Environmental
Resources
Management

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

25 October 2006
Reference: 0042925

Mr. Robert Schelmerdeine
Wayland Meadows Limited Partnership
c/o Levco, Inc.
145 Rosemary Street
Needham, MA 02494

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

Dear Mr. Schelmerdeine:

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.

ERM collected groundwater samples from two wells, (DEP-19M and MW-264M), within the boundaries of your property between 25 and 28 September 2006. All samples were submitted for laboratory analysis of volatile organic compounds by United States Environmental Protection Agency (USEPA) Method 8260. Sample analysis was conducted by Alpha Analytical Laboratories of Westborough, Massachusetts. Analytical laboratory reports are attached to this letter.

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

Sincerely,

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

Jeremy J. Picard, P.G.
Project Manager

enclosures: BWSC-123 – Notice of Environmental Sampling
Alpha Analytical Laboratories Reports L0613818, L0613895

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: Wayland Meadows Limited Partnership

2. Street Address: 145 Rosemary Street

City/Town: Needham Zip Code: 02494

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:

☐ Immediate Response Action
☐ Release Abatement Measure
☐ Utility-related Abatement Measure
☐ Phase I Initial Site Investigation
☐ Phase II Comprehensive Site Assessment
☐ Phase III Feasibility Evaluation
☑ Phase IV Remedy Implementation Plan
☐ Phase V/Remedy Operation Status
☐ Post-Class C Operation, Maintenance and Monitoring
☐ Other _____ (specify)

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

☐ residential ☒ commerical ☐ 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:	L0613818
Client:	ERM-New England 399 Boylston Street 6th Floor Boston, MA 02116
ATTN:	Jeremy Picard
Project Name:	RAYTHEON
Project Number:	42925
Report Date:	10/04/06

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
Project Number: 42925

Lab Number: L0613818
Report Date: 10/04/06

Alpha Sample ID	Client ID	Sample Location
L0613818-01	TB-002-20060926-01	WAYLAND
L0613818-02	MW-553-20060926-01	WAYLAND
L0613818-03	MW-552-20060926-01	WAYLAND
L0613818-04	DUP-004-20060926-01	WAYLAND
L0613818-05	MW-267S-20060926-01	WAYLAND
L0613818-06	MW-267M-20060926-01	WAYLAND
L0613818-07	MW-266MA-20060926-01	WAYLAND
L0613818-08	MW-266MB-20060926-01	WAYLAND
L0613818-09	DUP-001-20060926-01	WAYLAND
L0613818-10	MW-265M-20060926-01	WAYLAND
L0613818-11	MW-268M-20060926-01	WAYLAND
L0613818-12	MW-264M-20060926-01	WAYLAND
L0613818-13	MW-551-20060926-01	WAYLAND
L0613818-14	DUP-003-20060926-01	WAYLAND
L0613818-15	MW-268D-20060926-01	WAYLAND
L0613818-16	MW-555MB-20060926-01	WAYLAND
L0613818-17	MW-555D-20060926-01	WAYLAND
L0613818-18	MW-555S-20060926-01	WAYLAND
L0613818-19	MW-555MA-20060926-01	WAYLAND

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

MADEP MCP Response Action Analytical Report Certification

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?	NA

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).

Project Name: RAYTHEON **Lab Number:** L0613818
Project Number: 42925 **Report Date:** 10/04/06

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
The following samples have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples:
L0613818-02, -04 (10x)
L0613818-03 (200x)
L0613818-05, 08 (10x)
L0613818-06 (20x)
L0613818-09, 12 (5x)
L0613818-10 (25x)
L0613818-11 (100x)
In reference to question E:
The WG255589-5 MSD % recovery for trichloroethene recovery is below criteria due to sample matrix.
The WG255675-1,2 LCS,LCSD have low recoveries for dichlorodifluoromethane and a low recovery for 1,2-dibromo-3-chloropropane (in the LCS), both difficult analytes
The WG255675-4,5 LCS,LCSD have low recoveries for 1,4-dioxane (in the LCS) and 1,2-dibromo-3-chloropropane, 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.

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: Douglas Sheeby

Title: Technical Director Date: 10/04/06

ORGANICS

VOLATILES

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID:	L0613818-01	Date Collected:	09/25/06 11:15
Client ID:	TB-002-20060926-01	Date Received:	09/27/06
Sample Location:	WAYLAND	Field Prep:	Not Specified
Matrix:	Water		
Anaytical Method:	60,8260B		
Analytical Date:	10/03/06 11:57		
Analyst:	RY		

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
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 **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID: L0613818-01 Date Collected: 09/25/06 11:15

Client ID: TB-002-20060926-01 Date Received: 09/27/06

Sample Location: WAYLAND Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	112		70-130

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID:	L0613818-02	Date Collected:	09/26/06 16:15
Client ID:	MW-553-20060926-01	Date Received:	09/27/06
Sample Location:	WAYLAND	Field Prep:	Not Specified
Matrix:	Water		
Anaytical Method:	60,8260B		
Analytical Date:	10/03/06 12:34		
Analyst:	RY		

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	33		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	520		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	95		ug/l	5.0	10
Dichlorodifluoromethane	ND		ug/l	50	10
1,2-Dibromoethane	ND		ug/l	20	10
1,3-Dichloropropane	ND		ug/l	25	10
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	10

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID: L0613818-02 Date Collected: 09/26/06 16:15

Client ID: MW-553-20060926-01 Date Received: 09/27/06

Sample Location: WAYLAND Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	109		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	113		70-130

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID:	L0613818-03	Date Collected:	09/26/06 13:28
Client ID:	MW-552-20060926-01	Date Received:	09/27/06
Sample Location:	WAYLAND	Field Prep:	Not Specified
Matrix:	Water		
Anaytical Method:	60,8260B		
Analytical Date:	10/03/06 13:11		
Analyst:	RY		

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	190		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	4400		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	280		ug/l	100	200
Dichlorodifluoromethane	ND		ug/l	1000	200
1,2-Dibromoethane	ND		ug/l	400	200
1,3-Dichloropropane	ND		ug/l	500	200
1,1,1,2-Tetrachloroethane	ND		ug/l	100	200

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID: L0613818-03 Date Collected: 09/26/06 13:28

Client ID: MW-552-20060926-01 Date Received: 09/27/06

Sample Location: WAYLAND Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	110		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	109		70-130

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID:	L0613818-04	Date Collected:	09/26/06 00:00
Client ID:	DUP-004-20060926-01	Date Received:	09/27/06
Sample Location:	WAYLAND	Field Prep:	Not Specified
Matrix:	Water		
Anaytical Method:	60,8260B		
Analytical Date:	10/03/06 15:39		
Analyst:	RY		

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	5.6		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	300		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	59		ug/l	5.0	10
Dichlorodifluoromethane	ND		ug/l	50	10
1,2-Dibromoethane	ND		ug/l	20	10
1,3-Dichloropropane	ND		ug/l	25	10
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	10

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID: L0613818-04 Date Collected: 09/26/06 00:00

Client ID: DUP-004-20060926-01 Date Received: 09/27/06

Sample Location: WAYLAND Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	106		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	110		70-130

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID:	L0613818-05	Date Collected:	09/26/06 10:34
Client ID:	MW-267S-20060926-01	Date Received:	09/27/06
Sample Location:	WAYLAND	Field Prep:	Not Specified
Matrix:	Water		
Anaytical Method:	60,8260B		
Analytical Date:	10/03/06 17:26		
Analyst:	PD		

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	6.2		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	380		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	76		ug/l	5.0	10
Dichlorodifluoromethane	ND		ug/l	50	10
1,2-Dibromoethane	ND		ug/l	20	10
1,3-Dichloropropane	ND		ug/l	25	10
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	10

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID: L0613818-05 Date Collected: 09/26/06 10:34

Client ID: MW-267S-20060926-01 Date Received: 09/27/06

Sample Location: WAYLAND Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	106		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	105		70-130

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID:	L0613818-06	Date Collected:	09/26/06 11:50
Client ID:	MW-267M-20060926-01	Date Received:	09/27/06
Sample Location:	WAYLAND	Field Prep:	Not Specified
Matrix:	Water		
Anaytical Method:	60,8260B		
Analytical Date:	10/03/06 18:05		
Analyst:	PD		

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	40		ug/l	10	20
Chlorobenzene	ND		ug/l	10	20
1,2-Dichloroethane	ND		ug/l	10	20
1,1,1-Trichloroethane	ND		ug/l	10	20
Bromodichloromethane	ND		ug/l	10	20
trans-1,3-Dichloropropene	ND		ug/l	10	20
cis-1,3-Dichloropropene	ND		ug/l	10	20
Bromoform	ND		ug/l	40	20
1,1,2,2-Tetrachloroethane	ND		ug/l	10	20
Chloromethane	ND		ug/l	50	20
Vinyl chloride	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	780		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	380		ug/l	10	20
Dichlorodifluoromethane	ND		ug/l	100	20
1,2-Dibromoethane	ND		ug/l	40	20
1,3-Dichloropropane	ND		ug/l	50	20
1,1,1,2-Tetrachloroethane	ND		ug/l	10	20

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID: L0613818-06 Date Collected: 09/26/06 11:50

Client ID: MW-267M-20060926-01 Date Received: 09/27/06

Sample Location: WAYLAND Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
o-Chlorotoluene	ND		ug/l	50	20
p-Chlorotoluene	ND		ug/l	50	20
Hexachlorobutadiene	ND		ug/l	12	20
1,2,4-Trichlorobenzene	ND		ug/l	50	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	104		70-130

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID:	L0613818-07	Date Collected:	09/26/06 11:00
Client ID:	MW-266MA-20060926-01	Date Received:	09/27/06
Sample Location:	WAYLAND	Field Prep:	Not Specified
Matrix:	Water		
Anaytical Method:	60,8260B		
Analytical Date:	10/03/06 18:43		
Analyst:	PD		

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	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	3.8		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 **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID: L0613818-07 Date Collected: 09/26/06 11:00

Client ID: MW-266MA-20060926-01 Date Received: 09/27/06

Sample Location: WAYLAND Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	105		70-130

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID:	L0613818-08	Date Collected:	09/26/06 10:15
Client ID:	MW-266MB-20060926-01	Date Received:	09/27/06
Sample Location:	WAYLAND	Field Prep:	Not Specified
Matrix:	Water		
Anaytical Method:	60,8260B		
Analytical Date:	10/03/06 19:21		
Analyst:	PD		

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	43		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	13		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	250		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	240		ug/l	5.0	10
Dichlorodifluoromethane	ND		ug/l	50	10
1,2-Dibromoethane	ND		ug/l	20	10
1,3-Dichloropropane	ND		ug/l	25	10
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	10

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID: L0613818-08 Date Collected: 09/26/06 10:15

Client ID: MW-266MB-20060926-01 Date Received: 09/27/06

Sample Location: WAYLAND Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	109		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	105		70-130

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID:	L0613818-09	Date Collected:	09/26/06 00:00
Client ID:	DUP-001-20060926-01	Date Received:	09/27/06
Sample Location:	WAYLAND	Field Prep:	Not Specified
Matrix:	Water		
Anaytical Method:	60,8260B		
Analytical Date:	10/03/06 16:20		
Analyst:	MM		

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	40		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	12		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	240		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	250		ug/l	2.5	5
Dichlorodifluoromethane	ND		ug/l	25	5
1,2-Dibromoethane	ND		ug/l	10	5
1,3-Dichloropropane	ND		ug/l	12	5
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	5

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID: L0613818-09 Date Collected: 09/26/06 00:00

Client ID: DUP-001-20060926-01 Date Received: 09/27/06

Sample Location: WAYLAND Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	108		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	105		70-130

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID:	L0613818-10	Date Collected:	09/26/06 12:50
Client ID:	MW-265M-20060926-01	Date Received:	09/27/06
Sample Location:	WAYLAND	Field Prep:	Not Specified
Matrix:	Water		
Anaytical Method:	60,8260B		
Analytical Date:	10/03/06 16:54		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Methylene chloride	ND		ug/l	120	25
1,1-Dichloroethane	ND		ug/l	19	25
Chloroform	ND		ug/l	19	25
Carbon tetrachloride	ND		ug/l	12	25
1,2-Dichloropropane	ND		ug/l	44	25
Dibromochloromethane	ND		ug/l	12	25
1,1,2-Trichloroethane	ND		ug/l	19	25
Tetrachloroethene	33		ug/l	12	25
Chlorobenzene	ND		ug/l	12	25
1,2-Dichloroethane	ND		ug/l	12	25
1,1,1-Trichloroethane	ND		ug/l	12	25
Bromodichloromethane	ND		ug/l	12	25
trans-1,3-Dichloropropene	ND		ug/l	12	25
cis-1,3-Dichloropropene	ND		ug/l	12	25
Bromoform	ND		ug/l	50	25
1,1,2,2-Tetrachloroethane	ND		ug/l	12	25
Chloromethane	ND		ug/l	62	25
Vinyl chloride	230		ug/l	25	25
Chloroethane	ND		ug/l	25	25
1,1-Dichloroethene	ND		ug/l	12	25
trans-1,2-Dichloroethene	ND		ug/l	19	25
Trichloroethene	210		ug/l	12	25
1,2-Dichlorobenzene	ND		ug/l	62	25
1,3-Dichlorobenzene	ND		ug/l	62	25
1,4-Dichlorobenzene	ND		ug/l	62	25
cis-1,2-Dichloroethene	1000		ug/l	12	25
Dichlorodifluoromethane	ND		ug/l	120	25
1,2-Dibromoethane	ND		ug/l	50	25
1,3-Dichloropropane	ND		ug/l	62	25
1,1,1,2-Tetrachloroethane	ND		ug/l	12	25

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID: L0613818-10 Date Collected: 09/26/06 12:50

Client ID: MW-265M-20060926-01 Date Received: 09/27/06

Sample Location: WAYLAND Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
o-Chlorotoluene	ND		ug/l	62	25
p-Chlorotoluene	ND		ug/l	62	25
Hexachlorobutadiene	ND		ug/l	15	25
1,2,4-Trichlorobenzene	ND		ug/l	62	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	108		70-130

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID:	L0613818-11	Date Collected:	09/26/06 12:45
Client ID:	MW-268M-20060926-01	Date Received:	09/27/06
Sample Location:	WAYLAND	Field Prep:	Not Specified
Matrix:	Water		
Anaytical Method:	60,8260B		
Analytical Date:	10/03/06 17:28		
Analyst:	MM		

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	61		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	140		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	2100		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	4600		ug/l	50	100
Dichlorodifluoromethane	ND		ug/l	500	100
1,2-Dibromoethane	ND		ug/l	200	100
1,3-Dichloropropane	ND		ug/l	250	100
1,1,1,2-Tetrachloroethane	ND		ug/l	50	100

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID: L0613818-11 Date Collected: 09/26/06 12:45

Client ID: MW-268M-20060926-01 Date Received: 09/27/06

Sample Location: WAYLAND Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	109		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	106		70-130

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID:	L0613818-12	Date Collected:	09/26/06 15:25
Client ID:	MW-264M-20060926-01	Date Received:	09/27/06
Sample Location:	WAYLAND	Field Prep:	Not Specified
Matrix:	Water		
Anaytical Method:	60,8260B		
Analytical Date:	10/03/06 18:02		
Analyst:	MM		

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	20		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	68		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	210		ug/l	2.5	5
Dichlorodifluoromethane	ND		ug/l	25	5
1,2-Dibromoethane	ND		ug/l	10	5
1,3-Dichloropropane	ND		ug/l	12	5
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	5

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID: L0613818-12 Date Collected: 09/26/06 15:25

Client ID: MW-264M-20060926-01 Date Received: 09/27/06

Sample Location: WAYLAND Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	111		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	106		70-130

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID:	L0613818-13	Date Collected:	09/26/06 15:20
Client ID:	MW-551-20060926-01	Date Received:	09/27/06
Sample Location:	WAYLAND	Field Prep:	Not Specified
Matrix:	Water		
Anaytical Method:	60,8260B		
Analytical Date:	10/03/06 18:36		
Analyst:	MM		

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	40		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	0.60		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 **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID: L0613818-13 Date Collected: 09/26/06 15:20

Client ID: MW-551-20060926-01 Date Received: 09/27/06

Sample Location: WAYLAND Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	106		70-130

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID:	L0613818-14	Date Collected:	09/26/06 00:00
Client ID:	DUP-003-20060926-01	Date Received:	09/27/06
Sample Location:	WAYLAND	Field Prep:	Not Specified
Matrix:	Water		
Anaytical Method:	60,8260B		
Analytical Date:	10/03/06 10:59		
Analyst:	MM		

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	8.4		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	9.2		ug/l	0.50	1
Dichlorodifluoromethane	ND		ug/l	5.0	1
1,2-Dibromoethane	ND		ug/l	2.0	1
1,3-Dichloropropane	ND		ug/l	2.5	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	1

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID: L0613818-14 Date Collected: 09/26/06 00:00

Client ID: DUP-003-20060926-01 Date Received: 09/27/06

Sample Location: WAYLAND Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	106		70-130

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID:	L0613818-15	Date Collected:	09/26/06 11:30
Client ID:	MW-268D-20060926-01	Date Received:	09/27/06
Sample Location:	WAYLAND	Field Prep:	Not Specified
Matrix:	Water		
Anaytical Method:	60,8260B		
Analytical Date:	10/03/06 11:32		
Analyst:	MM		

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	8.7		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	9.3		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 **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID: L0613818-15 Date Collected: 09/26/06 11:30

Client ID: MW-268D-20060926-01 Date Received: 09/27/06

Sample Location: WAYLAND Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	109		70-130

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID:	L0613818-16	Date Collected:	09/26/06 12:00
Client ID:	MW-555MB-20060926-01	Date Received:	09/27/06
Sample Location:	WAYLAND	Field Prep:	Not Specified
Matrix:	Water		
Anaytical Method:	60,8260B		
Analytical Date:	10/03/06 12:06		
Analyst:	MM		

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
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 **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID: L0613818-16 Date Collected: 09/26/06 12:00

Client ID: MW-555MB-20060926-01 Date Received: 09/27/06

Sample Location: WAYLAND Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	106		70-130

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID:	L0613818-17	Date Collected:	09/26/06 11:10
Client ID:	MW-555D-20060926-01	Date Received:	09/27/06
Sample Location:	WAYLAND	Field Prep:	Not Specified
Matrix:	Water		
Anaytical Method:	60,8260B		
Analytical Date:	10/03/06 12:39		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
Methylene chloride	ND		ug/l	5.0	1
1,1-Dichloroethane	0.94		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	3.1		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 **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID: L0613818-17 Date Collected: 09/26/06 11:10

Client ID: MW-555D-20060926-01 Date Received: 09/27/06

Sample Location: WAYLAND Field Prep: Not Specified

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

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

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID:	L0613818-18	Date Collected:	09/26/06 11:55
Client ID:	MW-555S-20060926-01	Date Received:	09/27/06
Sample Location:	WAYLAND	Field Prep:	Not Specified
Matrix:	Water		
Anaytical Method:	60,8260B		
Analytical Date:	10/03/06 13:12		
Analyst:	MM		

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
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 **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID: L0613818-18 Date Collected: 09/26/06 11:55

Client ID: MW-555S-20060926-01 Date Received: 09/27/06

Sample Location: WAYLAND Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	110		70-130

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID:	L0613818-19	Date Collected:	09/26/06 11:03
Client ID:	MW-555MA-20060926-01	Date Received:	09/27/06
Sample Location:	WAYLAND	Field Prep:	Not Specified
Matrix:	Water		
Anaytical Method:	60,8260B		
Analytical Date:	10/03/06 13:46		
Analyst:	MM		

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
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 **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

SAMPLE RESULTS

Lab ID: L0613818-19 Date Collected: 09/26/06 11:03

Client ID: MW-555MA-20060926-01 Date Received: 09/27/06

Sample Location: WAYLAND Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	110		70-130

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 10/03/06 11:21
Analyst: RY

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-04 Batch: WG255589-3				
Methylene chloride	ND		ug/l	5.0
1,1-Dichloroethane	ND		ug/l	0.75
Chloroform	ND		ug/l	0.75
Carbon tetrachloride	ND		ug/l	0.50
1,2-Dichloropropane	ND		ug/l	1.8
Dibromochloromethane	ND		ug/l	0.50
1,1,2-Trichloroethane	ND		ug/l	0.75
Tetrachloroethene	ND		ug/l	0.50
Chlorobenzene	ND		ug/l	0.50
1,2-Dichloroethane	ND		ug/l	0.50
1,1,1-Trichloroethane	ND		ug/l	0.50
Bromodichloromethane	ND		ug/l	0.50
trans-1,3-Dichloropropene	ND		ug/l	0.50
cis-1,3-Dichloropropene	ND		ug/l	0.50
Bromoform	ND		ug/l	2.0
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50
Chloromethane	ND		ug/l	2.5
Vinyl chloride	ND		ug/l	1.0
Chloroethane	ND		ug/l	1.0
1,1-Dichloroethene	ND		ug/l	0.50
trans-1,2-Dichloroethene	ND		ug/l	0.75
Trichloroethene	ND		ug/l	0.50
1,2-Dichlorobenzene	ND		ug/l	2.5
1,3-Dichlorobenzene	ND		ug/l	2.5
1,4-Dichlorobenzene	ND		ug/l	2.5
cis-1,2-Dichloroethene	ND		ug/l	0.50
Dichlorodifluoromethane	ND		ug/l	5.0
1,2-Dibromoethane	ND		ug/l	2.0
1,3-Dichloropropane	ND		ug/l	2.5
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50
o-Chlorotoluene	ND		ug/l	2.5
p-Chlorotoluene	ND		ug/l	2.5
Hexachlorobutadiene	ND		ug/l	0.60
1,2,4-Trichlorobenzene	ND		ug/l	2.5

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 10/03/06 11:21
Analyst: RY

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01-04 Batch: WG255589-3				

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	108		70-130

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 10/03/06 16:47
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 05-08 Batch: WG255661-3				
Methylene chloride	ND		ug/l	5.0
1,1-Dichloroethane	ND		ug/l	0.75
Chloroform	ND		ug/l	0.75
Carbon tetrachloride	ND		ug/l	0.50
1,2-Dichloropropane	ND		ug/l	1.8
Dibromochloromethane	ND		ug/l	0.50
1,1,2-Trichloroethane	ND		ug/l	0.75
Tetrachloroethene	ND		ug/l	0.50
Chlorobenzene	ND		ug/l	0.50
1,2-Dichloroethane	ND		ug/l	0.50
1,1,1-Trichloroethane	ND		ug/l	0.50
Bromodichloromethane	ND		ug/l	0.50
trans-1,3-Dichloropropene	ND		ug/l	0.50
cis-1,3-Dichloropropene	ND		ug/l	0.50
Bromoform	ND		ug/l	2.0
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50
Chloromethane	ND		ug/l	2.5
Vinyl chloride	ND		ug/l	1.0
Chloroethane	ND		ug/l	1.0
1,1-Dichloroethene	ND		ug/l	0.50
trans-1,2-Dichloroethene	ND		ug/l	0.75
Trichloroethene	ND		ug/l	0.50
1,2-Dichlorobenzene	ND		ug/l	2.5
1,3-Dichlorobenzene	ND		ug/l	2.5
1,4-Dichlorobenzene	ND		ug/l	2.5
cis-1,2-Dichloroethene	ND		ug/l	0.50
Dichlorodifluoromethane	ND		ug/l	5.0
1,2-Dibromoethane	ND		ug/l	2.0
1,3-Dichloropropane	ND		ug/l	2.5
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50
o-Chlorotoluene	ND		ug/l	2.5
p-Chlorotoluene	ND		ug/l	2.5
Hexachlorobutadiene	ND		ug/l	0.60
1,2,4-Trichlorobenzene	ND		ug/l	2.5

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 10/03/06 16:47
Analyst: PD

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 05-08 Batch: WG255661-3				

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	101		70-130

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 10/03/06 10:24
Analyst: MM

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 14-19 Batch: WG255675-3				
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
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

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 10/03/06 10:24
Analyst: MM

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 14-19 Batch: WG255675-3				
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
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

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 10/03/06 10:24
Analyst: MM

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 14-19 Batch: WG255675-3				
1,4-Dioxane	ND		ug/l	250

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	103		70-130

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 10/03/06 15:46
Analyst: MM

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 09-13 Batch: WG255675-6				
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
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

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 10/03/06 15:46
Analyst: MM

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 09-13 Batch: WG255675-6				
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
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

Project Name: RAYTHEON **Lab Number:** L0613818

Project Number: 42925 **Report Date:** 10/04/06

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 10/03/06 15:46
Analyst: MM

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 09-13 Batch: WG255675-6				
1,4-Dioxane	ND		ug/l	250

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	105		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON

Project Number: 42925

Lab Number: L0613818

Report Date: 10/04/06

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-04 Batch: WG255589-1 WG255589-2					
Methylene chloride	103	103	70-130	0	25
1,1-Dichloroethane	108	107	70-130	1	25
Chloroform	104	106	70-130	2	25
Carbon tetrachloride	101	101	70-130	0	25
1,2-Dichloropropane	99	104	70-130	5	25
Dibromochloromethane	94	94	70-130	0	25
1,1,2-Trichloroethane	104	101	70-130	3	25
Tetrachloroethene	104	104	70-130	0	25
Chlorobenzene	105	105	70-130	0	25
1,2-Dichloroethane	102	102	70-130	0	25
1,1,1-Trichloroethane	101	102	70-130	1	25
Bromodichloromethane	94	96	70-130	2	25
trans-1,3-Dichloropropene	104	102	70-130	2	25
cis-1,3-Dichloropropene	92	95	70-130	3	25
Bromoform	104	106	70-130	2	50
1,1,2,2-Tetrachloroethane	103	101	70-130	2	25
Chloromethane	105	112	70-130	6	50
Vinyl chloride	109	110	70-130	1	25
Chloroethane	112	114	70-130	2	25
1,1-Dichloroethene	101	104	70-130	3	25
trans-1,2-Dichloroethene	98	102	70-130	4	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON
Project Number: 42925

Lab Number: L0613818
Report Date: 10/04/06

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01-04 Batch: WG255589-1 WG255589-2					
Trichloroethene	94	101	70-130	7	25
1,2-Dichlorobenzene	98	97	70-130	1	25
1,3-Dichlorobenzene	100	99	70-130	1	25
1,4-Dichlorobenzene	101	102	70-130	1	25
cis-1,2-Dichloroethene	101	103	70-130	2	25
Dichlorodifluoromethane	119	115	70-130	3	50
1,2-Dibromoethane	100	100	70-130	0	25
1,3-Dichloropropane	104	104	70-130	0	25
1,1,1,2-Tetrachloroethane	105	104	70-130	1	25
o-Chlorotoluene	101	101	70-130	0	25
p-Chlorotoluene	101	100	70-130	1	25
Hexachlorobutadiene	101	91	70-130	10	25
1,2,4-Trichlorobenzene	84	86	70-130	2	25

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		108		70-130
Toluene-d8	106		104		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	107		108		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RAYTHEON
Project Number: 42925

Lab Number: L0613818
Report Date: 10/04/06

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 05-08 Batch: WG255661-1 WG255661-2					
Methylene chloride	108	96	70-130	12	25
1,1-Dichloroethane	105	92	70-130	13	25
Chloroform	109	95	70-130	14	25
Carbon tetrachloride	119	103	70-130	14	25
1,2-Dichloropropane	104	90	70-130	14	25
Dibromochloromethane	110	94	70-130	16	25
1,1,2-Trichloroethane	109	92	70-130	17	25
Tetrachloroethene	118	100	70-130	17	25
Chlorobenzene	114	99	70-130	14	25
1,2-Dichloroethane	115	96	70-130	18	25
1,1,1-Trichloroethane	111	98	70-130	12	25
Bromodichloromethane	109	95	70-130	14	25
trans-1,3-Dichloropropene	103	85	70-130	19	25
cis-1,3-Dichloropropene	99	86	70-130	14	25
Bromoform	112	97	70-130	14	50
1,1,2,2-Tetrachloroethane	104	88	70-130	17	25
Chloromethane	82	78	70-130	5	50
Vinyl chloride	101	89	70-130	13	25
Chloroethane	116	93	70-130	22	25
1,1-Dichloroethene	103	90	70-130	13	25
trans-1,2-Dichloroethene	105	93	70-130	12	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON

Project Number: 42925

Lab Number: L0613818

Report Date: 10/04/06

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 05-08 Batch: WG255661-1 WG255661-2					
Trichloroethene	110	95	70-130	15	25
1,2-Dichlorobenzene	114	101	70-130	12	25
1,3-Dichlorobenzene	116	102	70-130	13	25
1,4-Dichlorobenzene	115	100	70-130	14	25
cis-1,2-Dichloroethene	111	95	70-130	16	25
Dichlorodifluoromethane	74	**66**	70-130	11	50
1,2-Dibromoethane	114	95	70-130	18	25
1,3-Dichloropropane	110	93	70-130	17	25
1,1,1,2-Tetrachloroethane	117	103	70-130	13	25
o-Chlorotoluene	102	91	70-130	11	25
p-Chlorotoluene	108	97	70-130	11	25
Hexachlorobutadiene	109	96	70-130	13	25
1,2,4-Trichlorobenzene	111	96	70-130	14	25

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		100		70-130
Toluene-d8	97		98		70-130
4-Bromofluorobenzene	93		95		70-130
Dibromofluoromethane	103		103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON

Project Number: 42925

Lab Number: L0613818

Report Date: 10/04/06

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 14-19 Batch: WG255675-1 WG255675-2					
Methylene chloride	99	90	70-130	10	25
1,1-Dichloroethane	100	87	70-130	14	25
Chloroform	98	89	70-130	10	25
Carbon tetrachloride	87	81	70-130	7	25
1,2-Dichloropropane	96	91	70-130	5	25
Dibromochloromethane	81	76	70-130	6	25
1,1,2-Trichloroethane	98	90	70-130	9	25
Tetrachloroethene	101	90	70-130	12	25
Chlorobenzene	98	90	70-130	9	25
Trichlorofluoromethane	108	95	70-130	13	25
1,2-Dichloroethane	101	94	70-130	7	25
1,1,1-Trichloroethane	93	84	70-130	10	25
Bromodichloromethane	87	80	70-130	8	25
trans-1,3-Dichloropropene	83	80	70-130	4	25
cis-1,3-Dichloropropene	90	82	70-130	9	25
1,1-Dichloropropene	100	91	70-130	9	25
Bromoform	79	76	70-130	4	50
1,1,2,2-Tetrachloroethane	94	91	70-130	3	25
Benzene	99	91	70-130	8	25
Toluene	101	90	70-130	12	25
Ethylbenzene	104	91	70-130	13	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON

Project Number: 42925

Lab Number: L0613818

Report Date: 10/04/06

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 14-19 Batch: WG255675-1 WG255675-2					
Chloromethane	74	70	70-130	6	50
Bromomethane	76	78	70-130	3	50
Vinyl chloride	83	74	70-130	11	25
Chloroethane	90	84	70-130	7	25
1,1-Dichloroethene	90	81	70-130	11	25
trans-1,2-Dichloroethene	95	86	70-130	10	25
Trichloroethene	94	84	70-130	11	25
1,2-Dichlorobenzene	92	87	70-130	6	25
1,3-Dichlorobenzene	95	89	70-130	7	25
1,4-Dichlorobenzene	94	89	70-130	5	25
Methyl tert butyl ether	94	89	70-130	5	25
p/m-Xylene	110	94	70-130	16	25
o-Xylene	106	93	70-130	13	25
cis-1,2-Dichloroethene	101	92	70-130	9	25
Dibromomethane	99	92	70-130	7	25
1,2,3-Trichloropropane	100	96	70-130	4	25
Styrene	98	87	70-130	12	25
Dichlorodifluoromethane	**59**	**51**	70-130	15	50
Acetone	110	96	70-130	14	50
Carbon disulfide	77	71	70-130	8	25
2-Butanone	107	104	70-130	3	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON

Project Number: 42925

Lab Number: L0613818

Report Date: 10/04/06

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 14-19 Batch: WG255675-1 WG255675-2					
4-Methyl-2-pentanone	108	103	70-130	5	50
2-Hexanone	101	100	70-130	1	50
Bromochloromethane	99	92	70-130	7	25
Tetrahydrofuran	88	90	70-130	2	25
2,2-Dichloropropane	91	87	70-130	4	50
1,2-Dibromoethane	93	89	70-130	4	25
1,3-Dichloropropane	99	92	70-130	7	25
1,1,1,2-Tetrachloroethane	89	82	70-130	8	25
Bromobenzene	93	89	70-130	4	25
n-Butylbenzene	99	89	70-130	11	25
sec-Butylbenzene	100	92	70-130	8	25
tert-Butylbenzene	99	90	70-130	10	25
o-Chlorotoluene	101	94	70-130	7	25
p-Chlorotoluene	100	93	70-130	7	25
1,2-Dibromo-3-chloropropane	**68**	74	70-130	8	50
Hexachlorobutadiene	92	82	70-130	11	25
Isopropylbenzene	112	100	70-130	11	25
p-Isopropyltoluene	97	88	70-130	10	25
Naphthalene	91	91	70-130	0	25
n-Propylbenzene	101	92	70-130	9	25
1,2,3-Trichlorobenzene	92	88	70-130	4	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON
Project Number: 42925

Lab Number: L0613818
Report Date: 10/04/06

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 14-19 Batch: WG255675-1 WG255675-2					
1,2,4-Trichlorobenzene	83	81	70-130	2	25
1,3,5-Trimethylbenzene	101	90	70-130	12	25
1,2,4-Trimethylbenzene	102	93	70-130	9	25
Ethyl ether	103	98	70-130	5	25
Isopropyl Ether	104	95	70-130	9	25
Ethyl-Tert-Butyl-Ether	98	92	70-130	6	25
Tertiary-Amyl Methyl Ether	95	86	70-130	10	25
1,4-Dioxane	85	77	70-130	10	50

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		103		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	98		102		70-130
Dibromofluoromethane	101		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON

Project Number: 42925

Lab Number: L0613818

Report Date: 10/04/06

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 09-13 Batch: WG255675-4 WG255675-5					
Methylene chloride	101	98	70-130	3	25
1,1-Dichloroethane	93	92	70-130	1	25
Chloroform	93	92	70-130	1	25
Carbon tetrachloride	78	79	70-130	1	25
1,2-Dichloropropane	94	95	70-130	1	25
Dibromochloromethane	71	71	70-130	0	25
1,1,2-Trichloroethane	94	93	70-130	1	25
Tetrachloroethene	100	95	70-130	5	25
Chlorobenzene	96	93	70-130	3	25
Trichlorofluoromethane	115	112	70-130	3	25
1,2-Dichloroethane	97	97	70-130	0	25
1,1,1-Trichloroethane	82	82	70-130	0	25
Bromodichloromethane	76	81	70-130	6	25
trans-1,3-Dichloropropene	77	76	70-130	1	25
cis-1,3-Dichloropropene	81	84	70-130	4	25
1,1-Dichloropropene	97	95	70-130	2	25
Bromoform	71	72	70-130	1	50
1,1,2,2-Tetrachloroethane	92	94	70-130	2	25
Benzene	98	96	70-130	2	25
Toluene	100	93	70-130	7	25
Ethylbenzene	102	96	70-130	6	25

Lab Control Sample Analysis
Batch Quality Control

Project Name: RAYTHEON
Project Number: 42925

Lab Number: L0613818
Report Date: 10/04/06

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 09-13 Batch: WG255675-4 WG255675-5					
Chloromethane	97	96	70-130	1	50
Bromomethane	80	86	70-130	7	50
Vinyl chloride	100	99	70-130	1	25
Chloroethane	102	99	70-130	3	25
1,1-Dichloroethene	93	90	70-130	3	25
trans-1,2-Dichloroethene	96	92	70-130	4	25
Trichloroethene	88	88	70-130	0	25
1,2-Dichlorobenzene	90	91	70-130	1	25
1,3-Dichlorobenzene	94	93	70-130	1	25
1,4-Dichlorobenzene	94	94	70-130	0	25
Methyl tert butyl ether	85	88	70-130	3	25
p/m-Xylene	107	103	70-130	4	25
o-Xylene	102	97	70-130	5	25
cis-1,2-Dichloroethene	97	99	70-130	2	25
Dibromomethane	95	98	70-130	3	25
1,2,3-Trichloropropane	98	100	70-130	2	25
Styrene	93	89	70-130	4	25
Dichlorodifluoromethane	121	118	70-130	3	50
Acetone	98	110	70-130	12	50
Carbon disulfide	72	70	70-130	3	25
2-Butanone	97	100	70-130	3	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON

Project Number: 42925

Lab Number: L0613818

Report Date: 10/04/06

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 09-13 Batch: WG255675-4 WG255675-5					
4-Methyl-2-pentanone	102	98	70-130	4	50
2-Hexanone	100	94	70-130	6	50
Bromochloromethane	98	95	70-130	3	25
Tetrahydrofuran	78	79	70-130	1	25
2,2-Dichloropropane	87	86	70-130	1	50
1,2-Dibromoethane	92	88	70-130	4	25
1,3-Dichloropropane	98	96	70-130	2	25
1,1,1,2-Tetrachloroethane	77	78	70-130	1	25
Bromobenzene	92	92	70-130	0	25
n-Butylbenzene	98	94	70-130	4	25
sec-Butylbenzene	101	97	70-130	4	25
tert-Butylbenzene	97	94	70-130	3	25
o-Chlorotoluene	102	99	70-130	3	25
p-Chlorotoluene	99	97	70-130	2	25
1,2-Dibromo-3-chloropropane	**62**	**64**	70-130	3	50
Hexachlorobutadiene	90	87	70-130	3	25
Isopropylbenzene	108	103	70-130	5	25
p-Isopropyltoluene	96	92	70-130	4	25
Naphthalene	88	91	70-130	3	25
n-Propylbenzene	98	97	70-130	1	25
1,2,3-Trichlorobenzene	89	92	70-130	3	25

Lab Control Sample Analysis
Batch Quality Control

Project Name: RAYTHEON
Project Number: 42925
Lab Number: L0613818
Report Date: 10/04/06

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 09-13 Batch: WG255675-4 WG255675-5					
1,2,4-Trichlorobenzene	83	82	70-130	1	25
1,3,5-Trimethylbenzene	98	95	70-130	3	25
1,2,4-Trimethylbenzene	101	100	70-130	1	25
Ethyl ether	97	97	70-130	0	25
Isopropyl Ether	93	95	70-130	2	25
Ethyl-Tert-Butyl-Ether	90	92	70-130	2	25
Tertiary-Amyl Methyl Ether	87	88	70-130	1	25
1,4-Dioxane	**69**	73	70-130	6	50

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		105		70-130
Toluene-d8	102		98		70-130
4-Bromofluorobenzene	101		102		70-130
Dibromofluoromethane	95		97		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: RAYTHEON
Project Number: 42925

Lab Number: L0613818
Report Date: 10/04/06

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): 01-04 QC Batch ID: WG255589-4 WG255589-5 QC Sample: L0613818-03 Client ID: MW-552-20060926-01									
Methylene chloride	ND	2000	2200	108	2100	105	70-130	3	30
1,1-Dichloroethane	ND	2000	2200	113	2100	106	70-130	6	30
Chloroform	ND	2000	2100	106	2000	101	70-130	5	30
Carbon tetrachloride	ND	2000	2100	105	2000	98	70-130	7	30
1,2-Dichloropropane	ND	2000	2000	102	2000	99	70-130	3	30
Dibromochloromethane	ND	2000	2000	98	1800	91	70-130	7	30
1,1,2-Trichloroethane	ND	2000	2100	107	2000	101	70-130	6	30
Tetrachloroethene	190	2000	2400	111	2200	103	70-130	7	30
Chlorobenzene	ND	2000	2100	107	2000	102	70-130	5	30
1,2-Dichloroethane	ND	2000	2100	107	2100	104	70-130	3	30
1,1,1-Trichloroethane	ND	2000	2100	104	2000	98	70-130	6	30
Bromodichloromethane	ND	2000	1900	95	1900	95	70-130	0	30
trans-1,3-Dichloropropene	ND	2000	2100	103	2000	99	70-130	4	30
cis-1,3-Dichloropropene	ND	2000	1900	96	1800	92	70-130	4	30
Bromoform	ND	2000	2100	104	2000	98	70-130	6	30
1,1,2,2-Tetrachloroethane	ND	2000	2000	100	2000	100	70-130	0	30
Chloromethane	ND	2000	2300	113	2100	107	70-130	5	30
Vinyl chloride	ND	2000	2300	115	2200	108	70-130	6	30
Chloroethane	ND	2000	2400	120	2200	111	70-130	8	30
1,1-Dichloroethene	ND	2000	2000	103	2000	99	70-130	4	30
trans-1,2-Dichloroethene	ND	2000	2100	104	2000	100	70-130	4	30

Matrix Spike Analysis
Batch Quality Control

Project Name: RAYTHEON
Project Number: 42925

Lab Number: L0613818
Report Date: 10/04/06

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): 01-04 QC Batch ID: WG255589-4 WG255589-5 QC Sample: L0613818-03 Client ID: MW-552-20060926-01									
Trichloroethene	4400	2000	5900	76	5600	**61**	70-130	22	30
1,2-Dichlorobenzene	ND	2000	2000	100	2000	100	70-130	0	30
1,3-Dichlorobenzene	ND	2000	2000	102	2000	100	70-130	2	30
1,4-Dichlorobenzene	ND	2000	2100	104	2000	100	70-130	4	30
cis-1,2-Dichloroethene	280	2000	2500	110	2400	106	70-130	4	30
Dichlorodifluoromethane	ND	2000	2400	121	2100	107	70-130	12	30
1,2-Dibromoethane	ND	2000	2000	102	2000	99	70-130	3	30
1,3-Dichloropropane	ND	2000	2100	105	2000	98	70-130	7	30
1,1,1,2-Tetrachloroethane	ND	2000	2200	108	2000	100	70-130	8	30
o-Chlorotoluene	ND	2000	2100	105	2000	102	70-130	3	30
p-Chlorotoluene	ND	2000	2100	104	2000	103	70-130	1	30
Hexachlorobutadiene	ND	2000	2000	98	1900	95	70-130	3	30
1,2,4-Trichlorobenzene	ND	2000	1600	81	1700	85	70-130	5	30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		105		70-130
4-Bromofluorobenzene	98		99		70-130
Dibromofluoromethane	110		108		70-130
Toluene-d8	105		101		70-130

Project Name: RAYTHEON
Project Number: 42925

Lab Number: L0613818
Report Date: 10/04/06

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
L0613818-01A	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-02A	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-02B	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-03A	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-03B	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-03C	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-03D	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-03E	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-03F	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-04A	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-04B	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-05A	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-05B	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-06A	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-06B	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-07A	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-07B	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-08A	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-08B	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-09A	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-09B	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-10A	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-10B	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-11A	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-11B	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-12A	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-12B	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-13A	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-13B	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-14A	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04

Project Name: RAYTHEON
Project Number: 42925

Lab Number: L0613818
Report Date: 10/04/06

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0613818-14B	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-15A	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-15B	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-16A	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-16B	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-17A	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-17B	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-18A	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-18B	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-19A	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04
L0613818-19B	Vial HCl preserved	A	NA	3.2 C	Y	Absent	MCP-8260-04

Project Name:	RAYTHEON	**Lab Number:**	L0613818
Project Number:	42925	**Report Date:**	10/04/06

GLOSSARY

Acronyms

EPA - Environmental Protection Agency.
LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD - Laboratory Control Sample Duplicate: Refer to LCS.
MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD - Matrix Spike Sample Duplicate: Refer to MS.
NA - Not Applicable.
NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
ND - Not detected at the reported detection limit for the sample.
RDL - Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
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.)

Report Format: Not Specified

Project Name: RAYTHEON
Project Number: 42925
Lab Number: L0613818
Report Date: 10/04/06

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.

10040612:44

CHAIN OF CUSTODY

PAGE 1 OF 3

Date Rec'd in Lab: 9/27/06

ALPHA Job #: L0613818

ALPHA
WOODS HOLE LABS

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

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

Client Information

Client: ERM-BOSTON

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

Phone (617) 646-7800

Fax: (617) 267-6447

Email: jeremy.picard@erm.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: RAYTHEON

Project Location: WAYLAND

Project #: 42975

Project Manager: JEREMY PICARD

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 10/4/06 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: MCP/GW-1

Criteria: METHOD 1 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?

ANALYSIS: 8021c by 8260

SAMPLE HANDLING

Filtration
☒ Done
☐ Not needed
☐ Lab to do

Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TOTAL # BOTTLES	Sample Specific Comments
3818.1	TB-002-20060926-01	9/25/06	11:15	GW	ZP	1	
2	MW-553-20060926-01	9/26/06	16:15	GW	JDF	2	
3	MW-552-20060926-01	9/26/06	13:28	GW	JDF	2	
3	MW-552-20060926-01-MS	9/26/06	13:28	GW	JDF	2	
3	MW-552-20060926-01-MSD	9/26/06	13:28	GW	JDF	2	
4	DUP-004-20060926-01	9/26/06	24:00	GW	JDF	2	
5	MW-2675-20060926-01	9/26/06	10:34	GW	JDF	2	
6	MW-267M-20060926-01	9/26/06	11:50	GW	JDF	2	
7	MW-266Ma-20060926-01	9/26/06	11:00	GW	~~JDF~~ BSM	2	
8	MW-266Mb-20060926-01	9/26/06	10:15	GW	~~JDF~~ BSM	2	

Container Type: V

Preservative: B

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	9/27 10:28	[illegible]	9/27/06 10:28
[illegible]	9/27 1115	[illegible]	9/27/06 11:15

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.

FORMNO: 01-01 (rev. 10-OCT-05)

CHAIN OF CUSTODY PAGE 2 OF 3

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

Date Rec'd in Lab: 9/27

ALPHA Job #: L0613818

Client Information

Client: ERM-BOSTON
Address: 399 BOYLSTON ST 6TH FLOOR BOSTON, MA 02116
Phone: (617) 646-7800
Fax: (617) 267-6447
Email: jeremy.picard@erm.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: RAYTHEON
Project Location: WAYLAND
Project #: 42925
Project Manager: JEREMY PICARD
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 10/4/06 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: MCP
Criteria: METHOD 1 GW1

MA MCP PRESUMPTIVE CERTAINTY -- CT REASONABLE CONFIDENCE PROTOCOLS

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

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: 8021c by 8260

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TOTAL # BOTTLES	Sample Specific Comments
3818 9	DUP-001-20060926-01	9/26/06	24:00	GW	BM	2	
10	MW-265M-20060926-01	9/26/06	12:50	GW	BM	2	
11	MW-268M-20060926-01	9/26/06	12:45	GW	HEA	2	
12	MW-264M-20060926-01	9/26/06	15:25	GW	HEA	2	
13	MW-551-20060926-01	9/26/06	15:20	GW	BM	2	
14	DUP-003-20060926-01	9/26/06	24:00	GW	HEA	2	
15	MW-268D-20060926-01	9/26/06	11:30	GW	HEA	2	
16	MW-555Mb-20060926-01	9/26/06	12:00	GW	TD	2	
17	MW-555D-20060926-01	9/26/06	11:10	GW	TD	2	
18	MW-555S-20060926-01	9/26/06	11:55	GW	EJM	2	

Container Type: V
Preservative: B

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
	9/27 11:15		9/27/06

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

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

10040612:44

CHAIN OF CUSTODY

PAGE 3 OF 3

Date Rec'd in Lab: 9/27/06

ALPHA Job #: L0613818

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

Client Information

Client: ERM-BOSTON

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

Phone: (617) 646-7800

Fax: (617) 267-6447

Email: jeremy.picard@erm.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: RAYTHEON

Project Location: WAYLAND

Project #: 42925

Project Manager: JEREMY PICARD

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 10/4/06 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: MCP Criteria: METHOD 1/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?

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: 8021c by 8260

SAMPLE HANDLING

Filtration
☐ Done
☒ Not needed
☐ Lab to do

Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TOTAL # BOTTLES	Sample Specific Comments
3818, 19	MW-555Ma-20060926-01	9/26/06	11:03	GW	ESM	2	

Container Type: V

Preservative: B

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
	9/27/06 10:23		
	9/27/06 11:15		9/27/06 11:15

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.

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

ANALYTICAL REPORT

Lab Number:	L0613895
Client:	ERM-New England 399 Boylston Street 6th Floor Boston, MA 02116
ATTN:	Jeremy Picard
Project Name:	RAYTHEON
Project Number:	42925
Report Date:	10/05/06

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
Project Number: 42925

Lab Number: L0613895
Report Date: 10/05/06

Alpha Sample ID	Client ID	Sample Location
L0613895-01	DEP-19M-20060927-01	WAYLAND
L0613895-02	MW-261S-20060927-01	WAYLAND
L0613895-03	MW-262S-20060927-01	WAYLAND

Project Name: RAYTHEON **Lab Number:** L0613895

Project Number: 42925 **Report Date:** 10/05/06

MADEP MCP Response Action Analytical Report Certification

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?	NA

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).

Project Name: RAYTHEON **Lab Number:** L0613895
Project Number: 42925 **Report Date:** 10/05/06

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.

Volatile Organics

The following samples have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples:

L0613895-02 (100x)

L0613895-03 (2x)

In reference to question E:

The WG255675-4,5 LCS,LCSD have low recoveries for 1,4-dioxane (in the LCS) and 1,2-dibromo-3-chloropropane, 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.

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

Authorized Signature:

Title: Technical Director Date: 10/05/06

ORGANICS

VOLATILES

Project Name: RAYTHEON **Lab Number:** L0613895

Project Number: 42925 **Report Date:** 10/05/06

SAMPLE RESULTS

Lab ID:	L0613895-01	Date Collected:	09/27/06 08:40
Client ID:	DEP-19M-20060927-01	Date Received:	09/28/06
Sample Location:	WAYLAND	Field Prep:	Not Specified
Matrix:	Water		
Anaytical Method:	60,8260B		
Analytical Date:	10/04/06 11:51		
Analyst:	MM		

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	1.9		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	14		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 **Lab Number:** L0613895

Project Number: 42925 **Report Date:** 10/05/06

SAMPLE RESULTS

Lab ID: L0613895-01 Date Collected: 09/27/06 08:40

Client ID: DEP-19M-20060927-01 Date Received: 09/28/06

Sample Location: WAYLAND Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	107		70-130

Project Name: RAYTHEON **Lab Number:** L0613895

Project Number: 42925 **Report Date:** 10/05/06

SAMPLE RESULTS

Lab ID:	L0613895-02	Date Collected:	09/27/06 09:30
Client ID:	MW-261S-20060927-01	Date Received:	09/28/06
Sample Location:	WAYLAND	Field Prep:	Not Specified
Matrix:	Water		
Anaytical Method:	60,8260B		
Analytical Date:	10/03/06 23:36		
Analyst:	MM		

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	68		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	3600		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	120		ug/l	50	100
Dichlorodifluoromethane	ND		ug/l	500	100
1,2-Dibromoethane	ND		ug/l	200	100
1,3-Dichloropropane	ND		ug/l	250	100
1,1,1,2-Tetrachloroethane	ND		ug/l	50	100

Project Name: RAYTHEON **Lab Number:** L0613895

Project Number: 42925 **Report Date:** 10/05/06

SAMPLE RESULTS

Lab ID: L0613895-02 Date Collected: 09/27/06 09:30

Client ID: MW-261S-20060927-01 Date Received: 09/28/06

Sample Location: WAYLAND Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Volatile Organics by MCP 8260B					
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	112		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	108		70-130

Project Name: RAYTHEON **Lab Number:** L0613895

Project Number: 42925 **Report Date:** 10/05/06

SAMPLE RESULTS

Lab ID:	L0613895-03	Date Collected:	09/27/06 09:55
Client ID:	MW-262S-20060927-01	Date Received:	09/28/06
Sample Location:	WAYLAND	Field Prep:	Not Specified
Matrix:	Water		
Anaytical Method:	60,8260B		
Analytical Date:	10/04/06 00:09		
Analyst:	MM		

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	8.1		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	58		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 **Lab Number:** L0613895

Project Number: 42925 **Report Date:** 10/05/06

SAMPLE RESULTS

Lab ID: L0613895-03 Date Collected: 09/27/06 09:55

Client ID: MW-262S-20060927-01 Date Received: 09/28/06

Sample Location: WAYLAND Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	107		70-130

Project Name: RAYTHEON **Lab Number:** L0613895

Project Number: 42925 **Report Date:** 10/05/06

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 10/03/06 15:46
Analyst: MM

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 02-03 Batch: WG255675-6				
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 **Lab Number:** L0613895

Project Number: 42925 **Report Date:** 10/05/06

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 10/03/06 15:46
Analyst: MM

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 02-03 Batch: WG255675-6				
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 **Lab Number:** L0613895

Project Number: 42925 **Report Date:** 10/05/06

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 10/03/06 15:46
Analyst: MM

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 02-03 Batch: WG255675-6				
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
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	105		70-130

Project Name: RAYTHEON **Lab Number:** L0613895

Project Number: 42925 **Report Date:** 10/05/06

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 10/04/06 10:09
Analyst: MM

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01 Batch: WG255841-3				
Methylene chloride	ND		ug/l	5.0
1,1-Dichloroethane	ND		ug/l	0.75
Chloroform	ND		ug/l	0.75
Carbon tetrachloride	ND		ug/l	0.50
1,2-Dichloropropane	ND		ug/l	1.8
Dibromochloromethane	ND		ug/l	0.50
1,1,2-Trichloroethane	ND		ug/l	0.75
Tetrachloroethene	ND		ug/l	0.50
Chlorobenzene	ND		ug/l	0.50
1,2-Dichloroethane	ND		ug/l	0.50
1,1,1-Trichloroethane	ND		ug/l	0.50
Bromodichloromethane	ND		ug/l	0.50
trans-1,3-Dichloropropene	ND		ug/l	0.50
cis-1,3-Dichloropropene	ND		ug/l	0.50
Bromoform	ND		ug/l	2.0
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50
Chloromethane	ND		ug/l	2.5
Vinyl chloride	ND		ug/l	1.0
Chloroethane	ND		ug/l	1.0
1,1-Dichloroethene	ND		ug/l	0.50
trans-1,2-Dichloroethene	ND		ug/l	0.75
Trichloroethene	ND		ug/l	0.50
1,2-Dichlorobenzene	ND		ug/l	2.5
1,3-Dichlorobenzene	ND		ug/l	2.5
1,4-Dichlorobenzene	ND		ug/l	2.5
cis-1,2-Dichloroethene	ND		ug/l	0.50
Dichlorodifluoromethane	ND		ug/l	5.0
1,2-Dibromoethane	ND		ug/l	2.0
1,3-Dichloropropane	ND		ug/l	2.5
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50
o-Chlorotoluene	ND		ug/l	2.5

Project Name: RAYTHEON **Lab Number:** L0613895

Project Number: 42925 **Report Date:** 10/05/06

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 10/04/06 10:09
Analyst: MM

Parameter	Result	Qualifier	Units	RDL
Volatile Organics by MCP 8260B for sample(s): 01 Batch: WG255841-3				
p-Chlorotoluene	ND		ug/l	2.5
Hexachlorobutadiene	ND		ug/l	0.60
1,2,4-Trichlorobenzene	ND		ug/l	2.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	105		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RAYTHEON
Project Number: 42925
Lab Number: L0613895
Report Date: 10/05/06

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 02-03 Batch: WG255675-4 WG255675-5					
Methylene chloride	101	98	70-130	3	25
1,1-Dichloroethane	93	92	70-130	1	25
Chloroform	93	92	70-130	1	25
Carbon tetrachloride	78	79	70-130	1	25
1,2-Dichloropropane	94	95	70-130	1	25
Dibromochloromethane	71	71	70-130	0	25
1,1,2-Trichloroethane	94	93	70-130	1	25
Tetrachloroethene	100	95	70-130	5	25
Chlorobenzene	96	93	70-130	3	25
Trichlorofluoromethane	115	112	70-130	3	25
1,2-Dichloroethane	97	97	70-130	0	25
1,1,1-Trichloroethane	82	82	70-130	0	25
Bromodichloromethane	76	81	70-130	6	25
trans-1,3-Dichloropropene	77	76	70-130	1	25
cis-1,3-Dichloropropene	81	84	70-130	4	25
1,1-Dichloropropene	97	95	70-130	2	25
Bromoform	71	72	70-130	1	50
1,1,2,2-Tetrachloroethane	92	94	70-130	2	25
Benzene	98	96	70-130	2	25
Toluene	100	93	70-130	7	25
Ethylbenzene	102	96	70-130	6	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON

Project Number: 42925

Lab Number: L0613895

Report Date: 10/05/06

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 02-03 Batch: WG255675-4 WG255675-5					
Chloromethane	97	96	70-130	1	50
Bromomethane	80	86	70-130	7	50
Vinyl chloride	100	99	70-130	1	25
Chloroethane	102	99	70-130	3	25
1,1-Dichloroethene	93	90	70-130	3	25
trans-1,2-Dichloroethene	96	92	70-130	4	25
Trichloroethene	88	88	70-130	0	25
1,2-Dichlorobenzene	90	91	70-130	1	25
1,3-Dichlorobenzene	94	93	70-130	1	25
1,4-Dichlorobenzene	94	94	70-130	0	25
Methyl tert butyl ether	85	88	70-130	3	25
p/m-Xylene	107	103	70-130	4	25
o-Xylene	102	97	70-130	5	25
cis-1,2-Dichloroethene	97	99	70-130	2	25
Dibromomethane	95	98	70-130	3	25
1,2,3-Trichloropropane	98	100	70-130	2	25
Styrene	93	89	70-130	4	25
Dichlorodifluoromethane	121	118	70-130	3	50
Acetone	98	110	70-130	12	50
Carbon disulfide	72	70	70-130	3	25
2-Butanone	97	100	70-130	3	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON

Project Number: 42925

Lab Number: L0613895

Report Date: 10/05/06

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 02-03 Batch: WG255675-4 WG255675-5					
4-Methyl-2-pentanone	102	98	70-130	4	50
2-Hexanone	100	94	70-130	6	50
Bromochloromethane	98	95	70-130	3	25
Tetrahydrofuran	78	79	70-130	1	25
2,2-Dichloropropane	87	86	70-130	1	50
1,2-Dibromoethane	92	88	70-130	4	25
1,3-Dichloropropane	98	96	70-130	2	25
1,1,1,2-Tetrachloroethane	77	78	70-130	1	25
Bromobenzene	92	92	70-130	0	25
n-Butylbenzene	98	94	70-130	4	25
sec-Butylbenzene	101	97	70-130	4	25
tert-Butylbenzene	97	94	70-130	3	25
o-Chlorotoluene	102	99	70-130	3	25
p-Chlorotoluene	99	97	70-130	2	25
1,2-Dibromo-3-chloropropane	**62**	**64**	70-130	3	50
Hexachlorobutadiene	90	87	70-130	3	25
Isopropylbenzene	108	103	70-130	5	25
p-Isopropyltoluene	96	92	70-130	4	25
Naphthalene	88	91	70-130	3	25
n-Propylbenzene	98	97	70-130	1	25
1,2,3-Trichlorobenzene	89	92	70-130	3	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON

Project Number: 42925

Lab Number: L0613895

Report Date: 10/05/06

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 02-03 Batch: WG255675-4 WG255675-5					
1,2,4-Trichlorobenzene	83	82	70-130	1	25
1,3,5-Trimethylbenzene	98	95	70-130	3	25
1,2,4-Trimethylbenzene	101	100	70-130	1	25
Ethyl ether	97	97	70-130	0	25
Isopropyl Ether	93	95	70-130	2	25
Ethyl-Tert-Butyl-Ether	90	92	70-130	2	25
Tertiary-Amyl Methyl Ether	87	88	70-130	1	25
1,4-Dioxane	**69**	73	70-130	6	50

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		105		70-130
Toluene-d8	102		98		70-130
4-Bromofluorobenzene	101		102		70-130
Dibromofluoromethane	95		97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RAYTHEON

Project Number: 42925

Lab Number: L0613895

Report Date: 10/05/06

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01 Batch: WG255841-1 WG255841-2					
Methylene chloride	105	98	70-130	7	25
1,1-Dichloroethane	100	95	70-130	5	25
Chloroform	101	97	70-130	4	25
Carbon tetrachloride	86	82	70-130	5	25
1,2-Dichloropropane	101	95	70-130	6	25
Dibromochloromethane	77	75	70-130	3	25
1,1,2-Trichloroethane	97	95	70-130	2	25
Tetrachloroethene	108	96	70-130	12	25
Chlorobenzene	102	94	70-130	8	25
1,2-Dichloroethane	101	98	70-130	3	25
1,1,1-Trichloroethane	90	86	70-130	5	25
Bromodichloromethane	85	82	70-130	4	25
trans-1,3-Dichloropropene	83	83	70-130	0	25
cis-1,3-Dichloropropene	86	85	70-130	1	25
Bromoform	71	71	70-130	0	50
1,1,2,2-Tetrachloroethane	93	91	70-130	2	25
Chloromethane	96	86	70-130	11	50
Vinyl chloride	101	95	70-130	6	25
Chloroethane	109	100	70-130	9	25
1,1-Dichloroethene	96	90	70-130	6	25
trans-1,2-Dichloroethene	101	94	70-130	7	25

Lab Control Sample Analysis
Batch Quality Control

Project Name: RAYTHEON
Project Number: 42925
Lab Number: L0613895
Report Date: 10/05/06

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics by MCP 8260B Associated sample(s): 01 Batch: WG255841-1 WG255841-2					
Trichloroethene	97	91	70-130	6	25
1,2-Dichlorobenzene	96	91	70-130	5	25
1,3-Dichlorobenzene	98	92	70-130	6	25
1,4-Dichlorobenzene	98	92	70-130	6	25
cis-1,2-Dichloroethene	106	99	70-130	7	25
Dichlorodifluoromethane	122	109	70-130	11	50
1,2-Dibromoethane	96	94	70-130	2	25
1,3-Dichloropropane	102	97	70-130	5	25
1,1,1,2-Tetrachloroethane	83	82	70-130	1	25
o-Chlorotoluene	101	105	70-130	4	25
p-Chlorotoluene	102	96	70-130	6	25
Hexachlorobutadiene	94	84	70-130	11	25
1,2,4-Trichlorobenzene	84	82	70-130	2	25

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		99		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	99		101		70-130
Dibromofluoromethane	96		99		70-130

Project Name: RAYTHEON
Project Number: 42925

Lab Number: L0613895
Report Date: 10/05/06

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
L0613895-01A	Vial HCl preserved	A	NA	0.8C	Y	Absent	MCP-8260-04
L0613895-01B	Vial HCl preserved	A	NA	0.8C	Y	Absent	MCP-8260-04
L0613895-02A	Vial HCl preserved	A	NA	0.8C	Y	Absent	MCP-8260-04
L0613895-02B	Vial HCl preserved	A	NA	0.8C	Y	Absent	MCP-8260-04
L0613895-03A	Vial HCl preserved	A	NA	0.8C	Y	Absent	MCP-8260-04
L0613895-03B	Vial HCl preserved	A	NA	0.8C	Y	Absent	MCP-8260-04

Project Name: RAYTHEON
Project Number: 42925
Lab Number: L0613895
Report Date: 10/05/06

GLOSSARY

Acronyms

EPA - Environmental Protection Agency.
LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD - Laboratory Control Sample Duplicate: Refer to LCS.
MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD - Matrix Spike Sample Duplicate: Refer to MS.
NA - Not Applicable.
NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
ND - Not detected at the reported detection limit for the sample.
RDL - Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
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.)

Report Format: Not Specified

Project Name: RAYTHEON
Project Number: 42925
Lab Number: L0613895
Report Date: 10/05/06

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: 9/28/06

ALPHA Job #: L0613895

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

Client Information

Client: ERM - Boston
Address: 3rd Boylston St. 6th Floor
Boston, MA 02116
Phone: (617) 646-7800
Fax: (617) 646-7801 267-6447
Email: jeremy.picard@erm.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Raytheon
Project Location: Wayland
Project #: 42925
Project Manager: Jeremy Picard
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: 10/5/06 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Acd'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: MCP
Criteria: Method 1 GW 1

MAMCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTOCOLS

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

Other Project Specific Requirements/Comments/Detection Limits:

~~PRESERVATIVE "O"~~

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS 8021c by 8260	SAMPLE HANDLING	TOTAL # BOTTLES
3895-01	DEP-19M-20060927-01	9/27/06	8:40	GW	TD	2		2
-02	MW-261S-20060927-01	9/27/06	9:30	GW	EJM	2		2
-03	MW-262S-20060927-01	9/27/06	9:55	GW	TD	2		2

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

Sample Specific Comments

Container Type V
Preservative B

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By	Date/Time
Paul Gillett	9/28/06 11:55	Paul Gillett	9/28/06 11:35
	9-28-06 1210	T. Flaherty	9/28/06 1210

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

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