Sample Location: WAYLAND, MA

Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	126		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	117		70-130
Dibromofluoromethane	104		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714602**Project Number:** 0061882**Report Date:** 10/11/07**SAMPLE RESULTS**

Lab ID: L0714602-02
 Client ID: MW-33S-20071002-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/10/07 15:43
 Analyst: BS

Date Collected: 10/02/07 16:00
 Date Received: 10/03/07
 Field Prep: Field Filtered

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	37		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	140		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	0.50		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714602**Project Number:** 0061882**Report Date:** 10/11/07**SAMPLE RESULTS**

Lab ID: L0714602-02
 Client ID: MW-33S-20071002-01
 Sample Location: WAYLAND, MA

Date Collected: 10/02/07 16:00
 Date Received: 10/03/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	124		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	106		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714602**Project Number:** 0061882**Report Date:** 10/11/07**SAMPLE RESULTS**

Lab ID: L0714602-03
 Client ID: MW-111-20071002-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/11/07 17:00
 Analyst: BS

Date Collected: 10/02/07 14:25
 Date Received: 10/03/07
 Field Prep: Field Filtered

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	0.77		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	27		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	7.1		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714602**Project Number:** 0061882**Report Date:** 10/11/07**SAMPLE RESULTS**

Lab ID: L0714602-03
 Client ID: MW-111-20071002-01
 Sample Location: WAYLAND, MA

Date Collected: 10/02/07 14:25
 Date Received: 10/03/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	109		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	105		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714602**Project Number:** 0061882**Report Date:** 10/11/07**SAMPLE RESULTS**

Lab ID: L0714602-04
 Client ID: MW-201S-20071002-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/10/07 17:01
 Analyst: BS

Date Collected: 10/02/07 10:10
 Date Received: 10/03/07
 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
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	0.62		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
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714602**Project Number:** 0061882**Report Date:** 10/11/07**SAMPLE RESULTS**

Lab ID: L0714602-04
 Client ID: MW-201S-20071002-01
 Sample Location: WAYLAND, MA

Date Collected: 10/02/07 10:10
 Date Received: 10/03/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	127		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	101		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714602**Project Number:** 0061882**Report Date:** 10/11/07**SAMPLE RESULTS**

Lab ID: L0714602-05
 Client ID: TB-002-20070928-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/10/07 17:40
 Analyst: BS

Date Collected: 09/28/07 13:10
 Date Received: 10/03/07
 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
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
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714602**Project Number:** 0061882**Report Date:** 10/11/07**SAMPLE RESULTS**

Lab ID: L0714602-05
 Client ID: TB-002-20070928-01
 Sample Location: WAYLAND, MA

Date Collected: 09/28/07 13:10
 Date Received: 10/03/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	127		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	102		70-130

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714602
Report Date: 10/11/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/10/07 11:19
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-02,04-05 Batch: WG297499-3				
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: L0714602
Report Date: 10/11/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/10/07 11:19
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-02,04-05 Batch: WG297499-3				
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: L0714602
Report Date: 10/11/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/10/07 11:19
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-02,04-05 Batch: WG297499-3				
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	120		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	102		70-130

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714602
Report Date: 10/11/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/11/07 14:50
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 03 Batch: WG297742-3				
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: L0714602
Report Date: 10/11/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/11/07 14:50
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
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Volatile Organics by MCP 8260B for sample(s): 03 Batch: WG297742-3

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: L0714602
Report Date: 10/11/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/11/07 14:50
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
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Volatile Organics by MCP 8260B for sample(s): 03 Batch: WG297742-3

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	106		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Lab Number: L0714602

Report Date: 10/11/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-02,04-05 Batch: WG297499-1 WG297499-2					
Methylene chloride	87	94	70-130	8	25
1,1-Dichloroethane	104	109	70-130	5	25
Chloroform	107	111	70-130	4	25
Carbon tetrachloride	83	87	70-130	5	25
1,2-Dichloropropane	102	106	70-130	4	25
Dibromochloromethane	78	76	70-130	3	25
1,1,2-Trichloroethane	100	101	70-130	1	25
Tetrachloroethene	84	94	70-130	11	25
Chlorobenzene	91	95	70-130	4	25
Trichlorofluoromethane	134	137	70-130	2	25
1,2-Dichloroethane	116	113	70-130	3	25
1,1,1-Trichloroethane	97	104	70-130	7	25
Bromodichloromethane	101	100	70-130	1	25
trans-1,3-Dichloropropene	98	97	70-130	1	25
cis-1,3-Dichloropropene	95	96	70-130	1	25
1,1-Dichloropropene	100	108	70-130	8	25
Bromoform	73	68	70-130	7	50
1,1,1,2-Tetrachloroethane	105	104	70-130	1	25
Benzene	94	101	70-130	7	25
Toluene	91	97	70-130	6	25
Ethylbenzene	93	100	70-130	7	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Lab Number: L0714602

Report Date: 10/11/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-02,04-05 Batch: WG297499-1 WG297499-2					
Chloromethane	96	104	70-130	8	50
Bromomethane	97	90	70-130	7	50
Vinyl chloride	93	100	70-130	7	25
Chloroethane	121	123	70-130	2	25
1,1-Dichloroethene	104	112	70-130	7	25
trans-1,2-Dichloroethene	91	98	70-130	7	25
Trichloroethene	96	106	70-130	10	25
1,2-Dichlorobenzene	91	91	70-130	0	25
1,3-Dichlorobenzene	89	93	70-130	4	25
1,4-Dichlorobenzene	90	93	70-130	3	25
Methyl tert butyl ether	109	113	70-130	4	25
p/m-Xylene	90	98	70-130	9	25
o-Xylene	95	102	70-130	7	25
cis-1,2-Dichloroethene	95	99	70-130	4	25
Dibromomethane	105	102	70-130	3	25
1,2,3-Trichloropropane	123	121	70-130	2	25
Styrene	95	99	70-130	4	25
Dichlorodifluoromethane	81	86	70-130	6	50
Acetone	123	145	70-130	8	50
Carbon disulfide	106	117	70-130	10	25
2-Butanone	121	122	70-130	1	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Lab Number: L0714602

Report Date: 10/11/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-02,04-05 Batch: WG297499-1 WG297499-2					
4-Methyl-2-pentanone	104	108	70-130	4	50
2-Hexanone	110	108	70-130	2	50
Bromochloromethane	96	98	70-130	2	25
Tetrahydrofuran	125	132	70-130	5	25
2,2-Dichloropropane	102	112	70-130	9	50
1,2-Dibromoethane	101	101	70-130	0	25
1,3-Dichloropropane	106	107	70-130	1	25
1,1,1,2-Tetrachloroethane	80	81	70-130	1	25
Bromobenzene	93	92	70-130	1	25
n-Butylbenzene	99	108	70-130	9	25
sec-Butylbenzene	95	107	70-130	12	25
tert-Butylbenzene	91	102	70-130	11	25
o-Chlorotoluene	98	103	70-130	5	25
p-Chlorotoluene	99	102	70-130	3	25
1,2-Dibromo-3-chloropropane	104	100	70-130	4	50
Hexachlorobutadiene	76	89	70-130	16	25
Isopropylbenzene	98	108	70-130	10	25
p-Isopropyltoluene	94	103	70-130	9	25
Naphthalene	95	93	70-130	2	25
n-Propylbenzene	97	108	70-130	11	25
1,2,3-Trichlorobenzene	90	91	70-130	1	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Lab Number: L0714602

Report Date: 10/11/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-02,04-05 Batch: WG297499-1 WG297499-2					
1,2,4-Trichlorobenzene	86	87	70-130	1	25
1,3,5-Trimethylbenzene	92	99	70-130	7	25
1,2,4-Trimethylbenzene	95	99	70-130	4	25
Ethyl ether	128	127	70-130	1	25
Isopropyl Ether	105	108	70-130	3	25
Ethyl-Tert-Butyl-Ether	107	109	70-130	2	25
Tertiary-Amyl Methyl Ether	105	108	70-130	3	25
1,4-Dioxane	120	138	70-130	14	50

Surrogate	LCS %Recovery Qualifier	LCSD %Recovery Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118	113	70-130
Toluene-d8	101	102	70-130
4-Bromofluorobenzene	109	107	70-130
Dibromofluoromethane	100	101	70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714602

Project Number: 0061882

Report Date: 10/11/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 03 Batch: WG297742-1 WG297742-2					
Methylene chloride	100	96	70-130	4	25
1,1-Dichloroethane	105	99	70-130	6	25
Chloroform	112	106	70-130	6	25
Carbon tetrachloride	124	118	70-130	5	25
1,2-Dichloropropane	104	99	70-130	5	25
Dibromochloromethane	107	103	70-130	4	25
1,1,2-Trichloroethane	99	95	70-130	4	25
Tetrachloroethene	116	111	70-130	4	25
Chlorobenzene	105	100	70-130	5	25
Trichlorofluoromethane	124	115	70-130	8	25
1,2-Dichloroethane	111	110	70-130	1	25
1,1,1-Trichloroethane	117	111	70-130	5	25
Bromodichloromethane	111	107	70-130	4	25
trans-1,3-Dichloropropene	103	99	70-130	4	25
cis-1,3-Dichloropropene	107	105	70-130	2	25
1,1-Dichloropropene	108	102	70-130	6	25
Bromoform	110	108	70-130	2	50
1,1,2,2-Tetrachloroethane	92	91	70-130	1	25
Benzene	104	100	70-130	4	25
Toluene	101	98	70-130	3	25
Ethylbenzene	105	100	70-130	5	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714602

Project Number: 0061882

Report Date: 10/11/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 03 Batch: WG297742-1 WG297742-2					
Chloromethane	77	72	70-130	7	50
Bromomethane	97	94	70-130	3	50
Vinyl chloride	88	81	70-130	8	25
Chloroethane	108	100	70-130	8	25
1,1-Dichloroethene	113	105	70-130	7	25
trans-1,2-Dichloroethene	106	102	70-130	4	25
Trichloroethene	110	105	70-130	5	25
1,2-Dichlorobenzene	97	96	70-130	1	25
1,3-Dichlorobenzene	102	100	70-130	2	25
1,4-Dichlorobenzene	99	100	70-130	1	25
Methyl tert butyl ether	103	100	70-130	3	25
p/m-Xylene	107	103	70-130	4	25
o-Xylene	110	104	70-130	6	25
cis-1,2-Dichloroethene	108	103	70-130	5	25
Dibromomethane	111	111	70-130	0	25
1,2,3-Trichloropropane	102	102	70-130	0	25
Styrene	108	104	70-130	4	25
Dichlorodifluoromethane	65	60	70-130	8	50
Acetone	120	102	70-130	16	50
Carbon disulfide	95	89	70-130	7	25
2-Butanone	100	98	70-130	2	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714602

Project Number: 0061882

Report Date: 10/11/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 03 Batch: WG297742-1 WG297742-2					
4-Methyl-2-pentanone	95	98	70-130	3	50
2-Hexanone	91	87	70-130	4	50
Bromochloromethane	113	109	70-130	4	25
Tetrahydrofuran	98	91	70-130	7	25
2,2-Dichloropropane	120	111	70-130	8	50
1,2-Dibromoethane	104	99	70-130	5	25
1,3-Dichloropropane	98	95	70-130	3	25
1,1,1,2-Tetrachloroethane	111	106	70-130	5	25
Bromobenzene	103	102	70-130	1	25
n-Butylbenzene	100	95	70-130	5	25
sec-Butylbenzene	106	102	70-130	4	25
tert-Butylbenzene	106	104	70-130	2	25
o-Chlorotoluene	98	97	70-130	1	25
p-Chlorotoluene	98	94	70-130	4	25
1,2-Dibromo-3-chloropropane	83	89	70-130	7	50
Hexachlorobutadiene	79	74	70-130	7	25
Isopropylbenzene	118	113	70-130	4	25
p-Isopropyltoluene	108	104	70-130	4	25
Naphthalene	81	83	70-130	2	25
n-Propylbenzene	104	101	70-130	3	25
1,2,3-Trichlorobenzene	87	86	70-130	1	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Lab Number: L0714602

Report Date: 10/11/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 03 Batch: WG297742-1 WG297742-2					
1,2,4-Trichlorobenzene	90	88	70-130	2	25
1,3,5-Trimethylbenzene	105	102	70-130	3	25
1,2,4-Trimethylbenzene	104	101	70-130	3	25
Ethyl ether	102	99	70-130	3	25
Isopropyl Ether	96	94	70-130	2	25
Ethyl-Tert-Butyl-Ether	105	98	70-130	7	25
Tertiary-Amyl Methyl Ether	104	100	70-130	4	25
1,4-Dioxane	139	137	70-130	1	50

Surrogate	LCS %Recovery Qualifier	LCSD %Recovery Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103	102	70-130
Toluene-d8	96	96	70-130
4-Bromofluorobenzene	96	97	70-130
Dibromofluoromethane	105	103	70-130

METALS



Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714602
Report Date: 10/11/07

SAMPLE RESULTS

Lab ID: L0714602-01
 Client ID: MW-109-20071002-01
 Sample Location: WAYLAND, MA
 Matrix: Water

Date Collected: 10/02/07 14:35
 Date Received: 10/03/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series										
Sodium, Dissolved	15		mg/l	2.0	1	10/05/07 17:00	10/08/07 20:08	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON WAYLAND**Lab Number:** L0714602**Project Number:** 0061882**Report Date:** 10/11/07**SAMPLE RESULTS**

Lab ID: L0714602-02

Date Collected: 10/02/07 16:00

Client ID: MW-33S-20071002-01

Date Received: 10/03/07

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
Dissolved Metals by MCP 6000/7000 series										
Sodium, Dissolved	11		mg/l	2.0	1	10/05/07 17:00	10/08/07 20:12	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON WAYLAND**Lab Number:** L0714602**Project Number:** 0061882**Report Date:** 10/11/07**SAMPLE RESULTS**

Lab ID: L0714602-03

Date Collected: 10/02/07 14:25

Client ID: MW-111-20071002-01

Date Received: 10/03/07

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
Dissolved Metals by MCP 6000/7000 series										
Sodium, Dissolved	27		mg/l	2.0	1	10/05/07 17:00	10/08/07 20:16	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON WAYLAND

Lab Number: L0714602

Project Number: 0061882

Report Date: 10/11/07

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series for sample(s): 01-03 Batch: WG296955-1									
Sodium, Dissolved	ND		mg/l	2.0	1	10/05/07 17:00	10/08/07 19:06	60,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Lab Number: L0714602

Report Date: 10/11/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals by MCP 6000/7000 series Associated sample(s): 01-03 Batch: WG296955-2 WG296955-3					
Sodium, Dissolved	100	99	80-120	1	20

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714602**Project Number:** 0061882**Report Date:** 10/11/07**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
L0714602-01A	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714602-01B	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714602-01C	Plastic 250ml HNO3 preserved	A	<2	3.9 C	Y	Absent	MCP-NA-6010S
L0714602-02A	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714602-02B	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714602-02C	Plastic 250ml HNO3 preserved	A	<2	3.9 C	Y	Absent	MCP-NA-6010S
L0714602-03A	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714602-03B	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714602-03C	Plastic 250ml HNO3 preserved	A	<2	3.9 C	Y	Absent	MCP-NA-6010S
L0714602-04A	Vial Na2S2O3 preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714602-04B	Vial Na2S2O3 preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714602-05A	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714602
Report Date: 10/11/07

GLOSSARY

Acronyms

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

Terms

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

Data Qualifiers

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

- A - Spectra identified as "Aldol Condensation Product".
B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
J - Estimated value. The analyte was tentatively identified; the quantitation is an estimation. (Tentatively identified compounds only.)

Standard Qualifiers

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

Report Format: Not Specified



Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714602
Report Date: 10/11/07

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-IIIA (Revision 5). May 2004.

LIMITATION OF LIABILITIES

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

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





CHAIN OF CUSTODY

PAGE 1 OF 1

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

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

Client Information

Client: ERM

Address: 399 Boston St

Phone: 617-646-9800

Fax: 617-267-6447

Email: Jeremy.Harris@erm.com

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Project Information

Project Name: RAYNHAM WYLAND

Project Location: WYLAND, MA

Project #: 061192

Project Manager: Jeremy Harris

ALPHA Quote #:

Turn-Around Time

Standard

Date Due: 10/10

RUSH (only confirmed if pre-approved!)
 Time:

Date Rec'd in Lab: 10/9

10/9

ALPHA Job #: LO214602

Report Information - Data Deliverables

FAX

EMAIL

ADEX Deliverables

Regulatory Requirements/Report Limits

State / Fed Program: MCP Criteria: GLP

MAMCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTOCOLS

Yes No Are MCP Analytical Methods Required?

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

SAMPLE HANDLING

- Filtration
- None
- Not needed
- Lab to do
- Preservation
- Lab to do

Sample Specific Comments

ANALYSIS
 80218 (HCL)
 DISS NA
 80218 (Na2S2O3)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	2	1	2	1
		Date	Time						
4602.1	MW-109-20071002-01	10/2/07	14:35	GW	DM	2	1	2	1
	MW-335-20071002-01	10/2/07	16:00	GW	DM	2	1		
	MW-111-20071102-01	10/2/07	14:25	GW	DM	2	1		
	MW-2015-20071002-01	10/2/07	10:10	GW	DM			2	
	TB-002-20070928.01	9/28/07	13:40	DI	SLR	1			

PLEASE ANSWER QUESTIONS ABOVE!

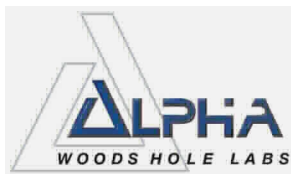
IS YOUR PROJECT
 MA MCP or CT RCP?

Container Type	Preservative
<u>V</u>	<u>P</u>
<u>B</u>	<u>C</u>
<u>H</u>	<u>H</u>

Relinquished By: [Signature] Date/Time: 10/5/07 14:00

Received By: [Signature] Date/Time: 10/9/07 14:40

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



ANALYTICAL REPORT

Lab Number: L0714554

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

ATTN: Jeremy Picard

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Report Date: 10/12/07

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: L0714554
Report Date: 10/12/07

Alpha Sample ID	Client ID	Sample Location
L0714554-01	MW-203D-20071001-01	WAYLAND, MA
L0714554-02	MW-204S-20071001-01	WAYLAND, MA
L0714554-03	TB-001-20071002-01	WAYLAND, MA

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714554
Report Date: 10/12/07

MADEP MCP Response Action Analytical Report Certification

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

An affirmative response to questions A, B, C & D is required for "Presumptive Certainty" status		
A	Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set?	YES
B	Were all QA/QC procedures required for the specified analytical methods(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	YES
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	YES
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	N/A
A response to questions E and F is required for "Presumptive Certainty" status		
E	Were all QC performance standards and recommendations for the specified method(s) achieved?	NO
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	NO
For any questions answered "No", please refer to the case narrative section on the following page(s).		

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



Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714554
Report Date: 10/12/07

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:

Sample Receipt

The samples were Field Filtered for Dissolved Metals only.

In reference to question E:

The WG297329-1/2 LCS/LCSD % recoveries for Acetone, 1,4-Dioxane, and 1,2,3-Trichloropropane, all difficult analytes, and the LCSD % recovery for Trichlorofluoromethane, are above the individual acceptance criteria for the compounds, but within the overall method allowances.

The WG297742-1/2 LCS/LCSD % recoveries for Dichlorodifluoromethane, a difficult analyte, are below and the % recoveries for 1,4-Dioxane, a difficult analyte, are above the individual acceptance criteria for the compounds, but within the overall method allowances.

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.

Metals

In reference to question F:

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

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

Authorized Signature: 

Title: Technical Director/Representative

Date: 10/12/07

ORGANICS

VOLATILES

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714554**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714554-01
Client ID: MW-203D-20071001-01
Sample Location: WAYLAND, MA
Matrix: Water
Analytical Method: 60,8260B
Analytical Date: 10/09/07 20:09
Analyst: BS

Date Collected: 10/01/07 16:05
Date Received: 10/02/07
Field Prep: Field Filtered

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	2.4		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	78		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	6.6		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714554**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714554-01

Date Collected: 10/01/07 16:05

Client ID: MW-203D-20071001-01

Date Received: 10/02/07

Sample Location: WAYLAND, MA

Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	105		70-130
4-Bromofluorobenzene	120		70-130
Dibromofluoromethane	104		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714554**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714554-02
 Client ID: MW-204S-20071001-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/11/07 19:57
 Analyst: BS

Date Collected: 10/01/07 15:45
 Date Received: 10/02/07
 Field Prep: Field Filtered

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	14		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
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714554**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714554-02
 Client ID: MW-204S-20071001-01
 Sample Location: WAYLAND, MA

Date Collected: 10/01/07 15:45
 Date Received: 10/02/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	94		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	108		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714554**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714554-03
 Client ID: TB-001-20071002-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/11/07 20:27
 Analyst: BS

Date Collected: 09/28/07 13:10
 Date Received: 10/02/07
 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
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
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714554**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714554-03
 Client ID: TB-001-20071002-01
 Sample Location: WAYLAND, MA

Date Collected: 09/28/07 13:10
 Date Received: 10/02/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	95		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	106		70-130

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714554
Report Date: 10/12/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/09/07 11:04
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01 Batch: WG297329-3				
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: L0714554
Report Date: 10/12/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/09/07 11:04
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01 Batch: WG297329-3				
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: L0714554
Report Date: 10/12/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/09/07 11:04
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
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Volatile Organics by MCP 8260B for sample(s): 01 Batch: WG297329-3

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	116		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	119		70-130
Dibromofluoromethane	103		70-130

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714554
Report Date: 10/12/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/11/07 14:50
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 02-03 Batch: WG297742-3				
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: L0714554
Report Date: 10/12/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/11/07 14:50
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 02-03 Batch: WG297742-3				
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: L0714554
Report Date: 10/12/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/11/07 14:50
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 02-03 Batch: WG297742-3				
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	106		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Lab Number: L0714554

Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01 Batch: WG297329-1 WG297329-2					
Methylene chloride	105	102	70-130	3	25
1,1-Dichloroethane	109	109	70-130	0	25
Chloroform	116	114	70-130	2	25
Carbon tetrachloride	84	86	70-130	2	25
1,2-Dichloropropane	112	109	70-130	3	25
Dibromochloromethane	84	85	70-130	1	25
1,1,2-Trichloroethane	116	112	70-130	4	25
Tetrachloroethene	97	88	70-130	10	25
Chlorobenzene	105	99	70-130	6	25
Trichlorofluoromethane	130	133	70-130	2	25
1,2-Dichloroethane	114	118	70-130	3	25
1,1,1-Trichloroethane	96	101	70-130	5	25
Bromodichloromethane	95	98	70-130	3	25
trans-1,3-Dichloropropene	105	102	70-130	3	25
cis-1,3-Dichloropropene	105	102	70-130	3	25
1,1-Dichloropropene	106	104	70-130	2	25
Bromoform	76	80	70-130	5	50
1,1,2,2-Tetrachloroethane	123	118	70-130	4	25
Benzene	104	100	70-130	4	25
Toluene	105	98	70-130	7	25
Ethylbenzene	102	98	70-130	4	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714554

Project Number: 0061882

Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01 Batch: WG297329-1 WG297329-2					
Chloromethane	116	102	70-130	13	50
Bromomethane	119	128	70-130	7	50
Vinyl chloride	118	113	70-130	4	25
Chloroethane	114	122	70-130	7	25
1,1-Dichloroethene	110	111	70-130	1	25
trans-1,2-Dichloroethene	101	99	70-130	2	25
Trichloroethene	106	99	70-130	7	25
1,2-Dichlorobenzene	105	99	70-130	6	25
1,3-Dichlorobenzene	106	98	70-130	8	25
1,4-Dichlorobenzene	107	100	70-130	7	25
Methyl tert butyl ether	113	111	70-130	2	25
p/m-Xylene	104	97	70-130	7	25
o-Xylene	104	100	70-130	4	25
cis-1,2-Dichloroethene	103	101	70-130	2	25
Dibromomethane	110	113	70-130	3	25
1,2,3-Trichloropropane	136	133	70-130	2	25
Styrene	106	100	70-130	6	25
Dichlorodifluoromethane	112	106	70-130	6	50
Acetone	161	131	70-130	21	50
Carbon disulfide	114	111	70-130	3	25
2-Butanone	128	127	70-130	1	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714554

Project Number: 0061882

Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01 Batch: WG297329-1 WG297329-2					
4-Methyl-2-pentanone	109	117	70-130	7	50
2-Hexanone	116	116	70-130	0	50
Bromochloromethane	102	104	70-130	2	25
Tetrahydrofuran	122	125	70-130	2	25
2,2-Dichloropropane	106	106	70-130	0	50
1,2-Dibromoethane	113	106	70-130	6	25
1,3-Dichloropropane	119	114	70-130	4	25
1,1,1,2-Tetrachloroethane	92	90	70-130	2	25
Bromobenzene	107	98	70-130	9	25
n-Butylbenzene	115	109	70-130	5	25
sec-Butylbenzene	109	104	70-130	5	25
tert-Butylbenzene	105	100	70-130	5	25
o-Chlorotoluene	110	103	70-130	7	25
p-Chlorotoluene	112	106	70-130	6	25
1,2-Dibromo-3-chloropropane	101	107	70-130	6	50
Hexachlorobutadiene	102	97	70-130	5	25
Isopropylbenzene	108	104	70-130	4	25
p-Isopropyltoluene	110	104	70-130	6	25
Naphthalene	116	103	70-130	12	25
n-Propylbenzene	111	105	70-130	6	25
1,2,3-Trichlorobenzene	107	103	70-130	4	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Lab Number: L0714554

Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01 Batch: WG297329-1 WG297329-2					
1,2,4-Trichlorobenzene	105	99	70-130	6	25
1,3,5-Trimethylbenzene	108	103	70-130	5	25
1,2,4-Trimethylbenzene	112	103	70-130	8	25
Ethyl ether	124	126	70-130	2	25
Isopropyl Ether	107	104	70-130	3	25
Ethyl-Tert-Butyl-Ether	110	106	70-130	4	25
Tertiary-Amyl Methyl Ether	108	106	70-130	2	25
1,4-Dioxane	139	134	70-130	4	50

Surrogate	LCS %Recovery Qualifier	LCSD %Recovery Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102	108	70-130
Toluene-d8	102	101	70-130
4-Bromofluorobenzene	109	108	70-130
Dibromofluoromethane	96	98	70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Lab Number: L0714554

Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 02-03 Batch: WG297742-1 WG297742-2					
Methylene chloride	100	96	70-130	4	25
1,1-Dichloroethane	105	99	70-130	6	25
Chloroform	112	106	70-130	6	25
Carbon tetrachloride	124	118	70-130	5	25
1,2-Dichloropropane	104	99	70-130	5	25
Dibromochloromethane	107	103	70-130	4	25
1,1,2-Trichloroethane	99	95	70-130	4	25
Tetrachloroethene	116	111	70-130	4	25
Chlorobenzene	105	100	70-130	5	25
Trichlorofluoromethane	124	115	70-130	8	25
1,2-Dichloroethane	111	110	70-130	1	25
1,1,1-Trichloroethane	117	111	70-130	5	25
Bromodichloromethane	111	107	70-130	4	25
trans-1,3-Dichloropropene	103	99	70-130	4	25
cis-1,3-Dichloropropene	107	105	70-130	2	25
1,1-Dichloropropene	108	102	70-130	6	25
Bromoform	110	108	70-130	2	50
1,1,2,2-Tetrachloroethane	92	91	70-130	1	25
Benzene	104	100	70-130	4	25
Toluene	101	98	70-130	3	25
Ethylbenzene	105	100	70-130	5	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Lab Number: L0714554

Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 02-03 Batch: WG297742-1 WG297742-2					
Chloromethane	77	72	70-130	7	50
Bromomethane	97	94	70-130	3	50
Vinyl chloride	88	81	70-130	8	25
Chloroethane	108	100	70-130	8	25
1,1-Dichloroethene	113	105	70-130	7	25
trans-1,2-Dichloroethene	106	102	70-130	4	25
Trichloroethene	110	105	70-130	5	25
1,2-Dichlorobenzene	97	96	70-130	1	25
1,3-Dichlorobenzene	102	100	70-130	2	25
1,4-Dichlorobenzene	99	100	70-130	1	25
Methyl tert butyl ether	103	100	70-130	3	25
p/m-Xylene	107	103	70-130	4	25
o-Xylene	110	104	70-130	6	25
cis-1,2-Dichloroethene	108	103	70-130	5	25
Dibromomethane	111	111	70-130	0	25
1,2,3-Trichloropropane	102	102	70-130	0	25
Styrene	108	104	70-130	4	25
Dichlorodifluoromethane	65	60	70-130	8	50
Acetone	120	102	70-130	16	50
Carbon disulfide	95	89	70-130	7	25
2-Butanone	100	98	70-130	2	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Lab Number: L0714554

Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 02-03 Batch: WG297742-1 WG297742-2					
4-Methyl-2-pentanone	95	98	70-130	3	50
2-Hexanone	91	87	70-130	4	50
Bromochloromethane	113	109	70-130	4	25
Tetrahydrofuran	98	91	70-130	7	25
2,2-Dichloropropane	120	111	70-130	8	50
1,2-Dibromoethane	104	99	70-130	5	25
1,3-Dichloropropane	98	95	70-130	3	25
1,1,1,2-Tetrachloroethane	111	106	70-130	5	25
Bromobenzene	103	102	70-130	1	25
n-Butylbenzene	100	95	70-130	5	25
sec-Butylbenzene	106	102	70-130	4	25
tert-Butylbenzene	106	104	70-130	2	25
o-Chlorotoluene	98	97	70-130	1	25
p-Chlorotoluene	98	94	70-130	4	25
1,2-Dibromo-3-chloropropane	83	89	70-130	7	50
Hexachlorobutadiene	79	74	70-130	7	25
Isopropylbenzene	118	113	70-130	4	25
p-Isopropyltoluene	108	104	70-130	4	25
Naphthalene	81	83	70-130	2	25
n-Propylbenzene	104	101	70-130	3	25
1,2,3-Trichlorobenzene	87	86	70-130	1	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Lab Number: L0714554

Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 02-03 Batch: WG297742-1 WG297742-2					
1,2,4-Trichlorobenzene	90	88	70-130	2	25
1,3,5-Trimethylbenzene	105	102	70-130	3	25
1,2,4-Trimethylbenzene	104	101	70-130	3	25
Ethyl ether	102	99	70-130	3	25
Isopropyl Ether	96	94	70-130	2	25
Ethyl-Tert-Butyl-Ether	105	98	70-130	7	25
Tertiary-Amyl Methyl Ether	104	100	70-130	4	25
1,4-Dioxane	139	137	70-130	1	50

Surrogate	LCS %Recovery Qualifier	LCSD %Recovery Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103	102	70-130
Toluene-d8	96	96	70-130
4-Bromofluorobenzene	96	97	70-130
Dibromofluoromethane	105	103	70-130

METALS



Project Name: RAYTHEON WAYLAND**Lab Number:** L0714554**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714554-01

Date Collected: 10/01/07 16:05

Client ID: MW-203D-20071001-01

Date Received: 10/02/07

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
Dissolved Metals by MCP 6000/7000 series										
Sodium, Dissolved	84		mg/l	2.0	1	10/04/07 16:45	10/08/07 18:09	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON WAYLAND**Lab Number:** L0714554**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714554-02

Date Collected: 10/01/07 15:45

Client ID: MW-204S-20071001-01

Date Received: 10/02/07

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
Dissolved Metals by MCP 6000/7000 series										
Sodium, Dissolved	24		mg/l	2.0	1	10/04/07 16:45	10/08/07 18:13	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON WAYLAND

Lab Number: L0714554

Project Number: 0061882

Report Date: 10/12/07

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series for sample(s): 01-02 Batch: WG296805-1									
Sodium, Dissolved	ND		mg/l	2.0	1	10/04/07 16:45	10/08/07 16:52	60,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Lab Number: L0714554

Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals by MCP 6000/7000 series Associated sample(s): 01-02 Batch: WG296805-2 WG296805-3					
Sodium, Dissolved	100	100	80-120	0	20

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714554**Project Number:** 0061882**Report Date:** 10/12/07**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
L0714554-01A	Vial HCl preserved	A	N/A	3.6C	Y	Absent	MCP-8260-04
L0714554-01B	Vial HCl preserved	A	N/A	3.6C	Y	Absent	MCP-8260-04
L0714554-01C	Plastic 500ml HNO3 preserved	A	<2	3.6C	Y	Absent	MCP-NA-6010S
L0714554-02A	Vial HCl preserved	A	N/A	3.6C	Y	Absent	MCP-8260-04
L0714554-02B	Vial HCl preserved	A	N/A	3.6C	Y	Absent	MCP-8260-04
L0714554-02C	Plastic 500ml HNO3 preserved	A	<2	3.6C	Y	Absent	MCP-NA-6010S
L0714554-03A	Vial HCl preserved	A	N/A	3.6C	Y	Absent	MCP-8260-04

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714554
Report Date: 10/12/07

GLOSSARY

Acronyms

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

Terms

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

Data Qualifiers

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

- A - Spectra identified as "Aldol Condensation Product".
B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
J - Estimated value. The analyte was tentatively identified; the quantitation is an estimation. (Tentatively identified compounds only.)

Standard Qualifiers

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

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714554
Report Date: 10/12/07

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-IIIA (Revision 5). May 2004.

LIMITATION OF LIABILITIES

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

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





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

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

CHAIN OF CUSTODY

PAGE 1 OF 1

Client Information

Client: **ERM**
 Address: **699 BOSTON ST**
BOSTON, MA 02116
 Phone: **617-646-7888**
 Fax: **617-267-6447**
 Email: **jeremy.pizzano@erm.com**
 Project Name: **ARTHUR WHEEL AND**
 Project Location: **WHEELAND, MA**
 Project #: **0661882**
 Project Manager: **Jessiey Picard**
 ALPHA Quote #:
 Turn-Around Time

Project Information

Project Name: **ARTHUR WHEEL AND**
 Project Location: **WHEELAND, MA**
 Project #: **0661882**
 Project Manager: **Jessiey Picard**
 ALPHA Quote #:
 Turn-Around Time

Report Information - Data Deliverables

Date Rec'd In Lab: **10/21/07**
 ALPHA Job #: **10714554**
 Report Information - Data Deliverables
 FAX
 EMAIL
 Ex Deliverables
 Regulatory Requirements/Report Limits
 State/Fed Program
 Criteria
MCP
600-1
MAMCP PRESUMPTIVE CERTAINTY - CT REASONABLE CONFIDENCE PROTOCOLS

Billing Information

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

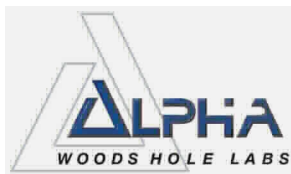
ANALYSIS
8021B (HCL)
DISS NA FIELD FILTERED

SAMPLE HANDLING
 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	Date	Time	Container Type	Preservative	Relinquished By:	Date/Time	Received By:	Date/Time	Sample Specific Comments
		Date	Time											
14554-1	MMW-2089D-20071001-01	10/21/07	16:05	GUW	JM	2	1	VP		[Signature]	10/21/07 15:30	[Signature]	10/21/07 18:15	
2	MMW-2045S-20071001-01	10/21/07	15:45	GW	MS	2	1	BC		[Signature]	10/21/07 15:30	[Signature]	10/21/07 18:15	
3	MMW-TB-001-20071002-01	11/28/07	13:10	DI	SLR	1	1			[Signature]		[Signature]		
PLEASE ANSWER QUESTIONS ABOVE: IS YOUR PROJECT MA MCP or CT RCP? Relinquished By: [Signature] Date/Time: 10/21/07 15:30 Received By: [Signature] Date/Time: 10/21/07 18:15														

SAMP. -> LOC
 LOC -> MTRX
 MTRX -> JEM

FF



ANALYTICAL REPORT

Lab Number: L0714551

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

ATTN: Jeremy Picard

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Report Date: 10/12/07

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: L0714551
Report Date: 10/12/07

Alpha Sample ID	Client ID	Sample Location
L0714551-01	MW-101-20071001-01	WAYLAND, MA
L0714551-02	MW-201M-20071001-01	WAYLAND, MA
L0714551-03	MW-201D-20071001-01	WAYLAND, MA

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714551
Report Date: 10/12/07

MADEP MCP Response Action Analytical Report Certification

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

An affirmative response to questions A, B, C & D is required for "Presumptive Certainty" status		
A	Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set?	YES
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	YES
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	YES
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	N/A
A response to questions E and F is required for "Presumptive Certainty" status		
E	Were all QC performance standards and recommendations for the specified method(s) achieved?	NO
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	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: L0714551
Report Date: 10/12/07

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

Sample Receipt

The samples were Field Filtered for Dissolved Metals only.

Volatile Organics

L0714551-02 had a pH >2.

In reference to question E:

The WG297477-1/2 LCS/LCSD % recoveries for Trichlorofluoromethane, Acetone, 2-Butanone, 1,4-Dioxane, all difficult analytes, the LCS/LCSD % recoveries for 1,2,3-Trichloropropane, the LCS % recovery for Chloroethane, and the LCSD % recoveries for Ethyl ether and Tetrahydrofuran are above the individual acceptance criteria for the compounds, but within the overall method allowances.

The WG297477-4/5 MS/MSD % recoveries for Dichlorodifluoromethane are below method acceptance criteria.

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.

Metals

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.

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714551
Report Date: 10/12/07

Case Narrative (continued)

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

Authorized Signature:



Title: Technical Director/Representative

Date: 10/12/07

ORGANICS

VOLATILES

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714551**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714551-01
 Client ID: MW-101-20071001-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/09/07 19:11
 Analyst: BS

Date Collected: 10/01/07 16:35
 Date Received: 10/02/07
 Field Prep: Field Filtered

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
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	1.4		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
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714551**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714551-01

Date Collected: 10/01/07 16:35

Client ID: MW-101-20071001-01

Date Received: 10/02/07

Sample Location: WAYLAND, MA

Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	103		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	99		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714551**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714551-02
 Client ID: MW-201M-20071001-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/09/07 19:50
 Analyst: BS

Date Collected: 10/01/07 14:00
 Date Received: 10/02/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Methylene chloride	ND		ug/l	5.0	1
1,1-Dichloroethane	1.5		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	49		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	18		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714551**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714551-02
 Client ID: MW-201M-20071001-01
 Sample Location: WAYLAND, MA

Date Collected: 10/01/07 14:00
 Date Received: 10/02/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	119		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	104		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714551**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714551-03
 Client ID: MW-201D-20071001-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/09/07 20:29
 Analyst: BS

Date Collected: 10/01/07 15:45
 Date Received: 10/02/07
 Field Prep: Field Filtered

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
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	3.4		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
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714551**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714551-03
 Client ID: MW-201D-20071001-01
 Sample Location: WAYLAND, MA

Date Collected: 10/01/07 15:45
 Date Received: 10/02/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	102		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	102		70-130

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714551
Report Date: 10/12/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/09/07 11:23
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-03 Batch: WG297477-3				
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: L0714551
Report Date: 10/12/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/09/07 11:23
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-03 Batch: WG297477-3				

Parameter	Result	Qualifier	Units	RDL
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: L0714551
Report Date: 10/12/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/09/07 11:23
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-03 Batch: WG297477-3				

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	117		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714551

Project Number: 0061882

Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-03 Batch: WG297477-1 WG297477-2					
Methylene chloride	101	102	70-130	1	25
1,1-Dichloroethane	115	113	70-130	2	25
Chloroform	114	118	70-130	3	25
Carbon tetrachloride	95	94	70-130	1	25
1,2-Dichloropropane	113	114	70-130	1	25
Dibromochloromethane	84	92	70-130	9	25
1,1,2-Trichloroethane	109	118	70-130	8	25
Tetrachloroethene	101	95	70-130	6	25
Chlorobenzene	102	106	70-130	4	25
Trichlorofluoromethane	141	143	70-130	1	25
1,2-Dichloroethane	118	124	70-130	5	25
1,1,1-Trichloroethane	105	104	70-130	1	25
Bromodichloromethane	109	111	70-130	2	25
trans-1,3-Dichloropropene	106	110	70-130	4	25
cis-1,3-Dichloropropene	106	108	70-130	2	25
1,1-Dichloropropene	114	108	70-130	5	25
Bromoform	82	88	70-130	7	50
1,1,2,2-Tetrachloroethane	115	125	70-130	8	25
Benzene	108	107	70-130	1	25
Toluene	104	103	70-130	1	25
Ethylbenzene	108	107	70-130	1	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714551

Project Number: 0061882

Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-03 Batch: WG297477-1 WG297477-2					
Chloromethane	121	118	70-130	3	50
Bromomethane	92	102	70-130	10	50
Vinyl chloride	117	113	70-130	3	25
Chloroethane	132	127	70-130	4	25
1,1-Dichloroethene	116	114	70-130	2	25
trans-1,2-Dichloroethene	105	102	70-130	3	25
Trichloroethene	110	108	70-130	2	25
1,2-Dichlorobenzene	102	105	70-130	3	25
1,3-Dichlorobenzene	104	105	70-130	1	25
1,4-Dichlorobenzene	103	106	70-130	3	25
Methyl tert butyl ether	114	116	70-130	2	25
p/m-Xylene	103	104	70-130	1	25
o-Xylene	105	107	70-130	2	25
cis-1,2-Dichloroethene	108	107	70-130	1	25
Dibromomethane	110	119	70-130	8	25
1,2,3-Trichloropropane	137	144	70-130	5	25
Styrene	104	107	70-130	3	25
Dichlorodifluoromethane	109	108	70-130	1	50
Acetone	159	154	70-130	3	50
Carbon disulfide	123	118	70-130	4	25
2-Butanone	132	139	70-130	5	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Lab Number: L0714551

Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-03 Batch: WG297477-1 WG297477-2					
4-Methyl-2-pentanone	119	127	70-130	7	50
2-Hexanone	124	129	70-130	4	50
Bromochloromethane	107	111	70-130	4	25
Tetrahydrofuran	130	140	70-130	7	25
2,2-Dichloropropane	115	112	70-130	3	50
1,2-Dibromoethane	110	115	70-130	4	25
1,3-Dichloropropane	115	123	70-130	7	25
1,1,1,2-Tetrachloroethane	90	96	70-130	6	25
Bromobenzene	102	107	70-130	5	25
n-Butylbenzene	112	109	70-130	3	25
sec-Butylbenzene	111	109	70-130	2	25
tert-Butylbenzene	105	104	70-130	1	25
o-Chlorotoluene	110	110	70-130	0	25
p-Chlorotoluene	110	112	70-130	2	25
1,2-Dibromo-3-chloropropane	110	108	70-130	2	50
Hexachlorobutadiene	89	89	70-130	0	25
Isopropylbenzene	111	111	70-130	0	25
p-Isopropyltoluene	108	105	70-130	3	25
Naphthalene	110	114	70-130	4	25
n-Propylbenzene	112	111	70-130	1	25
1,2,3-Trichlorobenzene	100	105	70-130	5	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714551

Project Number: 0061882

Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-03 Batch: WG297477-1 WG297477-2					
1,2,4-Trichlorobenzene	97	102	70-130	5	25
1,3,5-Trimethylbenzene	107	107	70-130	0	25
1,2,4-Trimethylbenzene	107	108	70-130	1	25
Ethyl ether	125	134	70-130	7	25
Isopropyl Ether	109	111	70-130	2	25
Ethyl-Tert-Butyl-Ether	113	115	70-130	2	25
Tertiary-Amyl Methyl Ether	111	114	70-130	3	25
1,4-Dioxane	172	166	70-130	4	50

Surrogate	LCS %Recovery Qualifier	LCSD %Recovery Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110	109	70-130
Toluene-d8	102	103	70-130
4-Bromofluorobenzene	108	112	70-130
Dibromofluoromethane	101	99	70-130

Matrix Spike Analysis Batch Quality Control

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714551
Report Date: 10/12/07

Parameter	Native Sample	MS Added	MS Found	MS		MSD		Recovery Limits	RPD	RPD Limits
				%Recovery	MSD Found	%Recovery				
Volatile Organics by MCP 8260B Associated sample(s): 01-03 QC Batch ID: WG297477-4 WG297477-5 QC Sample: L0714551-03 Client ID: MW-201D-20071001-01										
Methylene chloride	ND	10	10	103	10	100	70-130	3	30	
1,1-Dichloroethane	ND	10	11	107	10	105	70-130	2	30	
Chloroform	ND	10	11	106	10	103	70-130	3	30	
Carbon tetrachloride	ND	10	10	106	10	103	70-130	3	30	
1,2-Dichloropropane	ND	10	11	108	10	104	70-130	4	30	
Dibromochloromethane	ND	10	11	109	10	103	70-130	6	30	
1,1,2-Trichloroethane	ND	10	10	103	9.9	99	70-130	4	30	
Tetrachloroethene	ND	10	10	105	9.8	98	70-130	7	30	
Chlorobenzene	ND	10	10	106	9.9	100	70-130	6	30	
1,2-Dichloroethane	ND	10	10	103	10	103	70-130	0	30	
1,1,1-Trichloroethane	ND	10	10	106	10	104	70-130	2	30	
Bromodichloromethane	ND	10	11	110	10	105	70-130	5	30	
trans-1,3-Dichloropropene	ND	10	9.6	96	9.2	92	70-130	4	30	
cis-1,3-Dichloropropene	ND	10	10	101	9.7	97	70-130	4	30	
Bromoform	ND	10	11	113	11	106	70-130	6	30	
1,1,2,2-Tetrachloroethane	ND	10	12	118	11	112	70-130	5	30	
Chloromethane	ND	10	8.6	87	8.4	84	70-130	4	30	
Vinyl chloride	ND	10	8.9	89	8.4	84	70-130	6	30	
Chloroethane	ND	10	9.9	99	9.9	99	70-130	0	30	
1,1-Dichloroethene	ND	10	10	105	10	101	70-130	4	30	
trans-1,2-Dichloroethene	ND	10	10	106	10	105	70-130	1	30	

Matrix Spike Analysis Batch Quality Control

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714551
Report Date: 10/12/07

Parameter	Native Sample	MS Added	MS Found	MS		MSD		Recovery Limits	RPD	RPD Limits
				%Recovery	MSD Found	%Recovery	MSD Found			
Volatile Organics by MCP 8260B Associated sample(s): 01-03 QC Batch ID: WG297477-4 WG297477-5 QC Sample: L0714551-03 Client ID: MW-201D-20071001-01										
Trichloroethene	3.4	10	12	86	12	82	70-130	5	30	
1,2-Dichlorobenzene	ND	10	10	103	10	101	70-130	2	30	
1,3-Dichlorobenzene	ND	10	10	104	10	103	70-130	1	30	
1,4-Dichlorobenzene	ND	10	10	105	10	102	70-130	3	30	
cis-1,2-Dichloroethene	ND	10	11	112	11	108	70-130	4	30	
Dichlorodifluoromethane	ND	10	6.0	60	5.9	59	70-130	2	30	
2,2-Dichloropropane	ND	10	8.3	83	8.0	80	70-130	4	30	
1,2-Dibromoethane	ND	10	10	106	10	100	70-130	6	30	
1,3-Dichloropropane	ND	10	10	105	9.9	99	70-130	6	30	
1,1,1,2-Tetrachloroethane	ND	10	11	107	10	101	70-130	6	30	
o-Chlorotoluene	ND	10	10	105	9.9	99	70-130	6	30	
p-Chlorotoluene	ND	10	10	105	10	101	70-130	4	30	
Hexachlorobutadiene	ND	10	9.6	96	9.5	95	70-130	1	30	
1,2,4-Trichlorobenzene	ND	10	9.2	92	9.1	91	70-130	1	30	

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
1,2-Dichloroethane-d4	95		96		70-130
4-Bromofluorobenzene	99		100		70-130
Dibromofluoromethane	102		104		70-130
Toluene-d8	99		97		70-130

METALS



Project Name: RAYTHEON WAYLAND**Lab Number:** L0714551**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714551-01

Date Collected: 10/01/07 16:35

Client ID: MW-101-20071001-01

Date Received: 10/02/07

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
Dissolved Metals by MCP 6000/7000 series										
Sodium, Dissolved	27		mg/l	2.0	1	10/04/07 16:45	10/05/07 17:57	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON WAYLAND**Lab Number:** L0714551**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714551-03

Date Collected: 10/01/07 15:45

Client ID: MW-201D-20071001-01

Date Received: 10/02/07

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
Dissolved Metals by MCP 6000/7000 series										
Sodium, Dissolved	47		mg/l	2.0	1	10/04/07 16:45	10/05/07 17:41	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON WAYLAND

Lab Number: L0714551

Project Number: 0061882

Report Date: 10/12/07

Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series for sample(s): 01,03 Batch: WG296808-3								
Sodium, Dissolved	ND	mg/l	2.0	1	10/04/07 16:45	10/05/07 17:10	60,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714551

Project Number: 0061882

Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals by MCP 6000/7000 series Associated sample(s): 01,03 Batch: WG296808-4 WG296808-5					
Sodium, Dissolved	100	100	80-120	0	20

**Matrix Spike Analysis
Batch Quality Control**

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714551
Report Date: 10/12/07

Parameter	Native Sample	MS Added	MS Found	MS	MSD Found	MSD	Recovery Limits	RPD	RPD Limits
				%Recovery		%Recovery			
Dissolved Metals by MCP 6000/7000 series Associated sample(s): 01,03 QC Batch ID: WG296808-1 WG296808-2 QC Sample: L0714551-03 Client ID: MW-201D-20071001-01									
Sodium, Dissolved	47	10	56	90	56	90	75-125	0	20

Project Name: RAYTHEON WAYLAND

Lab Number: L0714551

Project Number: 0061882

Report Date: 10/12/07

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
L0714551-01A	Vial HCl preserved	A	N/A	3.6C	Y	Absent	MCP-8260-04
L0714551-01B	Vial HCl preserved	A	N/A	3.6C	Y	Absent	MCP-8260-04
L0714551-01C	Plastic 500ml HNO3 preserved	A	<2	3.6C	Y	Absent	MCP-NA-6010S
L0714551-02A	Vial Na2S2O3 preserved	A	N/A	3.6C	Y	Absent	MCP-8260-04
L0714551-02B	Vial Na2S2O3 preserved	A	N/A	3.6C	Y	Absent	MCP-8260-04
L0714551-03A	Vial HCl preserved	A	N/A	3.6C	Y	Absent	MCP-8260-04
L0714551-03B	Vial HCl preserved	A	N/A	3.6C	Y	Absent	MCP-8260-04
L0714551-03C	Vial HCl preserved	A	N/A	3.6C	Y	Absent	MCP-8260-04
L0714551-03D	Vial HCl preserved	A	N/A	3.6C	Y	Absent	MCP-8260-04
L0714551-03E	Vial HCl preserved	A	N/A	3.6C	Y	Absent	MCP-8260-04
L0714551-03F	Vial HCl preserved	A	N/A	3.6C	Y	Absent	MCP-8260-04
L0714551-03G	Plastic 500ml HNO3 preserved	A	<2	3.6C	Y	Absent	MCP-NA-6010S
L0714551-03H	Plastic 500ml HNO3 preserved	A	<2	3.6C	Y	Absent	MCP-NA-6010S
L0714551-03I	Plastic 500ml HNO3 preserved	A	<2	3.6C	Y	Absent	MCP-NA-6010S

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714551
Report Date: 10/12/07

GLOSSARY

Acronyms

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

Terms

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

Data Qualifiers

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

A - Spectra identified as "Aldol Condensation Product".

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

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

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

Standard Qualifiers

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

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714551
Report Date: 10/12/07

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-IIIA (Revision 5). May 2004.

LIMITATION OF LIABILITIES

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

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





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

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

CHAIN OF CUSTODY

PAGE 1 OF 1

Client Information

Client: **GM**

Address: **399 BOWSTON**

6M Road, South, MA 02116

Phone: **617 267 3700**

Fax: **617 267 6442**

Email: **jeremy.premo@alpha.com**

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

Project Information

Project Name: **RANTHORN WILAND**

Project Location: **WILAND, MA**

Project # **0061882**

Project Manager: **Jeremy Premo**

ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)

Date Due: Time:

Report Information - Data Deliverables

FAX EMAIL

ADEX Add'l Deliverables

Regulatory Requirements/Report Limits

State/Fed Program: **MA** Criteria: **GM-1**

MAMCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTOCOLS

Yes No Are MCP Analytical Methods Required?

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

Billing Information

PO #:

Date Rec'd in Lab: **12/2/07**

ALPHA Job #: **20714551**

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

TOTAL # BOTTOM LINES	ANALYSIS		SAMPLE HANDLING	
	Yes	No	Filtration	Preservation
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Done	<input type="checkbox"/> Not needed
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> Lab to do	<input type="checkbox"/> Lab to do
	<input type="checkbox"/>	<input type="checkbox"/>	(please specify below)	

Sample Specific Comments

14557-1	MW-101-20071001-01	12/6/07	16:35	GM	HEA	2	1										
2	MW-201M-20071001-01	12/6/07	14:00	GM	HEA	2	2										
3	MW-201D-20071001-01	12/6/07	15:45	GM	HEA	2	1										
4	MW-2017-20071001-MS	12/6/07	15:45	GM	HEA	2	1										
5	MW-2017-20071001-MS	12/6/07	15:45	GM	HEA	2	1										

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By: **[Signature]**

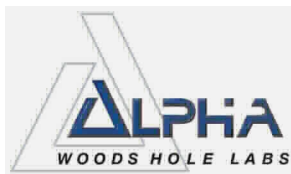
Container Type: **V V ?**
 Preservative: **B H C**

Received By: **[Signature]**

Date/Time: **12/2/07 15:30**

Date/Time: **12/1/07 14:15**

SAMP ↔ LOC HEA
 COC ↔ HTRX JM
 F



ANALYTICAL REPORT

Lab Number: L0714847

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

ATTN: Jeremy Picard

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Report Date: 10/15/07

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: L0714847
Report Date: 10/15/07

Alpha Sample ID	Client ID	Sample Location
L0714847-01	MW-553-20071004-01	WAYLAND, MA
L0714847-02	MW-552-20071004-01	WAYLAND, MA
L0714847-03	MW-551-20071004-01	WAYLAND, MA

Project Name: RAYTHEON WAYLAND

Lab Number: L0714847

Project Number: 0061882

Report Date: 10/15/07

MADEP MCP Response Action Analytical Report Certification

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

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

A response to questions E and F is required for "Presumptive Certainty" status		
E	Were all QC performance standards and recommendations for the specified method(s) achieved?	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: L0714847
Report Date: 10/15/07

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

L0714847-01, -02, and -03 were processed against a calibration curve that utilized a quadratic fit for 2-Butanone.

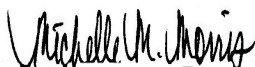
L0714847-01 and -02 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

In reference to question F:

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

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

Authorized Signature:



Title: Technical Director/Representative

Date: 10/15/07

ORGANICS

VOLATILES

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714847**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714847-01
 Client ID: MW-553-20071004-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/14/07 00:01
 Analyst: BS

Date Collected: 10/04/07 12:00
 Date Received: 10/05/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	22		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	250		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	65		ug/l	2.5	5
Dichlorodifluoromethane	ND		ug/l	25	5
2,2-Dichloropropane	ND		ug/l	12	5
1,2-Dibromoethane	ND		ug/l	10	5
1,3-Dichloropropane	ND		ug/l	12	5

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714847**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714847-01

Date Collected: 10/04/07 12:00

Client ID: MW-553-20071004-01

Date Received: 10/05/07

Sample Location: WAYLAND, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	5
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	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	108		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714847**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714847-02
 Client ID: MW-552-20071004-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/14/07 00:39
 Analyst: BS

Date Collected: 10/04/07 12:30
 Date Received: 10/05/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Methylene chloride	ND		ug/l	1000	200
1,1-Dichloroethane	ND		ug/l	150	200
Chloroform	ND		ug/l	150	200
Carbon tetrachloride	ND		ug/l	100	200
1,2-Dichloropropane	ND		ug/l	350	200
Dibromochloromethane	ND		ug/l	100	200
1,1,2-Trichloroethane	ND		ug/l	150	200
Tetrachloroethene	260		ug/l	100	200
Chlorobenzene	ND		ug/l	100	200
1,2-Dichloroethane	ND		ug/l	100	200
1,1,1-Trichloroethane	ND		ug/l	100	200
Bromodichloromethane	ND		ug/l	100	200
trans-1,3-Dichloropropene	ND		ug/l	100	200
cis-1,3-Dichloropropene	ND		ug/l	100	200
Bromoform	ND		ug/l	400	200
1,1,2,2-Tetrachloroethane	ND		ug/l	100	200
Chloromethane	ND		ug/l	500	200
Vinyl chloride	ND		ug/l	200	200
Chloroethane	ND		ug/l	200	200
1,1-Dichloroethene	ND		ug/l	100	200
trans-1,2-Dichloroethene	ND		ug/l	150	200
Trichloroethene	5400		ug/l	100	200
1,2-Dichlorobenzene	ND		ug/l	500	200
1,3-Dichlorobenzene	ND		ug/l	500	200
1,4-Dichlorobenzene	ND		ug/l	500	200
cis-1,2-Dichloroethene	490		ug/l	100	200
Dichlorodifluoromethane	ND		ug/l	1000	200
2,2-Dichloropropane	ND		ug/l	500	200
1,2-Dibromoethane	ND		ug/l	400	200
1,3-Dichloropropane	ND		ug/l	500	200

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714847**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714847-02
 Client ID: MW-552-20071004-01
 Sample Location: WAYLAND, MA

Date Collected: 10/04/07 12:30
 Date Received: 10/05/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
1,1,1,2-Tetrachloroethane	ND		ug/l	100	200
o-Chlorotoluene	ND		ug/l	500	200
p-Chlorotoluene	ND		ug/l	500	200
Hexachlorobutadiene	ND		ug/l	120	200
1,2,4-Trichlorobenzene	ND		ug/l	500	200

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	110		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714847**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714847-03
 Client ID: MW-551-20071004-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/14/07 01:18
 Analyst: BS

Date Collected: 10/04/07 14:05
 Date Received: 10/05/07
 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
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	45		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
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714847**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714847-03

Date Collected: 10/04/07 14:05

Client ID: MW-551-20071004-01

Date Received: 10/05/07

Sample Location: WAYLAND, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	103		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	108		70-130

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714847
Report Date: 10/15/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/13/07 16:57
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-03 Batch: WG298110-3				

Parameter	Result	Qualifier	Units	RDL
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
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

Project Name: RAYTHEON WAYLAND

Lab Number: L0714847

Project Number: 0061882

Report Date: 10/15/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
 Analytical Date: 10/13/07 16:57
 Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-03 Batch: WG298110-3				
o-Chlorotoluene	ND		ug/l	2.5
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	93		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Lab Number: L0714847

Report Date: 10/15/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-03 Batch: WG298110-1 WG298110-2					
Methylene chloride	86	84	70-130	2	25
1,1-Dichloroethane	82	83	70-130	1	25
Chloroform	84	86	70-130	2	25
Carbon tetrachloride	79	79	70-130	0	25
1,2-Dichloropropane	81	84	70-130	4	25
Dibromochloromethane	86	86	70-130	0	25
1,1,2-Trichloroethane	77	80	70-130	4	25
Tetrachloroethene	81	82	70-130	1	25
Chlorobenzene	80	83	70-130	4	25
1,2-Dichloroethane	81	82	70-130	1	25
1,1,1-Trichloroethane	82	84	70-130	2	25
Bromodichloromethane	83	83	70-130	0	25
trans-1,3-Dichloropropene	77	78	70-130	1	25
cis-1,3-Dichloropropene	82	84	70-130	2	25
Bromoform	85	86	70-130	1	50
1,1,2,2-Tetrachloroethane	89	93	70-130	4	25
Chloromethane	88	88	70-130	0	50
Vinyl chloride	82	86	70-130	5	25
Chloroethane	83	86	70-130	4	25
1,1-Dichloroethene	82	87	70-130	6	25
trans-1,2-Dichloroethene	84	88	70-130	5	25

Lab Control Sample Analysis Batch Quality Control

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714847
Report Date: 10/15/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-03 Batch: WG298110-1 WG298110-2					
Trichloroethene	77	80	70-130	4	25
1,2-Dichlorobenzene	82	82	70-130	0	25
1,3-Dichlorobenzene	84	84	70-130	0	25
1,4-Dichlorobenzene	85	84	70-130	1	25
cis-1,2-Dichloroethene	83	84	70-130	1	25
Dichlorodifluoromethane	100	103	70-130	3	50
2,2-Dichloropropane	88	90	70-130	2	50
1,2-Dibromoethane	80	82	70-130	2	25
1,3-Dichloropropane	79	81	70-130	3	25
1,1,1,2-Tetrachloroethane	78	79	70-130	1	25
o-Chlorotoluene	80	82	70-130	2	25
p-Chlorotoluene	82	84	70-130	2	25
Hexachlorobutadiene	79	85	70-130	7	25
1,2,4-Trichlorobenzene	77	80	70-130	4	25

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		100		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	100		98		70-130
Dibromofluoromethane	105		105		70-130



Project Name: RAYTHEON WAYLAND**Lab Number:** L0714847**Project Number:** 0061882**Report Date:** 10/15/07**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
L0714847-01A	Vial HCl preserved	A	N/A	2C	Y	Absent	MCP-8260-04
L0714847-01B	Vial HCl preserved	A	N/A	2C	Y	Absent	MCP-8260-04
L0714847-02A	Vial HCl preserved	A	N/A	2C	Y	Absent	MCP-8260-04
L0714847-02B	Vial HCl preserved	A	N/A	2C	Y	Absent	MCP-8260-04
L0714847-03A	Vial HCl preserved	A	N/A	2C	Y	Absent	MCP-8260-04
L0714847-03B	Vial HCl preserved	A	N/A	2C	Y	Absent	MCP-8260-04

Container Comments

L0714847-01A	Temp Probe
L0714847-01B	Temp Probe
L0714847-02A	Temp Probe
L0714847-02B	Temp Probe
L0714847-03A	Temp Probe
L0714847-03B	Temp Probe

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714847
Report Date: 10/15/07

GLOSSARY

Acronyms

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

Terms

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

Data Qualifiers

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

A - Spectra identified as "Aldol Condensation Product".

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

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

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

Standard Qualifiers

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

Report Format: Not Specified



Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714847
Report Date: 10/15/07

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-IIIA (Revision 5). May 2004.

LIMITATION OF LIABILITIES

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

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





CHAIN OF CUSTODY

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

RAYNHAM, MA
TEL: 508-922-9300
FAX: 508-922-3288

Client Information

Client: ERM
Address: 379 BOSTON ST
BOSTON, MA 02118
Phone: 617-646-7800
Fax: 617-267-6442
Email: ABEEM.PICARD@ERM.COM

Project Name: RYTHORN, WAREHO
Project Location: WORTHLAND, MA
Project #: 0061882
Project Manager: ABEEM PICARD
ALPHA Quote #:

Turn-Around Time
Standard RUSH (only confirmed if pre-approved!)
Date Due: 10/12/07 Time:

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

Date Rec'd in Lab: 10/15/07

ALPHA Job #: 0714047-D

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

Billing Information
Same as Client info PO #:

Regulatory Requirements/Report Limits
State/Fed Program MLP Criteria GW-1

MAMCOP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTOCOLS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Time	Sample Matrix	Samplers Initials	ANALYSIS (HCL)	SAMPLE HANDLING	Sample Specific Comments
14847-01	MW-SS3-20071604-01	10/4/07	1200	GW	JM			
-02	MW-SS2-20071004-01	10/4/07	1230	GW	JM			
-03	MW-SS1-20071004-01	10/4/07	1405	GW	JM			

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT
MA MCP or CT RCP?

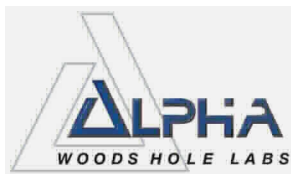
FORM NO. 01-01 (rev. 10-OCT-05)

Relinquished By: Don Bando Date/Time: 10/15/07 10:50

Container Type: V
Preservative: 13

Received By: Don Bando Date/Time: 10/15/07 14:10

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



ANALYTICAL REPORT

Lab Number: L0714750

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

ATTN: Jeremy Picard

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Report Date: 10/15/07

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: L0714750
Report Date: 10/15/07

Alpha Sample ID	Client ID	Sample Location
L0714750-01	MW-267M-20071003-01	WAYLAND, MA
L0714750-02	MW-261S-20071003-01	WAYLAND, MA
L0714750-03	MW-268D-20071003-01	WAYLAND, MA

Project Name: RAYTHEON WAYLAND

Lab Number: L0714750

Project Number: 0061882

Report Date: 10/15/07

MADEP MCP Response Action Analytical Report Certification

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

An affirmative response to questions A, B, C & D is required for "Presumptive Certainty" status		
A	Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set?	YES
B	Were all QA/QC procedures required for the specified analytical methods(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	YES
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	YES
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	N/A
A response to questions E and F is required for "Presumptive Certainty" status		
E	Were all QC performance standards and recommendations for the specified method(s) achieved?	NO
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	NO
For any questions answered "No", please refer to the case narrative section on the following page(s).		

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



Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714750
Report Date: 10/15/07

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

L0714750-01 and -02 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 WG298005-3/4 LCS % recoveries for Hexachlorobutadiene and 1,4-Dioxane are above the individual acceptance criteria for the compounds, but within the overall method allowances. The LCS/LCSD RPD for Hexachlorobutadiene is above method acceptance criteria.

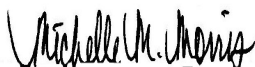
The WG298005-1/2 MS/MSD % recoveries for Trichloroethene are below method acceptance criteria. The MS/MSD RPD for Trichloroethene is above method acceptance criteria.

In reference to question F:

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

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

Authorized Signature:



Title: Technical Director/Representative

Date: 10/15/07

ORGANICS

VOLATILES

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714750**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714750-01
Client ID: MW-267M-20071003-01
Sample Location: WAYLAND, MA
Matrix: Water
Analytical Method: 60,8260B
Analytical Date: 10/12/07 17:18
Analyst: BS

Date Collected: 10/03/07 11:05
Date Received: 10/04/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	34		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	ND		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	540		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	490		ug/l	10	20
Dichlorodifluoromethane	ND		ug/l	100	20
2,2-Dichloropropane	ND		ug/l	50	20
1,2-Dibromoethane	ND		ug/l	40	20
1,3-Dichloropropane	ND		ug/l	50	20

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714750**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714750-01
 Client ID: MW-267M-20071003-01
 Sample Location: WAYLAND, MA

Date Collected: 10/03/07 11:05
 Date Received: 10/04/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
1,1,1,2-Tetrachloroethane	ND		ug/l	10	20
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
1,4-Dioxane	ND		ug/l	5000	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	100		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714750**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714750-02
Client ID: MW-261S-20071003-01
Sample Location: WAYLAND, MA
Matrix: Water
Anaytical Method: 60,8260B
Analytical Date: 10/12/07 17:56
Analyst: BS

Date Collected: 10/03/07 09:30
Date Received: 10/04/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	79		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	3300		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	130		ug/l	50	100
Dichlorodifluoromethane	ND		ug/l	500	100
2,2-Dichloropropane	ND		ug/l	250	100
1,2-Dibromoethane	ND		ug/l	200	100
1,3-Dichloropropane	ND		ug/l	250	100

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714750**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714750-02
 Client ID: MW-261S-20071003-01
 Sample Location: WAYLAND, MA

Date Collected: 10/03/07 09:30
 Date Received: 10/04/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
1,1,1,2-Tetrachloroethane	ND		ug/l	50	100
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	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	103		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714750**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714750-03
Client ID: MW-268D-20071003-01
Sample Location: WAYLAND, MA
Matrix: Water
Anaytical Method: 60,8260B
Analytical Date: 10/12/07 18:35
Analyst: BS

Date Collected: 10/03/07 12:05
Date Received: 10/04/07
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	2.0		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	85		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	2.4		ug/l	0.50	1
trans-1,2-Dichloroethene	3.2		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	130		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714750**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714750-03

Date Collected: 10/03/07 12:05

Client ID: MW-268D-20071003-01

Date Received: 10/04/07

Sample Location: WAYLAND, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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
1,4-Dioxane	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714750
Report Date: 10/15/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/12/07 10:47
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-03 Batch: WG298005-5				
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
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

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714750
Report Date: 10/15/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/12/07 10:47
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-03 Batch: WG298005-5				

o-Chlorotoluene	ND		ug/l	2.5
p-Chlorotoluene	ND		ug/l	2.5
Hexachlorobutadiene	ND		ug/l	0.60
1,2,4-Trichlorobenzene	ND		ug/l	2.5
1,4-Dioxane	ND		ug/l	250

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714750

Project Number: 0061882

Report Date: 10/15/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-03 Batch: WG298005-3 WG298005-4					
Methylene chloride	106	97	70-130	9	25
1,1-Dichloroethane	103	97	70-130	6	25
Chloroform	102	96	70-130	6	25
Carbon tetrachloride	104	100	70-130	4	25
1,2-Dichloropropane	106	99	70-130	7	25
Dibromochloromethane	112	107	70-130	5	25
1,1,2-Trichloroethane	108	97	70-130	11	25
Tetrachloroethene	108	97	70-130	11	25
Chlorobenzene	111	98	70-130	12	25
1,2-Dichloroethane	104	95	70-130	9	25
1,1,1-Trichloroethane	104	97	70-130	7	25
Bromodichloromethane	112	102	70-130	9	25
trans-1,3-Dichloropropene	114	97	70-130	16	25
cis-1,3-Dichloropropene	114	102	70-130	11	25
Bromoform	119	111	70-130	7	50
1,1,1,2-Tetrachloroethane	121	109	70-130	10	25
Chloromethane	98	86	70-130	13	50
Vinyl chloride	96	86	70-130	11	25
Chloroethane	98	93	70-130	5	25
1,1-Dichloroethene	102	95	70-130	7	25
trans-1,2-Dichloroethene	107	98	70-130	9	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Lab Number: L0714750

Report Date: 10/15/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-03 Batch: WG298005-3 WG298005-4					
Trichloroethene	98	90	70-130	9	25
1,2-Dichlorobenzene	108	98	70-130	10	25
1,3-Dichlorobenzene	113	100	70-130	12	25
1,4-Dichlorobenzene	114	99	70-130	14	25
cis-1,2-Dichloroethene	110	101	70-130	9	25
Dichlorodifluoromethane	84	78	70-130	7	50
2,2-Dichloropropane	113	103	70-130	9	50
1,2-Dibromoethane	112	99	70-130	12	25
1,3-Dichloropropane	109	97	70-130	12	25
1,1,1,2-Tetrachloroethane	110	100	70-130	10	25
o-Chlorotoluene	108	96	70-130	12	25
p-Chlorotoluene	112	98	70-130	13	25
Hexachlorobutadiene	141	105	70-130	29	25
1,2,4-Trichlorobenzene	120	97	70-130	21	25
1,4-Dioxane	143	119	70-130	18	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Lab Number: L0714750

Report Date: 10/15/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
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Volatile Organics by MCP 8260B Associated sample(s): 01-03 Batch: WG298005-3 WG298005-4

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		95		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	98		101		70-130

Matrix Spike Analysis Batch Quality Control

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Lab Number: L0714750

Report Date: 10/15/07

Parameter	Native Sample	MS Added	MS Found	MS		MSD		Recovery Limits	RPD	RPD Limits
				%Recovery	MSD Found	%Recovery				
Volatile Organics by MCP 8260B Associated sample(s): 01-03 QC Batch ID: WG298005-1 WG298005-2 QC Sample: L0714750-02 Client ID: MW-261S-20071003-01										
Methylene chloride	ND	1000	1100	113	1100	109	70-130	4	30	
1,1-Dichloroethane	ND	1000	1200	115	1100	115	70-130	0	30	
Chloroform	ND	1000	1200	117	1200	116	70-130	1	30	
Carbon tetrachloride	ND	1000	1100	110	1100	109	70-130	1	30	
1,2-Dichloropropane	ND	1000	1100	113	1100	114	70-130	1	30	
Dibromochloromethane	ND	1000	1100	113	1100	113	70-130	0	30	
1,1,2-Trichloroethane	ND	1000	1100	107	1000	105	70-130	2	30	
Tetrachloroethene	79	1000	1200	107	1100	103	70-130	4	30	
Chlorobenzene	ND	1000	1100	110	1100	108	70-130	2	30	
1,2-Dichloroethane	ND	1000	1100	111	1100	110	70-130	1	30	
1,1,1-Trichloroethane	ND	1000	1100	110	1100	110	70-130	0	30	
Bromodichloromethane	ND	1000	1200	120	1200	120	70-130	0	30	
trans-1,3-Dichloropropene	ND	1000	1100	107	1000	105	70-130	2	30	
cis-1,3-Dichloropropene	ND	1000	1200	116	1100	113	70-130	3	30	
Bromoform	ND	1000	1100	111	1100	111	70-130	0	30	
1,1,2,2-Tetrachloroethane	ND	1000	1200	119	1200	119	70-130	0	30	
Chloromethane	ND	1000	1100	108	1000	103	70-130	5	30	
Vinyl chloride	ND	1000	1000	104	1000	103	70-130	1	30	
Chloroethane	ND	1000	1100	113	1100	109	70-130	4	30	
1,1-Dichloroethene	ND	1000	1100	114	1100	112	70-130	2	30	
trans-1,2-Dichloroethene	ND	1000	1000	102	1100	114	70-130	11	30	

Matrix Spike Analysis Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714750

Project Number: 0061882

Report Date: 10/15/07

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
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Volatile Organics by MCP 8260B Associated sample(s): 01-03 QC Batch ID: WG298005-1 WG298005-2 QC Sample: L0714750-02 Client ID: MW-261S-20071003-01

Trichloroethene	3300	1000	4000	68	3700	41	70-130	50	30
1,2-Dichlorobenzene	ND	1000	1000	105	1000	105	70-130	0	30
1,3-Dichlorobenzene	ND	1000	1100	110	1000	105	70-130	5	30
1,4-Dichlorobenzene	ND	1000	1100	109	1100	107	70-130	2	30
cis-1,2-Dichloroethene	130	1000	1300	117	1200	113	70-130	3	30
Dichlorodifluoromethane	ND	1000	1000	102	980	98	70-130	4	30
2,2-Dichloropropane	ND	1000	1200	118	1100	114	70-130	3	30
1,2-Dibromoethane	ND	1000	1100	110	1100	109	70-130	1	30
1,3-Dichloropropane	ND	1000	1100	109	1100	108	70-130	1	30
1,1,1,2-Tetrachloroethane	ND	1000	1100	112	1100	107	70-130	5	30
o-Chlorotoluene	ND	1000	1100	107	1000	102	70-130	5	30
p-Chlorotoluene	ND	1000	1100	110	1000	105	70-130	5	30
Hexachlorobutadiene	ND	1000	980	99	980	98	70-130	1	30
1,2,4-Trichlorobenzene	ND	1000	970	97	970	97	70-130	0	30
1,4-Dioxane	ND	100000	85000	85	110000	109	70-130	25	30

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		98		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	101		104		70-130
Toluene-d8	98		99		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714750**Project Number:** 0061882**Report Date:** 10/15/07**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
L0714750-01A	Vial HCl preserved	A	N/A	2.4 C	Y	Absent	MCP-8260-04
L0714750-01B	Vial HCl preserved	A	N/A	2.4 C	Y	Absent	MCP-8260-04
L0714750-02A	Vial HCl preserved	A	N/A	2.4 C	Y	Absent	MCP-8260-04
L0714750-02B	Vial HCl preserved	A	N/A	2.4 C	Y	Absent	MCP-8260-04
L0714750-02C	Vial HCl preserved	A	N/A	2.4 C	Y	Absent	MCP-8260-04
L0714750-02D	Vial HCl preserved	A	N/A	2.4 C	Y	Absent	MCP-8260-04
L0714750-02E	Vial HCl preserved	A	N/A	2.4 C	Y	Absent	MCP-8260-04
L0714750-02F	Vial HCl preserved	A	N/A	2.4 C	Y	Absent	MCP-8260-04
L0714750-03A	Vial HCl preserved	A	N/A	2.4 C	Y	Absent	MCP-8260-04
L0714750-03B	Vial HCl preserved	A	N/A	2.4 C	Y	Absent	MCP-8260-04

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714750
Report Date: 10/15/07

GLOSSARY

Acronyms

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

Terms

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

Data Qualifiers

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

- A - Spectra identified as "Aldol Condensation Product".
 B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.
 E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
 J - Estimated value. The analyte was tentatively identified; the quantitation is an estimation. (Tentatively identified compounds only.)

Standard Qualifiers

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

Report Format: Not Specified



Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714750
Report Date: 10/15/07

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-IIIA (Revision 5). May 2004.

LIMITATION OF LIABILITIES

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

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





CHAIN OF CUSTODY

PAGE 1 OF 1

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

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

Client Information

Client: CR201

Address: 399 BOSTON ST
BOSTON, MA 02116

Phone: 617-646-2800

Fax: 617-267-6447

Email: leah@alpha.com

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Project Information

Project Name: WYTHEV. WYTHEV

Project Location: WYTHEV, MA

Project #: 0261882

Project Manager: SEAN PIERCE

ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: 10/11 Time:

Date Recd in Lab: 10/14

Report Information - Data Deliverables

FAX EMAIL

PDEX Deliverables

Regulatory Requirements/Report Limits

State/Fed Program: MCP Criteria: GW-1

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTOCOLS

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

ANALYSIS 11-4-DIOW → 267M & 268D ONLY

8021C

Billing Information

Same as Client info

PO #:

ALPHA Job #: 1071450

SAMPLE HANDLING
 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	Date	Time	Container Type Preservative	Date/Time	Received By:	Date/Time	Sample Specific Comments
		Date	Time									
267SD, 1	MW-267M-20071003-01	10/3/07	11:05 AM	GW	JM	10/3/07	11:05	V	10/4/07	Don Lamb	10/4/07	
2	MW-261S-20071003-01	10/3/07	9:30	GW	JA	10/3/07	9:30	B	10/4/07	Don Lamb	10/4/07	
2	MW-261S-20071003-01-MSD	10/3/07	9:30	GW	JA	10/3/07	9:30	B	10/4/07	Don Lamb	10/4/07	
2	MW-261S-20071003-01-MSD	10/3/07	9:30	GW	JA	10/3/07	9:30	B	10/4/07	Don Lamb	10/4/07	
2	MW-268D-20071003-01	10/3/07	12:05	GW	JA	10/3/07	12:05	B	10/4/07	Don Lamb	10/4/07	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Requested By:

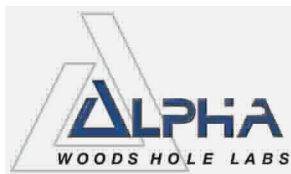
Date/Time

Received By:

Date/Time

FORMNO: 01-01 (rev. 10-OCT-05)

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



ANALYTICAL REPORT

Lab Number: L0714603
Client: ERM-New England
399 Boylston Street
6th Floor
Boston, MA 02116
ATTN: Jeremy Picard
Project Name: RAYTHEON WAYLAND
Project Number: 0061882
Report Date: 10/12/07

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: L0714603
Report Date: 10/12/07

Alpha Sample ID	Client ID	Sample Location
L0714603-01	MW-265M-20071002-01	WAYLAND, MA
L0714603-02	MW-266MB-20071002-01	WAYLAND, MA
L0714603-03	MW-266MA-20071002-01	WAYLAND, MA
L0714603-04	MW-268M-20071002-01	WAYLAND, MA
L0714603-05	MW-267S-20071002-01	WAYLAND, MA
L0714603-06	DUP-003-20071002-01	WAYLAND, MA

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714603
Report Date: 10/12/07

MADEP MCP Response Action Analytical Report Certification

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

An affirmative response to questions A, B, C & D is required for "Presumptive Certainty" status		
A	Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set?	YES
B	Were all QA/QC procedures required for the specified analytical methods(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	YES
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	YES
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	N/A
A response to questions E and F is required for "Presumptive Certainty" status		
E	Were all QC performance standards and recommendations for the specified method(s) achieved?	NO
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	NO
For any questions answered "No", please refer to the case narrative section on the following page(s).		

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



Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714603
Report Date: 10/12/07

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

L0714603-01R, -05, and -06R were processed against a calibration curve that utilized a quadratic fit for 1,4-Dioxane

L0714603-01 and -06 were re-analyzed due to over dilution of the original analyses. The results of the re-analyses are reported.

L0714603-01R, -02, -04, -05, and -06R 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 WG297499-1/2 LCS % recovery for 1,4-Dioxane is above, and the LCSD % recovery for Bromoform is below, the individual acceptance criteria for the compounds, but within the overall method allowances. These are both difficult analytes.

The WG297742-1/2 LCS/LCSD % recoveries for Dichlorodifluoromethane, a difficult analyte, are below and the % recoveries for 1,4-Dioxane are above, the individual acceptance criteria for the compound, but within the overall method allowances.

In reference to question F:

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

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

Authorized Signature:



Title: Technical Director/Representative

Date: 10/12/07

ORGANICS

VOLATILES

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714603**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714603-01 R
Client ID: MW-265M-20071002-01
Sample Location: WAYLAND, MA
Matrix: Water
Anaytical Method: 60,8260B
Analytical Date: 10/11/07 15:42
Analyst: BS

Date Collected: 10/02/07 11:15
Date Received: 10/03/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	31		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	70		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	200		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	420		ug/l	5.0	10
Dichlorodifluoromethane	ND		ug/l	50	10
2,2-Dichloropropane	ND		ug/l	25	10
1,2-Dibromoethane	ND		ug/l	20	10
1,3-Dichloropropane	ND		ug/l	25	10

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714603**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714603-01 R
 Client ID: MW-265M-20071002-01
 Sample Location: WAYLAND, MA

Date Collected: 10/02/07 11:15
 Date Received: 10/03/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	10
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	108		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	108		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714603**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714603-02
Client ID: MW-266MB-20071002-01
Sample Location: WAYLAND, MA
Matrix: Water
Anaytical Method: 60,8260B
Analytical Date: 10/10/07 18:58
Analyst: BS

Date Collected: 10/02/07 12:30
Date Received: 10/03/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	22		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	150		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	160		ug/l	2.5	5
Dichlorodifluoromethane	ND		ug/l	25	5
2,2-Dichloropropane	ND		ug/l	12	5
1,2-Dibromoethane	ND		ug/l	10	5
1,3-Dichloropropane	ND		ug/l	12	5

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714603**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714603-02

Date Collected: 10/02/07 12:30

Client ID: MW-266MB-20071002-01

Date Received: 10/03/07

Sample Location: WAYLAND, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	5
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
1,4-Dioxane	ND		ug/l	1200	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	117		70-130
Dibromofluoromethane	102		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714603**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714603-03

Date Collected: 10/02/07 13:40

Client ID: MW-266MA-20071002-01

Date Received: 10/03/07

Sample Location: WAYLAND, MA

Field Prep: Not Specified

Matrix: Water

Analytical Method: 60,8260B

Analytical Date: 10/10/07 19:37

Analyst: BS

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	0.61		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	28		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	7.6		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714603**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714603-03

Date Collected: 10/02/07 13:40

Client ID: MW-266MA-20071002-01

Date Received: 10/03/07

Sample Location: WAYLAND, MA

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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
1,4-Dioxane	ND		ug/l	250	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	117		70-130
Dibromofluoromethane	102		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714603**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714603-04
Client ID: MW-268M-20071002-01
Sample Location: WAYLAND, MA
Matrix: Water
Analytical Method: 60,8260B
Analytical Date: 10/10/07 20:16
Analyst: BS

Date Collected: 10/02/07 12:20
Date Received: 10/03/07
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	1700		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	3000		ug/l	50	100
Dichlorodifluoromethane	ND		ug/l	500	100
2,2-Dichloropropane	ND		ug/l	250	100
1,2-Dibromoethane	ND		ug/l	200	100
1,3-Dichloropropane	ND		ug/l	250	100

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714603**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714603-04
 Client ID: MW-268M-20071002-01
 Sample Location: WAYLAND, MA

Date Collected: 10/02/07 12:20
 Date Received: 10/03/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
1,1,1,2-Tetrachloroethane	ND		ug/l	50	100
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
1,4-Dioxane	ND		ug/l	25000	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	127		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	102		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714603**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714603-05
 Client ID: MW-267S-20071002-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/11/07 16:21
 Analyst: BS

Date Collected: 10/02/07 16:15
 Date Received: 10/03/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	13		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	540		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	78		ug/l	2.5	5
Dichlorodifluoromethane	ND		ug/l	25	5
2,2-Dichloropropane	ND		ug/l	12	5
1,2-Dibromoethane	ND		ug/l	10	5
1,3-Dichloropropane	ND		ug/l	12	5

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714603**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714603-05
 Client ID: MW-267S-20071002-01
 Sample Location: WAYLAND, MA

Date Collected: 10/02/07 16:15
 Date Received: 10/03/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	5
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
1,4-Dioxane	ND		ug/l	1200	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	106		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714603**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714603-06 R
 Client ID: DUP-003-20071002-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/12/07 11:26
 Analyst: BS

Date Collected: 10/02/07 00:00
 Date Received: 10/03/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	15		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	570		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	98		ug/l	5.0	10
Dichlorodifluoromethane	ND		ug/l	50	10
2,2-Dichloropropane	ND		ug/l	25	10
1,2-Dibromoethane	ND		ug/l	20	10
1,3-Dichloropropane	ND		ug/l	25	10

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714603**Project Number:** 0061882**Report Date:** 10/12/07**SAMPLE RESULTS**

Lab ID: L0714603-06 R
 Client ID: DUP-003-20071002-01
 Sample Location: WAYLAND, MA

Date Collected: 10/02/07 00:00
 Date Received: 10/03/07
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	10
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	98		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	102		70-130

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714603
Report Date: 10/12/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/10/07 11:19
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 02-04 Batch: WG297499-3				
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: L0714603
Report Date: 10/12/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/10/07 11:19
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 02-04 Batch: WG297499-3				
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: L0714603
Report Date: 10/12/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/10/07 11:19
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 02-04 Batch: WG297499-3				

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	120		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	102		70-130

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714603
Report Date: 10/12/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/11/07 14:50
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01,05 Batch: WG297742-3				
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: L0714603
Report Date: 10/12/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/11/07 14:50
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01,05 Batch: WG297742-3				

Parameter	Result	Qualifier	Units	RDL
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: L0714603
Report Date: 10/12/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/11/07 14:50
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01,05 Batch: WG297742-3				

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	106		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	104		70-130

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714603
Report Date: 10/12/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/12/07 10:47
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 06 Batch: WG297742-6				
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: L0714603
Report Date: 10/12/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/12/07 10:47
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 06 Batch: WG297742-6				
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: L0714603
Report Date: 10/12/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/12/07 10:47
Analyst: BS

Parameter	Result	Qualifier	Units	RDL
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Volatile Organics by MCP 8260B for sample(s): 06 Batch: WG297742-6

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
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1,2-Dichloroethane-d4	95		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714603

Project Number: 0061882

Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 02-04 Batch: WG297499-1 WG297499-2					
Methylene chloride	87	94	70-130	8	25
1,1-Dichloroethane	104	109	70-130	5	25
Chloroform	107	111	70-130	4	25
Carbon tetrachloride	83	87	70-130	5	25
1,2-Dichloropropane	102	106	70-130	4	25
Dibromochloromethane	78	76	70-130	3	25
1,1,2-Trichloroethane	100	101	70-130	1	25
Tetrachloroethene	84	94	70-130	11	25
Chlorobenzene	91	95	70-130	4	25
Trichlorofluoromethane	134	137	70-130	2	25
1,2-Dichloroethane	116	113	70-130	3	25
1,1,1-Trichloroethane	97	104	70-130	7	25
Bromodichloromethane	101	100	70-130	1	25
trans-1,3-Dichloropropene	98	97	70-130	1	25
cis-1,3-Dichloropropene	95	96	70-130	1	25
1,1-Dichloropropene	100	108	70-130	8	25
Bromoform	73	68	70-130	7	50
1,1,2,2-Tetrachloroethane	105	104	70-130	1	25
Benzene	94	101	70-130	7	25
Toluene	91	97	70-130	6	25
Ethylbenzene	93	100	70-130	7	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714603

Project Number: 0061882

Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 02-04 Batch: WG297499-1 WG297499-2					
Chloromethane	96	104	70-130	8	50
Bromomethane	97	90	70-130	7	50
Vinyl chloride	93	100	70-130	7	25
Chloroethane	121	123	70-130	2	25
1,1-Dichloroethene	104	112	70-130	7	25
trans-1,2-Dichloroethene	91	98	70-130	7	25
Trichloroethene	96	106	70-130	10	25
1,2-Dichlorobenzene	91	91	70-130	0	25
1,3-Dichlorobenzene	89	93	70-130	4	25
1,4-Dichlorobenzene	90	93	70-130	3	25
Methyl tert butyl ether	109	113	70-130	4	25
p/m-Xylene	90	98	70-130	9	25
o-Xylene	95	102	70-130	7	25
cis-1,2-Dichloroethene	95	99	70-130	4	25
Dibromomethane	105	102	70-130	3	25
1,2,3-Trichloropropane	123	121	70-130	2	25
Styrene	95	99	70-130	4	25
Dichlorodifluoromethane	81	86	70-130	6	50
Acetone	123	145	70-130	8	50
Carbon disulfide	106	117	70-130	10	25
2-Butanone	121	122	70-130	1	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714603

Project Number: 0061882

Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 02-04 Batch: WG297499-1 WG297499-2					
4-Methyl-2-pentanone	104	108	70-130	4	50
2-Hexanone	110	108	70-130	2	50
Bromochloromethane	96	98	70-130	2	25
Tetrahydrofuran	125	132	70-130	5	25
2,2-Dichloropropane	102	112	70-130	9	50
1,2-Dibromoethane	101	101	70-130	0	25
1,3-Dichloropropane	106	107	70-130	1	25
1,1,1,2-Tetrachloroethane	80	81	70-130	1	25
Bromobenzene	93	92	70-130	1	25
n-Butylbenzene	99	108	70-130	9	25
sec-Butylbenzene	95	107	70-130	12	25
tert-Butylbenzene	91	102	70-130	11	25
o-Chlorotoluene	98	103	70-130	5	25
p-Chlorotoluene	99	102	70-130	3	25
1,2-Dibromo-3-chloropropane	104	100	70-130	4	50
Hexachlorobutadiene	76	89	70-130	16	25
Isopropylbenzene	98	108	70-130	10	25
p-Isopropyltoluene	94	103	70-130	9	25
Naphthalene	95	93	70-130	2	25
n-Propylbenzene	97	108	70-130	11	25
1,2,3-Trichlorobenzene	90	91	70-130	1	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714603

Project Number: 0061882

Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 02-04 Batch: WG297499-1 WG297499-2					
1,2,4-Trichlorobenzene	86	87	70-130	1	25
1,3,5-Trimethylbenzene	92	99	70-130	7	25
1,2,4-Trimethylbenzene	95	99	70-130	4	25
Ethyl ether	128	127	70-130	1	25
Isopropyl Ether	105	108	70-130	3	25
Ethyl-Tert-Butyl-Ether	107	109	70-130	2	25
Tertiary-Amyl Methyl Ether	105	108	70-130	3	25
1,4-Dioxane	120	138	70-130	14	50

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		113		70-130
Toluene-d8	101		102		70-130
4-Bromofluorobenzene	109		107		70-130
Dibromofluoromethane	100		101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714603

Project Number: 0061882

Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01,05 Batch: WG297742-1 WG297742-2					
Methylene chloride	100	96	70-130	4	25
1,1-Dichloroethane	105	99	70-130	6	25
Chloroform	112	106	70-130	6	25
Carbon tetrachloride	124	118	70-130	5	25
1,2-Dichloropropane	104	99	70-130	5	25
Dibromochloromethane	107	103	70-130	4	25
1,1,2-Trichloroethane	99	95	70-130	4	25
Tetrachloroethene	116	111	70-130	4	25
Chlorobenzene	105	100	70-130	5	25
Trichlorofluoromethane	124	115	70-130	8	25
1,2-Dichloroethane	111	110	70-130	1	25
1,1,1-Trichloroethane	117	111	70-130	5	25
Bromodichloromethane	111	107	70-130	4	25
trans-1,3-Dichloropropene	103	99	70-130	4	25
cis-1,3-Dichloropropene	107	105	70-130	2	25
1,1-Dichloropropene	108	102	70-130	6	25
Bromoform	110	108	70-130	2	50
1,1,2,2-Tetrachloroethane	92	91	70-130	1	25
Benzene	104	100	70-130	4	25
Toluene	101	98	70-130	3	25
Ethylbenzene	105	100	70-130	5	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714603

Project Number: 0061882

Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01,05 Batch: WG297742-1 WG297742-2					
Chloromethane	77	72	70-130	7	50
Bromomethane	97	94	70-130	3	50
Vinyl chloride	88	81	70-130	8	25
Chloroethane	108	100	70-130	8	25
1,1-Dichloroethene	113	105	70-130	7	25
trans-1,2-Dichloroethene	106	102	70-130	4	25
Trichloroethene	110	105	70-130	5	25
1,2-Dichlorobenzene	97	96	70-130	1	25
1,3-Dichlorobenzene	102	100	70-130	2	25
1,4-Dichlorobenzene	99	100	70-130	1	25
Methyl tert butyl ether	103	100	70-130	3	25
p/m-Xylene	107	103	70-130	4	25
o-Xylene	110	104	70-130	6	25
cis-1,2-Dichloroethene	108	103	70-130	5	25
Dibromomethane	111	111	70-130	0	25
1,2,3-Trichloropropane	102	102	70-130	0	25
Styrene	108	104	70-130	4	25
Dichlorodifluoromethane	65	60	70-130	8	50
Acetone	120	102	70-130	16	50
Carbon disulfide	95	89	70-130	7	25
2-Butanone	100	98	70-130	2	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714603

Project Number: 0061882

Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01,05 Batch: WG297742-1 WG297742-2					
4-Methyl-2-pentanone	95	98	70-130	3	50
2-Hexanone	91	87	70-130	4	50
Bromochloromethane	113	109	70-130	4	25
Tetrahydrofuran	98	91	70-130	7	25
2,2-Dichloropropane	120	111	70-130	8	50
1,2-Dibromoethane	104	99	70-130	5	25
1,3-Dichloropropane	98	95	70-130	3	25
1,1,1,2-Tetrachloroethane	111	106	70-130	5	25
Bromobenzene	103	102	70-130	1	25
n-Butylbenzene	100	95	70-130	5	25
sec-Butylbenzene	106	102	70-130	4	25
tert-Butylbenzene	106	104	70-130	2	25
o-Chlorotoluene	98	97	70-130	1	25
p-Chlorotoluene	98	94	70-130	4	25
1,2-Dibromo-3-chloropropane	83	89	70-130	7	50
Hexachlorobutadiene	79	74	70-130	7	25
Isopropylbenzene	118	113	70-130	4	25
p-Isopropyltoluene	108	104	70-130	4	25
Naphthalene	81	83	70-130	2	25
n-Propylbenzene	104	101	70-130	3	25
1,2,3-Trichlorobenzene	87	86	70-130	1	25

Lab Control Sample Analysis Batch Quality Control

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714603
Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01,05 Batch: WG297742-1 WG297742-2					
1,2,4-Trichlorobenzene	90	88	70-130	2	25
1,3,5-Trimethylbenzene	105	102	70-130	3	25
1,2,4-Trimethylbenzene	104	101	70-130	3	25
Ethyl ether	102	99	70-130	3	25
Isopropyl Ether	96	94	70-130	2	25
Ethyl-Tert-Butyl-Ether	105	98	70-130	7	25
Tertiary-Amyl Methyl Ether	104	100	70-130	4	25
1,4-Dioxane	139	137	70-130	1	50

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		102		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	96		97		70-130
Dibromofluoromethane	105		103		70-130



Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714603

Project Number: 0061882

Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 06 Batch: WG297742-4 WG297742-5					
Methylene chloride	97	106	70-130	9	25
1,1-Dichloroethane	97	103	70-130	6	25
Chloroform	96	102	70-130	6	25
Carbon tetrachloride	100	104	70-130	4	25
1,2-Dichloropropane	99	106	70-130	7	25
Dibromochloromethane	107	112	70-130	5	25
1,1,2-Trichloroethane	97	108	70-130	11	25
Tetrachloroethene	97	108	70-130	11	25
Chlorobenzene	98	111	70-130	12	25
Trichlorofluoromethane	97	103	70-130	6	25
1,2-Dichloroethane	95	104	70-130	9	25
1,1,1-Trichloroethane	97	104	70-130	7	25
Bromodichloromethane	102	112	70-130	9	25
trans-1,3-Dichloropropene	97	114	70-130	16	25
cis-1,3-Dichloropropene	102	114	70-130	11	25
1,1-Dichloropropene	99	109	70-130	10	25
Bromoform	111	119	70-130	7	50
1,1,2,2-Tetrachloroethane	109	121	70-130	10	25
Benzene	97	107	70-130	10	25
Toluene	98	108	70-130	10	25
Ethylbenzene	98	108	70-130	10	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714603

Project Number: 0061882

Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 06 Batch: WG297742-4 WG297742-5					
Chloromethane	86	98	70-130	13	50
Bromomethane	94	104	70-130	10	50
Vinyl chloride	86	96	70-130	11	25
Chloroethane	93	98	70-130	5	25
1,1-Dichloroethene	95	102	70-130	7	25
trans-1,2-Dichloroethene	98	107	70-130	9	25
Trichloroethene	90	98	70-130	9	25
1,2-Dichlorobenzene	98	108	70-130	10	25
1,3-Dichlorobenzene	100	113	70-130	12	25
1,4-Dichlorobenzene	99	114	70-130	14	25
Methyl tert butyl ether	96	106	70-130	10	25
p/m-Xylene	102	112	70-130	9	25
o-Xylene	104	113	70-130	8	25
cis-1,2-Dichloroethene	101	110	70-130	9	25
Dibromomethane	102	114	70-130	11	25
1,2,3-Trichloropropane	105	122	70-130	15	25
Styrene	104	116	70-130	11	25
Dichlorodifluoromethane	78	84	70-130	7	50
Acetone	95	120	70-130	23	50
Carbon disulfide	83	99	70-130	18	25
2-Butanone	101	107	70-130	6	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714603

Project Number: 0061882

Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 06 Batch: WG297742-4 WG297742-5					
4-Methyl-2-pentanone	111	114	70-130	3	50
2-Hexanone	102	109	70-130	7	50
Bromochloromethane	100	116	70-130	15	25
Tetrahydrofuran	98	101	70-130	3	25
2,2-Dichloropropane	103	113	70-130	9	50
1,2-Dibromoethane	99	112	70-130	12	25
1,3-Dichloropropane	97	109	70-130	12	25
1,1,1,2-Tetrachloroethane	100	110	70-130	10	25
Bromobenzene	99	113	70-130	13	25
n-Butylbenzene	104	123	70-130	17	25
sec-Butylbenzene	102	115	70-130	12	25
tert-Butylbenzene	100	113	70-130	12	25
o-Chlorotoluene	96	108	70-130	12	25
p-Chlorotoluene	98	112	70-130	13	25
1,2-Dibromo-3-chloropropane	104	118	70-130	13	50
Hexachlorobutadiene	105	141	70-130	29	25
Isopropylbenzene	106	116	70-130	9	25
p-Isopropyltoluene	104	122	70-130	16	25
Naphthalene	104	118	70-130	13	25
n-Propylbenzene	100	111	70-130	10	25
1,2,3-Trichlorobenzene	96	120	70-130	22	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714603

Project Number: 0061882

Report Date: 10/12/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 06 Batch: WG297742-4 WG297742-5					
1,2,4-Trichlorobenzene	97	120	70-130	21	25
1,3,5-Trimethylbenzene	100	110	70-130	10	25
1,2,4-Trimethylbenzene	100	112	70-130	11	25
Ethyl ether	98	103	70-130	5	25
Isopropyl Ether	95	101	70-130	6	25
Ethyl-Tert-Butyl-Ether	100	109	70-130	9	25
Tertiary-Amyl Methyl Ether	102	109	70-130	7	25
1,4-Dioxane	119	143	70-130	18	50

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		96		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	100		101		70-130
Dibromofluoromethane	101		98		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714603**Project Number:** 0061882**Report Date:** 10/12/07**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
L0714603-01A	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714603-01B	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714603-02A	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714603-02B	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714603-03A	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714603-03B	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714603-04A	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714603-04B	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714603-05A	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714603-05B	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714603-06A	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04
L0714603-06B	Vial HCl preserved	A	N/A	3.9 C	Y	Absent	MCP-8260-04

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714603
Report Date: 10/12/07

GLOSSARY

Acronyms

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

Terms

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

Data Qualifiers

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

A - Spectra identified as "Aldol Condensation Product".

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

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

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

Standard Qualifiers

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

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714603
Report Date: 10/12/07

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-IIIA (Revision 5). May 2004.

LIMITATION OF LIABILITIES

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

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





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

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

CHAIN OF CUSTODY

PAGE 1 OF 1

Client Information

Client: **BLM**

Address: **399 BAYLSON ST**

6TH FLOOR, BOSTON, MA 02116

Phone: **617 646 7800**

Fax: **617 267 6449**

Email: **jeremy.pietrod@blm.com**

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Project Information

Project Name: **24th Street W/turnout**

Project Location: **W/turnout, MA**

Project #: **0615682**

Project Manager: **Jeremy Pietrod**

Alpha Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: **10/10** Time:

Report Information - Data Deliverables

FAX EMAIL

ADEX Add'l Deliverables

Regulatory Requirements/Report Limits

State/Fed Program: **MCP** Criteria: **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?

Date Rec'd in Lab: **10/3**

ALPHA Job #: **10714603**

Billing Information

Same as Client info PO #:

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

4603-1	MW-265M-20071002-01	10/2/07	11:15	GW	MGM	2
2	MW-266MB-20071002-01	10/2/07	12:30	GW	MGM	2
3	MW-266MA-20071002-01	10/2/07	13:40	GW	MGM	2
4	MW-268M-20071002-01	10/2/07	12:20	GW	HEA	2
5	MW-267S-20071002-01	10/2/07	10:15	GW	HEA	2
6	DUP-003-20071002-01	10/2/07	24:00	GW	HEA	2

TOTAL # BOTTLERS	ANALYSIS		SAMPLE HANDLING
	Yes	No	
			<input type="checkbox"/> Done <input type="checkbox"/> Not needed <input type="checkbox"/> Lab to do <input type="checkbox"/> Preservation <input type="checkbox"/> Lab to do (Please specify below)

Sample Specific Comments

Container Type	Preservative
V	B

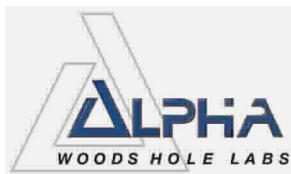
PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT
MA MCP or CT RCP?

FORM NO: 01-01 (rev. 30-JUL-07)

Relinquished By: <i>[Signature]</i>	Date/Time: 10/3/07 1400
Received By: <i>[Signature]</i>	Date/Time: 10/3/07 1135

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



ANALYTICAL REPORT

Lab Number: L0714843

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

ATTN: Jeremy Picard

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Report Date: 10/15/07

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: L0714843
Report Date: 10/15/07

Alpha Sample ID	Client ID	Sample Location
L0714843-01	MW-47D-2007-1004-01	WAYLAND, MA
L0714843-02	MW-47M-2007-1004-01	WAYLAND, MA
L0714843-03	MW-43S-2007-1004-01	WAYLAND, MA
L0714843-04	MW-106-2007-1004-01	WAYLAND, MA
L0714843-05	MW-104-2007-1004-01	WAYLAND, MA
L0714843-06	MW-209-2007-1004-01	WAYLAND, MA
L0714843-07	MW-106M-2007-1004-01	WAYLAND, MA
L0714843-08	MW-212-2007-1004-01	WAYLAND, MA

Project Name: RAYTHEON WAYLAND

Lab Number: L0714843

Project Number: 0061882

Report Date: 10/15/07

MADEP MCP Response Action Analytical Report Certification

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

An affirmative response to questions A, B, C & D is required for "Presumptive Certainty" status		
A	Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set?	YES
B	Were all QA/QC procedures required for the specified analytical methods(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	YES
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	YES
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	N/A
A response to questions E and F is required for "Presumptive Certainty" status		
E	Were all QC performance standards and recommendations for the specified method(s) achieved?	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: L0714843
Report Date: 10/15/07

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

Sample Receipt

The samples were Field Filtered for Dissolved Metals only.

Volatile Organics

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.

Metals

In reference to question F:

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

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

Authorized Signature: 

Title: Technical Director/Representative

Date: 10/15/07

ORGANICS

VOLATILES

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714843**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714843-01
 Client ID: MW-47D-2007-1004-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/13/07 17:33
 Analyst: RY

Date Collected: 10/04/07 09:00
 Date Received: 10/05/07
 Field Prep: Field Filtered

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	0.58		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	9.3		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	1.0		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714843**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714843-01
 Client ID: MW-47D-2007-1004-01
 Sample Location: WAYLAND, MA

Date Collected: 10/04/07 09:00
 Date Received: 10/05/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	105		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	109		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714843**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714843-02
 Client ID: MW-47M-2007-1004-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/13/07 18:03
 Analyst: RY

Date Collected: 10/04/07 10:40
 Date Received: 10/05/07
 Field Prep: Field Filtered

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
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	44		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	4.6		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714843**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714843-02
 Client ID: MW-47M-2007-1004-01
 Sample Location: WAYLAND, MA

Date Collected: 10/04/07 10:40
 Date Received: 10/05/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	105		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	108		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714843**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714843-03
 Client ID: MW-43S-2007-1004-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/13/07 18:33
 Analyst: RY

Date Collected: 10/04/07 14:25
 Date Received: 10/05/07
 Field Prep: Field Filtered

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	1.1		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	10		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
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714843**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714843-03
 Client ID: MW-43S-2007-1004-01
 Sample Location: WAYLAND, MA

Date Collected: 10/04/07 14:25
 Date Received: 10/05/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	106		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	104		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714843**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714843-04
Client ID: MW-106-2007-1004-01
Sample Location: WAYLAND, MA
Matrix: Water
Analytical Method: 60,8260B
Analytical Date: 10/13/07 19:03
Analyst: RY

Date Collected: 10/04/07 15:20
Date Received: 10/05/07
Field Prep: Field Filtered

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
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	3.2		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
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714843**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714843-04
 Client ID: MW-106-2007-1004-01
 Sample Location: WAYLAND, MA

Date Collected: 10/04/07 15:20
 Date Received: 10/05/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	109		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	111		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714843**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714843-05
Client ID: MW-104-2007-1004-01
Sample Location: WAYLAND, MA
Matrix: Water
Anaytical Method: 60,8260B
Analytical Date: 10/13/07 19:33
Analyst: RY

Date Collected: 10/04/07 15:50
Date Received: 10/05/07
Field Prep: Field Filtered

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	1.2		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	16		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
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714843**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714843-05
 Client ID: MW-104-2007-1004-01
 Sample Location: WAYLAND, MA

Date Collected: 10/04/07 15:50
 Date Received: 10/05/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	111		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	108		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714843**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714843-06
 Client ID: MW-209-2007-1004-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/13/07 20:03
 Analyst: RY

Date Collected: 10/04/07 08:30
 Date Received: 10/05/07
 Field Prep: Field Filtered

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
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
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714843**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714843-06
 Client ID: MW-209-2007-1004-01
 Sample Location: WAYLAND, MA

Date Collected: 10/04/07 08:30
 Date Received: 10/05/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	110		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	110		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714843**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714843-07
 Client ID: MW-106M-2007-1004-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/13/07 20:33
 Analyst: RY

Date Collected: 10/04/07 11:00
 Date Received: 10/05/07
 Field Prep: Field Filtered

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	0.59		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	5.0		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	0.80		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714843**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714843-07
 Client ID: MW-106M-2007-1004-01
 Sample Location: WAYLAND, MA

Date Collected: 10/04/07 11:00
 Date Received: 10/05/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	109		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	108		70-130

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714843**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714843-08
 Client ID: MW-212-2007-1004-01
 Sample Location: WAYLAND, MA
 Matrix: Water
 Analytical Method: 60,8260B
 Analytical Date: 10/13/07 21:04
 Analyst: RY

Date Collected: 10/04/07 09:20
 Date Received: 10/05/07
 Field Prep: Field Filtered

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
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	1.7		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
cis-1,2-Dichloroethene	ND		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
2,2-Dichloropropane	ND		ug/l	2.5	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1

Project Name: RAYTHEON WAYLAND**Lab Number:** L0714843**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714843-08
 Client ID: MW-212-2007-1004-01
 Sample Location: WAYLAND, MA

Date Collected: 10/04/07 09:20
 Date Received: 10/05/07
 Field Prep: Field Filtered

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	113		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	109		70-130

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714843
Report Date: 10/15/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/13/07 17:03
Analyst: RY

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-08 Batch: WG298054-3				

Parameter	Result	Qualifier	Units	RDL
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: L0714843
Report Date: 10/15/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/13/07 17:03
Analyst: RY

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-08 Batch: WG298054-3				
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: L0714843
Report Date: 10/15/07

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 60,8260B
Analytical Date: 10/13/07 17:03
Analyst: RY

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-08 Batch: WG298054-3				
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	106		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	107		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714843

Project Number: 0061882

Report Date: 10/15/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-08 Batch: WG298054-1 WG298054-2					
Methylene chloride	88	79	70-130	11	25
1,1-Dichloroethane	87	80	70-130	8	25
Chloroform	95	86	70-130	10	25
Carbon tetrachloride	108	98	70-130	10	25
1,2-Dichloropropane	88	82	70-130	7	25
Dibromochloromethane	88	79	70-130	11	25
1,1,2-Trichloroethane	81	74	70-130	9	25
Tetrachloroethene	91	82	70-130	10	25
Chlorobenzene	86	79	70-130	8	25
Trichlorofluoromethane	114	103	70-130	10	25
1,2-Dichloroethane	105	95	70-130	10	25
1,1,1-Trichloroethane	101	93	70-130	8	25
Bromodichloromethane	100	91	70-130	9	25
trans-1,3-Dichloropropene	82	76	70-130	8	25
cis-1,3-Dichloropropene	95	84	70-130	12	25
1,1-Dichloropropene	90	81	70-130	11	25
Bromoform	88	80	70-130	10	50
1,1,2,2-Tetrachloroethane	75	70	70-130	7	25
Benzene	88	79	70-130	11	25
Toluene	80	72	70-130	11	25
Ethylbenzene	88	78	70-130	12	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714843

Project Number: 0061882

Report Date: 10/15/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-08 Batch: WG298054-1 WG298054-2					
Chloromethane	82	78	70-130	5	50
Bromomethane	89	87	70-130	2	50
Vinyl chloride	84	78	70-130	7	25
Chloroethane	100	91	70-130	9	25
1,1-Dichloroethene	95	85	70-130	11	25
trans-1,2-Dichloroethene	90	77	70-130	16	25
Trichloroethene	97	86	70-130	12	25
1,2-Dichlorobenzene	88	78	70-130	12	25
1,3-Dichlorobenzene	92	80	70-130	14	25
1,4-Dichlorobenzene	89	80	70-130	11	25
Methyl tert butyl ether	86	77	70-130	11	25
p/m-Xylene	89	81	70-130	9	25
o-Xylene	89	82	70-130	8	25
cis-1,2-Dichloroethene	90	81	70-130	11	25
Dibromomethane	100	90	70-130	11	25
1,2,3-Trichloropropane	90	79	70-130	13	25
Styrene	92	86	70-130	7	25
Dichlorodifluoromethane	104	93	70-130	11	50
Acetone	203	106	70-130	63	50
Carbon disulfide	98	87	70-130	12	25
2-Butanone	110	91	70-130	19	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714843

Project Number: 0061882

Report Date: 10/15/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-08 Batch: WG298054-1 WG298054-2					
4-Methyl-2-pentanone	101	88	70-130	14	50
2-Hexanone	92	79	70-130	15	50
Bromochloromethane	98	89	70-130	10	25
Tetrahydrofuran	82	71	70-130	14	25
2,2-Dichloropropane	106	94	70-130	12	50
1,2-Dibromoethane	84	76	70-130	10	25
1,3-Dichloropropane	80	72	70-130	11	25
1,1,1,2-Tetrachloroethane	93	84	70-130	10	25
Bromobenzene	87	77	70-130	12	25
n-Butylbenzene	98	84	70-130	15	25
sec-Butylbenzene	92	82	70-130	11	25
tert-Butylbenzene	89	79	70-130	12	25
o-Chlorotoluene	83	74	70-130	11	25
p-Chlorotoluene	84	77	70-130	9	25
1,2-Dibromo-3-chloropropane	86	73	70-130	16	50
Hexachlorobutadiene	96	79	70-130	19	25
Isopropylbenzene	100	91	70-130	9	25
p-Isopropyltoluene	98	87	70-130	12	25
Naphthalene	78	71	70-130	9	25
n-Propylbenzene	84	76	70-130	10	25
1,2,3-Trichlorobenzene	84	77	70-130	9	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Lab Number: L0714843

Project Number: 0061882

Report Date: 10/15/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-08 Batch: WG298054-1 WG298054-2					
1,2,4-Trichlorobenzene	87	78	70-130	11	25
1,3,5-Trimethylbenzene	88	78	70-130	12	25
1,2,4-Trimethylbenzene	92	81	70-130	13	25
Ethyl ether	82	72	70-130	13	25
Isopropyl Ether	78	71	70-130	9	25
Ethyl-Tert-Butyl-Ether	81	75	70-130	8	25
Tertiary-Amyl Methyl Ether	86	78	70-130	10	25
1,4-Dioxane	124	119	70-130	4	50

Surrogate	LCS %Recovery Qualifier	LCSD %Recovery Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115	112	70-130
Toluene-d8	92	92	70-130
4-Bromofluorobenzene	94	91	70-130
Dibromofluoromethane	109	109	70-130

METALS



Project Name: RAYTHEON WAYLAND**Lab Number:** L0714843**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714843-01

Date Collected: 10/04/07 09:00

Client ID: MW-47D-2007-1004-01

Date Received: 10/05/07

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
Dissolved Metals by MCP 6000/7000 series										
Sodium, Dissolved	100		mg/l	2.0	1	10/10/07 17:30	10/11/07 16:53	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON WAYLAND**Lab Number:** L0714843**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714843-02

Date Collected: 10/04/07 10:40

Client ID: MW-47M-2007-1004-01

Date Received: 10/05/07

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
Dissolved Metals by MCP 6000/7000 series										
Sodium, Dissolved	20		mg/l	2.0	1	10/10/07 17:30	10/11/07 16:57	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON WAYLAND**Lab Number:** L0714843**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714843-03

Date Collected: 10/04/07 14:25

Client ID: MW-43S-2007-1004-01

Date Received: 10/05/07

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
Dissolved Metals by MCP 6000/7000 series										
Sodium, Dissolved	150		mg/l	2.0	1	10/10/07 17:30	10/11/07 17:01	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON WAYLAND**Lab Number:** L0714843**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714843-06

Date Collected: 10/04/07 08:30

Client ID: MW-209-2007-1004-01

Date Received: 10/05/07

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
Dissolved Metals by MCP 6000/7000 series										
Sodium, Dissolved	60		mg/l	2.0	1	10/10/07 17:30	10/11/07 17:05	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON WAYLAND**Lab Number:** L0714843**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714843-07

Date Collected: 10/04/07 11:00

Client ID: MW-106M-2007-1004-01

Date Received: 10/05/07

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
Dissolved Metals by MCP 6000/7000 series										
Sodium, Dissolved	190		mg/l	2.0	1	10/10/07 17:30	10/11/07 17:09	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON WAYLAND**Lab Number:** L0714843**Project Number:** 0061882**Report Date:** 10/15/07**SAMPLE RESULTS**

Lab ID: L0714843-08

Date Collected: 10/04/07 09:20

Client ID: MW-212-2007-1004-01

Date Received: 10/05/07

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
Dissolved Metals by MCP 6000/7000 series										
Sodium, Dissolved	180		mg/l	2.0	1	10/10/07 17:30	10/11/07 17:13	EPA 3005A	60,6010B	AI



Project Name: RAYTHEON WAYLAND

Lab Number: L0714843

Project Number: 0061882

Report Date: 10/15/07

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals by MCP 6000/7000 series for sample(s): 01-03,06-08 Batch: WG297593-1									
Sodium, Dissolved	ND		mg/l	2.0	1	10/10/07 17:30	10/11/07 15:55	60,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON WAYLAND

Project Number: 0061882

Lab Number: L0714843

Report Date: 10/15/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals by MCP 6000/7000 series Associated sample(s): 01-03,06-08 Batch: WG297593-2 WG297593-3					
Sodium, Dissolved	95	94	80-120	1	20

Project Name: RAYTHEON WAYLAND

Lab Number: L0714843

Project Number: 0061882

Report Date: 10/15/07

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
L0714843-01A	Vial HCl preserved	A	N/A	2C	Y	Absent	MCP-8260-04
L0714843-01B	Vial HCl preserved	A	N/A	2C	Y	Absent	MCP-8260-04
L0714843-01C	Plastic 500ml HNO3 preserved	A	<2	2C	Y	Absent	MCP-NA-6010S
L0714843-02A	Vial HCl preserved	A	N/A	2C	Y	Absent	MCP-8260-04
L0714843-02B	Vial HCl preserved	A	N/A	2C	Y	Absent	MCP-8260-04
L0714843-02C	Plastic 500ml HNO3 preserved	A	<2	2C	Y	Absent	MCP-NA-6010S
L0714843-03A	Vial HCl preserved	A	N/A	2C	Y	Absent	MCP-8260-04
L0714843-03B	Vial HCl preserved	A	N/A	2C	Y	Absent	MCP-8260-04
L0714843-03C	Plastic 500ml HNO3 preserved	A	<2	2C	Y	Absent	MCP-NA-6010S
L0714843-04A	Vial Na2S2O3 preserved	A	N/A	2C	Y	Absent	MCP-8260-04
L0714843-04B	Vial Na2S2O3 preserved	A	N/A	2C	Y	Absent	MCP-8260-04
L0714843-05A	Vial Na2S2O3 preserved	A	N/A	2C	Y	Absent	MCP-8260-04
L0714843-05B	Vial Na2S2O3 preserved	A	N/A	2C	Y	Absent	MCP-8260-04
L0714843-06A	Vial HCl preserved	A	N/A	2C	Y	Absent	MCP-8260-04
L0714843-06B	Vial HCl preserved	A	N/A	2C	Y	Absent	MCP-8260-04
L0714843-06C	Plastic 500ml HNO3 preserved	A	<2	2C	Y	Absent	MCP-NA-6010S
L0714843-07A	Vial HCl preserved	A	N/A	2C	Y	Absent	MCP-8260-04
L0714843-07B	Vial HCl preserved	A	N/A	2C	Y	Absent	MCP-8260-04
L0714843-07C	Plastic 500ml HNO3 preserved	A	<2	2C	Y	Absent	MCP-NA-6010S
L0714843-08A	Vial HCl preserved	A	N/A	2C	Y	Absent	MCP-8260-04
L0714843-08B	Vial HCl preserved	A	N/A	2C	Y	Absent	MCP-8260-04
L0714843-08C	Plastic 500ml HNO3 preserved	A	<2	2C	Y	Absent	MCP-NA-6010S

Container Comments

L0714843-01A	Temp Probe
L0714843-01B	Temp Probe
L0714843-01C	Temp Probe
L0714843-02A	Temp Probe
L0714843-02B	Temp Probe

Project Name: RAYTHEON WAYLAND**Project Number:** 0061882**Lab Number:** L0714843**Report Date:** 10/15/07**Container Information**

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

L0714843-02C Temp Probe

L0714843-03A Temp Probe

L0714843-03B Temp Probe

L0714843-03C Temp Probe

L0714843-04A Temp Probe

L0714843-04B Temp Probe

L0714843-05A Temp Probe

L0714843-05B Temp Probe

L0714843-06A Temp Probe

L0714843-06B Temp Probe

L0714843-06C Temp Probe

L0714843-07A Temp Probe

L0714843-07B Temp Probe

L0714843-07C Temp Probe

L0714843-08A Temp Probe

L0714843-08B Temp Probe

L0714843-08C Temp Probe

Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714843
Report Date: 10/15/07

GLOSSARY

Acronyms

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

Terms

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

Data Qualifiers

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

- A - Spectra identified as "Aldol Condensation Product".
B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
J - Estimated value. The analyte was tentatively identified; the quantitation is an estimation. (Tentatively identified compounds only.)

Standard Qualifiers

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

Report Format: Not Specified



Project Name: RAYTHEON WAYLAND
Project Number: 0061882

Lab Number: L0714843
Report Date: 10/15/07

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-IIIA (Revision 5). May 2004.

LIMITATION OF LIABILITIES

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

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





CHAIN OF CUSTODY

PAGE 1 OF 1

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 FAX: 508-898-9193

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

Client Information

Client: EDM

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

Phone: (617) 646-7800

Fax: (617) 229-6447

Email: Jeremy.Picard@EDM.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 #: 0001882

Project Manager: Jeremy Picard

Alpha Quote #: 10/12/02

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: 10/12/02 Time:

Date Rec'd in Lab: 10/15/02

Report Information - Data Deliverables

FAX EMAIL

ADEX Add'l Deliverables

Regulatory Requirements/Report Limits

State/Fed Program

MCP

Criteria

GW-1

ALPHA Job #: 60714842

Billing Information

Same as Client info

PO #:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Time	Sample Matrix	Sampler's Initials
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14843-01	MW-47FD-20071004-01	10/4/07	9:00	GW	MS
-02	MW-47M-20071004-01	10/4/07	10:40	GW	MS
-03	MW-47S-20071004-01	10/4/07	11:25	GW	MS
-04	MW-10E-20071004-01	10/4/07	15:20	GW	HEA
-05	MW-10F-20071004-01	10/4/07	15:50	GW	HEA
-06	MW-209-20071004-01	10/4/07	08:30	GW	HEA
-07	MW-10EM-20071004-01	10/4/07	11:00	GW	HEA
-08	MW-212-20071004-01	10/4/07	09:20	GW	HEA

ANALYSIS
 8021ch 8060 (HCL)
 DISSOLVED NA
 8021C (Na2SO3)

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

SAMPLE HANDLING

- Filtration
- Done
- Not needed
- Lab to do
- Preservation
- Lab to do

Sample Specific Comments

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT
 MA MCP or CT RCP?

Relinquished By: Don Bando

Date/Time: 10/15/07

Received By: Don Bando

Date/Time: 10/15/07

Container Type	Preservative	V	P	N
B	C	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 Payment Terms. See reverse side.