Environmental Resources Management

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http://www.erm.com

15 April 2013

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

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

Dear Mr. DeLuca:

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

Innovative Engineering Solutions, Inc. collected groundwater samples from wells on portions of the Site within the boundaries of your property on 10 January 2013, and 28 March through 1 April 2013. ERM collected groundwater samples from portions of the Site within the boundaries of your property on 19 March through 22 March 2013. Samples were submitted to TestAmerica Laboratories, Inc. of Westfield, Massachusetts and/or to Bioremediation & Treatability Center in Walpole, Massachusetts. Analytical results are attached to this letter. These analytical data will be provided to the Massachusetts Department of Environmental Protection in the next MCP submittal.

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

If you have any questions or comments, please contact the undersigned at (617) 646-7800 or Jonathan Hone, Raytheon Company, at (978) 436-8298.

Sincerely,

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

Jason D. Flattery, P.E.
Project Manager

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

cc: Jonathan Hone, 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 | 13302

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

1. Street Address: 430 Boston Post Road

City/Town: Wayland Zip Code: 01778

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

1. Name: The Koffler Group

2. Street Address: 10 Memorial Boulevard, Suite 901

City/Town: Providence, RI Zip Code: 02903

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

☑ 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.

☑ 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.

☑ 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

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

1. Street Address: 430 Boston Post Road

City/Town: Wayland Zip Code: 01778

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

- ☐ 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, T-3033

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.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-34637-1
Client Project/Site: IDS Wayland

For:
ERM-Northeast
One Beacon Steet
5th Floor
Boston, Massachusetts 02108

Attn: Jason Flattery

Authorized for release by:
3/29/2013 6:48:48 PM

Becky Mason
Project Manager II
becky.mason@testamericainc.com

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-34637-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-34637-1

Comments
No additional comments.

Receipt
The samples were received on 3/20/2013 1:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.4° C.

Except:

Analysis for the following sample was put on hold by the client on 03/19/2013: MW1018-20130319-01 (480-34637-5). Client activated this sample on 3/21/2013.

GC/MS VOA
Method, 8260C: The laboratory control sample (LCS) and / or the laboratory control sample duplicate (LCSD) for batch 108444 exceeded control limits for the following analyte: 2-Butanone (MEK). MCP/RCP protocol allows for 10% of the target compounds to be outside of the limits provided the recoveries are over 10%.

Method 8260C: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: MW1018-20130319-01 (480-34637-5). Elevated reporting limits (RLs) are provided.

Method 8260C: The laboratory control sample (LCS) and / or the laboratory control sample duplicate (LCSD) for batch 108596 exceeded control limits for the following analytes: 2-Butanone. This is due to the coelution with Ethyl Acetate in the mega mix spike solution.

With the exception of diluted samples, per question G on the MassDEP Analytical Protocol Certification Form, TestAmerica's routine reporting limits do not achieve the CAM reporting limits specified in this CAM protocol for 1,2-dibromo-3-chloropropane, Carbon Disulfide, Isopropyl Ether, Naphthalene, tert-Butyl Ethyl Ether, tert-Amyl Methyl Ether, & Tetrahydrofuran.

No other analytical or quality issues were noted.

GC/MS Semi VOA
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

MassDEP Analytical Protocol Certification Form

Laboratory Name: **TestAmerica Buffalo** Project #: **480-34637-1**

Project Location: **IDS Wayland** RTN:

This form provides certifications for the following data set: list Laboratory Sample ID Number(s):

480-34637-1[1-9]

Matrices: [X] Groundwater/Surface Water [ ] Soil/Sediment [ ] Drinking Water [ ] Air [ ] Other:

CAM Protocols (check all that apply below):

8260 VOC CAM II A [X]	7470/7471 Hg CAM III B [ ]	Mass DEP VPH CAM IV A [ ]	8081 Pesticides CAM V B [ ]	7196 Hex Cr CAM VI B [ ]	Mass DEP APH CAM IX A [ ]
8270 SVOC CAM II B [ ]	6010 Metals CAM III C [ ]	Mass DEP EPH CAM IV B [ ]	8151 Herbicides CAM V C [ ]	8330 Explosives CAM VIII A [ ]	TO-15 VOC CAM IX B [ ]
6010 Metals CAM III A [ ]	6020 Metals CAM III D [ ]	8082 PCB CAM V A [ ]	9014 Total Cyanide/PAC CAM VI A [ ]	6860 Perchlorate CAM VIII B [ ]	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding time.	[X] Yes [ ] No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	[X] Yes [ ] No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	[X] Yes [ ] No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	[X] Yes [ ] No
E	a. VPH, EPH and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	[ ] Yes [ ] No [ ] Yes [ ] No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	[ ] Yes [ ] No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	[ ] Yes [X] No[1]

***Data User Note:* Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WCS-07-350**

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	[ ] Yes [X] No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s) ?	[X] Yes [ ] No[1]

[1] All negative responses must be addressed in an attached laboratory narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, is accurate and complete.

Signature: Becky Mason Position: Project Manager

Printed Name: Becky Mason Date: 3/29/13 18:44

This form has been electronically signed and approved

Detection Summary

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34637-1

Client Sample ID: MW1020-20130319-01 — Lab Sample ID: 480-34637-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	2.1		1.0		ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	11		1.0		ug/L	1		8260C	Total/NA
Trichloroethene	16		1.0		ug/L	1		8260C	Total/NA
1,4-Dioxane	0.60		0.20		ug/L	1		522 MOD	Total/NA

Client Sample ID: MW1017D-20130319-01 — Lab Sample ID: 480-34637-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	8.1		1.0		ug/L	1		8260C	Total/NA
Trichloroethene	41		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: MW1008-20130319-01 — Lab Sample ID: 480-34637-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	4.0		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: MW1012-20130319-01 — Lab Sample ID: 480-34637-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	9.7		1.0		ug/L	1		8260C	Total/NA
Trichloroethene	19		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: MW1018-20130319-01 — Lab Sample ID: 480-34637-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	94		1.0		ug/L	1		8260C	Total/NA
1,1-Dichloroethene	7.3		1.0		ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.5		1.0		ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	7.6		1.0		ug/L	1		8260C	Total/NA
Trichloroethene - DL	300		5.0		ug/L	5		8260C	Total/NA

Client Sample ID: MW1019B-20130319-01 — Lab Sample ID: 480-34637-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	5.9		1.0		ug/L	1		8260C	Total/NA
Trichloroethene	26		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: DUP-001-20130319-01 — Lab Sample ID: 480-34637-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.3		1.0		ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.6		1.0		ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	85		1.0		ug/L	1		8260C	Total/NA
Tert-amyl methyl ether	18		5.0		ug/L	1		8260C	Total/NA
Trichloroethene	11		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: MW1032-20130319-01 — Lab Sample ID: 480-34637-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.3		1.0		ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW1032-20130319-01 (Continued) — Lab Sample ID: 480-34637-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	1.7		1.0		ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	86		1.0		ug/L	1		8260C	Total/NA
Tert-amyl methyl ether	18		5.0		ug/L	1		8260C	Total/NA
Trichloroethene	12		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: MW-1005-20130319-01 — Lab Sample ID: 480-34637-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3.2		1.0		ug/L	1		8260C	Total/NA
Tetrachloroethene	1.2		1.0		ug/L	1		8260C	Total/NA
Trichloroethene	17		1.0		ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW1020-20130319-01
Date Collected: 03/19/13 12:00
Date Received: 03/20/13 01:00

Lab Sample ID: 480-34637-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			03/21/13 13:07	1
1,1,1-Trichloroethane	**2.1**		1.0		ug/L			03/21/13 13:07	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			03/21/13 13:07	1
1,1,2-Trichloroethane	ND		1.0		ug/L			03/21/13 13:07	1
1,1-Dichloroethane	ND		1.0		ug/L			03/21/13 13:07	1
1,1-Dichloroethene	ND		1.0		ug/L			03/21/13 13:07	1
1,1-Dichloropropene	ND		1.0		ug/L			03/21/13 13:07	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			03/21/13 13:07	1
1,2,3-Trichloropropane	ND		1.0		ug/L			03/21/13 13:07	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/21/13 13:07	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			03/21/13 13:07	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			03/21/13 13:07	1
1,2-Dichlorobenzene	ND		1.0		ug/L			03/21/13 13:07	1
1,2-Dichloroethane	ND		1.0		ug/L			03/21/13 13:07	1
1,2-Dichloropropane	ND		1.0		ug/L			03/21/13 13:07	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			03/21/13 13:07	1
1,3-Dichlorobenzene	ND		1.0		ug/L			03/21/13 13:07	1
1,3-Dichloropropane	ND		1.0		ug/L			03/21/13 13:07	1
1,4-Dichlorobenzene	ND		1.0		ug/L			03/21/13 13:07	1
1,4-Dioxane	ND		50		ug/L			03/21/13 13:07	1
2,2-Dichloropropane	ND		1.0		ug/L			03/21/13 13:07	1
2-Butanone (MEK)	ND	*	10		ug/L			03/21/13 13:07	1
2-Chlorotoluene	ND		1.0		ug/L			03/21/13 13:07	1
2-Hexanone	ND		10		ug/L			03/21/13 13:07	1
4-Chlorotoluene	ND		1.0		ug/L			03/21/13 13:07	1
4-Isopropyltoluene	ND		1.0		ug/L			03/21/13 13:07	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			03/21/13 13:07	1
Acetone	ND		50		ug/L			03/21/13 13:07	1
Benzene	ND		1.0		ug/L			03/21/13 13:07	1
Bromobenzene	ND		1.0		ug/L			03/21/13 13:07	1
Bromoform	ND		1.0		ug/L			03/21/13 13:07	1
Bromomethane	ND		2.0		ug/L			03/21/13 13:07	1
Carbon disulfide	ND		10		ug/L			03/21/13 13:07	1
Carbon tetrachloride	ND		1.0		ug/L			03/21/13 13:07	1
Chlorobenzene	ND		1.0		ug/L			03/21/13 13:07	1
Chlorobromomethane	ND		1.0		ug/L			03/21/13 13:07	1
Chlorodibromomethane	ND		0.50		ug/L			03/21/13 13:07	1
Chloroethane	ND		2.0		ug/L			03/21/13 13:07	1
Chloroform	ND		1.0		ug/L			03/21/13 13:07	1
Chloromethane	ND		2.0		ug/L			03/21/13 13:07	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			03/21/13 13:07	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			03/21/13 13:07	1
Dichlorobromomethane	ND		0.50		ug/L			03/21/13 13:07	1
Dichlorodifluoromethane	ND		1.0		ug/L			03/21/13 13:07	1
Ethyl ether	ND		1.0		ug/L			03/21/13 13:07	1
Ethylbenzene	ND		1.0		ug/L			03/21/13 13:07	1
Ethylene Dibromide	ND		1.0		ug/L			03/21/13 13:07	1
Hexachlorobutadiene	ND		0.40		ug/L			03/21/13 13:07	1
Isopropyl ether	ND		10		ug/L			03/21/13 13:07	1

Client Sample ID: MW1020-20130319-01

Lab Sample ID: 480-34637-1

Date Collected: 03/19/13 12:00

Matrix: Water

Date Received: 03/20/13 01:00

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0		ug/L			03/21/13 13:07	1
Methyl tert-butyl ether	**11**		1.0		ug/L			03/21/13 13:07	1
Methylene Chloride	ND		1.0		ug/L			03/21/13 13:07	1
m-Xylene & p-Xylene	ND		2.0		ug/L			03/21/13 13:07	1
Naphthalene	ND		5.0		ug/L			03/21/13 13:07	1
n-Butylbenzene	ND		1.0		ug/L			03/21/13 13:07	1
N-Propylbenzene	ND		1.0		ug/L			03/21/13 13:07	1
o-Xylene	ND		1.0		ug/L			03/21/13 13:07	1
sec-Butylbenzene	ND		1.0		ug/L			03/21/13 13:07	1
Styrene	ND		1.0		ug/L			03/21/13 13:07	1
Tert-amyl methyl ether	ND		5.0		ug/L			03/21/13 13:07	1
Tert-butyl ethyl ether	ND		5.0		ug/L			03/21/13 13:07	1
tert-Butylbenzene	ND		1.0		ug/L			03/21/13 13:07	1
Tetrachloroethene	ND		1.0		ug/L			03/21/13 13:07	1
Tetrahydrofuran	ND		10		ug/L			03/21/13 13:07	1
Toluene	ND		1.0		ug/L			03/21/13 13:07	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			03/21/13 13:07	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			03/21/13 13:07	1
Trichloroethene	**16**		1.0		ug/L			03/21/13 13:07	1
Trichlorofluoromethane	ND		1.0		ug/L			03/21/13 13:07	1
Vinyl chloride	ND		0.50		ug/L			03/21/13 13:07	1
Dibromomethane	ND		1.0		ug/L			03/21/13 13:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*03/21/13 13:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*03/21/13 13:07*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*03/21/13 13:07*	*1*

Method: 522 MOD - 1,4 Dioxane (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**0.60**		0.20		ug/L		03/27/13 14:05	03/27/13 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8 (Surr)	*78*		*70 - 130*	*03/27/13 14:05*	*03/27/13 18:27*	*1*

Client Sample ID: MW1017D-20130319-01

Lab Sample ID: 480-34637-2

Date Collected: 03/19/13 14:10

Matrix: Water

Date Received: 03/20/13 01:00

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			03/22/13 01:25	1
1,1,1-Trichloroethane	ND		1.0		ug/L			03/22/13 01:25	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			03/22/13 01:25	1
1,1,2-Trichloroethane	ND		1.0		ug/L			03/22/13 01:25	1
1,1-Dichloroethane	ND		1.0		ug/L			03/22/13 01:25	1
1,1-Dichloroethene	ND		1.0		ug/L			03/22/13 01:25	1
1,1-Dichloropropene	ND		1.0		ug/L			03/22/13 01:25	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			03/22/13 01:25	1
1,2,3-Trichloropropane	ND		1.0		ug/L			03/22/13 01:25	1

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34637-1

Client Sample ID: MW1017D-20130319-01
Date Collected: 03/19/13 14:10
Date Received: 03/20/13 01:00

Lab Sample ID: 480-34637-2
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/22/13 01:25	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			03/22/13 01:25	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			03/22/13 01:25	1
1,2-Dichlorobenzene	ND		1.0		ug/L			03/22/13 01:25	1
1,2-Dichloroethane	ND		1.0		ug/L			03/22/13 01:25	1
1,2-Dichloropropane	ND		1.0		ug/L			03/22/13 01:25	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			03/22/13 01:25	1
1,3-Dichlorobenzene	ND		1.0		ug/L			03/22/13 01:25	1
1,3-Dichloropropane	ND		1.0		ug/L			03/22/13 01:25	1
1,4-Dichlorobenzene	ND		1.0		ug/L			03/22/13 01:25	1
1,4-Dioxane	ND		50		ug/L			03/22/13 01:25	1
2,2-Dichloropropane	ND		1.0		ug/L			03/22/13 01:25	1
2-Butanone (MEK)	ND	*	10		ug/L			03/22/13 01:25	1
2-Chlorotoluene	ND		1.0		ug/L			03/22/13 01:25	1
2-Hexanone	ND		10		ug/L			03/22/13 01:25	1
4-Chlorotoluene	ND		1.0		ug/L			03/22/13 01:25	1
4-Isopropyltoluene	ND		1.0		ug/L			03/22/13 01:25	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			03/22/13 01:25	1
Acetone	ND		50		ug/L			03/22/13 01:25	1
Benzene	ND		1.0		ug/L			03/22/13 01:25	1
Bromobenzene	ND		1.0		ug/L			03/22/13 01:25	1
Bromoform	ND		1.0		ug/L			03/22/13 01:25	1
Bromomethane	ND		2.0		ug/L			03/22/13 01:25	1
Carbon disulfide	ND		10		ug/L			03/22/13 01:25	1
Carbon tetrachloride	ND		1.0		ug/L			03/22/13 01:25	1
Chlorobenzene	ND		1.0		ug/L			03/22/13 01:25	1
Chlorobromomethane	ND		1.0		ug/L			03/22/13 01:25	1
Chlorodibromomethane	ND		0.50		ug/L			03/22/13 01:25	1
Chloroethane	ND		2.0		ug/L			03/22/13 01:25	1
Chloroform	ND		1.0		ug/L			03/22/13 01:25	1
Chloromethane	ND		2.0		ug/L			03/22/13 01:25	1
cis-1,2-Dichloroethene	**8.1**		1.0		ug/L			03/22/13 01:25	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			03/22/13 01:25	1
Dichlorobromomethane	ND		0.50		ug/L			03/22/13 01:25	1
Dichlorodifluoromethane	ND		1.0		ug/L			03/22/13 01:25	1
Ethyl ether	ND		1.0		ug/L			03/22/13 01:25	1
Ethylbenzene	ND		1.0		ug/L			03/22/13 01:25	1
Ethylene Dibromide	ND		1.0		ug/L			03/22/13 01:25	1
Hexachlorobutadiene	ND		0.40		ug/L			03/22/13 01:25	1
Isopropyl ether	ND		10		ug/L			03/22/13 01:25	1
Isopropylbenzene	ND		1.0		ug/L			03/22/13 01:25	1
Methyl tert-butyl ether	ND		1.0		ug/L			03/22/13 01:25	1
Methylene Chloride	ND		1.0		ug/L			03/22/13 01:25	1
m-Xylene & p-Xylene	ND		2.0		ug/L			03/22/13 01:25	1
Naphthalene	ND		5.0		ug/L			03/22/13 01:25	1
n-Butylbenzene	ND		1.0		ug/L			03/22/13 01:25	1
N-Propylbenzene	ND		1.0		ug/L			03/22/13 01:25	1
o-Xylene	ND		1.0		ug/L			03/22/13 01:25	1
sec-Butylbenzene	ND		1.0		ug/L			03/22/13 01:25	1

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34637-1

Client Sample ID: MW1017D-20130319-01

Lab Sample ID: 480-34637-2

Date Collected: 03/19/13 14:10

Matrix: Water

Date Received: 03/20/13 01:00

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0		ug/L			03/22/13 01:25	1
Tert-amyl methyl ether	ND		5.0		ug/L			03/22/13 01:25	1
Tert-butyl ethyl ether	ND		5.0		ug/L			03/22/13 01:25	1
tert-Butylbenzene	ND		1.0		ug/L			03/22/13 01:25	1
Tetrachloroethene	ND		1.0		ug/L			03/22/13 01:25	1
Tetrahydrofuran	ND		10		ug/L			03/22/13 01:25	1
Toluene	ND		1.0		ug/L			03/22/13 01:25	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			03/22/13 01:25	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			03/22/13 01:25	1
Trichloroethene	**41**		1.0		ug/L			03/22/13 01:25	1
Trichlorofluoromethane	ND		1.0		ug/L			03/22/13 01:25	1
Vinyl chloride	ND		0.50		ug/L			03/22/13 01:25	1
Dibromomethane	ND		1.0		ug/L			03/22/13 01:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*03/22/13 01:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*03/22/13 01:25*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*03/22/13 01:25*	*1*

Client Sample ID: MW1008-20130319-01

Lab Sample ID: 480-34637-3

Date Collected: 03/19/13 11:45

Matrix: Water

Date Received: 03/20/13 01:00

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			03/21/13 13:55	1
1,1,1-Trichloroethane	ND		1.0		ug/L			03/21/13 13:55	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			03/21/13 13:55	1
1,1,2-Trichloroethane	ND		1.0		ug/L			03/21/13 13:55	1
1,1-Dichloroethane	ND		1.0		ug/L			03/21/13 13:55	1
1,1-Dichloroethene	ND		1.0		ug/L			03/21/13 13:55	1
1,1-Dichloropropene	ND		1.0		ug/L			03/21/13 13:55	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			03/21/13 13:55	1
1,2,3-Trichloropropane	ND		1.0		ug/L			03/21/13 13:55	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/21/13 13:55	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			03/21/13 13:55	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			03/21/13 13:55	1
1,2-Dichlorobenzene	ND		1.0		ug/L			03/21/13 13:55	1
1,2-Dichloroethane	ND		1.0		ug/L			03/21/13 13:55	1
1,2-Dichloropropane	ND		1.0		ug/L			03/21/13 13:55	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			03/21/13 13:55	1
1,3-Dichlorobenzene	ND		1.0		ug/L			03/21/13 13:55	1
1,3-Dichloropropane	ND		1.0		ug/L			03/21/13 13:55	1
1,4-Dichlorobenzene	ND		1.0		ug/L			03/21/13 13:55	1
1,4-Dioxane	ND		50		ug/L			03/21/13 13:55	1
2,2-Dichloropropane	ND		1.0		ug/L			03/21/13 13:55	1
2-Butanone (MEK)	ND	*	10		ug/L			03/21/13 13:55	1
2-Chlorotoluene	ND		1.0		ug/L			03/21/13 13:55	1
2-Hexanone	ND		10		ug/L			03/21/13 13:55	1
4-Chlorotoluene	ND		1.0		ug/L			03/21/13 13:55	1

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34637-1

Client Sample ID: MW1008-20130319-01
Date Collected: 03/19/13 11:45
Date Received: 03/20/13 01:00

Lab Sample ID: 480-34637-3
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		1.0		ug/L			03/21/13 13:55	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			03/21/13 13:55	1
Acetone	ND		50		ug/L			03/21/13 13:55	1
Benzene	ND		1.0		ug/L			03/21/13 13:55	1
Bromobenzene	ND		1.0		ug/L			03/21/13 13:55	1
Bromoform	ND		1.0		ug/L			03/21/13 13:55	1
Bromomethane	ND		2.0		ug/L			03/21/13 13:55	1
Carbon disulfide	ND		10		ug/L			03/21/13 13:55	1
Carbon tetrachloride	ND		1.0		ug/L			03/21/13 13:55	1
Chlorobenzene	ND		1.0		ug/L			03/21/13 13:55	1
Chlorobromomethane	ND		1.0		ug/L			03/21/13 13:55	1
Chlorodibromomethane	ND		0.50		ug/L			03/21/13 13:55	1
Chloroethane	ND		2.0		ug/L			03/21/13 13:55	1
Chloroform	ND		1.0		ug/L			03/21/13 13:55	1
Chloromethane	ND		2.0		ug/L			03/21/13 13:55	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			03/21/13 13:55	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			03/21/13 13:55	1
Dichlorobromomethane	ND		0.50		ug/L			03/21/13 13:55	1
Dichlorodifluoromethane	ND		1.0		ug/L			03/21/13 13:55	1
Ethyl ether	ND		1.0		ug/L			03/21/13 13:55	1
Ethylbenzene	ND		1.0		ug/L			03/21/13 13:55	1
Ethylene Dibromide	ND		1.0		ug/L			03/21/13 13:55	1
Hexachlorobutadiene	ND		0.40		ug/L			03/21/13 13:55	1
Isopropyl ether	ND		10		ug/L			03/21/13 13:55	1
Isopropylbenzene	ND		1.0		ug/L			03/21/13 13:55	1
Methyl tert-butyl ether	ND		1.0		ug/L			03/21/13 13:55	1
Methylene Chloride	ND		1.0		ug/L			03/21/13 13:55	1
m-Xylene & p-Xylene	ND		2.0		ug/L			03/21/13 13:55	1
Naphthalene	ND		5.0		ug/L			03/21/13 13:55	1
n-Butylbenzene	ND		1.0		ug/L			03/21/13 13:55	1
N-Propylbenzene	ND		1.0		ug/L			03/21/13 13:55	1
o-Xylene	ND		1.0		ug/L			03/21/13 13:55	1
sec-Butylbenzene	ND		1.0		ug/L			03/21/13 13:55	1
Styrene	ND		1.0		ug/L			03/21/13 13:55	1
Tert-amyl methyl ether	ND		5.0		ug/L			03/21/13 13:55	1
Tert-butyl ethyl ether	ND		5.0		ug/L			03/21/13 13:55	1
tert-Butylbenzene	ND		1.0		ug/L			03/21/13 13:55	1
Tetrachloroethene	ND		1.0		ug/L			03/21/13 13:55	1
Tetrahydrofuran	ND		10		ug/L			03/21/13 13:55	1
Toluene	ND		1.0		ug/L			03/21/13 13:55	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			03/21/13 13:55	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			03/21/13 13:55	1
Trichloroethene	**4.0**		1.0		ug/L			03/21/13 13:55	1
Trichlorofluoromethane	ND		1.0		ug/L			03/21/13 13:55	1
Vinyl chloride	ND		0.50		ug/L			03/21/13 13:55	1
Dibromomethane	ND		1.0		ug/L			03/21/13 13:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*03/21/13 13:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*03/21/13 13:55*	*1*

Client Sample ID: MW1008-20130319-01 — **Lab Sample ID: 480-34637-3**
Date Collected: 03/19/13 11:45 — **Matrix: Water**
Date Received: 03/20/13 01:00

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130		03/21/13 13:55	1

Client Sample ID: MW1012-20130319-01 — **Lab Sample ID: 480-34637-4**
Date Collected: 03/19/13 10:30 — **Matrix: Water**
Date Received: 03/20/13 01:00

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			03/21/13 14:18	1
1,1,1-Trichloroethane	ND		1.0		ug/L			03/21/13 14:18	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			03/21/13 14:18	1
1,1,2-Trichloroethane	ND		1.0		ug/L			03/21/13 14:18	1
1,1-Dichloroethane	ND		1.0		ug/L			03/21/13 14:18	1
1,1-Dichloroethene	ND		1.0		ug/L			03/21/13 14:18	1
1,1-Dichloropropene	ND		1.0		ug/L			03/21/13 14:18	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			03/21/13 14:18	1
1,2,3-Trichloropropane	ND		1.0		ug/L			03/21/13 14:18	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/21/13 14:18	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			03/21/13 14:18	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			03/21/13 14:18	1
1,2-Dichlorobenzene	ND		1.0		ug/L			03/21/13 14:18	1
1,2-Dichloroethane	ND		1.0		ug/L			03/21/13 14:18	1
1,2-Dichloropropane	ND		1.0		ug/L			03/21/13 14:18	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			03/21/13 14:18	1
1,3-Dichlorobenzene	ND		1.0		ug/L			03/21/13 14:18	1
1,3-Dichloropropane	ND		1.0		ug/L			03/21/13 14:18	1
1,4-Dichlorobenzene	ND		1.0		ug/L			03/21/13 14:18	1
1,4-Dioxane	ND		50		ug/L			03/21/13 14:18	1
2,2-Dichloropropane	ND		1.0		ug/L			03/21/13 14:18	1
2-Butanone (MEK)	ND	*	10		ug/L			03/21/13 14:18	1
2-Chlorotoluene	ND		1.0		ug/L			03/21/13 14:18	1
2-Hexanone	ND		10		ug/L			03/21/13 14:18	1
4-Chlorotoluene	ND		1.0		ug/L			03/21/13 14:18	1
4-Isopropyltoluene	ND		1.0		ug/L			03/21/13 14:18	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			03/21/13 14:18	1
Acetone	ND		50		ug/L			03/21/13 14:18	1
Benzene	ND		1.0		ug/L			03/21/13 14:18	1
Bromobenzene	ND		1.0		ug/L			03/21/13 14:18	1
Bromoform	ND		1.0		ug/L			03/21/13 14:18	1
Bromomethane	ND		2.0		ug/L			03/21/13 14:18	1
Carbon disulfide	ND		10		ug/L			03/21/13 14:18	1
Carbon tetrachloride	ND		1.0		ug/L			03/21/13 14:18	1
Chlorobenzene	ND		1.0		ug/L			03/21/13 14:18	1
Chlorobromomethane	ND		1.0		ug/L			03/21/13 14:18	1
Chlorodibromomethane	ND		0.50		ug/L			03/21/13 14:18	1
Chloroethane	ND		2.0		ug/L			03/21/13 14:18	1
Chloroform	ND		1.0		ug/L			03/21/13 14:18	1
Chloromethane	ND		2.0		ug/L			03/21/13 14:18	1
cis-1,2-Dichloroethene	**9.7**		1.0		ug/L			03/21/13 14:18	1

Client Sample ID: MW1012-20130319-01 — **Lab Sample ID: 480-34637-4**
Date Collected: 03/19/13 10:30 — **Matrix: Water**
Date Received: 03/20/13 01:00

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		0.40		ug/L			03/21/13 14:18	1
Dichlorobromomethane	ND		0.50		ug/L			03/21/13 14:18	1
Dichlorodifluoromethane	ND		1.0		ug/L			03/21/13 14:18	1
Ethyl ether	ND		1.0		ug/L			03/21/13 14:18	1
Ethylbenzene	ND		1.0		ug/L			03/21/13 14:18	1
Ethylene Dibromide	ND		1.0		ug/L			03/21/13 14:18	1
Hexachlorobutadiene	ND		0.40		ug/L			03/21/13 14:18	1
Isopropyl ether	ND		10		ug/L			03/21/13 14:18	1
Isopropylbenzene	ND		1.0		ug/L			03/21/13 14:18	1
Methyl tert-butyl ether	ND		1.0		ug/L			03/21/13 14:18	1
Methylene Chloride	ND		1.0		ug/L			03/21/13 14:18	1
m-Xylene & p-Xylene	ND		2.0		ug/L			03/21/13 14:18	1
Naphthalene	ND		5.0		ug/L			03/21/13 14:18	1
n-Butylbenzene	ND		1.0		ug/L			03/21/13 14:18	1
N-Propylbenzene	ND		1.0		ug/L			03/21/13 14:18	1
o-Xylene	ND		1.0		ug/L			03/21/13 14:18	1
sec-Butylbenzene	ND		1.0		ug/L			03/21/13 14:18	1
Styrene	ND		1.0		ug/L			03/21/13 14:18	1
Tert-amyl methyl ether	ND		5.0		ug/L			03/21/13 14:18	1
Tert-butyl ethyl ether	ND		5.0		ug/L			03/21/13 14:18	1
tert-Butylbenzene	ND		1.0		ug/L			03/21/13 14:18	1
Tetrachloroethene	ND		1.0		ug/L			03/21/13 14:18	1
Tetrahydrofuran	ND		10		ug/L			03/21/13 14:18	1
Toluene	ND		1.0		ug/L			03/21/13 14:18	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			03/21/13 14:18	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			03/21/13 14:18	1
Trichloroethene	**19**		1.0		ug/L			03/21/13 14:18	1
Trichlorofluoromethane	ND		1.0		ug/L			03/21/13 14:18	1
Vinyl chloride	ND		0.50		ug/L			03/21/13 14:18	1
Dibromomethane	ND		1.0		ug/L			03/21/13 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*03/21/13 14:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*03/21/13 14:18*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*03/21/13 14:18*	*1*

Client Sample ID: MW1018-20130319-01 — **Lab Sample ID: 480-34637-5**
Date Collected: 03/19/13 13:40 — **Matrix: Water**
Date Received: 03/20/13 01:00

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			03/21/13 14:42	1
1,1,1-Trichloroethane	**94**		1.0		ug/L			03/21/13 14:42	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			03/21/13 14:42	1
1,1,2-Trichloroethane	ND		1.0		ug/L			03/21/13 14:42	1
1,1-Dichloroethane	ND		1.0		ug/L			03/21/13 14:42	1
1,1-Dichloroethene	**7.3**		1.0		ug/L			03/21/13 14:42	1
1,1-Dichloropropene	ND		1.0		ug/L			03/21/13 14:42	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			03/21/13 14:42	1

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34637-1

Client Sample ID: MW1018-20130319-01
Date Collected: 03/19/13 13:40
Date Received: 03/20/13 01:00

Lab Sample ID: 480-34637-5
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	ND		1.0		ug/L			03/21/13 14:42	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/21/13 14:42	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			03/21/13 14:42	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			03/21/13 14:42	1
1,2-Dichlorobenzene	ND		1.0		ug/L			03/21/13 14:42	1
1,2-Dichloroethane	ND		1.0		ug/L			03/21/13 14:42	1
1,2-Dichloropropane	ND		1.0		ug/L			03/21/13 14:42	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			03/21/13 14:42	1
1,3-Dichlorobenzene	ND		1.0		ug/L			03/21/13 14:42	1
1,3-Dichloropropane	ND		1.0		ug/L			03/21/13 14:42	1
1,4-Dichlorobenzene	ND		1.0		ug/L			03/21/13 14:42	1
1,4-Dioxane	ND		50		ug/L			03/21/13 14:42	1
2,2-Dichloropropane	ND		1.0		ug/L			03/21/13 14:42	1
2-Butanone (MEK)	ND	*	10		ug/L			03/21/13 14:42	1
2-Chlorotoluene	ND		1.0		ug/L			03/21/13 14:42	1
2-Hexanone	ND		10		ug/L			03/21/13 14:42	1
4-Chlorotoluene	ND		1.0		ug/L			03/21/13 14:42	1
4-Isopropyltoluene	ND		1.0		ug/L			03/21/13 14:42	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			03/21/13 14:42	1
Acetone	ND		50		ug/L			03/21/13 14:42	1
Benzene	ND		1.0		ug/L			03/21/13 14:42	1
Bromobenzene	ND		1.0		ug/L			03/21/13 14:42	1
Bromoform	ND		1.0		ug/L			03/21/13 14:42	1
Bromomethane	ND		2.0		ug/L			03/21/13 14:42	1
Carbon disulfide	ND		10		ug/L			03/21/13 14:42	1
Carbon tetrachloride	ND		1.0		ug/L			03/21/13 14:42	1
Chlorobenzene	ND		1.0		ug/L			03/21/13 14:42	1
Chlorobromomethane	ND		1.0		ug/L			03/21/13 14:42	1
Chlorodibromomethane	ND		0.50		ug/L			03/21/13 14:42	1
Chloroethane	ND		2.0		ug/L			03/21/13 14:42	1
Chloroform	ND		1.0		ug/L			03/21/13 14:42	1
Chloromethane	ND		2.0		ug/L			03/21/13 14:42	1
cis-1,2-Dichloroethene	**1.5**		1.0		ug/L			03/21/13 14:42	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			03/21/13 14:42	1
Dichlorobromomethane	ND		0.50		ug/L			03/21/13 14:42	1
Dichlorodifluoromethane	ND		1.0		ug/L			03/21/13 14:42	1
Ethyl ether	ND		1.0		ug/L			03/21/13 14:42	1
Ethylbenzene	ND		1.0		ug/L			03/21/13 14:42	1
Ethylene Dibromide	ND		1.0		ug/L			03/21/13 14:42	1
Hexachlorobutadiene	ND		0.40		ug/L			03/21/13 14:42	1
Isopropyl ether	ND		10		ug/L			03/21/13 14:42	1
Isopropylbenzene	ND		1.0		ug/L			03/21/13 14:42	1
Methyl tert-butyl ether	**7.6**		1.0		ug/L			03/21/13 14:42	1
Methylene Chloride	ND		1.0		ug/L			03/21/13 14:42	1
m-Xylene & p-Xylene	ND		2.0		ug/L			03/21/13 14:42	1
Naphthalene	ND		5.0		ug/L			03/21/13 14:42	1
n-Butylbenzene	ND		1.0		ug/L			03/21/13 14:42	1
N-Propylbenzene	ND		1.0		ug/L			03/21/13 14:42	1
o-Xylene	ND		1.0		ug/L			03/21/13 14:42	1

Client Sample ID: MW1018-20130319-01

Lab Sample ID: 480-34637-5

Date Collected: 03/19/13 13:40

Matrix: Water

Date Received: 03/20/13 01:00

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0		ug/L			03/21/13 14:42	1
Styrene	ND		1.0		ug/L			03/21/13 14:42	1
Tert-amyl methyl ether	ND		5.0		ug/L			03/21/13 14:42	1
Tert-butyl ethyl ether	ND		5.0		ug/L			03/21/13 14:42	1
tert-Butylbenzene	ND		1.0		ug/L			03/21/13 14:42	1
Tetrachloroethene	ND		1.0		ug/L			03/21/13 14:42	1
Tetrahydrofuran	ND		10		ug/L			03/21/13 14:42	1
Toluene	ND		1.0		ug/L			03/21/13 14:42	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			03/21/13 14:42	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			03/21/13 14:42	1
Trichlorofluoromethane	ND		1.0		ug/L			03/21/13 14:42	1
Vinyl chloride	ND		0.50		ug/L			03/21/13 14:42	1
Dibromomethane	ND		1.0		ug/L			03/21/13 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*03/21/13 14:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*03/21/13 14:42*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*03/21/13 14:42*	*1*

Method: 8260C - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	300		5.0		ug/L			03/22/13 01:48	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*70 - 130*		*03/22/13 01:48*	*5*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*03/22/13 01:48*	*5*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*03/22/13 01:48*	*5*

Client Sample ID: MW1019B-20130319-01

Lab Sample ID: 480-34637-6

Date Collected: 03/19/13 13:55

Matrix: Water

Date Received: 03/20/13 01:00

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			03/21/13 15:06	1
1,1,1-Trichloroethane	ND		1.0		ug/L			03/21/13 15:06	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			03/21/13 15:06	1
1,1,2-Trichloroethane	ND		1.0		ug/L			03/21/13 15:06	1
1,1-Dichloroethane	ND		1.0		ug/L			03/21/13 15:06	1
1,1-Dichloroethene	ND		1.0		ug/L			03/21/13 15:06	1
1,1-Dichloropropene	ND		1.0		ug/L			03/21/13 15:06	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			03/21/13 15:06	1
1,2,3-Trichloropropane	ND		1.0		ug/L			03/21/13 15:06	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/21/13 15:06	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			03/21/13 15:06	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			03/21/13 15:06	1
1,2-Dichlorobenzene	ND		1.0		ug/L			03/21/13 15:06	1
1,2-Dichloroethane	ND		1.0		ug/L			03/21/13 15:06	1
1,2-Dichloropropane	ND		1.0		ug/L			03/21/13 15:06	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			03/21/13 15:06	1

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34637-1

Client Sample ID: MW1019B-20130319-01
Date Collected: 03/19/13 13:55
Date Received: 03/20/13 01:00

Lab Sample ID: 480-34637-6
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		1.0		ug/L			03/21/13 15:06	1
1,3-Dichloropropane	ND		1.0		ug/L			03/21/13 15:06	1
1,4-Dichlorobenzene	ND		1.0		ug/L			03/21/13 15:06	1
1,4-Dioxane	ND		50		ug/L			03/21/13 15:06	1
2,2-Dichloropropane	ND		1.0		ug/L			03/21/13 15:06	1
2-Butanone (MEK)	ND	*	10		ug/L			03/21/13 15:06	1
2-Chlorotoluene	ND		1.0		ug/L			03/21/13 15:06	1
2-Hexanone	ND		10		ug/L			03/21/13 15:06	1
4-Chlorotoluene	ND		1.0		ug/L			03/21/13 15:06	1
4-Isopropyltoluene	ND		1.0		ug/L			03/21/13 15:06	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			03/21/13 15:06	1
Acetone	ND		50		ug/L			03/21/13 15:06	1
Benzene	ND		1.0		ug/L			03/21/13 15:06	1
Bromobenzene	ND		1.0		ug/L			03/21/13 15:06	1
Bromoform	ND		1.0		ug/L			03/21/13 15:06	1
Bromomethane	ND		2.0		ug/L			03/21/13 15:06	1
Carbon disulfide	ND		10		ug/L			03/21/13 15:06	1
Carbon tetrachloride	ND		1.0		ug/L			03/21/13 15:06	1
Chlorobenzene	ND		1.0		ug/L			03/21/13 15:06	1
Chlorobromomethane	ND		1.0		ug/L			03/21/13 15:06	1
Chlorodibromomethane	ND		0.50		ug/L			03/21/13 15:06	1
Chloroethane	ND		2.0		ug/L			03/21/13 15:06	1
Chloroform	ND		1.0		ug/L			03/21/13 15:06	1
Chloromethane	ND		2.0		ug/L			03/21/13 15:06	1
cis-1,2-Dichloroethene	**5.9**		1.0		ug/L			03/21/13 15:06	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			03/21/13 15:06	1
Dichlorobromomethane	ND		0.50		ug/L			03/21/13 15:06	1
Dichlorodifluoromethane	ND		1.0		ug/L			03/21/13 15:06	1
Ethyl ether	ND		1.0		ug/L			03/21/13 15:06	1
Ethylbenzene	ND		1.0		ug/L			03/21/13 15:06	1
Ethylene Dibromide	ND		1.0		ug/L			03/21/13 15:06	1
Hexachlorobutadiene	ND		0.40		ug/L			03/21/13 15:06	1
Isopropyl ether	ND		10		ug/L			03/21/13 15:06	1
Isopropylbenzene	ND		1.0		ug/L			03/21/13 15:06	1
Methyl tert-butyl ether	ND		1.0		ug/L			03/21/13 15:06	1
Methylene Chloride	ND		1.0		ug/L			03/21/13 15:06	1
m-Xylene & p-Xylene	ND		2.0		ug/L			03/21/13 15:06	1
Naphthalene	ND		5.0		ug/L			03/21/13 15:06	1
n-Butylbenzene	ND		1.0		ug/L			03/21/13 15:06	1
N-Propylbenzene	ND		1.0		ug/L			03/21/13 15:06	1
o-Xylene	ND		1.0		ug/L			03/21/13 15:06	1
sec-Butylbenzene	ND		1.0		ug/L			03/21/13 15:06	1
Styrene	ND		1.0		ug/L			03/21/13 15:06	1
Tert-amyl methyl ether	ND		5.0		ug/L			03/21/13 15:06	1
Tert-butyl ethyl ether	ND		5.0		ug/L			03/21/13 15:06	1
tert-Butylbenzene	ND		1.0		ug/L			03/21/13 15:06	1
Tetrachloroethene	ND		1.0		ug/L			03/21/13 15:06	1
Tetrahydrofuran	ND		10		ug/L			03/21/13 15:06	1
Toluene	ND		1.0		ug/L			03/21/13 15:06	1

Client Sample ID: MW1019B-20130319-01 — **Lab Sample ID: 480-34637-6**
Date Collected: 03/19/13 13:55 — **Matrix: Water**
Date Received: 03/20/13 01:00

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0		ug/L			03/21/13 15:06	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			03/21/13 15:06	1
Trichloroethene	**26**		1.0		ug/L			03/21/13 15:06	1
Trichlorofluoromethane	ND		1.0		ug/L			03/21/13 15:06	1
Vinyl chloride	ND		0.50		ug/L			03/21/13 15:06	1
Dibromomethane	ND		1.0		ug/L			03/21/13 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*03/21/13 15:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*03/21/13 15:06*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*03/21/13 15:06*	*1*

Client Sample ID: DUP-001-20130319-01 — **Lab Sample ID: 480-34637-7**
Date Collected: 03/19/13 12:12 — **Matrix: Water**
Date Received: 03/20/13 01:00

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			03/21/13 15:30	1
1,1,1-Trichloroethane	ND		1.0		ug/L			03/21/13 15:30	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			03/21/13 15:30	1
1,1,2-Trichloroethane	ND		1.0		ug/L			03/21/13 15:30	1
1,1-Dichloroethane	**1.3**		1.0		ug/L			03/21/13 15:30	1
1,1-Dichloroethene	**1.6**		1.0		ug/L			03/21/13 15:30	1
1,1-Dichloropropene	ND		1.0		ug/L			03/21/13 15:30	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			03/21/13 15:30	1
1,2,3-Trichloropropane	ND		1.0		ug/L			03/21/13 15:30	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/21/13 15:30	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			03/21/13 15:30	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			03/21/13 15:30	1
1,2-Dichlorobenzene	ND		1.0		ug/L			03/21/13 15:30	1
1,2-Dichloroethane	ND		1.0		ug/L			03/21/13 15:30	1
1,2-Dichloropropane	ND		1.0		ug/L			03/21/13 15:30	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			03/21/13 15:30	1
1,3-Dichlorobenzene	ND		1.0		ug/L			03/21/13 15:30	1
1,3-Dichloropropane	ND		1.0		ug/L			03/21/13 15:30	1
1,4-Dichlorobenzene	ND		1.0		ug/L			03/21/13 15:30	1
1,4-Dioxane	ND		50		ug/L			03/21/13 15:30	1
2,2-Dichloropropane	ND		1.0		ug/L			03/21/13 15:30	1
2-Butanone (MEK)	ND	*	10		ug/L			03/21/13 15:30	1
2-Chlorotoluene	ND		1.0		ug/L			03/21/13 15:30	1
2-Hexanone	ND		10		ug/L			03/21/13 15:30	1
4-Chlorotoluene	ND		1.0		ug/L			03/21/13 15:30	1
4-Isopropyltoluene	ND		1.0		ug/L			03/21/13 15:30	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			03/21/13 15:30	1
Acetone	ND		50		ug/L			03/21/13 15:30	1
Benzene	ND		1.0		ug/L			03/21/13 15:30	1
Bromobenzene	ND		1.0		ug/L			03/21/13 15:30	1
Bromoform	ND		1.0		ug/L			03/21/13 15:30	1
Bromomethane	ND		2.0		ug/L			03/21/13 15:30	1

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34637-1

Client Sample ID: DUP-001-20130319-01
Date Collected: 03/19/13 12:12
Date Received: 03/20/13 01:00

Lab Sample ID: 480-34637-7
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		10		ug/L			03/21/13 15:30	1
Carbon tetrachloride	ND		1.0		ug/L			03/21/13 15:30	1
Chlorobenzene	ND		1.0		ug/L			03/21/13 15:30	1
Chlorobromomethane	ND		1.0		ug/L			03/21/13 15:30	1
Chlorodibromomethane	ND		0.50		ug/L			03/21/13 15:30	1
Chloroethane	ND		2.0		ug/L			03/21/13 15:30	1
Chloroform	ND		1.0		ug/L			03/21/13 15:30	1
Chloromethane	ND		2.0		ug/L			03/21/13 15:30	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			03/21/13 15:30	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			03/21/13 15:30	1
Dichlorobromomethane	ND		0.50		ug/L			03/21/13 15:30	1
Dichlorodifluoromethane	ND		1.0		ug/L			03/21/13 15:30	1
Ethyl ether	ND		1.0		ug/L			03/21/13 15:30	1
Ethylbenzene	ND		1.0		ug/L			03/21/13 15:30	1
Ethylene Dibromide	ND		1.0		ug/L			03/21/13 15:30	1
Hexachlorobutadiene	ND		0.40		ug/L			03/21/13 15:30	1
Isopropyl ether	ND		10		ug/L			03/21/13 15:30	1
Isopropylbenzene	ND		1.0		ug/L			03/21/13 15:30	1
Methyl tert-butyl ether	**85**		1.0		ug/L			03/21/13 15:30	1
Methylene Chloride	ND		1.0		ug/L			03/21/13 15:30	1
m-Xylene & p-Xylene	ND		2.0		ug/L			03/21/13 15:30	1
Naphthalene	ND		5.0		ug/L			03/21/13 15:30	1
n-Butylbenzene	ND		1.0		ug/L			03/21/13 15:30	1
N-Propylbenzene	ND		1.0		ug/L			03/21/13 15:30	1
o-Xylene	ND		1.0		ug/L			03/21/13 15:30	1
sec-Butylbenzene	ND		1.0		ug/L			03/21/13 15:30	1
Styrene	ND		1.0		ug/L			03/21/13 15:30	1
Tert-amyl methyl ether	**18**		5.0		ug/L			03/21/13 15:30	1
Tert-butyl ethyl ether	ND		5.0		ug/L			03/21/13 15:30	1
tert-Butylbenzene	ND		1.0		ug/L			03/21/13 15:30	1
Tetrachloroethene	ND		1.0		ug/L			03/21/13 15:30	1
Tetrahydrofuran	ND		10		ug/L			03/21/13 15:30	1
Toluene	ND		1.0		ug/L			03/21/13 15:30	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			03/21/13 15:30	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			03/21/13 15:30	1
Trichloroethene	**11**		1.0		ug/L			03/21/13 15:30	1
Trichlorofluoromethane	ND		1.0		ug/L			03/21/13 15:30	1
Vinyl chloride	ND		0.50		ug/L			03/21/13 15:30	1
Dibromomethane	ND		1.0		ug/L			03/21/13 15:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*03/21/13 15:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*03/21/13 15:30*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*03/21/13 15:30*	*1*

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34637-1

Client Sample ID: MW1032-20130319-01
Date Collected: 03/19/13 10:55
Date Received: 03/20/13 01:00

Lab Sample ID: 480-34637-8
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			03/21/13 15:53	1
1,1,1-Trichloroethane	ND		1.0		ug/L			03/21/13 15:53	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			03/21/13 15:53	1
1,1,2-Trichloroethane	ND		1.0		ug/L			03/21/13 15:53	1
1,1-Dichloroethane	**1.3**		1.0		ug/L			03/21/13 15:53	1
1,1-Dichloroethene	**1.7**		1.0		ug/L			03/21/13 15:53	1
1,1-Dichloropropene	ND		1.0		ug/L			03/21/13 15:53	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			03/21/13 15:53	1
1,2,3-Trichloropropane	ND		1.0		ug/L			03/21/13 15:53	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/21/13 15:53	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			03/21/13 15:53	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			03/21/13 15:53	1
1,2-Dichlorobenzene	ND		1.0		ug/L			03/21/13 15:53	1
1,2-Dichloroethane	ND		1.0		ug/L			03/21/13 15:53	1
1,2-Dichloropropane	ND		1.0		ug/L			03/21/13 15:53	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			03/21/13 15:53	1
1,3-Dichlorobenzene	ND		1.0		ug/L			03/21/13 15:53	1
1,3-Dichloropropane	ND		1.0		ug/L			03/21/13 15:53	1
1,4-Dichlorobenzene	ND		1.0		ug/L			03/21/13 15:53	1
1,4-Dioxane	ND		50		ug/L			03/21/13 15:53	1
2,2-Dichloropropane	ND		1.0		ug/L			03/21/13 15:53	1
2-Butanone (MEK)	ND	*	10		ug/L			03/21/13 15:53	1
2-Chlorotoluene	ND		1.0		ug/L			03/21/13 15:53	1
2-Hexanone	ND		10		ug/L			03/21/13 15:53	1
4-Chlorotoluene	ND		1.0		ug/L			03/21/13 15:53	1
4-Isopropyltoluene	ND		1.0		ug/L			03/21/13 15:53	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			03/21/13 15:53	1
Acetone	ND		50		ug/L			03/21/13 15:53	1
Benzene	ND		1.0		ug/L			03/21/13 15:53	1
Bromobenzene	ND		1.0		ug/L			03/21/13 15:53	1
Bromoform	ND		1.0		ug/L			03/21/13 15:53	1
Bromomethane	ND		2.0		ug/L			03/21/13 15:53	1
Carbon disulfide	ND		10		ug/L			03/21/13 15:53	1
Carbon tetrachloride	ND		1.0		ug/L			03/21/13 15:53	1
Chlorobenzene	ND		1.0		ug/L			03/21/13 15:53	1
Chlorobromomethane	ND		1.0		ug/L			03/21/13 15:53	1
Chlorodibromomethane	ND		0.50		ug/L			03/21/13 15:53	1
Chloroethane	ND		2.0		ug/L			03/21/13 15:53	1
Chloroform	ND		1.0		ug/L			03/21/13 15:53	1
Chloromethane	ND		2.0		ug/L			03/21/13 15:53	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			03/21/13 15:53	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			03/21/13 15:53	1
Dichlorobromomethane	ND		0.50		ug/L			03/21/13 15:53	1
Dichlorodifluoromethane	ND		1.0		ug/L			03/21/13 15:53	1
Ethyl ether	ND		1.0		ug/L			03/21/13 15:53	1
Ethylbenzene	ND		1.0		ug/L			03/21/13 15:53	1
Ethylene Dibromide	ND		1.0		ug/L			03/21/13 15:53	1
Hexachlorobutadiene	ND		0.40		ug/L			03/21/13 15:53	1
Isopropyl ether	ND		10		ug/L			03/21/13 15:53	1

Client Sample ID: MW1032-20130319-01

Lab Sample ID: 480-34637-8

Date Collected: 03/19/13 10:55

Matrix: Water

Date Received: 03/20/13 01:00

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0		ug/L			03/21/13 15:53	1
Methyl tert-butyl ether	**86**		1.0		ug/L			03/21/13 15:53	1
Methylene Chloride	ND		1.0		ug/L			03/21/13 15:53	1
m-Xylene & p-Xylene	ND		2.0		ug/L			03/21/13 15:53	1
Naphthalene	ND		5.0		ug/L			03/21/13 15:53	1
n-Butylbenzene	ND		1.0		ug/L			03/21/13 15:53	1
N-Propylbenzene	ND		1.0		ug/L			03/21/13 15:53	1
o-Xylene	ND		1.0		ug/L			03/21/13 15:53	1
sec-Butylbenzene	ND		1.0		ug/L			03/21/13 15:53	1
Styrene	ND		1.0		ug/L			03/21/13 15:53	1
Tert-amyl methyl ether	**18**		5.0		ug/L			03/21/13 15:53	1
Tert-butyl ethyl ether	ND		5.0		ug/L			03/21/13 15:53	1
tert-Butylbenzene	ND		1.0		ug/L			03/21/13 15:53	1
Tetrachloroethene	ND		1.0		ug/L			03/21/13 15:53	1
Tetrahydrofuran	ND		10		ug/L			03/21/13 15:53	1
Toluene	ND		1.0		ug/L			03/21/13 15:53	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			03/21/13 15:53	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			03/21/13 15:53	1
Trichloroethene	**12**		1.0		ug/L			03/21/13 15:53	1
Trichlorofluoromethane	ND		1.0		ug/L			03/21/13 15:53	1
Vinyl chloride	ND		0.50		ug/L			03/21/13 15:53	1
Dibromomethane	ND		1.0		ug/L			03/21/13 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*03/21/13 15:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*03/21/13 15:53*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*03/21/13 15:53*	*1*

Client Sample ID: MW-1005-20130319-01

Lab Sample ID: 480-34637-9

Date Collected: 03/19/13 15:50

Matrix: Water

Date Received: 03/20/13 01:00

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			03/21/13 16:17	1
1,1,1-Trichloroethane	ND		1.0		ug/L			03/21/13 16:17	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			03/21/13 16:17	1
1,1,2-Trichloroethane	ND		1.0		ug/L			03/21/13 16:17	1
1,1-Dichloroethane	ND		1.0		ug/L			03/21/13 16:17	1
1,1-Dichloroethene	ND		1.0		ug/L			03/21/13 16:17	1
1,1-Dichloropropene	ND		1.0		ug/L			03/21/13 16:17	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			03/21/13 16:17	1
1,2,3-Trichloropropane	ND		1.0		ug/L			03/21/13 16:17	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/21/13 16:17	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			03/21/13 16:17	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			03/21/13 16:17	1
1,2-Dichlorobenzene	ND		1.0		ug/L			03/21/13 16:17	1
1,2-Dichloroethane	ND		1.0		ug/L			03/21/13 16:17	1
1,2-Dichloropropane	ND		1.0		ug/L			03/21/13 16:17	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			03/21/13 16:17	1

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34637-1

Client Sample ID: MW-1005-20130319-01
Date Collected: 03/19/13 15:50
Date Received: 03/20/13 01:00

Lab Sample ID: 480-34637-9
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		1.0		ug/L			03/21/13 16:17	1
1,3-Dichloropropane	ND		1.0		ug/L			03/21/13 16:17	1
1,4-Dichlorobenzene	ND		1.0		ug/L			03/21/13 16:17	1
1,4-Dioxane	ND		50		ug/L			03/21/13 16:17	1
2,2-Dichloropropane	ND		1.0		ug/L			03/21/13 16:17	1
2-Butanone (MEK)	ND	*	10		ug/L			03/21/13 16:17	1
2-Chlorotoluene	ND		1.0		ug/L			03/21/13 16:17	1
2-Hexanone	ND		10		ug/L			03/21/13 16:17	1
4-Chlorotoluene	ND		1.0		ug/L			03/21/13 16:17	1
4-Isopropyltoluene	ND		1.0		ug/L			03/21/13 16:17	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			03/21/13 16:17	1
Acetone	ND		50		ug/L			03/21/13 16:17	1
Benzene	ND		1.0		ug/L			03/21/13 16:17	1
Bromobenzene	ND		1.0		ug/L			03/21/13 16:17	1
Bromoform	ND		1.0		ug/L			03/21/13 16:17	1
Bromomethane	ND		2.0		ug/L			03/21/13 16:17	1
Carbon disulfide	ND		10		ug/L			03/21/13 16:17	1
Carbon tetrachloride	ND		1.0		ug/L			03/21/13 16:17	1
Chlorobenzene	ND		1.0		ug/L			03/21/13 16:17	1
Chlorobromomethane	ND		1.0		ug/L			03/21/13 16:17	1
Chlorodibromomethane	ND		0.50		ug/L			03/21/13 16:17	1
Chloroethane	ND		2.0		ug/L			03/21/13 16:17	1
Chloroform	ND		1.0		ug/L			03/21/13 16:17	1
Chloromethane	ND		2.0		ug/L			03/21/13 16:17	1
cis-1,2-Dichloroethene	**3.2**		1.0		ug/L			03/21/13 16:17	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			03/21/13 16:17	1
Dichlorobromomethane	ND		0.50		ug/L			03/21/13 16:17	1
Dichlorodifluoromethane	ND		1.0		ug/L			03/21/13 16:17	1
Ethyl ether	ND		1.0		ug/L			03/21/13 16:17	1
Ethylbenzene	ND		1.0		ug/L			03/21/13 16:17	1
Ethylene Dibromide	ND		1.0		ug/L			03/21/13 16:17	1
Hexachlorobutadiene	ND		0.40		ug/L			03/21/13 16:17	1
Isopropyl ether	ND		10		ug/L			03/21/13 16:17	1
Isopropylbenzene	ND		1.0		ug/L			03/21/13 16:17	1
Methyl tert-butyl ether	ND		1.0		ug/L			03/21/13 16:17	1
Methylene Chloride	ND		1.0		ug/L			03/21/13 16:17	1
m-Xylene & p-Xylene	ND		2.0		ug/L			03/21/13 16:17	1
Naphthalene	ND		5.0		ug/L			03/21/13 16:17	1
n-Butylbenzene	ND		1.0		ug/L			03/21/13 16:17	1
N-Propylbenzene	ND		1.0		ug/L			03/21/13 16:17	1
o-Xylene	ND		1.0		ug/L			03/21/13 16:17	1
sec-Butylbenzene	ND		1.0		ug/L			03/21/13 16:17	1
Styrene	ND		1.0		ug/L			03/21/13 16:17	1
Tert-amyl methyl ether	ND		5.0		ug/L			03/21/13 16:17	1
Tert-butyl ethyl ether	ND		5.0		ug/L			03/21/13 16:17	1
tert-Butylbenzene	ND		1.0		ug/L			03/21/13 16:17	1
Tetrachloroethene	**1.2**		1.0		ug/L			03/21/13 16:17	1
Tetrahydrofuran	ND		10		ug/L			03/21/13 16:17	1
Toluene	ND		1.0		ug/L			03/21/13 16:17	1

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34637-1

Client Sample ID: MW-1005-20130319-01
Date Collected: 03/19/13 15:50
Date Received: 03/20/13 01:00

Lab Sample ID: 480-34637-9
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0		ug/L			03/21/13 16:17	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			03/21/13 16:17	1
Trichloroethene	**17**		1.0		ug/L			03/21/13 16:17	1
Trichlorofluoromethane	ND		1.0		ug/L			03/21/13 16:17	1
Vinyl chloride	ND		0.50		ug/L			03/21/13 16:17	1
Dibromomethane	ND		1.0		ug/L			03/21/13 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*03/21/13 16:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*		*03/21/13 16:17*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*03/21/13 16:17*	*1*

Surrogate Summary

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34637-1

Method: 8260C - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	12DCE	BFB
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
480-34637-1	MW1020-20130319-01	97	96	99
480-34637-2	MW1017D-20130319-01	96	94	98
480-34637-3	MW1008-20130319-01	97	97	103
480-34637-4	MW1012-20130319-01	96	97	100
480-34637-5	MW1018-20130319-01	96	97	99
480-34637-5 - DL	MW1018-20130319-01	98	95	101
480-34637-6	MW1019B-20130319-01	97	100	101
480-34637-7	DUP-001-20130319-01	96	96	102
480-34637-8	MW1032-20130319-01	96	96	99
480-34637-9	MW-1005-20130319-01	97	98	101
LCS 480-108444/4	Lab Control Sample	99	97	104
LCS 480-108596/4	Lab Control Sample	97	94	102
LCSD 480-108444/5	Lab Control Sample Dup	99	97	103
LCSD 480-108596/5	Lab Control Sample Dup	98	94	102
MB 480-108444/7	Method Blank	96	96	100
MB 480-108596/7	Method Blank	97	95	101

Surrogate Legend

TOL = Toluene-d8 (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: 522 MOD - 1,4 Dioxane (GC/MS SIM)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		14DD8
Lab Sample ID	Client Sample ID	(70-130)
480-34637-1	MW1020-20130319-01	78
LCS 200-53504/2-A	Lab Control Sample	84
MB 200-53504/1-A	Method Blank	79

Surrogate Legend

14DD8 = 1,4-Dioxane-d8 (Surr)

Method: 8260C - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-108444/7
Matrix: Water
Analysis Batch: 108444

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			03/21/13 10:59	1
1,1,1-Trichloroethane	ND		1.0		ug/L			03/21/13 10:59	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			03/21/13 10:59	1
1,1,2-Trichloroethane	ND		1.0		ug/L			03/21/13 10:59	1
1,1-Dichloroethane	ND		1.0		ug/L			03/21/13 10:59	1
1,1-Dichloroethene	ND		1.0		ug/L			03/21/13 10:59	1
1,1-Dichloropropene	ND		1.0		ug/L			03/21/13 10:59	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			03/21/13 10:59	1
1,2,3-Trichloropropane	ND		1.0		ug/L			03/21/13 10:59	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/21/13 10:59	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			03/21/13 10:59	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			03/21/13 10:59	1
1,2-Dichlorobenzene	ND		1.0		ug/L			03/21/13 10:59	1
1,2-Dichloroethane	ND		1.0		ug/L			03/21/13 10:59	1
1,2-Dichloropropane	ND		1.0		ug/L			03/21/13 10:59	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			03/21/13 10:59	1
1,3-Dichlorobenzene	ND		1.0		ug/L			03/21/13 10:59	1
1,3-Dichloropropane	ND		1.0		ug/L			03/21/13 10:59	1
1,4-Dichlorobenzene	ND		1.0		ug/L			03/21/13 10:59	1
1,4-Dioxane	ND		50		ug/L			03/21/13 10:59	1
2,2-Dichloropropane	ND		1.0		ug/L			03/21/13 10:59	1
2-Butanone (MEK)	ND		10		ug/L			03/21/13 10:59	1
2-Chlorotoluene	ND		1.0		ug/L			03/21/13 10:59	1
2-Hexanone	ND		10		ug/L			03/21/13 10:59	1
4-Chlorotoluene	ND		1.0		ug/L			03/21/13 10:59	1
4-Isopropyltoluene	ND		1.0		ug/L			03/21/13 10:59	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			03/21/13 10:59	1
Acetone	ND		50		ug/L			03/21/13 10:59	1
Benzene	ND		1.0		ug/L			03/21/13 10:59	1
Bromobenzene	ND		1.0		ug/L			03/21/13 10:59	1
Bromoform	ND		1.0		ug/L			03/21/13 10:59	1
Bromomethane	ND		2.0		ug/L			03/21/13 10:59	1
Carbon disulfide	ND		10		ug/L			03/21/13 10:59	1
Carbon tetrachloride	ND		1.0		ug/L			03/21/13 10:59	1
Chlorobenzene	ND		1.0		ug/L			03/21/13 10:59	1
Chlorobromomethane	ND		1.0		ug/L			03/21/13 10:59	1
Chlorodibromomethane	ND		0.50		ug/L			03/21/13 10:59	1
Chloroethane	ND		2.0		ug/L			03/21/13 10:59	1
Chloroform	ND		1.0		ug/L			03/21/13 10:59	1
Chloromethane	ND		2.0		ug/L			03/21/13 10:59	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			03/21/13 10:59	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			03/21/13 10:59	1
Dichlorobromomethane	ND		0.50		ug/L			03/21/13 10:59	1
Dichlorodifluoromethane	ND		1.0		ug/L			03/21/13 10:59	1
Ethyl ether	ND		1.0		ug/L			03/21/13 10:59	1
Ethylbenzene	ND		1.0		ug/L			03/21/13 10:59	1
Ethylene Dibromide	ND		1.0		ug/L			03/21/13 10:59	1
Hexachlorobutadiene	ND		0.40		ug/L			03/21/13 10:59	1

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-108444/7
Matrix: Water
Analysis Batch: 108444

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropyl ether	ND		10		ug/L			03/21/13 10:59	1
Isopropylbenzene	ND		1.0		ug/L			03/21/13 10:59	1
Methyl tert-butyl ether	ND		1.0		ug/L			03/21/13 10:59	1
Methylene Chloride	ND		1.0		ug/L			03/21/13 10:59	1
m-Xylene & p-Xylene	ND		2.0		ug/L			03/21/13 10:59	1
Naphthalene	ND		5.0		ug/L			03/21/13 10:59	1
n-Butylbenzene	ND		1.0		ug/L			03/21/13 10:59	1
N-Propylbenzene	ND		1.0		ug/L			03/21/13 10:59	1
o-Xylene	ND		1.0		ug/L			03/21/13 10:59	1
sec-Butylbenzene	ND		1.0		ug/L			03/21/13 10:59	1
Styrene	ND		1.0		ug/L			03/21/13 10:59	1
Tert-amyl methyl ether	ND		5.0		ug/L			03/21/13 10:59	1
Tert-butyl ethyl ether	ND		5.0		ug/L			03/21/13 10:59	1
tert-Butylbenzene	ND		1.0		ug/L			03/21/13 10:59	1
Tetrachloroethene	ND		1.0		ug/L			03/21/13 10:59	1
Tetrahydrofuran	ND		10		ug/L			03/21/13 10:59	1
Toluene	ND		1.0		ug/L			03/21/13 10:59	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			03/21/13 10:59	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			03/21/13 10:59	1
Trichloroethene	ND		1.0		ug/L			03/21/13 10:59	1
Trichlorofluoromethane	ND		1.0		ug/L			03/21/13 10:59	1
Vinyl chloride	ND		0.50		ug/L			03/21/13 10:59	1
Dibromomethane	ND		1.0		ug/L			03/21/13 10:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*03/21/13 10:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*03/21/13 10:59*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*03/21/13 10:59*	*1*

Lab Sample ID: LCS 480-108444/4
Matrix: Water
Analysis Batch: 108444

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	24.1		ug/L		97	70 - 130
1,1,1-Trichloroethane	25.0	23.1		ug/L		93	70 - 130
1,1,2,2-Tetrachloroethane	25.0	23.2		ug/L		93	70 - 130
1,1,2-Trichloroethane	25.0	23.3		ug/L		93	70 - 130
1,1-Dichloroethane	25.0	23.2		ug/L		93	70 - 130
1,1-Dichloroethene	25.0	23.6		ug/L		94	70 - 130
1,1-Dichloropropene	25.0	23.8		ug/L		95	70 - 130
1,2,3-Trichlorobenzene	25.0	24.2		ug/L		97	70 - 130
1,2,3-Trichloropropane	25.0	23.8		ug/L		95	70 - 130
1,2,4-Trichlorobenzene	25.0	24.9		ug/L		100	70 - 130
1,2,4-Trimethylbenzene	25.0	22.6		ug/L		91	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	24.2		ug/L		97	70 - 130
1,2-Dichlorobenzene	25.0	23.1		ug/L		92	70 - 130
1,2-Dichloroethane	25.0	22.6		ug/L		91	70 - 130

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-108444/4
Matrix: Water
Analysis Batch: 108444

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloropropane	25.0	23.5		ug/L		94	70 - 130
1,3,5-Trimethylbenzene	25.0	22.6		ug/L		90	70 - 130
1,3-Dichlorobenzene	25.0	23.0		ug/L		92	70 - 130
1,3-Dichloropropane	25.0	22.8		ug/L		91	70 - 130
1,4-Dichlorobenzene	25.0	23.2		ug/L		93	70 - 130
1,4-Dioxane	1000	1050		ug/L		105	70 - 130
2,2-Dichloropropane	25.0	22.4		ug/L		90	70 - 130
2-Butanone (MEK)	125	174	*	ug/L		139	70 - 130
2-Chlorotoluene	25.0	22.3		ug/L		89	70 - 130
2-Hexanone	125	119		ug/L		95	70 - 130
4-Chlorotoluene	25.0	20.0		ug/L		80	70 - 130
4-Isopropyltoluene	25.0	23.4		ug/L		94	70 - 130
4-Methyl-2-pentanone (MIBK)	125	119		ug/L		95	70 - 130
Acetone	125	136		ug/L		109	70 - 130
Benzene	25.0	23.1		ug/L		92	70 - 130
Bromobenzene	25.0	23.1		ug/L		92	70 - 130
Bromoform	25.0	24.9		ug/L		100	70 - 130
Bromomethane	25.0	19.1		ug/L		76	70 - 130
Carbon disulfide	25.0	23.3		ug/L		93	70 - 130
Carbon tetrachloride	25.0	23.7		ug/L		95	70 - 130
Chlorobenzene	25.0	23.3		ug/L		93	70 - 130
Chlorobromomethane	25.0	25.1		ug/L		100	70 - 130
Chlorodibromomethane	25.0	24.2		ug/L		97	70 - 130
Chloroethane	25.0	23.5		ug/L		94	70 - 130
Chloroform	25.0	23.0		ug/L		92	70 - 130
Chloromethane	25.0	22.3		ug/L		89	70 - 130
cis-1,2-Dichloroethene	25.0	24.3		ug/L		97	70 - 130
cis-1,3-Dichloropropene	25.0	24.2		ug/L		97	70 - 130
Dichlorobromomethane	25.0	23.2		ug/L		93	70 - 130
Dichlorodifluoromethane	50.0	56.5		ug/L		113	70 - 130
Ethyl ether	25.0	24.8		ug/L		99	70 - 130
Ethylbenzene	25.0	22.8		ug/L		91	70 - 130
Ethylene Dibromide	25.0	23.7		ug/L		95	70 - 130
Hexachlorobutadiene	25.0	23.1		ug/L		93	70 - 130
Isopropyl ether	25.0	24.8		ug/L		99	70 - 130
Isopropylbenzene	25.0	22.4		ug/L		89	70 - 130
Methyl tert-butyl ether	25.0	24.4		ug/L		98	70 - 130
Methylene Chloride	25.0	22.3		ug/L		89	70 - 130
m-Xylene & p-Xylene	50.0	46.2		ug/L		92	70 - 130
Naphthalene	25.0	24.2		ug/L		97	70 - 130
n-Butylbenzene	25.0	22.8		ug/L		91	70 - 130
N-Propylbenzene	25.0	22.7		ug/L		91	70 - 130
o-Xylene	25.0	23.1		ug/L		93	70 - 130
sec-Butylbenzene	25.0	22.8		ug/L		91	70 - 130
Styrene	25.0	23.5		ug/L		94	70 - 130
Tert-amyl methyl ether	25.0	24.9		ug/L		99	70 - 130
Tert-butyl ethyl ether	25.0	24.4		ug/L		98	70 - 130
tert-Butylbenzene	25.0	23.6		ug/L		95	70 - 130

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-108444/4
Matrix: Water
Analysis Batch: 108444

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Tetrachloroethene			25.0	24.7		ug/L		99	70 - 130		
Tetrahydrofuran			125	128		ug/L		103	70 - 130		
Toluene			25.0	22.8		ug/L		91	70 - 130		
trans-1,2-Dichloroethene			25.0	23.4		ug/L		93	70 - 130		
trans-1,3-Dichloropropene			25.0	23.4		ug/L		94	70 - 130		
Trichloroethene			25.0	23.5		ug/L		94	70 - 130		
Trichlorofluoromethane			25.0	25.6		ug/L		103	70 - 130		
Vinyl chloride			25.0	21.9		ug/L		88	70 - 130		
Dibromomethane			25.0	24.4		ug/L		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 480-108444/5
Matrix: Water
Analysis Batch: 108444

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			25.0	23.2		ug/L		93	70 - 130	4	20
1,1,1-Trichloroethane			25.0	22.0		ug/L		88	70 - 130	5	20
1,1,2,2-Tetrachloroethane			25.0	23.5		ug/L		94	70 - 130	1	20
1,1,2-Trichloroethane			25.0	23.5		ug/L		94	70 - 130	1	20
1,1-Dichloroethane			25.0	22.5		ug/L		90	70 - 130	3	20
1,1-Dichloroethene			25.0	21.9		ug/L		88	70 - 130	7	20
1,1-Dichloropropene			25.0	22.7		ug/L		91	70 - 130	4	20
1,2,3-Trichlorobenzene			25.0	23.2		ug/L		93	70 - 130	4	20
1,2,3-Trichloropropane			25.0	24.0		ug/L		96	70 - 130	1	20
1,2,4-Trichlorobenzene			25.0	24.3		ug/L		97	70 - 130	2	20
1,2,4-Trimethylbenzene			25.0	22.5		ug/L		90	70 - 130	1	20
1,2-Dibromo-3-Chloropropane			25.0	24.5		ug/L		98	70 - 130	1	20
1,2-Dichlorobenzene			25.0	23.1		ug/L		92	70 - 130	0	20
1,2-Dichloroethane			25.0	22.3		ug/L		89	70 - 130	2	20
1,2-Dichloropropane			25.0	22.7		ug/L		91	70 - 130	4	20
1,3,5-Trimethylbenzene			25.0	22.0		ug/L		88	70 - 130	3	20
1,3-Dichlorobenzene			25.0	23.3		ug/L		93	70 - 130	1	20
1,3-Dichloropropane			25.0	22.2		ug/L		89	70 - 130	2	20
1,4-Dichlorobenzene			25.0	23.0		ug/L		92	70 - 130	1	20
1,4-Dioxane			1000	973		ug/L		97	70 - 130	8	20
2,2-Dichloropropane			25.0	21.5		ug/L		86	70 - 130	4	20
2-Butanone (MEK)			125	169	*	ug/L		136	70 - 130	3	20
2-Chlorotoluene			25.0	22.5		ug/L		90	70 - 130	1	20
2-Hexanone			125	118		ug/L		94	70 - 130	1	20
4-Chlorotoluene			25.0	19.9		ug/L		80	70 - 130	0	20
4-Isopropyltoluene			25.0	22.8		ug/L		91	70 - 130	3	20
4-Methyl-2-pentanone (MIBK)			125	118		ug/L		95	70 - 130	1	20
Acetone			125	120		ug/L		96	70 - 130	13	20

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-108444/5
Matrix: Water
Analysis Batch: 108444

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			25.0	22.4		ug/L		89	70 - 130	3	20
Bromobenzene			25.0	23.4		ug/L		93	70 - 130	1	20
Bromoform			25.0	24.4		ug/L		98	70 - 130	2	20
Bromomethane			25.0	22.4		ug/L		90	70 - 130	16	20
Carbon disulfide			25.0	22.2		ug/L		89	70 - 130	5	20
Carbon tetrachloride			25.0	22.5		ug/L		90	70 - 130	5	20
Chlorobenzene			25.0	22.8		ug/L		91	70 - 130	3	20
Chlorobromomethane			25.0	24.7		ug/L		99	70 - 130	2	20
Chlorodibromomethane			25.0	23.8		ug/L		95	70 - 130	2	20
Chloroethane			25.0	22.7		ug/L		91	70 - 130	3	20
Chloroform			25.0	21.9		ug/L		88	70 - 130	5	20
Chloromethane			25.0	21.6		ug/L		86	70 - 130	3	20
cis-1,2-Dichloroethene			25.0	22.9		ug/L		91	70 - 130	6	20
cis-1,3-Dichloropropene			25.0	23.4		ug/L		94	70 - 130	4	20
Dichlorobromomethane			25.0	22.6		ug/L		90	70 - 130	2	20
Dichlorodifluoromethane			50.0	53.7		ug/L		107	70 - 130	5	20
Ethyl ether			25.0	24.3		ug/L		97	70 - 130	2	20
Ethylbenzene			25.0	22.1		ug/L		88	70 - 130	3	20
Ethylene Dibromide			25.0	23.5		ug/L		94	70 - 130	1	20
Hexachlorobutadiene			25.0	22.1		ug/L		88	70 - 130	5	20
Isopropyl ether			25.0	24.2		ug/L		97	70 - 130	3	20
Isopropylbenzene			25.0	22.1		ug/L		88	70 - 130	1	20
Methyl tert-butyl ether			25.0	24.1		ug/L		97	70 - 130	1	20
Methylene Chloride			25.0	21.2		ug/L		85	70 - 130	5	20
m-Xylene & p-Xylene			50.0	44.5		ug/L		89	70 - 130	4	20
Naphthalene			25.0	23.5		ug/L		94	70 - 130	3	20
n-Butylbenzene			25.0	22.4		ug/L		90	70 - 130	2	20
N-Propylbenzene			25.0	22.3		ug/L		89	70 - 130	2	20
o-Xylene			25.0	22.8		ug/L		91	70 - 130	1	20
sec-Butylbenzene			25.0	22.6		ug/L		90	70 - 130	1	20
Styrene			25.0	22.7		ug/L		91	70 - 130	3	20
Tert-amyl methyl ether			25.0	24.5		ug/L		98	70 - 130	2	20
Tert-butyl ethyl ether			25.0	23.8		ug/L		95	70 - 130	3	20
tert-Butylbenzene			25.0	22.7		ug/L		91	70 - 130	4	20
Tetrachloroethene			25.0	23.8		ug/L		95	70 - 130	4	20
Tetrahydrofuran			125	122		ug/L		98	70 - 130	5	20
Toluene			25.0	22.2		ug/L		89	70 - 130	3	20
trans-1,2-Dichloroethene			25.0	22.9		ug/L		92	70 - 130	2	20
trans-1,3-Dichloropropene			25.0	22.9		ug/L		92	70 - 130	2	20
Trichloroethene			25.0	22.8		ug/L		91	70 - 130	3	20
Trichlorofluoromethane			25.0	23.7		ug/L		95	70 - 130	8	20
Vinyl chloride			25.0	21.0		ug/L		84	70 - 130	5	20
Dibromomethane			25.0	23.6		ug/L		95	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-108596/7
Matrix: Water
Analysis Batch: 108596

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			03/22/13 00:17	1
1,1,1-Trichloroethane	ND		1.0		ug/L			03/22/13 00:17	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			03/22/13 00:17	1
1,1,2-Trichloroethane	ND		1.0		ug/L			03/22/13 00:17	1
1,1-Dichloroethane	ND		1.0		ug/L			03/22/13 00:17	1
1,1-Dichloroethene	ND		1.0		ug/L			03/22/13 00:17	1
1,1-Dichloropropene	ND		1.0		ug/L			03/22/13 00:17	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			03/22/13 00:17	1
1,2,3-Trichloropropane	ND		1.0		ug/L			03/22/13 00:17	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/22/13 00:17	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			03/22/13 00:17	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			03/22/13 00:17	1
1,2-Dichlorobenzene	ND		1.0		ug/L			03/22/13 00:17	1
1,2-Dichloroethane	ND		1.0		ug/L			03/22/13 00:17	1
1,2-Dichloropropane	ND		1.0		ug/L			03/22/13 00:17	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			03/22/13 00:17	1
1,3-Dichlorobenzene	ND		1.0		ug/L			03/22/13 00:17	1
1,3-Dichloropropane	ND		1.0		ug/L			03/22/13 00:17	1
1,4-Dichlorobenzene	ND		1.0		ug/L			03/22/13 00:17	1
1,4-Dioxane	ND		50		ug/L			03/22/13 00:17	1
2,2-Dichloropropane	ND		1.0		ug/L			03/22/13 00:17	1
2-Butanone (MEK)	ND		10		ug/L			03/22/13 00:17	1
2-Chlorotoluene	ND		1.0		ug/L			03/22/13 00:17	1
2-Hexanone	ND		10		ug/L			03/22/13 00:17	1
4-Chlorotoluene	ND		1.0		ug/L			03/22/13 00:17	1
4-Isopropyltoluene	ND		1.0		ug/L			03/22/13 00:17	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			03/22/13 00:17	1
Acetone	ND		50		ug/L			03/22/13 00:17	1
Benzene	ND		1.0		ug/L			03/22/13 00:17	1
Bromobenzene	ND		1.0		ug/L			03/22/13 00:17	1
Bromoform	ND		1.0		ug/L			03/22/13 00:17	1
Bromomethane	ND		2.0		ug/L			03/22/13 00:17	1
Carbon disulfide	ND		10		ug/L			03/22/13 00:17	1
Carbon tetrachloride	ND		1.0		ug/L			03/22/13 00:17	1
Chlorobenzene	ND		1.0		ug/L			03/22/13 00:17	1
Chlorobromomethane	ND		1.0		ug/L			03/22/13 00:17	1
Chlorodibromomethane	ND		0.50		ug/L			03/22/13 00:17	1
Chloroethane	ND		2.0		ug/L			03/22/13 00:17	1
Chloroform	ND		1.0		ug/L			03/22/13 00:17	1
Chloromethane	ND		2.0		ug/L			03/22/13 00:17	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			03/22/13 00:17	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			03/22/13 00:17	1
Dichlorobromomethane	ND		0.50		ug/L			03/22/13 00:17	1
Dichlorodifluoromethane	ND		1.0		ug/L			03/22/13 00:17	1
Ethyl ether	ND		1.0		ug/L			03/22/13 00:17	1
Ethylbenzene	ND		1.0		ug/L			03/22/13 00:17	1
Ethylene Dibromide	ND		1.0		ug/L			03/22/13 00:17	1
Hexachlorobutadiene	ND		0.40		ug/L			03/22/13 00:17	1

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-108596/7
Matrix: Water
Analysis Batch: 108596

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropyl ether	ND		10		ug/L			03/22/13 00:17	1
Isopropylbenzene	ND		1.0		ug/L			03/22/13 00:17	1
Methyl tert-butyl ether	ND		1.0		ug/L			03/22/13 00:17	1
Methylene Chloride	ND		1.0		ug/L			03/22/13 00:17	1
m-Xylene & p-Xylene	ND		2.0		ug/L			03/22/13 00:17	1
Naphthalene	ND		5.0		ug/L			03/22/13 00:17	1
n-Butylbenzene	ND		1.0		ug/L			03/22/13 00:17	1
N-Propylbenzene	ND		1.0		ug/L			03/22/13 00:17	1
o-Xylene	ND		1.0		ug/L			03/22/13 00:17	1
sec-Butylbenzene	ND		1.0		ug/L			03/22/13 00:17	1
Styrene	ND		1.0		ug/L			03/22/13 00:17	1
Tert-amyl methyl ether	ND		5.0		ug/L			03/22/13 00:17	1
Tert-butyl ethyl ether	ND		5.0		ug/L			03/22/13 00:17	1
tert-Butylbenzene	ND		1.0		ug/L			03/22/13 00:17	1
Tetrachloroethene	ND		1.0		ug/L			03/22/13 00:17	1
Tetrahydrofuran	ND		10		ug/L			03/22/13 00:17	1
Toluene	ND		1.0		ug/L			03/22/13 00:17	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			03/22/13 00:17	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			03/22/13 00:17	1
Trichloroethene	ND		1.0		ug/L			03/22/13 00:17	1
Trichlorofluoromethane	ND		1.0		ug/L			03/22/13 00:17	1
Vinyl chloride	ND		0.50		ug/L			03/22/13 00:17	1
Dibromomethane	ND		1.0		ug/L			03/22/13 00:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*03/22/13 00:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*03/22/13 00:17*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*03/22/13 00:17*	*1*

Lab Sample ID: LCS 480-108596/4
Matrix: Water
Analysis Batch: 108596

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	23.4		ug/L		94	70 - 130
1,1,1-Trichloroethane	25.0	22.3		ug/L		89	70 - 130
1,1,2,2-Tetrachloroethane	25.0	24.0		ug/L		96	70 - 130
1,1,2-Trichloroethane	25.0	23.3		ug/L		93	70 - 130
1,1-Dichloroethane	25.0	23.5		ug/L		94	70 - 130
1,1-Dichloroethene	25.0	23.2		ug/L		93	70 - 130
1,1-Dichloropropene	25.0	23.7		ug/L		95	70 - 130
1,2,3-Trichlorobenzene	25.0	24.4		ug/L		98	70 - 130
1,2,3-Trichloropropane	25.0	24.1		ug/L		96	70 - 130
1,2,4-Trichlorobenzene	25.0	25.4		ug/L		102	70 - 130
1,2,4-Trimethylbenzene	25.0	23.4		ug/L		94	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	25.0		ug/L		100	70 - 130
1,2-Dichlorobenzene	25.0	23.9		ug/L		96	70 - 130
1,2-Dichloroethane	25.0	22.9		ug/L		92	70 - 130

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-108596/4
Matrix: Water
Analysis Batch: 108596

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloropropane	25.0	23.5		ug/L		94	70 - 130
1,3,5-Trimethylbenzene	25.0	23.2		ug/L		93	70 - 130
1,3-Dichlorobenzene	25.0	23.7		ug/L		95	70 - 130
1,3-Dichloropropane	25.0	23.4		ug/L		94	70 - 130
1,4-Dichlorobenzene	25.0	23.8		ug/L		95	70 - 130
1,4-Dioxane	1000	1010		ug/L		101	70 - 130
2,2-Dichloropropane	25.0	20.8		ug/L		83	70 - 130
2-Butanone (MEK)	125	173	*	ug/L		138	70 - 130
2-Chlorotoluene	25.0	23.2		ug/L		93	70 - 130
2-Hexanone	125	115		ug/L		92	70 - 130
4-Chlorotoluene	25.0	20.7		ug/L		83	70 - 130
4-Isopropyltoluene	25.0	23.9		ug/L		96	70 - 130
4-Methyl-2-pentanone (MIBK)	125	117		ug/L		93	70 - 130
Acetone	125	117		ug/L		93	70 - 130
Benzene	25.0	23.5		ug/L		94	70 - 130
Bromobenzene	25.0	23.6		ug/L		95	70 - 130
Bromoform	25.0	24.2		ug/L		97	70 - 130
Bromomethane	25.0	21.5		ug/L		86	70 - 130
Carbon disulfide	25.0	21.3		ug/L		85	70 - 130
Carbon tetrachloride	25.0	22.4		ug/L		90	70 - 130
Chlorobenzene	25.0	23.7		ug/L		95	70 - 130
Chlorobromomethane	25.0	25.4		ug/L		102	70 - 130
Chlorodibromomethane	25.0	24.3		ug/L		97	70 - 130
Chloroethane	25.0	22.3		ug/L		89	70 - 130
Chloroform	25.0	23.3		ug/L		93	70 - 130
Chloromethane	25.0	23.3		ug/L		93	70 - 130
cis-1,2-Dichloroethene	25.0	24.5		ug/L		98	70 - 130
cis-1,3-Dichloropropene	25.0	24.4		ug/L		97	70 - 130
Dichlorobromomethane	25.0	23.6		ug/L		94	70 - 130
Dichlorodifluoromethane	50.0	53.0		ug/L		106	70 - 130
Ethyl ether	25.0	24.5		ug/L		98	70 - 130
Ethylbenzene	25.0	23.1		ug/L		92	70 - 130
Ethylene Dibromide	25.0	24.2		ug/L		97	70 - 130
Hexachlorobutadiene	25.0	23.3		ug/L		93	70 - 130
Isopropyl ether	25.0	25.2		ug/L		101	70 - 130
Isopropylbenzene	25.0	23.1		ug/L		92	70 - 130
Methyl tert-butyl ether	25.0	23.4		ug/L		94	70 - 130
Methylene Chloride	25.0	22.8		ug/L		91	70 - 130
m-Xylene & p-Xylene	50.0	47.8		ug/L		96	70 - 130
Naphthalene	25.0	24.7		ug/L		99	70 - 130
n-Butylbenzene	25.0	23.2		ug/L		93	70 - 130
N-Propylbenzene	25.0	22.8		ug/L		91	70 - 130
o-Xylene	25.0	23.8		ug/L		95	70 - 130
sec-Butylbenzene	25.0	23.3		ug/L		93	70 - 130
Styrene	25.0	23.7		ug/L		95	70 - 130
Tert-amyl methyl ether	25.0	24.7		ug/L		99	70 - 130
Tert-butyl ethyl ether	25.0	24.5		ug/L		98	70 - 130
tert-Butylbenzene	25.0	24.0		ug/L		96	70 - 130

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-108596/4
Matrix: Water
Analysis Batch: 108596

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	25.0	25.2		ug/L		101	70 - 130
Tetrahydrofuran	125	119		ug/L		95	70 - 130
Toluene	25.0	23.6		ug/L		94	70 - 130
trans-1,2-Dichloroethene	25.0	23.9		ug/L		96	70 - 130
trans-1,3-Dichloropropene	25.0	23.1		ug/L		93	70 - 130
Trichloroethene	25.0	24.1		ug/L		97	70 - 130
Trichlorofluoromethane	25.0	24.5		ug/L		98	70 - 130
Vinyl chloride	25.0	22.4		ug/L		89	70 - 130
Dibromomethane	25.0	24.3		ug/L		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 480-108596/5
Matrix: Water
Analysis Batch: 108596

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	25.0	24.6		ug/L		98	70 - 130	5	20
1,1,1-Trichloroethane	25.0	22.5		ug/L		90	70 - 130	1	20
1,1,2,2-Tetrachloroethane	25.0	23.6		ug/L		94	70 - 130	1	20
1,1,2-Trichloroethane	25.0	23.9		ug/L		96	70 - 130	2	20
1,1-Dichloroethane	25.0	22.7		ug/L		91	70 - 130	3	20
1,1-Dichloroethene	25.0	21.9		ug/L		88	70 - 130	6	20
1,1-Dichloropropene	25.0	23.5		ug/L		94	70 - 130	1	20
1,2,3-Trichlorobenzene	25.0	24.6		ug/L		98	70 - 130	1	20
1,2,3-Trichloropropane	25.0	23.9		ug/L		96	70 - 130	1	20
1,2,4-Trichlorobenzene	25.0	25.5		ug/L		102	70 - 130	1	20
1,2,4-Trimethylbenzene	25.0	23.2		ug/L		93	70 - 130	1	20
1,2-Dibromo-3-Chloropropane	25.0	22.9		ug/L		92	70 - 130	9	20
1,2-Dichlorobenzene	25.0	23.6		ug/L		95	70 - 130	1	20
1,2-Dichloroethane	25.0	22.6		ug/L		90	70 - 130	2	20
1,2-Dichloropropane	25.0	23.6		ug/L		95	70 - 130	1	20
1,3,5-Trimethylbenzene	25.0	22.6		ug/L		90	70 - 130	2	20
1,3-Dichlorobenzene	25.0	23.8		ug/L		95	70 - 130	0	20
1,3-Dichloropropane	25.0	23.0		ug/L		92	70 - 130	2	20
1,4-Dichlorobenzene	25.0	23.9		ug/L		96	70 - 130	0	20
1,4-Dioxane	1000	912		ug/L		91	70 - 130	11	20
2,2-Dichloropropane	25.0	21.9		ug/L		87	70 - 130	5	20
2-Butanone (MEK)	125	161		ug/L		128	70 - 130	7	20
2-Chlorotoluene	25.0	22.6		ug/L		90	70 - 130	3	20
2-Hexanone	125	109		ug/L		87	70 - 130	6	20
4-Chlorotoluene	25.0	20.2		ug/L		81	70 - 130	2	20
4-Isopropyltoluene	25.0	23.4		ug/L		93	70 - 130	2	20
4-Methyl-2-pentanone (MIBK)	125	111		ug/L		89	70 - 130	5	20
Acetone	125	109		ug/L		87	70 - 130	7	20

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-108596/5
Matrix: Water
Analysis Batch: 108596

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			25.0	23.2		ug/L		93	70 - 130	1	20
Bromobenzene			25.0	23.7		ug/L		95	70 - 130	0	20
Bromoform			25.0	24.2		ug/L		97	70 - 130	0	20
Bromomethane			25.0	26.3		ug/L		105	70 - 130	20	20
Carbon disulfide			25.0	21.1		ug/L		84	70 - 130	1	20
Carbon tetrachloride			25.0	22.2		ug/L		89	70 - 130	1	20
Chlorobenzene			25.0	23.4		ug/L		94	70 - 130	1	20
Chlorobromomethane			25.0	25.2		ug/L		101	70 - 130	1	20
Chlorodibromomethane			25.0	24.2		ug/L		97	70 - 130	0	20
Chloroethane			25.0	23.3		ug/L		93	70 - 130	4	20
Chloroform			25.0	22.9		ug/L		92	70 - 130	2	20
Chloromethane			25.0	23.0		ug/L		92	70 - 130	1	20
cis-1,2-Dichloroethene			25.0	23.8		ug/L		95	70 - 130	3	20
cis-1,3-Dichloropropene			25.0	24.4		ug/L		98	70 - 130	0	20
Dichlorobromomethane			25.0	23.4		ug/L		94	70 - 130	1	20
Dichlorodifluoromethane			50.0	51.8		ug/L		104	70 - 130	2	20
Ethyl ether			25.0	25.0		ug/L		100	70 - 130	2	20
Ethylbenzene			25.0	22.8		ug/L		91	70 - 130	1	20
Ethylene Dibromide			25.0	23.7		ug/L		95	70 - 130	2	20
Hexachlorobutadiene			25.0	23.5		ug/L		94	70 - 130	1	20
Isopropyl ether			25.0	24.8		ug/L		99	70 - 130	2	20
Isopropylbenzene			25.0	22.8		ug/L		91	70 - 130	1	20
Methyl tert-butyl ether			25.0	23.3		ug/L		93	70 - 130	0	20
Methylene Chloride			25.0	22.6		ug/L		90	70 - 130	1	20
m-Xylene & p-Xylene			50.0	46.2		ug/L		92	70 - 130	3	20
Naphthalene			25.0	24.0		ug/L		96	70 - 130	3	20
n-Butylbenzene			25.0	22.5		ug/L		90	70 - 130	3	20
N-Propylbenzene			25.0	22.6		ug/L		90	70 - 130	1	20
o-Xylene			25.0	23.5		ug/L		94	70 - 130	2	20
sec-Butylbenzene			25.0	23.2		ug/L		93	70 - 130	0	20
Styrene			25.0	23.3		ug/L		93	70 - 130	2	20
Tert-amyl methyl ether			25.0	24.9		ug/L		99	70 - 130	1	20
Tert-butyl ethyl ether			25.0	24.5		ug/L		98	70 - 130	0	20
tert-Butylbenzene			25.0	23.4		ug/L		94	70 - 130	2	20
Tetrachloroethene			25.0	24.5		ug/L		98	70 - 130	3	20
Tetrahydrofuran			125	114		ug/L		91	70 - 130	4	20
Toluene			25.0	22.9		ug/L		91	70 - 130	3	20
trans-1,2-Dichloroethene			25.0	24.0		ug/L		96	70 - 130	0	20
trans-1,3-Dichloropropene			25.0	23.2		ug/L		93	70 - 130	0	20
Trichloroethene			25.0	23.7		ug/L		95	70 - 130	2	20
Trichlorofluoromethane			25.0	24.0		ug/L		96	70 - 130	2	20
Vinyl chloride			25.0	22.4		ug/L		90	70 - 130	0	20
Dibromomethane			25.0	24.4		ug/L		98	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*

Method: 522 MOD - 1,4 Dioxane (GC/MS SIM)

Lab Sample ID: MB 200-53504/1-A
Matrix: Water
Analysis Batch: 53519

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 53504

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.20		ug/L		03/27/13 14:05	03/27/13 18:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8 (Surr)	*79*		*70 - 130*	*03/27/13 14:05*	*03/27/13 18:12*	*1*

Lab Sample ID: LCS 200-53504/2-A
Matrix: Water
Analysis Batch: 53519

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 53504

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane			8.00	6.67		ug/L		83	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8 (Surr)	*84*		*70 - 130*

GC/MS VOA

Analysis Batch: 108444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34637-1	MW1020-20130319-01	Total/NA	Water	8260C	
480-34637-3	MW1008-20130319-01	Total/NA	Water	8260C	
480-34637-4	MW1012-20130319-01	Total/NA	Water	8260C	
480-34637-5	MW1018-20130319-01	Total/NA	Water	8260C	
480-34637-6	MW1019B-20130319-01	Total/NA	Water	8260C	
480-34637-7	DUP-001-20130319-01	Total/NA	Water	8260C	
480-34637-8	MW1032-20130319-01	Total/NA	Water	8260C	
480-34637-9	MW-1005-20130319-01	Total/NA	Water	8260C	
LCS 480-108444/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-108444/5	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 480-108444/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 108596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34637-2	MW1017D-20130319-01	Total/NA	Water	8260C	
480-34637-5 - DL	MW1018-20130319-01	Total/NA	Water	8260C	
LCS 480-108596/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-108596/5	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 480-108596/7	Method Blank	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 53504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34637-1	MW1020-20130319-01	Total/NA	Water	3535A	
LCS 200-53504/2-A	Lab Control Sample	Total/NA	Water	3535A	
MB 200-53504/1-A	Method Blank	Total/NA	Water	3535A	

Analysis Batch: 53519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34637-1	MW1020-20130319-01	Total/NA	Water	522 MOD	53504
LCS 200-53504/2-A	Lab Control Sample	Total/NA	Water	522 MOD	53504
MB 200-53504/1-A	Method Blank	Total/NA	Water	522 MOD	53504

Client Sample ID: MW1020-20130319-01

Lab Sample ID: 480-34637-1

Date Collected: 03/19/13 12:00

Matrix: Water

Date Received: 03/20/13 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	108444	03/21/13 13:07	LH	TAL BUF
Total/NA	Prep	3535A			53504	03/27/13 14:05	JAB	TAL BUR
Total/NA	Analysis	522 MOD		1	53519	03/27/13 18:27	RJH	TAL BUR

Client Sample ID: MW1017D-20130319-01

Lab Sample ID: 480-34637-2

Date Collected: 03/19/13 14:10

Matrix: Water

Date Received: 03/20/13 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	108596	03/22/13 01:25	LH	TAL BUF

Client Sample ID: MW1008-20130319-01

Lab Sample ID: 480-34637-3

Date Collected: 03/19/13 11:45

Matrix: Water

Date Received: 03/20/13 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	108444	03/21/13 13:55	LH	TAL BUF

Client Sample ID: MW1012-20130319-01

Lab Sample ID: 480-34637-4

Date Collected: 03/19/13 10:30

Matrix: Water

Date Received: 03/20/13 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	108444	03/21/13 14:18	LH	TAL BUF

Client Sample ID: MW1018-20130319-01

Lab Sample ID: 480-34637-5

Date Collected: 03/19/13 13:40

Matrix: Water

Date Received: 03/20/13 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	108444	03/21/13 14:42	LH	TAL BUF
Total/NA	Analysis	8260C	DL	5	108596	03/22/13 01:48	LH	TAL BUF

Client Sample ID: MW1019B-20130319-01

Lab Sample ID: 480-34637-6

Date Collected: 03/19/13 13:55

Matrix: Water

Date Received: 03/20/13 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	108444	03/21/13 15:06	LH	TAL BUF

Lab Chronicle

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34637-1

Client Sample ID: DUP-001-20130319-01

Lab Sample ID: 480-34637-7

Date Collected: 03/19/13 12:12

Matrix: Water

Date Received: 03/20/13 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	108444	03/21/13 15:30	LH	TAL BUF

Client Sample ID: MW1032-20130319-01

Lab Sample ID: 480-34637-8

Date Collected: 03/19/13 10:55

Matrix: Water

Date Received: 03/20/13 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	108444	03/21/13 15:53	LH	TAL BUF

Client Sample ID: MW-1005-20130319-01

Lab Sample ID: 480-34637-9

Date Collected: 03/19/13 15:50

Matrix: Water

Date Received: 03/20/13 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	108444	03/21/13 16:17	LH	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Certification Summary

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34637-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-13
California	NELAP	9	1169CA	09-30-13
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAP	4	E87672	06-30-13
Georgia	State Program	4	N/A	03-31-13
Georgia	State Program	4	956	06-30-13
Georgia	State Program	4	956	06-30-13
Illinois	NELAP	5	200003	09-30-13
Iowa	State Program	7	374	03-01-13
Kansas	NELAP	7	E-10187	01-31-14
Kentucky	State Program	4	90029	12-31-13
Kentucky (UST)	State Program	4	30	04-01-13
Louisiana	NELAP	6	02031	06-30-13
Maine	State Program	1	NY00044	12-04-13
Maryland	State Program	3	294	03-31-13
Massachusetts	State Program	1	M-NY044	06-30-13
Michigan	State Program	5	9937	04-01-13
Minnesota	NELAP	5	036-999-337	12-31-13
New Hampshire	NELAP	1	2973	09-11-13
New Hampshire	NELAP	1	2337	11-17-13
New Jersey	NELAP	2	NY455	06-30-13
New York	NELAP	2	10026	03-31-13
North Dakota	State Program	8	R-176	03-31-13
Oklahoma	State Program	6	9421	08-31-13
Oregon	NELAP	10	NY200003	06-09-13
Pennsylvania	NELAP	3	68-00281	07-31-13
Rhode Island	State Program	1	LAO00328	12-31-13
Tennessee	State Program	4	TN02970	04-01-13
Texas	NELAP	6	T104704412-11-2	07-31-13
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-13
Washington	State Program	10	C784	02-10-14
West Virginia DEP	State Program	3	252	09-30-13
Wisconsin	State Program	5	998310390	08-31-13

Laboratory: TestAmerica Burlington

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Connecticut	State Program	1	PH-0751	09-30-13
DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	NA	02-13-15
Florida	NELAP	4	E87467	06-30-13
L-A-B	DoD ELAP		L2336	10-26-13
Louisiana	NELAP	6	176292	06-30-13
Maine	State Program	1	VT00008	04-17-13
Minnesota	NELAP	5	050-999-436	12-31-13
New Hampshire	NELAP	1	200610	12-18-13
New Jersey	NELAP	2	VT972	06-30-13
New York	NELAP	2	10391	04-01-13
Pennsylvania	NELAP	3	68-00489	04-30-13
Rhode Island	State Program	1	LAO00298	12-30-13
USDA	Federal		P330-11-00093	02-17-14

Laboratory: TestAmerica Burlington (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Vermont	State Program	1	VT-4000	12-31-13
Virginia	NELAP	3	460209	12-14-13

Method Summary

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34637-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds (GC/MS)	MA DEP	TAL BUF
522 MOD	1,4 Dioxane (GC/MS SIM)	EPA	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

MA DEP = Massachusetts Department Of Environmental Protection

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34637-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-34637-1	MW1020-20130319-01	Water	03/19/13 12:00	03/20/13 01:00
480-34637-2	MW1017D-20130319-01	Water	03/19/13 14:10	03/20/13 01:00
480-34637-3	MW1008-20130319-01	Water	03/19/13 11:45	03/20/13 01:00
480-34637-4	MW1012-20130319-01	Water	03/19/13 10:30	03/20/13 01:00
480-34637-5	MW1018-20130319-01	Water	03/19/13 13:40	03/20/13 01:00
480-34637-6	MW1019B-20130319-01	Water	03/19/13 13:55	03/20/13 01:00
480-34637-7	DUP-001-20130319-01	Water	03/19/13 12:12	03/20/13 01:00
480-34637-8	MW1032-20130319-01	Water	03/19/13 10:55	03/20/13 01:00
480-34637-9	MW-1005-20130319-01	Water	03/19/13 15:50	03/20/13 01:00

Login Sample Receipt Checklist

Client: ERM-Northeast

Job Number: 480-34637-1

Login Number: 34637
List Number: 1
Creator: Kolb, Chris M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: ERM-Northeast

Job Number: 480-34637-1

Login Number: 34637
List Number: 1
Creator: Poucher, Stephanie A

List Source: TestAmerica Burlington
List Creation: 03/21/13 02:38 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	711254
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.0ºC IR GUN ID 181. CF 0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

Boston Service Center
240 Bear Hill Rd. Suite 104
Waltham, MA 02451
Phone (781) 466-6900 Fax (781) 466-6901

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Stacey Bragg	Lab PM:	Carrier Tracking No(s):	COC No: 22856
Client Contact: Jason Flattery	Phone: 978-875-0426	E-Mail:		Page: 1/
Company: ERM				Job #: 480-34637

Address: 1 Beacon St, 5th Floor	Due Date Requested:
City: Boston	TAT Requested (days):
State, Zip: MA 02108	
Phone: 1-617-447-0757	Quote #:
Email: Jason.Flattery@erm.com	PO #:
Project Name/number: Raytheon Wayland 0167058	WO #:
Site: Wayland	SSOW#:

Analysis Requested

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; H - Ascorbic Acid; I - Ice; J - DI Water; M - Hexane; N - None; P - Na2O4S; Q - Na2SO3; R - Na2S2SO3; S - H2SO4; Z - other (specify)

Regulatory programs:
MCP [X] GW1/S1 [ ]
RCP [ ] CT RSR [ ]
DEP Form [ ] EDD Required [ ]

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Sampler's Initials	Field Filtered Sample?	Perform MS/MSD?	8260MCP	8260B-SIM 1,4-Dioxane	522 Mod 1,4-Dioxane	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
MW1020-20130319-01	3/19/13	12:00		W	SD			3	2	1	6	
MW1017D-20130319-01	3/19/13	14:10		W	SD			3			3	
MW1008-20130319-01	3/19/13	11:45		W	CC			3			3	
MW1012-20130319-01	3/19/13	10:30		W	CC			3			3	
MW1018-20130319-01	3/19/13	13:40		W	CC			3			3	
MW-1019B-20130319-01	3/19/13	13:55		W	BM			3			3	
PUF-001-20130319-01	3/19/13	12:12		W	DM			3			3	
MW-1032-20130319-01	3/19/13	10:55		W	BM			3			3	
MW1005-20130319-01	3/19/13	15:50		W	BM			3			3	

Possible Hazard Identification
[X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [ ] Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
[ ] Return To Client [X] Disposal By Lab [ ] Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Relinquished by:	Date/Time: 3/19/13 3:50	Company: ERM	Received by:	Date/Time: 3/19/13 3:50	Company: TAL
Relinquished by:	Date/Time: 3/19/13 1630	Company: TAL	Received by:	Date/Time: 03/20/13 0100	Company: TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: temp 2.4 ICE#

TAL-8245-360 1111

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-34733-1
Client Project/Site: IDS Wayland

For:
ERM-Northeast
One Beacon Steet
5th Floor
Boston, Massachusetts 02108

Attn: Jason Flattery

Authorized for release by:
3/29/2013 4:56:14 PM
Ryan VanDette
Project Manager I
ryan.vandette@testamericainc.com

Designee for

Becky Mason
Project Manager II
becky.mason@testamericainc.com

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34733-1

Job ID: 480-34733-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-34733-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

TestAmerica's Reporting Limits (RLs) for this report may not always meet client specified method reporting limits due to various reasons such as methodology, dilutions, matrix or moisture content (soils). TestAmerica's pivot table EDD documents which compound(s) exceed certain regulatory standards. If not included with your deliverables, please contact your Project Manager about the availability of this EDD for your report.

Comments
No additional comments.

Receipt
The samples were received on 3/21/2013 1:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.3º C.

Note: All samples that require thermal preservation are considered acceptable if the arrival temperature is within the method's specified temperature range or for general analysis, ranging from 6°C to just above the freezing temperature of water. Samples that are hand delivered, immediately following collection, may not meet these criteria; however, they will be considered acceptable according to NELAC and State standards, if there is evidence that the chilling process has begun, such as stored and transported to the laboratory on ice.

Except:

Sample was received with the container lid cracked. Volume was not compromised.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) for Bromomethane associated with batch 108441 recovered above the MCP upper control limit. MCP protocol allows for 20% of the target compounds to be outside the 20% difference but not over 40% difference.

Method(s) 8260C: The continuing calibration verification (CCV) for Ethyl ether and Isopropyl ether associated with batch 108441 recovered above the MCP upper control limit. MCP protocol allows for 20% of the target compounds to be outside the 20% difference but not over 40% difference.

Method(s) 8260, 8260C: The laboratory control sample (LCS) and / or the laboratory control sample duplicate (LCSD) for batch 108444 exceeded control limits for the following analyte: 2-Butanone (MEK). MCP/RCP protocol allows for 10% of the target compounds to be outside of the limits provided the recoveries are over 10%.

Method(s) 8260C: The following sample submitted for volatiles analysis was received with insufficient preservation (pH >2): MW1010M-20130320-01 (480-34733-1).

Method(s) 8260C: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: MW1025M-20130320-01 (480-34733-6). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The laboratory control sample (LCS) and / or the laboratory control sample duplicate (LCSD) for batch 108596

Job ID: 480-34733-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

exceeded control limits for the following analytes: 2-Butanone. This is due to the coelution with Ethyl Acetate in the mega mix spike solution.

No other analytical or quality issues were noted.

GC/MS Semi VOA
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

MassDEP Analytical Protocol Certification Form

Laboratory Name: **TestAmerica Buffalo** Project #: **480-34733**

Project Location: **IDS Wayland** RTN:

This form provides certifications for the following data set: list Laboratory Sample ID Number(s):

Matrices: [X] Groundwater/Surface Water [ ] Soil/Sediment [ ] Drinking Water [ ] Air [ ] Other:

CAM Protocols (check all that apply below):

8260 VOC CAM II A [X]	7470/7471 Hg CAM III B [ ]	Mass DEP VPH CAM IV A [ ]	8081 Pesticides CAM V B [ ]	7196 Hex Cr CAM VI B [ ]	Mass DEP APH CAM IX A [ ]
8270 SVOC CAM II B [ ]	7010 Metals CAM III C [ ]	Mass DEP EPH CAM IV B [ ]	8151 Herbicides CAM V C [ ]	8330 Explosives CAM VIII A [ ]	TO-15 VOC CAM IX B [ ]
6010 Metals CAM III A [ ]	6020 Metals CAM III D [ ]	8082 PCB CAM V A [ ]	9014 Total Cyanide/PAC CAM VI A [ ]	6860 Perchlorate CAM VIII B [ ]	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding time.	[X] Yes [ ] No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	[X] Yes [ ] No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	[X] Yes [ ] No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	[X] Yes [ ] No
E	a. VPH, EPH and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	[ ] Yes [ ] No [ ] Yes [ ] No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	[X] Yes [ ] No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

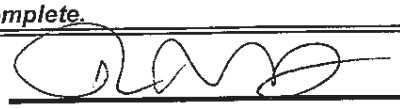
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	[ ] Yes [X] No[1]

***Data User Note:* Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WCS-07-350**

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	[ ] Yes [X] No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s) ?	[X] Yes [ ] No[1]

[1] All negative responses must be addressed in an attached laboratory narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, is accurate and complete.

Signature:  Position: Project Manager

Printed Name: Ryan VanDette Date: 3/29/2013 16:07:00 PM

Detection Summary

1 Qel t: nER-MortNeast
hroRectj/ ite: ID/ S aWQal y

TestAmerica Job ID: 480-34633-7

Client Sample ID: MW1010M-20130320-01 — Lab Sample ID: 480-34733-1

Mo Detectiol sd

Client Sample ID: MW1010D-20130320-01 — Lab Sample ID: 480-34733-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-7,. -DicNQroetNel e	7d7		7d0		ugjL	7		8. 201	TotaQMA
TricNQroetNel e	6d7		7d0		ugjL	7		8. 201	TotaQMA

Client Sample ID: MW1006-20130320-01 — Lab Sample ID: 480-34733-3

Mo Detectiol sd

Client Sample ID: MW1030-20130320-01 — Lab Sample ID: 480-34733-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
7,7,7-TricNQroetNal e	4d7		7d0		ugjL	7		8. 201	TotaQMA
7,7-DicNQroetNel e	. d4		7d0		ugjL	7		8. 201	TotaQMA
RetNWQtert-butWQetNer	7.		7d0		ugjL	7		8. 201	TotaQMA
TricNQroetNel e	. 3		7d0		ugjL	7		8. 201	TotaQMA

Client Sample ID: MW1015D-20130320-01 — Lab Sample ID: 480-34733-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1 NQroxorm	7d5		7d0		ugjL	7		8. 201	TotaQMA
cis-7,. -DicNQroetNel e	. d0		7d0		ugjL	7		8. 201	TotaQMA
TetracNQroetNel e	3d4		7d0		ugjL	7		8. 201	TotaQMA
TricNQroetNel e	34		7d0		ugjL	7		8. 201	TotaQMA

Client Sample ID: MW1025M-20130320-01 — Lab Sample ID: 480-34733-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
7,4-DioQal e	2d7		7d2		ugjL	7		8. 209 / IR	TotaQMA
7,7,7-TricNQroetNal e	74		7d0		ugjL	7		8. 201	TotaQMA
7,7-DicNQroetNal e	4d5		7d0		ugjL	7		8. 201	TotaQMA
7,7-DicNQroetNel e	2d2		7d0		ugjL	7		8. 201	TotaQMA
cis-7,. -DicNQroetNel e	. d4		7d0		ugjL	7		8. 201	TotaQMA
RetNWQtert-butWQetNer	. 3		7d0		ugjL	7		8. 201	TotaQMA
TricNQroetNel e - DL	760		4d0		ugjL	4		8. 201	TotaQMA

Client Sample ID: MW1022-20130320-01 — Lab Sample ID: 480-34733-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-7,. -DicNQroetNel e	7d0		7d0		ugjL	7		8. 201	TotaQMA
TricNQroetNel e	. d6		7d0		ugjL	7		8. 201	TotaQMA

Client Sample ID: MW1023-20130320-01 — Lab Sample ID: 480-34733-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-7,. -DicNQroetNel e	2d2		7d0		ugjL	7		8. 201	TotaQMA
TricNQroetNel e	38		7d0		ugjL	7		8. 201	TotaQMA
7,4-DioQal e	0d25		0d 0		ugjL	7		5. . RBD	TotaQMA

TNs Detectiol / ummarWyoes l ot il cQye rayiocNemicaQest resuQsd

Client Sample ID: DUP003-20130320-01 — Lab Sample ID: 480-34733-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-7,. -DicNQroetNel e	7d7		7d0		ugjL	7		8. 201	TotaQMA
TricNQroetNel e	. df		7d0		ugjL	7		8. 201	TotaQMA

Client Sample ID: MW1033-20130320-01 — Lab Sample ID: 480-34733-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
7,4-DioCal e	4d6		7d2		ugjL	7		8. 209 / IR	TotaQMA
7,7-DicNQroetNel e	7d5		7d0		ugjL	7		8. 201	TotaQMA
cis-7,. -DicNQroetNel e	7d8		7d0		ugjL	7		8. 201	TotaQMA
TricNQroetNel e	74		7d0		ugjL	7		8. 201	TotaQMA
7,4-DioCal e	3d4		0d 0		ugjL	7		5. . RBD	TotaQMA

Client Sample ID: MW1034-20130320-01 — Lab Sample ID: 480-34733-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-7,. -DicNQroetNel e	72		7d0		ugjL	7		8. 201	TotaQMA
TricNQroetNel e	3f		7d0		ugjL	7		8. 201	TotaQMA
7,4-DioCal e	0d5f		0d 0		ugjL	7		5. . RBD	TotaQMA

Client Sample ID: DUP002-20130320-01 — Lab Sample ID: 480-34733-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
7,7-DicNQroetNel e	7d4		7d0		ugjL	7		8. 201	TotaQMA
cis-7,. -DicNQroetNel e	7d8		7d0		ugjL	7		8. 201	TotaQMA
TricNQroetNel e	73		7d0		ugjL	7		8. 201	TotaQMA

Client Sample ID: MW1028-20130320-01 — Lab Sample ID: 480-34733-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-7,. -DicNQroetNel e	7d2		7d0		ugjL	7		8. 201	TotaQMA
TricNQroetNel e	2d8		7d0		ugjL	7		8. 201	TotaQMA

Client Sample ID: MW1027-20130320-01 — Lab Sample ID: 480-34733-14

Mo Detectiol sd

Client Sample ID: TB001-20130320-01 — Lab Sample ID: 480-34733-15

Mo Detectiol sd

TNs Detectiol / ummarWyoes I ot il cQye rayiocNemicaQest resuQsd

Client Sample ID: 1 M70701 -W07303W0-07

Lab Sample ID: 480-34633-7

Date Cr llexteo: 03dW0c73 77:30

1 at29: Mate2

Date Rexeideo: 03dW7c73 06:W4

1 et/ r o: 8WW0C - hr latile V2Oanix Cr mpr unos g(Ccl SG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z2epa2eo	) nalAFeo	Dil yax
7d7d7d -TetracNQroetNal e	MD		720		. ujg			03j, 7j73 7L:47	7
7d7d7-TricNQroetNal e	MD		720		. ujg			03j, 7j73 7L:47	7
7d7d d -TetracNQroetNal e	MD		0250		. ujg			03j, 7j73 7L:47	7
7d7d -TricNQroetNal e	MD		720		. ujg			03j, 7j73 7L:47	7
7d7-DicNQroetNal e	MD		720		. ujg			03j, 7j73 7L:47	7
7d7-DicNQroetNel e	MD		720		. ujg			03j, 7j73 7L:47	7
7d7-DicNQro9ro9el e	MD		720		. ujg			03j, 7j73 7L:47	7
7d d8-TricNQrobel pel e	MD		720		. ujg			03j, 7j73 7L:47	7
7d d8-TricNQro9ro9al e	MD		720		. ujg			03j, 7j73 7L:47	7
7d d4-TricNQrobel pel e	MD		720		. ujg			03j, 7j73 7L:47	7
7d d4-TrimetNW0el pel e	MD		720		. ujg			03j, 7j73 7L:47	7
7d -Dibromo-3-1 NQro9ro9al e	MD		520		. ujg			03j, 7j73 7L:47	7
7d -DicNQrobel pel e	MD		720		. ujg			03j, 7j73 7L:47	7
7d -DicNQroetNal e	MD		720		. ujg			03j, 7j73 7L:47	7
7d -DicNQro9ro9al e	MD		720		. ujg			03j, 7j73 7L:47	7
7d8d5-TrimetNW0el pel e	MD		720		. ujg			03j, 7j73 7L:47	7
7d8-DicNQrobel pel e	MD		720		. ujg			03j, 7j73 7L:47	7
7d8-DicNQro9ro9al e	MD		720		. ujg			03j, 7j73 7L:47	7
7d4-DicNQrobel pel e	MD		720		. ujg			03j, 7j73 7L:47	7
7d4-Diozal e	MD		50		. ujg			03j, 7j73 7L:47	7
, d -DicNQro9ro9al e	MD		720		. ujg			03j, 7j73 7L:47	7
, -x. tal ol e BRn(K	MD	)	70		. ujg			03j, 7j73 7L:47	7
, -1 NQrotoCel e	MD		720		. ujg			03j, 7j73 7L:47	7
, -Hezal ol e	MD		70		. ujg			03j, 7j73 7L:47	7
4-1 NQrotoCel e	MD		720		. ujg			03j, 7j73 7L:47	7
4-Iso9ro9WQoCel e	MD		720		. ujg			03j, 7j73 7L:47	7
4-RetNWC, -9el tal ol e BRIx(K	MD		70		. ujg			03j, 7j73 7L:47	7
Acetol e	MD		50		. ujg			03j, 7j73 7L:47	7
xel pel e	MD		720		. ujg			03j, 7j73 7L:47	7
xromobel pel e	MD		720		. ujg			03j, 7j73 7L:47	7
xromoform	MD		720		. ujg			03j, 7j73 7L:47	7
xromometNal e	MD		, 20		. ujg			03j, 7j73 7L:47	7
1 arbol yis. tiye	MD		70		. ujg			03j, 7j73 7L:47	7
1 arbol tetracNQriye	MD		720		. ujg			03j, 7j73 7L:47	7
1 NQrobel pel e	MD		720		. ujg			03j, 7j73 7L:47	7
1 NQrobromometNal e	MD		720		. ujg			03j, 7j73 7L:47	7
1 NQroyibromometNal e	MD		0250		. ujg			03j, 7j73 7L:47	7
1 NQroetNal e	MD		, 20		. ujg			03j, 7j73 7L:47	7
1 NQroform	MD		720		. ujg			03j, 7j73 7L:47	7
1 NQrometNal e	MD		, 20		. ujg			03j, 7j73 7L:47	7
cis-7d -DicNQroetNel e	MD		720		. ujg			03j, 7j73 7L:47	7
cis-7d8-DicNQro9ro9el e	MD		0240		. ujg			03j, 7j73 7L:47	7
DicNQrobromometNal e	MD		0250		. ujg			03j, 7j73 7L:47	7
DicNQroyifCorometNal e	MD		720		. ujg			03j, 7j73 7L:47	7
ntNW0etNer	MD		720		. ujg			03j, 7j73 7L:47	7
ntNW0el pel e	MD		720		. ujg			03j, 7j73 7L:47	7
ntNW0l e Dibromiye	MD		720		. ujg			03j, 7j73 7L:47	7
HezacNQrob. tayiel e	MD		0240		. ujg			03j, 7j73 7L:47	7
Iso9ro9WQetNer	MD		70		. ujg			03j, 7j73 7L:47	7

Client Sample ID: 1 M70701 -W07303W0-07

Lab Sample ID: 480-34633-7

Date Cr llexteo: 03dW0c73 77:30

1 at29: Mate2

Date Rexeideo: 03dW7c73 06:W4

1 et/ r o: 8WW0C - hr latile V2Oanix Cr mpr unos g(Cc1 SGgCr ntinueoG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z2epa2eo	) nalAFeo	Dil yax
Iso9ro9WQel pel e	MD		720		. ujg			03j, 7j73 7L:47	7
RetNWQtert-b. tWQetNer	MD		720		. ujg			03j, 7j73 7L:47	7
RetNWQel e 1 NQriye	MD		720		. ujg			03j, 7j73 7L:47	7
m-XWQel e & 9-XWQel e	MD		, 20		. ujg			03j, 7j73 7L:47	7
Ma9NtNaQel e	MD		520		. ujg			03j, 7j73 7L:47	7
l -x . tWQel pel e	MD		720		. ujg			03j, 7j73 7L:47	7
M-hro9WQel pel e	MD		720		. ujg			03j, 7j73 7L:47	7
o-XWQel e	MD		720		. ujg			03j, 7j73 7L:47	7
sec-x . tWQel pel e	MD		720		. ujg			03j, 7j73 7L:47	7
/ tWel e	MD		720		. ujg			03j, 7j73 7L:47	7
Tert-amWQmetNWQetNer	MD		520		. ujg			03j, 7j73 7L:47	7
Tert-b. tWQetNWQetNer	MD		520		. ujg			03j, 7j73 7L:47	7
tert-x . tWQel pel e	MD		720		. ujg			03j, 7j73 7L:47	7
TetracNQroetNel e	MD		720		. ujg			03j, 7j73 7L:47	7
TetraNWyrof. ral	MD		70		. ujg			03j, 7j73 7L:47	7
ToCel e	MD		720		. ujg			03j, 7j73 7L:47	7
tral s-7d -DicNQroetNel e	MD		720		. ujg			03j, 7j73 7L:47	7
tral s-7d8-DicNQro9ro9el e	MD		0240		. ujg			03j, 7j73 7L:47	7
TricNQroetNel e	MD		720		. ujg			03j, 7j73 7L:47	7
TricNQrofCorometNal e	MD		720		. ujg			03j, 7j73 7L:47	7
Vil WQcNQriye	MD		0250		. ujg			03j, 7j73 7L:47	7
DibromometNal e	MD		720		. ujg			03j, 7j73 7L:47	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*03/21/13 16:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*03/21/13 16:41*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*03/21/13 16:41*	*1*

Client Sample ID: 1 M7070D-W07303W0-07

Lab Sample ID: 480-34633-W

Date Cr llexteo: 03dW0c73 7W4f

1 at29: Mate2

Date Rexeideo: 03dW7c73 06:W4

1 et/ r o: 8WW0C - hr latile V2Oanix Cr mpr unos g(Cc1 SG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z2epa2eo	) nalAFeo	Dil yax
7d7d7d -TetracNQroetNal e	MD		720		. ujg			03j, 7j73 76:05	7
7d7d7-TricNQroetNal e	MD		720		. ujg			03j, 7j73 76:05	7
7d7d d -TetracNQroetNal e	MD		0250		. ujg			03j, 7j73 76:05	7
7d7d -TricNQroetNal e	MD		720		. ujg			03j, 7j73 76:05	7
7d7-DicNQroetNal e	MD		720		. ujg			03j, 7j73 76:05	7
7d7-DicNQroetNel e	MD		720		. ujg			03j, 7j73 76:05	7
7d7-DicNQro9ro9el e	MD		720		. ujg			03j, 7j73 76:05	7
7d d8-TricNQrobel pel e	MD		720		. ujg			03j, 7j73 76:05	7
7d d8-TricNQro9ro9al e	MD		720		. ujg			03j, 7j73 76:05	7
7d d4-TricNQrobel pel e	MD		720		. ujg			03j, 7j73 76:05	7
7d d4-TrimetNWQel pel e	MD		720		. ujg			03j, 7j73 76:05	7
7d -Dibromo-3-1 NQro9ro9al e	MD		520		. ujg			03j, 7j73 76:05	7
7d -DicNQrobel pel e	MD		720		. ujg			03j, 7j73 76:05	7
7d -DicNQroetNal e	MD		720		. ujg			03j, 7j73 76:05	7
7d -DicNQro9ro9al e	MD		720		. ujg			03j, 7j73 76:05	7
7d8d5-TrimetNWQel pel e	MD		720		. ujg			03j, 7j73 76:05	7

Client Sample ID: 1 M7070D-W07303W0-07

Date Cr llexteo: 03dW0c73 7W4f
Date Rexeideo: 03dW7c73 06:W4

Lab Sample ID: 480-34633-W

1 at29: Mate2

1 et/ r o: 8W0C - hr latile V2Oanix Cr mpr unos g(Cc1 SGgCr ntinueoG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z 2epa2eo	) nalAFeo	Dil yax
7c8-DicNCorobel pel e	MD		720		. ujg			03j, 7j73 76:05	7
7c8-DicNCoro9ro9al e	MD		720		. ujg			03j, 7j73 76:05	7
7c4-DicNCorobel pel e	MD		720		. ujg			03j, 7j73 76:05	7
7c4-Diozal e	MD		50		. ujg			03j, 7j73 76:05	7
, d -DicNCoro9ro9al e	MD		720		. ujg			03j, 7j73 76:05	7
, -x . tal ol e BRn (K	MD	)	70		. ujg			03j, 7j73 76:05	7
, -1 NCorotoCel e	MD		720		. ujg			03j, 7j73 76:05	7
, -Hezal ol e	MD		70		. ujg			03j, 7j73 76:05	7
4-1 NCorotoCel e	MD		720		. ujg			03j, 7j73 76:05	7
4-Iso9ro9WCoCel e	MD		720		. ujg			03j, 7j73 76:05	7
4-RetNWC, -9el tal ol e BRIx (K	MD		70		. ujg			03j, 7j73 76:05	7
Acetol e	MD		50		. ujg			03j, 7j73 76:05	7
xel pel e	MD		720		. ujg			03j, 7j73 76:05	7
xromobel pel e	MD		720		. ujg			03j, 7j73 76:05	7
xromoform	MD		720		. ujg			03j, 7j73 76:05	7
xromometNal e	MD		, 20		. ujg			03j, 7j73 76:05	7
1 arbol yis. Cbye	MD		70		. ujg			03j, 7j73 76:05	7
1 arbol tetracNCoriye	MD		720		. ujg			03j, 7j73 76:05	7
1 NCorobel pel e	MD		720		. ujg			03j, 7j73 76:05	7
1 NCorobromometNal e	MD		720		. ujg			03j, 7j73 76:05	7
1 NCoroyibromometNal e	MD		0250		. ujg			03j, 7j73 76:05	7
1 NCoroetNal e	MD		, 20		. ujg			03j, 7j73 76:05	7
1 NCoroform	MD		720		. ujg			03j, 7j73 76:05	7
1 NCoromometNal e	MD		, 20		. ujg			03j, 7j73 76:05	7
xis-7,WDix/ lr 2r et/ ene	**777**		720		. ujg			03j, 7j73 76:05	7
cis-7c8-DicNCoro9ro9el e	MD		0240		. ujg			03j, 7j73 76:05	7
DicNCorobromometNal e	MD		0250		. ujg			03j, 7j73 76:05	7
DicNCoroyifCorometNal e	MD		720		. ujg			03j, 7j73 76:05	7
ntNWCetNer	MD		720		. ujg			03j, 7j73 76:05	7
ntNWCel pel e	MD		720		. ujg			03j, 7j73 76:05	7
ntNWCl e Dibromiye	MD		720		. ujg			03j, 7j73 76:05	7
HezacNCorob. tayiel e	MD		0240		. ujg			03j, 7j73 76:05	7
Iso9ro9WCetNer	MD		70		. ujg			03j, 7j73 76:05	7
Iso9ro9WCel pel e	MD		720		. ujg			03j, 7j73 76:05	7
RetNWCtert-b. tWCetNer	MD		720		. ujg			03j, 7j73 76:05	7
RetNWCl e 1 NCoriye	MD		720		. ujg			03j, 7j73 76:05	7
m-XWCl e & 9-XWCl e	MD		, 20		. ujg			03j, 7j73 76:05	7
Ma9NtNaCl e	MD		520		. ujg			03j, 7j73 76:05	7
l -x . tWCel pel e	MD		720		. ujg			03j, 7j73 76:05	7
M-hro9WCel pel e	MD		720		. ujg			03j, 7j73 76:05	7
o-XWCl e	MD		720		. ujg			03j, 7j73 76:05	7
sec-x . tWCel pel e	MD		720		. ujg			03j, 7j73 76:05	7
/ tWel e	MD		720		. ujg			03j, 7j73 76:05	7
Tert-amWCmetNWCetNer	MD		520		. ujg			03j, 7j73 76:05	7
Tert-b. tWCetNWCetNer	MD		520		. ujg			03j, 7j73 76:05	7
tert-x . tWCel pel e	MD		720		. ujg			03j, 7j73 76:05	7
TetracNCoroetNel e	MD		720		. ujg			03j, 7j73 76:05	7
TetraNyrof. ral	MD		70		. ujg			03j, 7j73 76:05	7
ToCel e	MD		720		. ujg			03j, 7j73 76:05	7

Client Sample ID: 1 M7070D-W07303W0-07

Lab Sample ID: 480-34633-W

Date Cr llexteo: 03dW0c73 7W4f

1 at2i9: Mate2

Date Rexeideo: 03dW7c73 06:W4

1 et/ r o: 8WW0C - hr latile V2Oanix Cr mpr unos g(Cc1 SGgCr ntinueoG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z2epa2eo	) nalAFeo	Dil yax
tral s-7d -DicNCroetNel e	MD		720		. ujg			03j, 7j73 76:05	7
tral s-7d3-DicNCro9ro9el e	MD		0240		. ujg			03j, 7j73 76:05	7
. 2ix/ Ir 2r et/ ene	617		720		. ujg			03j, 7j73 76:05	7
TricNCrofCorometNal e	MD		720		. ujg			03j, 7j73 76:05	7
Vil WCcNCriye	MD		0250		. ujg			03j, 7j73 76:05	7
DibromometNal e	MD		720		. ujg			03j, 7j73 76:05	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*70 - 130*		*03/21/13 17:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*03/21/13 17:05*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*03/21/13 17:05*	*1*

Client Sample ID: 1 M700v-W07303W0-07

Lab Sample ID: 480-34633-3

Date Cr llexteo: 03dW0c73 74:00

1 at2i9: Mate2

Date Rexeideo: 03dW7c73 06:W4

1 et/ r o: 8WW0C - hr latile V2Oanix Cr mpr unos g(Cc1 SG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z2epa2eo	) nalAFeo	Dil yax
7d7d7d -TetracNCroetNal e	MD		720		. ujg			03j, 7j73 76:, *	7
7d7d7 -TricNCroetNal e	MD		720		. ujg			03j, 7j73 76:, *	7
7d7d d -TetracNCroetNal e	MD		0250		. ujg			03j, 7j73 76:, *	7
7d7d -TricNCroetNal e	MD		720		. ujg			03j, 7j73 76:, *	7
7d7-DicNCroetNal e	MD		720		. ujg			03j, 7j73 76:, *	7
7d7-DicNCroetNel e	MD		720		. ujg			03j, 7j73 76:, *	7
7d7-DicNCro9ro9el e	MD		720		. ujg			03j, 7j73 76:, *	7
7d d3-TricNCrobel pel e	MD		720		. ujg			03j, 7j73 76:, *	7
7d d3-TricNCro9ro9al e	MD		720		. ujg			03j, 7j73 76:, *	7
7d d4-TricNCrobel pel e	MD		720		. ujg			03j, 7j73 76:, *	7
7d d4-TrimetNWCel pel e	MD		720		. ujg			03j, 7j73 76:, *	7
7d -Dibromo-3-1 NCro9ro9al e	MD		520		. ujg			03j, 7j73 76:, *	7
7d -DicNCrobel pel e	MD		720		. ujg			03j, 7j73 76:, *	7
7d -DicNCroetNal e	MD		720		. ujg			03j, 7j73 76:, *	7
7d -DicNCro9ro9al e	MD		720		. ujg			03j, 7j73 76:, *	7
7d3d5-TrimetNWCel pel e	MD		720		. ujg			03j, 7j73 76:, *	7
7d3-DicNCrobel pel e	MD		720		. ujg			03j, 7j73 76:, *	7
7d3-DicNCro9ro9al e	MD		720		. ujg			03j, 7j73 76:, *	7
7d4-DicNCrobel pel e	MD		720		. ujg			03j, 7j73 76:, *	7
7d4-Diozal e	MD		50		. ujg			03j, 7j73 76:, *	7
, d -DicNCro9ro9al e	MD		720		. ujg			03j, 7j73 76:, *	7
, -x . tal ol e BRn(K	MD	)	70		. ujg			03j, 7j73 76:, *	7
, -1 NCrotoCel e	MD		720		. ujg			03j, 7j73 76:, *	7
, -Hezal ol e	MD		70		. ujg			03j, 7j73 76:, *	7
4-1 NCrotoCel e	MD		720		. ujg			03j, 7j73 76:, *	7
4-Iso9ro9WCoCel e	MD		720		. ujg			03j, 7j73 76:, *	7
4-RetNWC, -9el tal ol e BRIx(K	MD		70		. ujg			03j, 7j73 76:, *	7
Acetol e	MD		50		. ujg			03j, 7j73 76:, *	7
xel pel e	MD		720		. ujg			03j, 7j73 76:, *	7
xromobel pel e	MD		720		. ujg			03j, 7j73 76:, *	7
xromoform	MD		720		. ujg			03j, 7j73 76:, *	7
xromometNal e	MD		, 20		. ujg			03j, 7j73 76:, *	7

Client Sample ID: 1 M700v-W07303W0-07

Date Cr llexteo: 03dW0c73 74:00
Date Rexeideo: 03dW7c73 06:W4

Lab Sample ID: 480-34633-3

1 at29: Mate2

1 et/ r o: 8WW0C - hr latile V2Oanix Cr mpr unos g(Cc1 SGgCr ntinueoG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z 2epa2eo	) nalAFeo	Dil yax
1 arbol yis. Qlye	MD		70		. ujg			03j, 7j73 76:, *	7
1 arbol tetracNQriye	MD		720		. ujg			03j, 7j73 76:, *	7
1 NQrobel pel e	MD		720		. ujg			03j, 7j73 76:, *	7
1 NQrobromometNal e	MD		720		. ujg			03j, 7j73 76:, *	7
1 NQroyibromometNal e	MD		0250		. ujg			03j, 7j73 76:, *	7
1 NQroetNal e	MD		, 20		. ujg			03j, 7j73 76:, *	7
1 NQroform	MD		720		. ujg			03j, 7j73 76:, *	7
1 NQromet Nal e	MD		, 20		. ujg			03j, 7j73 76:, *	7
cis-7d -DicNQroetNel e	MD		720		. ujg			03j, 7j73 76:, *	7
cis-7d3-DicNQro9ro9el e	MD		0240		. ujg			03j, 7j73 76:, *	7
DicNQrobromometNal e	MD		0250		. ujg			03j, 7j73 76:, *	7
DicNQroyifCorometNal e	MD		720		. ujg			03j, 7j73 76:, *	7
ntNWQetNer	MD		720		. ujg			03j, 7j73 76:, *	7
ntNWQel pel e	MD		720		. ujg			03j, 7j73 76:, *	7
ntNWQl e Dibromiye	MD		720		. ujg			03j, 7j73 76:, *	7
HezacNQrob. tayiel e	MD		0240		. ujg			03j, 7j73 76:, *	7
Iso9ro9WQetNer	MD		70		. ujg			03j, 7j73 76:, *	7
Iso9ro9WQel pel e	MD		720		. ujg			03j, 7j73 76:, *	7
RetNWQtert-b. tWQetNer	MD		720		. ujg			03j, 7j73 76:, *	7
RetNWQl e 1 NQriye	MD		720		. ujg			03j, 7j73 76:, *	7
m-XWQl e & 9-XWQl e	MD		, 20		. ujg			03j, 7j73 76:, *	7
Ma9NtNaQl e	MD		520		. ujg			03j, 7j73 76:, *	7
l -x . tWQel pel e	MD		720		. ujg			03j, 7j73 76:, *	7
M-hro9WQel pel e	MD		720		. ujg			03j, 7j73 76:, *	7
o-XWQl e	MD		720		. ujg			03j, 7j73 76:, *	7
sec-x . tWQel pel e	MD		720		. ujg			03j, 7j73 76:, *	7
/ tWel e	MD		720		. ujg			03j, 7j73 76:, *	7
Tert-amWQmetNWQetNer	MD		520		. ujg			03j, 7j73 76:, *	7
Tert-b. tWQetNWQetNer	MD		520		. ujg			03j, 7j73 76:, *	7
tert-x . tWQel pel e	MD		720		. ujg			03j, 7j73 76:, *	7
TetracNQroetNel e	MD		720		. ujg			03j, 7j73 76:, *	7
TetraNWyrof. ral	MD		70		. ujg			03j, 7j73 76:, *	7
ToCel e	MD		720		. ujg			03j, 7j73 76:, *	7
tral s-7d -DicNQroetNel e	MD		720		. ujg			03j, 7j73 76:, *	7
tral s-7d3-DicNQro9ro9el e	MD		0240		. ujg			03j, 7j73 76:, *	7
TricNQroetNel e	MD		720		. ujg			03j, 7j73 76:, *	7
TricNQrofCorometNal e	MD		720		. ujg			03j, 7j73 76:, *	7
Vil WQcNQriye	MD		0250		. ujg			03j, 7j73 76:, *	7
DibromometNal e	MD		720		. ujg			03j, 7j73 76:, *	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*70 - 130*		*03/21/13 17:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*		*03/21/13 17:29*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*03/21/13 17:29*	*1*

Client Sample ID: 1 M7030-W07303W0-07

Date Cr llexteo: 03dW0c73 7f:00
Date Rexeideo: 03dW7c73 06:W4

Lab Sample ID: 480-34633-4

1 at29: Mate2

1 et/ r o: 8WW0C - hr latile V2Oanix Cr mpr unos g(Cc1 SG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z 2epa2eo	) nalAFeo	Dil yax
7d7d7d -TetracNQroetNal e	MD		720		. ujg			03j, 7j73 76:5,	7
7,7,7-. 2x/ lr 2r et/ ane	**47**		720		. ujg			03j, 7j73 76:5,	7
7d7d d -TetracNQroetNal e	MD		0250		. ujg			03j, 7j73 76:5,	7
7d7d -TricNQroetNal e	MD		720		. ujg			03j, 7j73 76:5,	7
7d7-DicNQroetNal e	MD		720		. ujg			03j, 7j73 76:5,	7
7,7-Dix/ lr 2r et/ ene	**W4**		720		. ujg			03j, 7j73 76:5,	7
7d7-DicNQro9ro9el e	MD		720		. ujg			03j, 7j73 76:5,	7
7d d8-TricNQrobel pel e	MD		720		. ujg			03j, 7j73 76:5,	7
7d d8-TricNQro9ro9al e	MD		720		. ujg			03j, 7j73 76:5,	7
7d d4-TricNQrobel pel e	MD		720		. ujg			03j, 7j73 76:5,	7
7d d4-TrimetNW0el pel e	MD		720		. ujg			03j, 7j73 76:5,	7
7d -Dibromo-3-1 NQro9ro9al e	MD		520		. ujg			03j, 7j73 76:5,	7
7d -DicNQrobel pel e	MD		720		. ujg			03j, 7j73 76:5,	7
7d -DicNQroetNal e	MD		720		. ujg			03j, 7j73 76:5,	7
7d -DicNQro9ro9al e	MD		720		. ujg			03j, 7j73 76:5,	7
7d8d5-TrimetNW0el pel e	MD		720		. ujg			03j, 7j73 76:5,	7
7d8-DicNQrobel pel e	MD		720		. ujg			03j, 7j73 76:5,	7
7d8-DicNQro9ro9al e	MD		720		. ujg			03j, 7j73 76:5,	7
7d4-DicNQrobel pel e	MD		720		. ujg			03j, 7j73 76:5,	7
7d4-Diozal e	MD		50		. ujg			03j, 7j73 76:5,	7
, d -DicNQro9ro9al e	MD		720		. ujg			03j, 7j73 76:5,	7
, -x . tal ol e BRn(K	MD	)	70		. ujg			03j, 7j73 76:5,	7
, -1 NQrotoCel e	MD		720		. ujg			03j, 7j73 76:5,	7
, -Hezal ol e	MD		70		. ujg			03j, 7j73 76:5,	7
4-1 NQrotoCel e	MD		720		. ujg			03j, 7j73 76:5,	7
4-Iso9ro9W0oCel e	MD		720		. ujg			03j, 7j73 76:5,	7
4-RetNW0, -9el tal ol e BRIx(K	MD		70		. ujg			03j, 7j73 76:5,	7
Acetol e	MD		50		. ujg			03j, 7j73 76:5,	7
xel pel e	MD		720		. ujg			03j, 7j73 76:5,	7
xromobel pel e	MD		720		. ujg			03j, 7j73 76:5,	7
xromoform	MD		720		. ujg			03j, 7j73 76:5,	7
xromometNal e	MD		, 20		. ujg			03j, 7j73 76:5,	7
1 arbol yis. 0iye	MD		70		. ujg			03j, 7j73 76:5,	7
1 arbol tetracNQriye	MD		720		. ujg			03j, 7j73 76:5,	7
1 NQrobel pel e	MD		720		. ujg			03j, 7j73 76:5,	7
1 NQrobromometNal e	MD		720		. ujg			03j, 7j73 76:5,	7
1 NQroyibromometNal e	MD		0250		. ujg			03j, 7j73 76:5,	7
1 NQroetNal e	MD		, 20		. ujg			03j, 7j73 76:5,	7
1 NQroform	MD		720		. ujg			03j, 7j73 76:5,	7
1 NQrometNal e	MD		, 20		. ujg			03j, 7j73 76:5,	7
cis-7d -DicNQroetNel e	MD		720		. ujg			03j, 7j73 76:5,	7
cis-7d8-DicNQro9ro9el e	MD		0240		. ujg			03j, 7j73 76:5,	7
DicNQrobromometNal e	MD		0250		. ujg			03j, 7j73 76:5,	7
DicNQroyifCorometNal e	MD		720		. ujg			03j, 7j73 76:5,	7
ntNW0etNer	MD		720		. ujg			03j, 7j73 76:5,	7
ntNW0el pel e	MD		720		. ujg			03j, 7j73 76:5,	7
ntNW0l e Dibromiye	MD		720		. ujg			03j, 7j73 76:5,	7
HezacNQrob. tayiel e	MD		0240		. ujg			03j, 7j73 76:5,	7
Iso9ro9W0etNer	MD		70		. ujg			03j, 7j73 76:5,	7

Client Sample ID: 1 M7030-W07303W0-07

Lab Sample ID: 480-34633-4

Date Cr llexteo: 03dW0c73 7f:00

1 at2i9: Mate2

Date Rexeideo: 03dW7c73 06:W4

1 et/ r o: 8WW0C - hr latile V2Oanix Cr mpr unos g(Cc1 SGgCr ntinueoG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z2epa2eo	) nalAFeo	Dil yax
Iso9ro9WQel pel e	MD		720		. ujg			03j, 7j73 76:5,	7
1 et/ Al te2t-butAl et/ e2	**7W**		720		. ujg			03j, 7j73 76:5,	7
RetNWQel e 1 NQriye	MD		720		. ujg			03j, 7j73 76:5,	7
m-XWQel e & 9-XWQel e	MD		, 20		. ujg			03j, 7j73 76:5,	7
Ma9NtNaQel e	MD		520		. ujg			03j, 7j73 76:5,	7
l -x . tWQel pel e	MD		720		. ujg			03j, 7j73 76:5,	7
M-hro9WQel pel e	MD		720		. ujg			03j, 7j73 76:5,	7
o-XWQel e	MD		720		. ujg			03j, 7j73 76:5,	7
sec-x . tWQel pel e	MD		720		. ujg			03j, 7j73 76:5,	7
/ tWel e	MD		720		. ujg			03j, 7j73 76:5,	7
Tert-amWQmetNWQetNer	MD		520		. ujg			03j, 7j73 76:5,	7
Tert-b. tWQetNWQetNer	MD		520		. ujg			03j, 7j73 76:5,	7
tert-x . tWQel pel e	MD		720		. ujg			03j, 7j73 76:5,	7
TetracNQroetNel e	MD		720		. ujg			03j, 7j73 76:5,	7
TetraNWyrof. ral	MD		70		. ujg			03j, 7j73 76:5,	7
ToCel e	MD		720		. ujg			03j, 7j73 76:5,	7
tral s-7d -DicNQroetNel e	MD		720		. ujg			03j, 7j73 76:5,	7
tral s-7d3-DicNQro9ro9el e	MD		0240		. ujg			03j, 7j73 76:5,	7
. 2ix/ Ir 2r et/ ene	**W8**		720		. ujg			03j, 7j73 76:5,	7
TricNQrofCorometNal e	MD		720		. ujg			03j, 7j73 76:5,	7
Vil WQcNQriye	MD		0250		. ujg			03j, 7j73 76:5,	7
DibromometNal e	MD		720		. ujg			03j, 7j73 76:5,	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*03/21/13 17:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*		*03/21/13 17:52*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*03/21/13 17:52*	*1*

Client Sample ID: 1 M707f D-W07303W0-07

Lab Sample ID: 480-34633-f

Date Cr llexteo: 03dW0c73 7W70

1 at2i9: Mate2

Date Rexeideo: 03dW7c73 06:W4

1 et/ r o: 8WW0C - hr latile V2Oanix Cr mpr unos g(Cc1 SG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z2epa2eo	) nalAFeo	Dil yax
7d7d7d -TetracNQroetNal e	MD		720		. ujg			03j, 7j73 78:7L	7
7d7d7-TricNQroetNal e	MD		720		. ujg			03j, 7j73 78:7L	7
7d7d d -TetracNQroetNal e	MD		0250		. ujg			03j, 7j73 78:7L	7
7d7d -TricNQroetNal e	MD		720		. ujg			03j, 7j73 78:7L	7
7d7-DicNQroetNal e	MD		720		. ujg			03j, 7j73 78:7L	7
7d7-DicNQroetNel e	MD		720		. ujg			03j, 7j73 78:7L	7
7d7-DicNQro9ro9el e	MD		720		. ujg			03j, 7j73 78:7L	7
7d d3-TricNQrobel pel e	MD		720		. ujg			03j, 7j73 78:7L	7
7d d3-TricNQro9ro9al e	MD		720		. ujg			03j, 7j73 78:7L	7
7d d4-TricNQrobel pel e	MD		720		. ujg			03j, 7j73 78:7L	7
7d d4-TrimetNWQel pel e	MD		720		. ujg			03j, 7j73 78:7L	7
7d -Dibromo-3-1 NQro9ro9al e	MD		520		. ujg			03j, 7j73 78:7L	7
7d -DicNQrobel pel e	MD		720		. ujg			03j, 7j73 78:7L	7
7d -DicNQroetNal e	MD		720		. ujg			03j, 7j73 78:7L	7
7d -DicNQro9ro9al e	MD		720		. ujg			03j, 7j73 78:7L	7
7d3d5-TrimetNWQel pel e	MD		720		. ujg			03j, 7j73 78:7L	7

Client Sample ID: 1 M707f D-W07303W0-07 — **Lab Sample ID: 480-34633-f**

Date Cr llexteo: 03dW0c73 7W70

1 at29: Mate2

Date Rexeideo: 03dW7c73 06:W4

1 et/ r o: 8WW0C - hr latile V2Oanix Cr mpr unos g(Cc1 SGgCr ntinueoG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z 2epa2eo	) nalAFeo	Dil yax
7c8-DicNCorobel pel e	MD		720		. ujg			03j, 7j73 78:7L	7
7c8-DicNCoro9ro9al e	MD		720		. ujg			03j, 7j73 78:7L	7
7c4-DicNCorobel pel e	MD		720		. ujg			03j, 7j73 78:7L	7
7c4-Diozal e	MD		50		. ujg			03j, 7j73 78:7L	7
, d -DicNCoro9ro9al e	MD		720		. ujg			03j, 7j73 78:7L	7
, -x . tal ol e BRn (K	MD	)	70		. ujg			03j, 7j73 78:7L	7
, -1 NCorotoCel e	MD		720		. ujg			03j, 7j73 78:7L	7
, -Hezal ol e	MD		70		. ujg			03j, 7j73 78:7L	7
4-1 NCorotoCel e	MD		720		. ujg			03j, 7j73 78:7L	7
4-Iso9ro9WCoCel e	MD		720		. ujg			03j, 7j73 78:7L	7
4-RetNWC, -9el tal ol e BRIx (K	MD		70		. ujg			03j, 7j73 78:7L	7
Acetol e	MD		50		. ujg			03j, 7j73 78:7L	7
xel pel e	MD		720		. ujg			03j, 7j73 78:7L	7
xromobel pel e	MD		720		. ujg			03j, 7j73 78:7L	7
xromoform	MD		720		. ujg			03j, 7j73 78:7L	7
xromometNal e	MD		, 20		. ujg			03j, 7j73 78:7L	7
1 arbol yis. Cbye	MD		70		. ujg			03j, 7j73 78:7L	7
1 arbol tetracNCoriye	MD		720		. ujg			03j, 7j73 78:7L	7
1 NCorobel pel e	MD		720		. ujg			03j, 7j73 78:7L	7
1 NCorobromometNal e	MD		720		. ujg			03j, 7j73 78:7L	7
1 NCoroyibromometNal e	MD		0250		. ujg			03j, 7j73 78:7L	7
1 NCoroetNal e	MD		, 20		. ujg			03j, 7j73 78:7L	7
C/ lr 2r Q2m	**7Tf**		720		. ujg			03j, 7j73 78:7L	7
1 NCorometNal e	MD		, 20		. ujg			03j, 7j73 78:7L	7
xis-7,WDix/ lr 2r et/ ene	**WW0**		720		. ujg			03j, 7j73 78:7L	7
cis-7c8-DicNCoro9ro9el e	MD		0240		. ujg			03j, 7j73 78:7L	7
DicNCorobromometNal e	MD		0250		. ujg			03j, 7j73 78:7L	7
DicNCoroyifCorometNal e	MD		720		. ujg			03j, 7j73 78:7L	7
ntNWCetNer	MD		720		. ujg			03j, 7j73 78:7L	7
ntNWCbel pel e	MD		720		. ujg			03j, 7j73 78:7L	7
ntNWCl e Dibromiye	MD		720		. ujg			03j, 7j73 78:7L	7
HezacNCorob. tayiel e	MD		0240		. ujg			03j, 7j73 78:7L	7
Iso9ro9WCetNer	MD		70		. ujg			03j, 7j73 78:7L	7
Iso9ro9WCbel pel e	MD		720		. ujg			03j, 7j73 78:7L	7
RetNWCtert-b. tWCetNer	MD		720		. ujg			03j, 7j73 78:7L	7
RetNWCl e 1 NCoriye	MD		720		. ujg			03j, 7j73 78:7L	7
m-XWCl e & 9-XWCl e	MD		, 20		. ujg			03j, 7j73 78:7L	7
Ma9NtNaCl e	MD		520		. ujg			03j, 7j73 78:7L	7
l -x . tWCbel pel e	MD		720		. ujg			03j, 7j73 78:7L	7
M-hro9WCbel pel e	MD		720		. ujg			03j, 7j73 78:7L	7
o-XWCl e	MD		720		. ujg			03j, 7j73 78:7L	7
sec-x . tWCbel pel e	MD		720		. ujg			03j, 7j73 78:7L	7
/ tWel e	MD		720		. ujg			03j, 7j73 78:7L	7
Tert-amWCmetNWCetNer	MD		520		. ujg			03j, 7j73 78:7L	7
Tert-b. tWCetNWCetNer	MD		520		. ujg			03j, 7j73 78:7L	7
tert-x . tWCbel pel e	MD		720		. ujg			03j, 7j73 78:7L	7
. et2ax/ lr 2r et/ ene	**3T4**		720		. ujg			03j, 7j73 78:7L	7
TetraNWyrof. ral	MD		70		. ujg			03j, 7j73 78:7L	7
ToCel e	MD		720		. ujg			03j, 7j73 78:7L	7

Client Sample ID: 1 M707f D-W07303W0-07

Lab Sample ID: 480-34633-f

Date Cr llexteo: 03dW0c73 7W70

1 at2i9: Mate2

Date Rexeideo: 03dW7c73 06:W4

1 et/ r o: 8WW0C - hr latile V2Oanix Cr mpr unos g(Cc1 SGgCr ntinueoG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z2epa2eo	) nalAFeo	Dil yax
tral s-7d -DicNOroetNel e	MD		720		. ujg			03j, 7j73 78:7L	7
tral s-7d3-DicNOro9ro9el e	MD		0240		. ujg			03j, 7j73 78:7L	7
. 2ix/ lr 2r et/ ene	34		720		. ujg			03j, 7j73 78:7L	7
TricNOrofCorometNal e	MD		720		. ujg			03j, 7j73 78:7L	7
Vil WOcNOriye	MD		0250		. ujg			03j, 7j73 78:7L	7
DibromometNal e	MD		720		. ujg			03j, 7j73 78:7L	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*70 - 130*		*03/21/13 18:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*		*03/21/13 18:16*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*03/21/13 18:16*	*1*

Client Sample ID: 1 M70W1 -W07303W0-07

Lab Sample ID: 480-34633-v

Date Cr llexteo: 03dW0c73 74:40

1 at2i9: Mate2

Date Rexeideo: 03dW7c73 06:W4

1 et/ r o: 8WW05 Sl1 - hr latile V2Oanix Cr mpr unos g(Cc1 SG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z2epa2eo	) nalAFeo	Dil yax
7,4-Dir 9ane	vT7		72L		. ujg			03j, 5j73 73:36	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
TBA-d9 (Surr)	*106*		*50 - 150*		*03/25/13 13:37*	*1*
Dibromofluoromethane (Surr)	*88*		*50 - 150*		*03/25/13 13:37*	*1*

1 et/ r o: 8WW0C - hr latile V2Oanix Cr mpr unos g(Cc1 SG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z2epa2eo	) nalAFeo	Dil yax
7d7d7d -TetracNOroetNal e	MD		720		. ujg			03j, 7j73 78:40	7
7,7,7-. 2ix/ lr 2r et/ ane	74		720		. ujg			03j, 7j73 78:40	7
7d7d d -TetracNOroetNal e	MD		0250		. ujg			03j, 7j73 78:40	7
7d7d -TricNOroetNal e	MD		720		. ujg			03j, 7j73 78:40	7
7,7-Dix/ lr 2r et/ ane	4Tf		720		. ujg			03j, 7j73 78:40	7
7,7-Dix/ lr 2r et/ ene	vTv		720		. ujg			03j, 7j73 78:40	7
7d7-DicNOro9ro9el e	MD		720		. ujg			03j, 7j73 78:40	7
7d d3-TricNOrobel pel e	MD		720		. ujg			03j, 7j73 78:40	7
7d d3-TricNOro9ro9al e	MD		720		. ujg			03j, 7j73 78:40	7
7d d4-TricNOrobel pel e	MD		720		. ujg			03j, 7j73 78:40	7
7d d4-TrimetNWOel pel e	MD		720		. ujg			03j, 7j73 78:40	7
7d -Dibromo-3-1 NOro9ro9al e	MD		520		. ujg			03j, 7j73 78:40	7
7d -DicNOrobel pel e	MD		720		. ujg			03j, 7j73 78:40	7
7d -DicNOroetNal e	MD		720		. ujg			03j, 7j73 78:40	7
7d -DicNOro9ro9al e	MD		720		. ujg			03j, 7j73 78:40	7
7d3d5-TrimetNWOel pel e	MD		720		. ujg			03j, 7j73 78:40	7
7d3-DicNOrobel pel e	MD		720		. ujg			03j, 7j73 78:40	7
7d3-DicNOro9ro9al e	MD		720		. ujg			03j, 7j73 78:40	7
7d4-DicNOrobel pel e	MD		720		. ujg			03j, 7j73 78:40	7
7d4-Diozal e	MD		50		. ujg			03j, 7j73 78:40	7
, d -DicNOro9ro9al e	MD		720		. ujg			03j, 7j73 78:40	7
, -x . tal ol e BRn(K	MD	)	70		. ujg			03j, 7j73 78:40	7
, -1 NOrotoCel e	MD		720		. ujg			03j, 7j73 78:40	7
, -Hezal ol e	MD		70		. ujg			03j, 7j73 78:40	7

Client Sample ID: 1 M70W1 -W07303W0-07

Date Cr llexteo: 03dW0c73 74:40
Date Rexeideo: 03dW7c73 06:W4

Lab Sample ID: 480-34633-v

1 at29: Mate2

1 et/ r o: 8WW0C - hr latile V2Oanix Cr mpr unos g(Cc1 SGgCr ntinueoG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z 2epa2eo	) nalAFeo	Dil yax
4-1 NQrotoCel e	MD		720		. ujg			03j, 7j73 78:40	7
4-Iso9ro9WQoCel e	MD		720		. ujg			03j, 7j73 78:40	7
4-RetNWC, -9el tal ol e BRIx (K	MD		70		. ujg			03j, 7j73 78:40	7
Acetol e	MD		50		. ujg			03j, 7j73 78:40	7
xel pel e	MD		720		. ujg			03j, 7j73 78:40	7
xromobel pel e	MD		720		. ujg			03j, 7j73 78:40	7
xromoform	MD		720		. ujg			03j, 7j73 78:40	7
xromometNal e	MD		, 20		. ujg			03j, 7j73 78:40	7
1 arbol yis. Qlye	MD		70		. ujg			03j, 7j73 78:40	7
1 arbol tetracNQriye	MD		720		. ujg			03j, 7j73 78:40	7
1 NQrobel pel e	MD		720		. ujg			03j, 7j73 78:40	7
1 NQrobromometNal e	MD		720		. ujg			03j, 7j73 78:40	7
1 NQroyibromometNal e	MD		0250		. ujg			03j, 7j73 78:40	7
1 NQroetNal e	MD		, 20		. ujg			03j, 7j73 78:40	7
1 NQroform	MD		720		. ujg			03j, 7j73 78:40	7
1 NQrometNal e	MD		, 20		. ujg			03j, 7j73 78:40	7
xis-7,WDix/ lr 2r et/ ene	**WW4**		720		. ujg			03j, 7j73 78:40	7
cis-7d3-DicNQro9ro9el e	MD		0240		. ujg			03j, 7j73 78:40	7
DicNQrobromometNal e	MD		0250		. ujg			03j, 7j73 78:40	7
DicNQroyifCorometNal e	MD		720		. ujg			03j, 7j73 78:40	7
ntNWQetNer	MD		720		. ujg			03j, 7j73 78:40	7
ntNWQel pel e	MD		720		. ujg			03j, 7j73 78:40	7
ntNWQl e Dibromiye	MD		720		. ujg			03j, 7j73 78:40	7
HezacNQrob. tayiel e	MD		0240		. ujg			03j, 7j73 78:40	7
Iso9ro9WQetNer	MD		70		. ujg			03j, 7j73 78:40	7
Iso9ro9WQel pel e	MD		720		. ujg			03j, 7j73 78:40	7
1 et/ Al te2t-butAl et/ e2	**WW8**		720		. ujg			03j, 7j73 78:40	7
RetNWQl e 1 NQriye	MD		720		. ujg			03j, 7j73 78:40	7
m-XWQl e & 9-XWQl e	MD		, 20		. ujg			03j, 7j73 78:40	7
Ma9NtNaQl e	MD		520		. ujg			03j, 7j73 78:40	7
l -x . tWQel pel e	MD		720		. ujg			03j, 7j73 78:40	7
M-hro9WQel pel e	MD		720		. ujg			03j, 7j73 78:40	7
o-XWQl e	MD		720		. ujg			03j, 7j73 78:40	7
sec-x . tWQel pel e	MD		720		. ujg			03j, 7j73 78:40	7
/ tWel e	MD		720		. ujg			03j, 7j73 78:40	7
Tert-amWQmetNWQetNer	MD		520		. ujg			03j, 7j73 78:40	7
Tert-b. tWQetNWQetNer	MD		520		. ujg			03j, 7j73 78:40	7
tert-x . tWQel pel e	MD		720		. ujg			03j, 7j73 78:40	7
TetracNQroetNel e	MD		720		. ujg			03j, 7j73 78:40	7
TetraNWyrof. ral	MD		70		. ujg			03j, 7j73 78:40	7
ToCel e	MD		720		. ujg			03j, 7j73 78:40	7
tral s-7d(-DicNQroetNel e	MD		720		. ujg			03j, 7j73 78:40	7
tral s-7d3-DicNQro9ro9el e	MD		0240		. ujg			03j, 7j73 78:40	7
TricNQrofCorometNal e	MD		720		. ujg			03j, 7j73 78:40	7
Vil WQcNQriye	MD		0250		. ujg			03j, 7j73 78:40	7
DibromometNal e	MD		720		. ujg			03j, 7j73 78:40	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*03/21/13 18:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*03/21/13 18:40*	*1*

Client Sample ID: 1 M70W1 -W07303W0-07

Lab Sample ID: 480-34633-v

Date Cr llexteo: 03dW0c73 74:40

1 at29: Mate2

Date Rexeideo: 03dW7c73 06:W4

1 et/ r o: 8WW0C - hr latile V2Oanix Cr mpr unos g(Cc1 SGgCr ntinueoG

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130		03/21/13 18:40	1

1 et/ r o: 8WW0C - hr latile V2Oanix Cr mpr unos g(Cc1 SG- DL

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z2epa2eo	) nalAFeo	Dil yax
. 2x/ lr 2r et/ ene	760		420		. ujg			03j, , j73 0, :3L	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		70 - 130		03/22/13 02:36	4
1,2-Dichloroethane-d4 (Surr)	96		70 - 130		03/22/13 02:36	4
4-Bromofluorobenzene (Surr)	100		70 - 130		03/22/13 02:36	4

Client Sample ID: 1 M70WWW07303W0-07

Lab Sample ID: 480-34633-6

Date Cr llexteo: 03dW0c73 73:00

1 at29: Mate2

Date Rexeideo: 03dW7c73 06:W4

1 et/ r o: 8WW05 Sl1 - hr latile V2Oanix Cr mpr unos g(Cc1 SG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z2epa2eo	) nalAFeo	Dil yax
7d4-Diozal e	MD		72L		. ujg			03j, 5j73 74:0,	7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
TBA-d9 (Surr)	113		50 - 150		03/25/13 14:02	1
Dibromofluoromethane (Surr)	91		50 - 150		03/25/13 14:02	1

1 et/ r o: 8WW0C - hr latile V2Oanix Cr mpr unos g(Cc1 SG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z2epa2eo	) nalAFeo	Dil yax
7d7d7d -TetracNQroetNal e	MD		720		. ujg			03j, 7j73 76:4,	7
7d7d7-TricNQroetNal e	MD		720		. ujg			03j, 7j73 76:4,	7
7d7d d -TetracNQroetNal e	MD		0250		. ujg			03j, 7j73 76:4,	7
7d7d -TricNQroetNal e	MD		720		. ujg			03j, 7j73 76:4,	7
7d7-DicNQroetNal e	MD		720		. ujg			03j, 7j73 76:4,	7
7d7-DicNQroetNel e	MD		720		. ujg			03j, 7j73 76:4,	7
7d7-DicNQro9ro9el e	MD		720		. ujg			03j, 7j73 76:4,	7
7d d3-TricNQrobel pel e	MD		720		. ujg			03j, 7j73 76:4,	7
7d d3-TricNQro9ro9al e	MD		720		. ujg			03j, 7j73 76:4,	7
7d d4-TricNQrobel pel e	MD		720		. ujg			03j, 7j73 76:4,	7
7d d4-TrimetNW0el pel e	MD		720		. ujg			03j, 7j73 76:4,	7
7d -Dibromo-3-1 NQro9ro9al e	MD		520		. ujg			03j, 7j73 76:4,	7
7d -DicNQrobel pel e	MD		720		. ujg			03j, 7j73 76:4,	7
7d -DicNQroetNal e	MD		720		. ujg			03j, 7j73 76:4,	7
7d -DicNQro9ro9al e	MD		720		. ujg			03j, 7j73 76:4,	7
7d3d5-TrimetNW0el pel e	MD		720		. ujg			03j, 7j73 76:4,	7
7d3-DicNQrobel pel e	MD		720		. ujg			03j, 7j73 76:4,	7
7d3-DicNQro9ro9al e	MD		720		. ujg			03j, 7j73 76:4,	7
7d4-DicNQrobel pel e	MD		720		. ujg			03j, 7j73 76:4,	7
7d4-Diozal e	MD		50		. ujg			03j, 7j73 76:4,	7
, d -DicNQro9ro9al e	MD		720		. ujg			03j, 7j73 76:4,	7
, -x . tal ol e BRn (K	MD		70		. ujg			03j, 7j73 76:4,	7
, -1 NQrotoCel e	MD		720		. ujg			03j, 7j73 76:4,	7
, -Hezal ol e	MD		70		. ujg			03j, 7j73 76:4,	7
4-1 NQrotoCel e	MD		720		. ujg			03j, 7j73 76:4,	7

Client Sample ID: 1 M70WWW07303W0-07
Date Cr llexteo: 03dW0c73 73:00
Date Rexeideo: 03dW7c73 06:W4

Lab Sample ID: 480-34633-6
1 at29: Mate2

1 et/ r o: 8WW0C - hr latile V2Oanix Cr mpr unos g(Cc1 SGgCr ntinueoG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z 2epa2eo	) nalAFeo	Dil yax
4-Iso9ro9WQoCel e	MD		720		. ujg			03j, 7j73 76:4,	7
4-RetNWC, -9el tal ol e BRIx (K	MD		70		. ujg			03j, 7j73 76:4,	7
Acetol e	MD		50		. ujg			03j, 7j73 76:4,	7
x el pel e	MD		720		. ujg			03j, 7j73 76:4,	7
x romobel pel e	MD		720		. ujg			03j, 7j73 76:4,	7
x romoform	MD		720		. ujg			03j, 7j73 76:4,	7
x romometNal e	MD		, 20		. ujg			03j, 7j73 76:4,	7
1 arbol yis. fiye	MD		70		. ujg			03j, 7j73 76:4,	7
1 arbol tetracNQriye	MD		720		. ujg			03j, 7j73 76:4,	7
1 NQrobel pel e	MD		720		. ujg			03j, 7j73 76:4,	7
1 NQrobromometNal e	MD		720		. ujg			03j, 7j73 76:4,	7
1 NQroyibromometNal e	MD		0250		. ujg			03j, 7j73 76:4,	7
1 NQroetNal e	MD		, 20		. ujg			03j, 7j73 76:4,	7
1 NQroform	MD		720		. ujg			03j, 7j73 76:4,	7
1 NQrometNal e	MD		, 20		. ujg			03j, 7j73 76:4,	7
xis-7,WDix/ lr 2r et/ ene	**710**		720		. ujg			03j, 7j73 76:4,	7
cis-7d3-DicNQro9ro9el e	MD		0240		. ujg			03j, 7j73 76:4,	7
DicNQrobromometNal e	MD		0250		. ujg			03j, 7j73 76:4,	7
DicNQroyifCorometNal e	MD		720		. ujg			03j, 7j73 76:4,	7
ntNWQetNer	MD		720		. ujg			03j, 7j73 76:4,	7
ntNWQel pel e	MD		720		. ujg			03j, 7j73 76:4,	7
ntNWQl e Dibromiye	MD		720		. ujg			03j, 7j73 76:4,	7
HezacNQrob. tayiel e	MD		0240		. ujg			03j, 7j73 76:4,	7
Iso9ro9WQetNer	MD		70		. ujg			03j, 7j73 76:4,	7
Iso9ro9WQel pel e	MD		720		. ujg			03j, 7j73 76:4,	7
RetNWQtert-b. tWQetNer	MD		720		. ujg			03j, 7j73 76:4,	7
RetNWQl e 1 NQriye	MD		720		. ujg			03j, 7j73 76:4,	7
m-XWQl e & 9-XWQl e	MD		, 20		. ujg			03j, 7j73 76:4,	7
Ma9NtNaQl e	MD		520		. ujg			03j, 7j73 76:4,	7
l -x . tWQel pel e	MD		720		. ujg			03j, 7j73 76:4,	7
M-hro9WQel pel e	MD		720		. ujg			03j, 7j73 76:4,	7
o-XWQl e	MD		720		. ujg			03j, 7j73 76:4,	7
sec-x . tWQel pel e	MD		720		. ujg			03j, 7j73 76:4,	7
/ tWel e	MD		720		. ujg			03j, 7j73 76:4,	7
Tert-amWQmetNWQetNer	MD		520		. ujg			03j, 7j73 76:4,	7
Tert-b. tWQetNWQetNer	MD		520		. ujg			03j, 7j73 76:4,	7
tert-x . tWQel pel e	MD		720		. ujg			03j, 7j73 76:4,	7
TetracNQroetNel e	MD		720		. ujg			03j, 7j73 76:4,	7
TetraNWyrof. ral	MD		70		. ujg			03j, 7j73 76:4,	7
ToCel e	MD		720		. ujg			03j, 7j73 76:4,	7
tral s-7d -DicNQroetNel e	MD		720		. ujg			03j, 7j73 76:4,	7
tral s-7d3-DicNQro9ro9el e	MD		0240		. ujg			03j, 7j73 76:4,	7
. 2ix/ lr 2r et/ ene	**W6**		720		. ujg			03j, 7j73 76:4,	7
TricNQrofCorometNal e	MD		720		. ujg			03j, 7j73 76:4,	7
Vil WQcNQriye	MD		0250		. ujg			03j, 7j73 76:4,	7
DibromometNal e	MD		720		. ujg			03j, 7j73 76:4,	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*70 - 130*		*03/21/13 17:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*		*03/21/13 17:42*	*1*

Client Sample ID: 1 M70WWW07303W0-07

Lab Sample ID: 480-34633-6

Date Cr llexteo: 03dW0c73 73:00

1 at2i9: Mate2

Date Rexeideo: 03dW7c73 06:W4

1 et/ r o: 8WW0C - hr latile V2Oanix Cr mpr unos g(Cc1 SGgCr ntinueoG

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130		03/21/13 17:42	1

1 et/ r o: fWW1 VD - 7,4 Dir 9ane g(Cc1 S Sl1 G

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z2epa2eo	) nalAFeo	Dil yax
7d4-Diozal e	MD		02, 0		. ujg		03j, 6j73 74:05	03j, 6j73 78:58	7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8 (Surr)	88		70 - 130	03/27/13 14:05	03/27/13 18:58	1

Client Sample ID: 1 M70W8-W07303W0-07

Lab Sample ID: 480-34633-8

Date Cr llexteo: 03dW0c73 7f:70

1 at2i9: Mate2

Date Rexeideo: 03dW7c73 06:W4

1 et/ r o: 8WW05 Sl1 - hr latile V2Oanix Cr mpr unos g(Cc1 SG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z2epa2eo	) nalAFeo	Dil yax
7d4-Diozal e	MD		72.		. ujg			03j, 5j73 74:, L	7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
TBA-d9 (Surr)	96		50 - 150		03/25/13 14:26	1
Dibromofluoromethane (Surr)	89		50 - 150		03/25/13 14:26	1

1 et/ r o: 8WW0C - hr latile V2Oanix Cr mpr unos g(Cc1 SG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z2epa2eo	) nalAFeo	Dil yax
7d7d7d -TetracNQroetNal e	MD		720		. ujg			03j, 7j73 78:08	7
7d7d7-TricNQroetNal e	MD		720		. ujg			03j, 7j73 78:08	7
7d7d d -TetracNQroetNal e	MD		0250		. ujg			03j, 7j73 78:08	7
7d7d -TricNQroetNal e	MD		720		. ujg			03j, 7j73 78:08	7
7d7-DicNQroetNal e	MD		720		. ujg			03j, 7j73 78:08	7
7d7-DicNQroetNel e	MD		720		. ujg			03j, 7j73 78:08	7
7d7-DicNQro9ro9el e	MD		720		. ujg			03j, 7j73 78:08	7
7d d3-TricNQrobel pel e	MD		720		. ujg			03j, 7j73 78:08	7
7d d3-TricNQro9ro9al e	MD		720		. ujg			03j, 7j73 78:08	7
7d d4-TricNQrobel pel e	MD		720		. ujg			03j, 7j73 78:08	7
7d d4-TrimetNWQel pel e	MD		720		. ujg			03j, 7j73 78:08	7
7d -Dibromo-3-1 NQro9ro9al e	MD		520		. ujg			03j, 7j73 78:08	7
7d -DicNQrobel pel e	MD		720		. ujg			03j, 7j73 78:08	7
7d -DicNQroetNal e	MD		720		. ujg			03j, 7j73 78:08	7
7d -DicNQro9ro9al e	MD		720		. ujg			03j, 7j73 78:08	7
7d3d5-TrimetNWQel pel e	MD		720		. ujg			03j, 7j73 78:08	7
7d3-DicNQrobel pel e	MD		720		. ujg			03j, 7j73 78:08	7
7d3-DicNQro9ro9al e	MD		720		. ujg			03j, 7j73 78:08	7
7d4-DicNQrobel pel e	MD		720		. ujg			03j, 7j73 78:08	7
7d4-Diozal e	MD		50		. ujg			03j, 7j73 78:08	7
, d -DicNQro9ro9al e	MD		720		. ujg			03j, 7j73 78:08	7
, -x . tal ol e BRn (K	MD		70		. ujg			03j, 7j73 78:08	7
, -1 NQrotoCel e	MD		720		. ujg			03j, 7j73 78:08	7
, -Hezal ol e	MD		70		. ujg			03j, 7j73 78:08	7
4-1 NQrotoCel e	MD		720		. ujg			03j, 7j73 78:08	7
4-Iso9ro9WQoCel e	MD		720		. ujg			03j, 7j73 78:08	7
4-RetNWC, -9el tal ol e BRIx (K	MD		70		. ujg			03j, 7j73 78:08	7

Client Sample ID: 1 M70W8-W07303W0-07

Date Cr llexteo: 03dW0c73 7f :70
Date Rexeideo: 03dW7c73 06:W4

Lab Sample ID: 480-34633-8

1 at29: Mate2

1 et/ r o: 8WW0C - hr latile V2Oanix Cr mpr unos g(Cc1 SGgCr ntinueoG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z 2epa2eo	) nalAFeo	Dil yax
Acetol e	MD		50		. ujg			03j, 7j73 78:08	7
xel pel e	MD		720		. ujg			03j, 7j73 78:08	7
x romobel pel e	MD		720		. ujg			03j, 7j73 78:08	7
x romoform	MD		720		. ujg			03j, 7j73 78:08	7
x romometNal e	MD		, 20		. ujg			03j, 7j73 78:08	7
1 arbol yis. Qye	MD		70		. ujg			03j, 7j73 78:08	7
1 arbol tetracNQriye	MD		720		. ujg			03j, 7j73 78:08	7
1 NQrobel pel e	MD		720		. ujg			03j, 7j73 78:08	7
1 NQrobromometNal e	MD		720		. ujg			03j, 7j73 78:08	7
1 NQroyibromometNal e	MD		0250		. ujg			03j, 7j73 78:08	7
1 NQroetNal e	MD		, 20		. ujg			03j, 7j73 78:08	7
1 NQroform	MD		720		. ujg			03j, 7j73 78:08	7
1 NQrometNal e	MD		, 20		. ujg			03j, 7j73 78:08	7
xis-7,WDix/ lr 2r et/ ene	**vTv**		720		. ujg			03j, 7j73 78:08	7
cis-7d8-DicNQro9ro9el e	MD		0240		. ujg			03j, 7j73 78:08	7
DicNQrobromometNal e	MD		0250		. ujg			03j, 7j73 78:08	7
DicNQroyifCorometNal e	MD		720		. ujg			03j, 7j73 78:08	7
ntNWQetNer	MD		720		. ujg			03j, 7j73 78:08	7
ntNWQel pel e	MD		720		. ujg			03j, 7j73 78:08	7
ntNWQl e Dibromiye	MD		720		. ujg			03j, 7j73 78:08	7
HezacNQrob. tayiel e	MD		0240		. ujg			03j, 7j73 78:08	7
Iso9ro9WQetNer	MD		70		. ujg			03j, 7j73 78:08	7
Iso9ro9WQel pel e	MD		720		. ujg			03j, 7j73 78:08	7
RetNWQert-b. tWQetNer	MD		720		. ujg			03j, 7j73 78:08	7
RetNWQl e 1 NQriye	MD		720		. ujg			03j, 7j73 78:08	7
m-XWQl e & 9-XWQl e	MD		, 20		. ujg			03j, 7j73 78:08	7
Ma9NtNaQl e	MD		520		. ujg			03j, 7j73 78:08	7
l -x . tWQel pel e	MD		720		. ujg			03j, 7j73 78:08	7
M-hro9WQel pel e	MD		720		. ujg			03j, 7j73 78:08	7
o-XWQl e	MD		720		. ujg			03j, 7j73 78:08	7
sec-x . tWQel pel e	MD		720		. ujg			03j, 7j73 78:08	7
/ tWel e	MD		720		. ujg			03j, 7j73 78:08	7
Tert-amWQmetNWQetNer	MD		520		. ujg			03j, 7j73 78:08	7
Tert-b. tWQetNWQetNer	MD		520		. ujg			03j, 7j73 78:08	7
tert-x . tWQel pel e	MD		720		. ujg			03j, 7j73 78:08	7
TetracNQroetNel e	MD		720		. ujg			03j, 7j73 78:08	7
TetraNWyrof. ral	MD		70		. ujg			03j, 7j73 78:08	7
ToCel e	MD		720		. ujg			03j, 7j73 78:08	7
tral s-7d -DicNQroetNel e	MD		720		. ujg			03j, 7j73 78:08	7
tral s-7d8-DicNQro9ro9el e	MD		0240		. ujg			03j, 7j73 78:08	7
. 2ix/ lr 2r et/ ene	**38**		720		. ujg			03j, 7j73 78:08	7
TricNQrofCorometNal e	MD		720		. ujg			03j, 7j73 78:08	7
Vil WQcNQriye	MD		0250		. ujg			03j, 7j73 78:08	7
DibromometNal e	MD		720		. ujg			03j, 7j73 78:08	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*70 - 130*		*03/21/13 18:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*		*03/21/13 18:08*	*1*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*03/21/13 18:08*	*1*

Client Sample ID: 1 M70W8-W07303W0-07

Lab Sample ID: 480-34633-8

Date Cr llexteo: 03dW0c73 7f:70

1 at29: Mate2

Date Rexeideo: 03dW7c73 06:W4

1 et/ r o: fWW1 VD - 7,4 Dir 9ane g(Cc1 S Sl1 G

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z2epa2eo	) nalAFeo	Dil yax
7,4-Dir 9ane	0Tvf		02 0		. ujg		03j, 6j73 74:05	03j, 6j73 7*:74	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8 (Surr)	*85*		*70 - 130*	*03/27/13 14:05*	*03/27/13 19:14*	*1*

Client Sample ID: DPz003-W07303W0-07

Lab Sample ID: 480-34633-B

Date Cr llexteo: 03dW0c73 74:74

1 at29: Mate2

Date Rexeideo: 03dW7c73 06:W4

1 et/ r o: 8WW0C - hr latile V2Oanix Cr mpr unos g(Cc1 SG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z2epa2eo	) nalAFeo	Dil yax
7d7d7d -TetracNQroetNal e	MD		720		. ujg			03j, 7j73 78:33	7
7d7d7 -TricNQroetNal e	MD		720		. ujg			03j, 7j73 78:33	7
7d7d d -TetracNQroetNal e	MD		0250		. ujg			03j, 7j73 78:33	7
7d7d -TricNQroetNal e	MD		720		. ujg			03j, 7j73 78:33	7
7d7-DicNQroetNal e	MD		720		. ujg			03j, 7j73 78:33	7
7d7-DicNQroetNel e	MD		720		. ujg			03j, 7j73 78:33	7
7d7-DicNQro9ro9el e	MD		720		. ujg			03j, 7j73 78:33	7
7d d3-TricNQrobel pel e	MD		720		. ujg			03j, 7j73 78:33	7
7d d3-TricNQro9ro9al e	MD		720		. ujg			03j, 7j73 78:33	7
7d d4-TricNQrobel pel e	MD		720		. ujg			03j, 7j73 78:33	7
7d d4-TrimetNWCel pel e	MD		720		. ujg			03j, 7j73 78:33	7
7d -Dibromo-3-1 NQro9ro9al e	MD		520		. ujg			03j, 7j73 78:33	7
7d -DicNQrobel pel e	MD		720		. ujg			03j, 7j73 78:33	7
7d -DicNQroetNal e	MD		720		. ujg			03j, 7j73 78:33	7
7d -DicNQro9ro9al e	MD		720		. ujg			03j, 7j73 78:33	7
7d3d5-TrimetNWCel pel e	MD		720		. ujg			03j, 7j73 78:33	7
7d3-DicNQrobel pel e	MD		720		. ujg			03j, 7j73 78:33	7
7d3-DicNQro9ro9al e	MD		720		. ujg			03j, 7j73 78:33	7
7d4-DicNQrobel pel e	MD		720		. ujg			03j, 7j73 78:33	7
7d4-Diozal e	MD		50		. ujg			03j, 7j73 78:33	7
, d -DicNQro9ro9al e	MD		720		. ujg			03j, 7j73 78:33	7
, -x. tal ol e BRn(K	MD		70		. ujg			03j, 7j73 78:33	7
, -1 NQrotoCel e	MD		720		. ujg			03j, 7j73 78:33	7
, -Hezal ol e	MD		70		. ujg			03j, 7j73 78:33	7
4-1 NQrotoCel e	MD		720		. ujg			03j, 7j73 78:33	7
4-Iso9ro9WCoCel e	MD		720		. ujg			03j, 7j73 78:33	7
4-RetNWC, -9el tal ol e BRIx(K	MD		70		. ujg			03j, 7j73 78:33	7
Acetol e	MD		50		. ujg			03j, 7j73 78:33	7
xel pel e	MD		720		. ujg			03j, 7j73 78:33	7
xromobel pel e	MD		720		. ujg			03j, 7j73 78:33	7
xromoform	MD		720		. ujg			03j, 7j73 78:33	7
xromometNal e	MD		, 20		. ujg			03j, 7j73 78:33	7
1 arbol yis. Cye	MD		70		. ujg			03j, 7j73 78:33	7
1 arbol tetracNQriye	MD		720		. ujg			03j, 7j73 78:33	7
1 NQrobel pel e	MD		720		. ujg			03j, 7j73 78:33	7
1 NQrobromometNal e	MD		720		. ujg			03j, 7j73 78:33	7
1 NQroyibromometNal e	MD		0250		. ujg			03j, 7j73 78:33	7
1 NQroetNal e	MD		, 20		. ujg			03j, 7j73 78:33	7
1 NQroform	MD		720		. ujg			03j, 7j73 78:33	7

Client Sample ID: DPz003-W07303W0-07

Lab Sample ID: 480-34633-B

Date Cr llexteo: 03dW0c73 74:74

1 at29: Mate2

Date Rexeideo: 03dW7c73 06:W4

1 et/ r o: 8WW0C - hr latile V2Oanix Cr mpr unos g(Cc1 SGgCr ntinueoG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z2epa2eo	) nalAFeo	Dil yax
1 NQorometNal e	MD		, 20		. ujg			03j, 7j73 78:33	7
xis-7,WDix/ lr 2r et/ ene	**7T7**		720		. ujg			03j, 7j73 78:33	7
cis-7c8-DicNQoro9ro9el e	MD		0240		. ujg			03j, 7j73 78:33	7
DicNQorobromometNal e	MD		0250		. ujg			03j, 7j73 78:33	7
DicNQoroyifCorometNal e	MD		720		. ujg			03j, 7j73 78:33	7
ntNWQetNer	MD		720		. ujg			03j, 7j73 78:33	7
ntNWQel pel e	MD		720		. ujg			03j, 7j73 78:33	7
ntNWQel e Dibromiye	MD		720		. ujg			03j, 7j73 78:33	7
HezacNQorob. tayiel e	MD		0240		. ujg			03j, 7j73 78:33	7
Iso9ro9WQetNer	MD		70		. ujg			03j, 7j73 78:33	7
Iso9ro9WQel pel e	MD		720		. ujg			03j, 7j73 78:33	7
RetNWQtert-b. tWQetNer	MD		720		. ujg			03j, 7j73 78:33	7
RetNWQel e 1 NQoriye	MD		720		. ujg			03j, 7j73 78:33	7
m-XWQel e & 9-XWQel e	MD		, 20		. ujg			03j, 7j73 78:33	7
Ma9NtNaQel e	MD		520		. ujg			03j, 7j73 78:33	7
l -x. tWQel pel e	MD		720		. ujg			03j, 7j73 78:33	7
M-hro9WQel pel e	MD		720		. ujg			03j, 7j73 78:33	7
o-XWQel e	MD		720		. ujg			03j, 7j73 78:33	7
sec-x. tWQel pel e	MD		720		. ujg			03j, 7j73 78:33	7
/ tWel e	MD		720		. ujg			03j, 7j73 78:33	7
Tert-amWQmetNWQetNer	MD		520		. ujg			03j, 7j73 78:33	7
Tert-b. tWQetNWQetNer	MD		520		. ujg			03j, 7j73 78:33	7
tert-x. tWQel pel e	MD		720		. ujg			03j, 7j73 78:33	7
TetracNQoroetNel e	MD		720		. ujg			03j, 7j73 78:33	7
TetraNWyrof. ral	MD		70		. ujg			03j, 7j73 78:33	7
ToCel e	MD		720		. ujg			03j, 7j73 78:33	7
tral s-7d -DicNQoroetNel e	MD		720		. ujg			03j, 7j73 78:33	7
tral s-7c8-DicNQoro9ro9el e	MD		0240		. ujg			03j, 7j73 78:33	7
. 2ix/ lr 2r et/ ene	**WB**		720		. ujg			03j, 7j73 78:33	7
TricNQorofCorometNal e	MD		720		. ujg			03j, 7j73 78:33	7
Vil WQcNQoriye	MD		0250		. ujg			03j, 7j73 78:33	7
DibromometNal e	MD		720		. ujg			03j, 7j73 78:33	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*70 - 130*		*03/21/13 18:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*		*03/21/13 18:33*	*1*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*03/21/13 18:33*	*1*

Client Sample ID: 1 M7033-W07303W0-07

Lab Sample ID: 480-34633-70

Date Cr llexteo: 03dW0c73 7WW7

1 at29: Mate2

Date Rexeideo: 03dW7c73 06:W4

1 et/ r o: 8WW05 Sl1 - hr latile V2Oanix Cr mpr unos g(Cc1 SG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z2epa2eo	) nalAFeo	Dil yax
7,4-Dir 9ane	**4T6**		72L		. ujg			03j, 5j73 74:50	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
TBA-d9 (Surr)	*110*		*50 - 150*		*03/25/13 14:50*	*1*
Dibromofluoromethane (Surr)	*92*		*50 - 150*		*03/25/13 14:50*	*1*

Client Sample ID: 1 M7033-W07303W0-07

Date Cr llexteo: 03dW0c73 7WW
Date Rexeideo: 03dW7c73 06:W4

Lab Sample ID: 480-34633-70

1 at29: Mate2

1 et/ r o: 8WW0C - hr latile V2Oanix Cr mpr unos g(Cc1 SG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z 2epa2eo	) nalAFeo	Dil yax
7d7d7d -TetracNQroetNal e	MD		720		. ujg			03j, 7j73 78:58	7
7d7d7 -TricNQroetNal e	MD		720		. ujg			03j, 7j73 78:58	7
7d7d d -TetracNQroetNal e	MD		0250		. ujg			03j, 7j73 78:58	7
7d7d -TricNQroetNal e	MD		720		. ujg			03j, 7j73 78:58	7
7d7-DicNQroetNal e	MD		720		. ujg			03j, 7j73 78:58	7
7,7-Dix/ lr 2r et/ ene	**7Tf**		720		. ujg			03j, 7j73 78:58	7
7d7-DicNQro9ro9el e	MD		720		. ujg			03j, 7j73 78:58	7
7d d3-TricNQrobel pel e	MD		720		. ujg			03j, 7j73 78:58	7
7d d3-TricNQro9ro9al e	MD		720		. ujg			03j, 7j73 78:58	7
7d d4-TricNQrobel pel e	MD		720		. ujg			03j, 7j73 78:58	7
7d d4-TrimetNWQel pel e	MD		720		. ujg			03j, 7j73 78:58	7
7d -Dibromo-3-1 NQro9ro9al e	MD		520		. ujg			03j, 7j73 78:58	7
7d -DicNQrobel pel e	MD		720		. ujg			03j, 7j73 78:58	7
7d -DicNQroetNal e	MD		720		. ujg			03j, 7j73 78:58	7
7d -DicNQro9ro9al e	MD		720		. ujg			03j, 7j73 78:58	7
7d3d5-TrimetNWQel pel e	MD		720		. ujg			03j, 7j73 78:58	7
7d3-DicNQrobel pel e	MD		720		. ujg			03j, 7j73 78:58	7
7d3-DicNQro9ro9al e	MD		720		. ujg			03j, 7j73 78:58	7
7d4-DicNQrobel pel e	MD		720		. ujg			03j, 7j73 78:58	7
7d4-Diozal e	MD		50		. ujg			03j, 7j73 78:58	7
, d -DicNQro9ro9al e	MD		720		. ujg			03j, 7j73 78:58	7
, -x . tal ol e BRn (K	MD		70		. ujg			03j, 7j73 78:58	7
, -1 NQrotoCel e	MD		720		. ujg			03j, 7j73 78:58	7
, -Hezal ol e	MD		70		. ujg			03j, 7j73 78:58	7
4-1 NQrotoCel e	MD		720		. ujg			03j, 7j73 78:58	7
4-Iso9ro9WQoCel e	MD		720		. ujg			03j, 7j73 78:58	7
4-RetNWQ, -9el tal ol e BRIx (K	MD		70		. ujg			03j, 7j73 78:58	7
Acetol e	MD		50		. ujg			03j, 7j73 78:58	7
x el pel e	MD		720		. ujg			03j, 7j73 78:58	7
x romobel pel e	MD		720		. ujg			03j, 7j73 78:58	7
x romoform	MD		720		. ujg			03j, 7j73 78:58	7
x romometNal e	MD		, 20		. ujg			03j, 7j73 78:58	7
1 arbol yis. Qiye	MD		70		. ujg			03j, 7j73 78:58	7
1 arbol tetracNQriye	MD		720		. ujg			03j, 7j73 78:58	7
1 NQrobel pel e	MD		720		. ujg			03j, 7j73 78:58	7
1 NQrobromometNal e	MD		720		. ujg			03j, 7j73 78:58	7
1 NQroyibromometNal e	MD		0250		. ujg			03j, 7j73 78:58	7
1 NQroetNal e	MD		, 20		. ujg			03j, 7j73 78:58	7
1 NQroform	MD		720		. ujg			03j, 7j73 78:58	7
1 NQrometNal e	MD		, 20		. ujg			03j, 7j73 78:58	7
xis-7,WDix/ lr 2r et/ ene	**7TB**		720		. ujg			03j, 7j73 78:58	7
cis-7d3-DicNQro9ro9el e	MD		0240		. ujg			03j, 7j73 78:58	7
DicNQrobromometNal e	MD		0250		. ujg			03j, 7j73 78:58	7
DicNQroyifCorometNal e	MD		720		. ujg			03j, 7j73 78:58	7
ntNWQetNer	MD		720		. ujg			03j, 7j73 78:58	7
ntNWQel pel e	MD		720		. ujg			03j, 7j73 78:58	7
ntNWQl e Dibromiye	MD		720		. ujg			03j, 7j73 78:58	7
HezacNQrob. tayiel e	MD		0240		. ujg			03j, 7j73 78:58	7
Iso9ro9WQetNer	MD		70		. ujg			03j, 7j73 78:58	7

Client Sample ID: 1 M7033-W07303W0-07

Lab Sample ID: 480-34633-70

Date Cr llexteo: 03dW0c73 7WW
1 at29: Mate2
Date Rexeideo: 03dW7c73 06:W4

1 et/ r o: 8WW0C - hr latile V2Oanix Cr mpr unos g(Cc1 SGgCr ntinueoG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z2epa2eo	) nalAFeo	Dil yax
Iso9ro9WQel pel e	MD		720		. ujg			03j, 7j73 78:58	7
RetNWQtert-b. tWQetNer	MD		720		. ujg			03j, 7j73 78:58	7
RetNWQel e 1 NQriye	MD		720		. ujg			03j, 7j73 78:58	7
m-XWQel e & 9-XWQel e	MD		, 20		. ujg			03j, 7j73 78:58	7
Ma9NtNaQel e	MD		520		. ujg			03j, 7j73 78:58	7
l -x . tWQel pel e	MD		720		. ujg			03j, 7j73 78:58	7
M-hro9WQel pel e	MD		720		. ujg			03j, 7j73 78:58	7
o-XWQel e	MD		720		. ujg			03j, 7j73 78:58	7
sec-x . tWQel pel e	MD		720		. ujg			03j, 7j73 78:58	7
/ tWel e	MD		720		. ujg			03j, 7j73 78:58	7
Tert-amWQmetNWQetNer	MD		520		. ujg			03j, 7j73 78:58	7
Tert-b. tWQetNWQetNer	MD		520		. ujg			03j, 7j73 78:58	7
tert-x . tWQel pel e	MD		720		. ujg			03j, 7j73 78:58	7
TetracNQroetNel e	MD		720		. ujg			03j, 7j73 78:58	7
TetraNWyrof. ral	MD		70		. ujg			03j, 7j73 78:58	7
ToCel e	MD		720		. ujg			03j, 7j73 78:58	7
tral s-7d -DicNQroetNel e	MD		720		. ujg			03j, 7j73 78:58	7
tral s-7d8-DicNQro9ro9el e	MD		0240		. ujg			03j, 7j73 78:58	7
. 2ix/ Ir 2r et/ ene	74		720		. ujg			03j, 7j73 78:58	7
TricNQrofCorometNal e	MD		720		. ujg			03j, 7j73 78:58	7
Vil WQcNQriye	MD		0250		. ujg			03j, 7j73 78:58	7
DibromometNal e	MD		720		. ujg			03j, 7j73 78:58	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*03/21/13 18:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*03/21/13 18:58*	*1*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*03/21/13 18:58*	*1*

1 et/ r o: fWW1 VD - 7,4 Dir 9ane g(Cc1 S Sl1 G

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z2epa2eo	) nalAFeo	Dil yax
7,4-Dir 9ane	374		02, 0		. ujg		03j, 6j73 74:05	03j, 6j73 7* :30	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8 (Surr)	*78*		*70 - 130*	*03/27/13 14:05*	*03/27/13 19:30*	*1*

Client Sample ID: 1 M7034-W07303W0-07

Lab Sample ID: 480-34633-77

Date Cr llexteo: 03dW0c73 77:7f
1 at29: Mate2
Date Rexeideo: 03dW7c73 06:W4

1 et/ r o: 8WW05 Sl1 - hr latile V2Oanix Cr mpr unos g(Cc1 SG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z2epa2eo	) nalAFeo	Dil yax
7d4-Diozal e	MD		72L		. ujg			03j, 5j73 75:74	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
TBA-d9 (Surr)	*99*		*50 - 150*		*03/25/13 15:14*	*1*
Dibromofluoromethane (Surr)	*89*		*50 - 150*		*03/25/13 15:14*	*1*

1 et/ r o: 8WW0C - hr latile V2Oanix Cr mpr unos g(Cc1 SG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z2epa2eo	) nalAFeo	Dil yax
7d7d7d -TetracNQroetNal e	MD		720		. ujg			03j, 7j73 7* :, 3	7
7d7d7-TricNQroetNal e	MD		720		. ujg			03j, 7j73 7* :, 3	7

Client Sample ID: 1 M7034-W07303W0-07

Date Cr llexteo: 03dW0c73 77:7f
Date Rexeideo: 03dW7c73 06:W4

Lab Sample ID: 480-34633-77

1 at29: Mate2

1 et/ r o: 8WW0C - hr latile V2Oanix Cr mpr unos g(Cc1 SGgCr ntinueoG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z 2epa2eo	) nalAFeo	Dil yax
7d7d d -TetracNCroetNal e	MD		0250		. ujg			03j, 7j73 7*:, 3	7
7d7d -TricNCroetNal e	MD		720		. ujg			03j, 7j73 7*:, 3	7
7d7-DicNCroetNal e	MD		720		. ujg			03j, 7j73 7*:, 3	7
7d7-DicNCroetNel e	MD		720		. ujg			03j, 7j73 7*:, 3	7
7d7-DicNCro9ro9el e	MD		720		. ujg			03j, 7j73 7*:, 3	7
7d d8-TricNCrobel pel e	MD		720		. ujg			03j, 7j73 7*:, 3	7
7d d8-TricNCro9ro9al e	MD		720		. ujg			03j, 7j73 7*:, 3	7
7d d4-TricNCrobel pel e	MD		720		. ujg			03j, 7j73 7*:, 3	7
7d d4-TrimetNWCel pel e	MD		720		. ujg			03j, 7j73 7*:, 3	7
7d -Dibromo-3-1 NCro9ro9al e	MD		520		. ujg			03j, 7j73 7*:, 3	7
7d -DicNCrobel pel e	MD		720		. ujg			03j, 7j73 7*:, 3	7
7d -DicNCroetNal e	MD		720		. ujg			03j, 7j73 7*:, 3	7
7d -DicNCro9ro9al e	MD		720		. ujg			03j, 7j73 7*:, 3	7
7d8d5-TrimetNWCel pel e	MD		720		. ujg			03j, 7j73 7*:, 3	7
7d8-DicNCrobel pel e	MD		720		. ujg			03j, 7j73 7*:, 3	7
7d8-DicNCro9ro9al e	MD		720		. ujg			03j, 7j73 7*:, 3	7
7d4-DicNCrobel pel e	MD		720		. ujg			03j, 7j73 7*:, 3	7
7d4-Diozal e	MD		50		. ujg			03j, 7j73 7*:, 3	7
, d -DicNCro9ro9al e	MD		720		. ujg			03j, 7j73 7*:, 3	7
, -x . tal ol e BRn(K	MD		70		. ujg			03j, 7j73 7*:, 3	7
, -1 NCrotoCel e	MD		720		. ujg			03j, 7j73 7*:, 3	7
, -Hezal ol e	MD		70		. ujg			03j, 7j73 7*:, 3	7
4-1 NCrotoCel e	MD		720		. ujg			03j, 7j73 7*:, 3	7
4-Iso9ro9WCoCel e	MD		720		. ujg			03j, 7j73 7*:, 3	7
4-RetNWC, -9el tal ol e BRIx(K	MD		70		. ujg			03j, 7j73 7*:, 3	7
Acetol e	MD		50		. ujg			03j, 7j73 7*:, 3	7
xel pel e	MD		720		. ujg			03j, 7j73 7*:, 3	7
xromobel pel e	MD		720		. ujg			03j, 7j73 7*:, 3	7
xromoform	MD		720		. ujg			03j, 7j73 7*:, 3	7
xromometNal e	MD		, 20		. ujg			03j, 7j73 7*:, 3	7
1 arbol yis. Cye	MD		70		. ujg			03j, 7j73 7*:, 3	7
1 arbol tetracNCriye	MD		720		. ujg			03j, 7j73 7*:, 3	7
1 NCrobel pel e	MD		720		. ujg			03j, 7j73 7*:, 3	7
1 NCrobromometNal e	MD		720		. ujg			03j, 7j73 7*:, 3	7
1 NCroyibromometNal e	MD		0250		. ujg			03j, 7j73 7*:, 3	7
1 NCroetNal e	MD		, 20		. ujg			03j, 7j73 7*:, 3	7
1 NCroform	MD		720		. ujg			03j, 7j73 7*:, 3	7
1 NCrometNal e	MD		, 20		. ujg			03j, 7j73 7*:, 3	7
xis-7,WDix/ lr 2r et/ ene	**7v**		720		. ujg			03j, 7j73 7*:, 3	7
cis-7d8-DicNCro9ro9el e	MD		0240		. ujg			03j, 7j73 7*:, 3	7
DicNCrobromometNal e	MD		0250		. ujg			03j, 7j73 7*:, 3	7
DicNCroyifCorometNal e	MD		720		. ujg			03j, 7j73 7*:, 3	7
ntNWCetNer	MD		720		. ujg			03j, 7j73 7*:, 3	7
ntNWCel pel e	MD		720		. ujg			03j, 7j73 7*:, 3	7
ntNWCl e Dibromiye	MD		720		. ujg			03j, 7j73 7*:, 3	7
HezacNCrob. tayiel e	MD		0240		. ujg			03j, 7j73 7*:, 3	7
Iso9ro9WCetNer	MD		70		. ujg			03j, 7j73 7*:, 3	7
Iso9ro9WCel pel e	MD		720		. ujg			03j, 7j73 7*:, 3	7
RetNWCtert-b. tWCetNer	MD		720		. ujg			03j, 7j73 7*:, 3	7

Client Sample ID: 1 M7034-W07303W0-07

Lab Sample ID: 480-34633-77

Date Cr llexteo: 03dW0c73 77:7f

1 at2i9: Mate2

Date Rexeideo: 03dW7c73 06:W4

1 et/ r o: 8WW0C - hr latile V2Oanix Cr mpr unos g(Cc1 SGgCr ntinueoG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z2epa2eo	) nalAFeo	Dil yax
RetNWQel e 1 NQoriye	MD		720		. ujg			03j, 7j73 7*:, 3	7
m-XWQel e & 9-XWQel e	MD		, 20		. ujg			03j, 7j73 7*:, 3	7
Ma9NtNaQel e	MD		520		. ujg			03j, 7j73 7*:, 3	7
l -x. tWQel pel e	MD		720		. ujg			03j, 7j73 7*:, 3	7
M-hro9WQel pel e	MD		720		. ujg			03j, 7j73 7*:, 3	7
o-XWQel e	MD		720		. ujg			03j, 7j73 7*:, 3	7
sec-x. tWQel pel e	MD		720		. ujg			03j, 7j73 7*:, 3	7
/ tWel e	MD		720		. ujg			03j, 7j73 7*:, 3	7
Tert-amWQmetNWQetNer	MD		520		. ujg			03j, 7j73 7*:, 3	7
Tert-b. tWQetNWQetNer	MD		520		. ujg			03j, 7j73 7*:, 3	7
tert-x. tWQel pel e	MD		720		. ujg			03j, 7j73 7*:, 3	7
TetracNQroetNel e	MD		720		. ujg			03j, 7j73 7*:, 3	7
TetraNWyrof. ral	MD		70		. ujg			03j, 7j73 7*:, 3	7
ToCel e	MD		720		. ujg			03j, 7j73 7*:, 3	7
tral s-7d -DicNQroetNel e	MD		720		. ujg			03j, 7j73 7*:, 3	7
tral s-7d8-DicNQro9ro9el e	MD		0240		. ujg			03j, 7j73 7*:, 3	7
. 2ix/ Ir 2r et/ ene	**3B**		720		. ujg			03j, 7j73 7*:, 3	7
TricNQorofCorometNal e	MD		720		. ujg			03j, 7j73 7*:, 3	7
Vil WQcNQoriye	MD		0250		. ujg			03j, 7j73 7*:, 3	7
DibromometNal e	MD		720		. ujg			03j, 7j73 7*:, 3	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*03/21/13 19:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*03/21/13 19:23*	*1*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*03/21/13 19:23*	*1*

1 et/ r o: f WW1 VD - 7,4 Dir 9ane g(Cc1 S Sl1 G

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z2epa2eo	) nalAFeo	Dil yax
7,4-Dir 9ane	**0TB**		02 0		. ujg		03j, 6j73 74:05	03j, 6j73 7*:45	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8 (Surr)	*84*		*70 - 130*	*03/27/13 14:05*	*03/27/13 19:45*	*1*

Client Sample ID: DPz 00WW07303W0-07

Lab Sample ID: 480-34633-7W

Date Cr llexteo: 03dW0c73 77:77

1 at2i9: Mate2

Date Rexeideo: 03dW7c73 06:W4

1 et/ r o: 8WW0C - hr latile V2Oanix Cr mpr unos g(Cc1 SG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z2epa2eo	) nalAFeo	Dil yax
7d7d -TetracNQroetNal e	MD		720		. ujg			03j, 7j73 7*:4*	7
7d7d7-TricNQroetNal e	MD		720		. ujg			03j, 7j73 7*:4*	7
7d7d d -TetracNQroetNal e	MD		0250		. ujg			03j, 7j73 7*:4*	7
7d7d -TricNQroetNal e	MD		720		. ujg			03j, 7j73 7*:4*	7
7d7-DicNQroetNal e	MD		720		. ujg			03j, 7j73 7*:4*	7
7,7-Dix/ Ir 2r et/ ene	**7T4**		720		. ujg			03j, 7j73 7*:4*	7
7d7-DicNQro9ro9el e	MD		720		. ujg			03j, 7j73 7*:4*	7
7d d8-TricNQrobel pel e	MD		720		. ujg			03j, 7j73 7*:4*	7
7d d8-TricNQro9ro9al e	MD		720		. ujg			03j, 7j73 7*:4*	7
7d d4-TricNQrobel pel e	MD		720		. ujg			03j, 7j73 7*:4*	7
7d d4-TrimetNWQel pel e	MD		720		. ujg			03j, 7j73 7*:4*	7

Client Sample ID: DPz 00WW07303W0-07

Date Cr llexteo: 03dW0c73 77:77
Date Rexeideo: 03dW7c73 06:W4

Lab Sample ID: 480-34633-7W

1 at29: Mate2

1 et/ r o: 8W0C - hr latile V2Oanix Cr mpr unos g(Cc1 SGgCr ntinueoG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z 2epa2eo	) nalAFeo	Dil yax
7d -Dibromo-3-1 NQoro9ro9al e	MD		520		. ujg			03j, 7j73 7*:4*	7
7d -DicNQorobel pel e	MD		720		. ujg			03j, 7j73 7*:4*	7
7d -DicNQoroetNal e	MD		720		. ujg			03j, 7j73 7*:4*	7
7d -DicNQoro9ro9al e	MD		720		. ujg			03j, 7j73 7*:4*	7
7d8d5-TrimetNW0el pel e	MD		720		. ujg			03j, 7j73 7*:4*	7
7d8-DicNQorobel pel e	MD		720		. ujg			03j, 7j73 7*:4*	7
7d8-DicNQoro9ro9al e	MD		720		. ujg			03j, 7j73 7*:4*	7
7d4-DicNQorobel pel e	MD		720		. ujg			03j, 7j73 7*:4*	7
7d4-Diozal e	MD		50		. ujg			03j, 7j73 7*:4*	7
, d -DicNQoro9ro9al e	MD		720		. ujg			03j, 7j73 7*:4*	7
, -x . tal ol e BRn(K	MD		70		. ujg			03j, 7j73 7*:4*	7
, -1 NQorotoCel e	MD		720		. ujg			03j, 7j73 7*:4*	7
, -Hezal ol e	MD		70		. ujg			03j, 7j73 7*:4*	7
4-1 NQorotoCel e	MD		720		. ujg			03j, 7j73 7*:4*	7
4-Iso9ro9W0oCel e	MD		720		. ujg			03j, 7j73 7*:4*	7
4-RetNW0, -9el tal ol e BRIx(K	MD		70		. ujg			03j, 7j73 7*:4*	7
Acetol e	MD		50		. ujg			03j, 7j73 7*:4*	7
xel pel e	MD		720		. ujg			03j, 7j73 7*:4*	7
xromobel pel e	MD		720		. ujg			03j, 7j73 7*:4*	7
xromoform	MD		720		. ujg			03j, 7j73 7*:4*	7
xromometNal e	MD		, 20		. ujg			03j, 7j73 7*:4*	7
1 arbol yis. 01ye	MD		70		. ujg			03j, 7j73 7*:4*	7
1 arbol tetracNQoriye	MD		720		. ujg			03j, 7j73 7*:4*	7
1 NQorobel pel e	MD		720		. ujg			03j, 7j73 7*:4*	7
1 NQorobromomet Nal e	MD		720		. ujg			03j, 7j73 7*:4*	7
1 NQoroyibromomet Nal e	MD		0250		. ujg			03j, 7j73 7*:4*	7
1 NQoroetNal e	MD		, 20		. ujg			03j, 7j73 7*:4*	7
1 NQoroform	MD		720		. ujg			03j, 7j73 7*:4*	7
1 NQorometNal e	MD		, 20		. ujg			03j, 7j73 7*:4*	7
xis-7,WDix/ lr 2r et/ ene	**7T8**		720		. ujg			03j, 7j73 7*:4*	7
cis-7d8-DicNQoro9ro9el e	MD		0240		. ujg			03j, 7j73 7*:4*	7
DicNQorobromomet Nal e	MD		0250		. ujg			03j, 7j73 7*:4*	7
DicNQoroyifCorometNal e	MD		720		. ujg			03j, 7j73 7*:4*	7
ntNW0etNer	MD		720		. ujg			03j, 7j73 7*:4*	7
ntNW0el pel e	MD		720		. ujg			03j, 7j73 7*:4*	7
ntNW0el e Dibromiye	MD		720		. ujg			03j, 7j73 7*:4*	7
HezacNQorob. tayiel e	MD		0240		. ujg			03j, 7j73 7*:4*	7
Iso9ro9W0etNer	MD		70		. ujg			03j, 7j73 7*:4*	7
Iso9ro9W0el pel e	MD		720		. ujg			03j, 7j73 7*:4*	7
RetNW0tert-b. tW0etNer	MD		720		. ujg			03j, 7j73 7*:4*	7
RetNW0el e 1 NQoriye	MD		720		. ujg			03j, 7j73 7*:4*	7
m-XW0el e & 9-XW0el e	MD		, 20		. ujg			03j, 7j73 7*:4*	7
Ma9NtNaQl e	MD		520		. ujg			03j, 7j73 7*:4*	7
l -x . tW0el pel e	MD		720		. ujg			03j, 7j73 7*:4*	7
M-hro9W0el pel e	MD		720		. ujg			03j, 7j73 7*:4*	7
o-XW0el e	MD		720		. ujg			03j, 7j73 7*:4*	7
sec-x . tW0el pel e	MD		720		. ujg			03j, 7j73 7*:4*	7
/ tWel e	MD		720		. ujg			03j, 7j73 7*:4*	7
Tert-amW0metNW0etNer	MD		520		. ujg			03j, 7j73 7*:4*	7

Client Sample ID: DPz 00WW07303W0-07

Lab Sample ID: 480-34633-7W

Date Cr llexteo: 03dW0c73 77:77

1 at29: Mate2

Date Rexeideo: 03dW7c73 06:W4

1 et/ r o: 8Ww0C - hr latile V2Oanix Cr mpr unos g(Cd SGgCr ntinueoG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z 2epa2eo	) nalAFeo	Dil yax
Tert-b. tWQetNWQetNer	MD		520		. ujg			03j, 7j73 7*:4*	7
tert-x . tWQel pel e	MD		720		. ujg			03j, 7j73 7*:4*	7
TetracNQroetNel e	MD		720		. ujg			03j, 7j73 7*:4*	7
TetraNWyrof. ral	MD		70		. ujg			03j, 7j73 7*:4*	7
ToCel e	MD		720		. ujg			03j, 7j73 7*:4*	7
tral s-7d -DicNQroetNel e	MD		720		. ujg			03j, 7j73 7*:4*	7
tral s-7d8-DicNQro9ro9el e	MD		0240		. ujg			03j, 7j73 7*:4*	7
. 2ix/ lr 2r et/ ene	73		720		. ujg			03j, 7j73 7*:4*	7
TricNQrofCorometNal e	MD		720		. ujg			03j, 7j73 7*:4*	7
Vil WQcNQriye	MD		0250		. ujg			03j, 7j73 7*:4*	7
DibromometNal e	MD		720		. ujg			03j, 7j73 7*:4*	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*70 - 130*		*03/21/13 19:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*03/21/13 19:49*	*1*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*03/21/13 19:49*	*1*

Client Sample ID: 1 M70W8-W07303W0-07

Lab Sample ID: 480-34633-73

Date Cr llexteo: 03dW0c73 74:00

1 at29: Mate2

Date Rexeideo: 03dW7c73 06:W4

1 et/ r o: 8Ww0C - hr latile V2Oanix Cr mpr unos g(Cd SG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z 2epa2eo	) nalAFeo	Dil yax
7d7d7d -TetracNQroetNal e	MD		720		. ujg			03j, 7j73 , 0:74	7
7d7d7-TricNQroetNal e	MD		720		. ujg			03j, 7j73 , 0:74	7
7d7d d -TetracNQroetNal e	MD		0250		. ujg			03j, 7j73 , 0:74	7
7d7d -TricNQroetNal e	MD		720		. ujg			03j, 7j73 , 0:74	7
7d7-DicNQroetNal e	MD		720		. ujg			03j, 7j73 , 0:74	7
7d7-DicNQroetNel e	MD		720		. ujg			03j, 7j73 , 0:74	7
7d7-DicNQro9ro9el e	MD		720		. ujg			03j, 7j73 , 0:74	7
7d d3-TricNQrobel pel e	MD		720		. ujg			03j, 7j73 , 0:74	7
7d d3-TricNQro9ro9al e	MD		720		. ujg			03j, 7j73 , 0:74	7
7d d4-TricNQrobel pel e	MD		720		. ujg			03j, 7j73 , 0:74	7
7d d4-TrimetNWQel pel e	MD		720		. ujg			03j, 7j73 , 0:74	7
7d -Dibromo-3-1 NQro9ro9al e	MD		520		. ujg			03j, 7j73 , 0:74	7
7d -DicNQrobel pel e	MD		720		. ujg			03j, 7j73 , 0:74	7
7d -DicNQroetNal e	MD		720		. ujg			03j, 7j73 , 0:74	7
7d -DicNQro9ro9al e	MD		720		. ujg			03j, 7j73 , 0:74	7
7d3d5-TrimetNWQel pel e	MD		720		. ujg			03j, 7j73 , 0:74	7
7d3-DicNQrobel pel e	MD		720		. ujg			03j, 7j73 , 0:74	7
7d3-DicNQro9ro9al e	MD		720		. ujg			03j, 7j73 , 0:74	7
7d4-DicNQrobel pel e	MD		720		. ujg			03j, 7j73 , 0:74	7
7d4-Diozal e	MD		50		. ujg			03j, 7j73 , 0:74	7
, d -DicNQro9ro9al e	MD		720		. ujg			03j, 7j73 , 0:74	7
, -x . tal ol e BRn(K	MD		70		. ujg			03j, 7j73 , 0:74	7
, -1 NQrotoCel e	MD		720		. ujg			03j, 7j73 , 0:74	7
, -Hezal ol e	MD		70		. ujg			03j, 7j73 , 0:74	7
4-1 NQrotoCel e	MD		720		. ujg			03j, 7j73 , 0:74	7
4-Iso9ro9WQoCel e	MD		720		. ujg			03j, 7j73 , 0:74	7
4-RetNWQ, -9el tal ol e BRIx(K	MD		70		. ujg			03j, 7j73 , 0:74	7

Client Sample ID: 1 M70W8-W07303W0-07

Date Cr llexteo: 03dW0c73 74:00
Date Rexeideo: 03dW7c73 06:W4

Lab Sample ID: 480-34633-73

1 at29: Mate2

1 et/ r o: 8WW0C - hr latile V2Oanix Cr mpr unos g(Cc1 SGgCr ntinueoG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z 2epa2eo	) nalAFeo	Dil yax
Acetol e	MD		50		. ujg			03j, 7j73 , 0:74	7
xel pel e	MD		720		. ujg			03j, 7j73 , 0:74	7
x romobel pel e	MD		720		. ujg			03j, 7j73 , 0:74	7
x romoform	MD		720		. ujg			03j, 7j73 , 0:74	7
x romometNal e	MD		, 20		. ujg			03j, 7j73 , 0:74	7
1 arbol yis. Qye	MD		70		. ujg			03j, 7j73 , 0:74	7
1 arbol tetracNQriye	MD		720		. ujg			03j, 7j73 , 0:74	7
1 NQrobel pel e	MD		720		. ujg			03j, 7j73 , 0:74	7
1 NQrobromometNal e	MD		720		. ujg			03j, 7j73 , 0:74	7
1 NQroyibromometNal e	MD		0250		. ujg			03j, 7j73 , 0:74	7
1 NQroetNal e	MD		, 20		. ujg			03j, 7j73 , 0:74	7
1 NQroform	MD		720		. ujg			03j, 7j73 , 0:74	7
1 NQrometNal e	MD		, 20		. ujg			03j, 7j73 , 0:74	7
xis-7,WDix/ lr 2r et/ ene	**7Tv**		720		. ujg			03j, 7j73 , 0:74	7
cis-7d8-DicNQro9ro9el e	MD		0240		. ujg			03j, 7j73 , 0:74	7
DicNQrobromometNal e	MD		0250		. ujg			03j, 7j73 , 0:74	7
DicNQroyifCorometNal e	MD		720		. ujg			03j, 7j73 , 0:74	7
ntNWQetNer	MD		720		. ujg			03j, 7j73 , 0:74	7
ntNWQel pel e	MD		720		. ujg			03j, 7j73 , 0:74	7
ntNWQl e Dibromiye	MD		720		. ujg			03j, 7j73 , 0:74	7
HezacNQrob. tayiel e	MD		0240		. ujg			03j, 7j73 , 0:74	7
Iso9ro9WQetNer	MD		70		. ujg			03j, 7j73 , 0:74	7
Iso9ro9WQel pel e	MD		720		. ujg			03j, 7j73 , 0:74	7
RetNWQert-b. tWQetNer	MD		720		. ujg			03j, 7j73 , 0:74	7
RetNWQl e 1 NQriye	MD		720		. ujg			03j, 7j73 , 0:74	7
m-XWQl e & 9-XWQl e	MD		, 20		. ujg			03j, 7j73 , 0:74	7
Ma9NtNaQl e	MD		520		. ujg			03j, 7j73 , 0:74	7
l -x . tWQel pel e	MD		720		. ujg			03j, 7j73 , 0:74	7
M-hro9WQel pel e	MD		720		. ujg			03j, 7j73 , 0:74	7
o-XWQl e	MD		720		. ujg			03j, 7j73 , 0:74	7
sec-x . tWQel pel e	MD		720		. ujg			03j, 7j73 , 0:74	7
/ tWel e	MD		720		. ujg			03j, 7j73 , 0:74	7
Tert-amWQmetNWQetNer	MD		520		. ujg			03j, 7j73 , 0:74	7
Tert-b. tWQetNWQetNer	MD		520		. ujg			03j, 7j73 , 0:74	7
tert-x . tWQel pel e	MD		720		. ujg			03j, 7j73 , 0:74	7
TetracNQroetNel e	MD		720		. ujg			03j, 7j73 , 0:74	7
TetraNWyrof. ral	MD		70		. ujg			03j, 7j73 , 0:74	7
ToCel e	MD		720		. ujg			03j, 7j73 , 0:74	7
tral s-7d -DicNQroetNel e	MD		720		. ujg			03j, 7j73 , 0:74	7
tral s-7d8-DicNQro9ro9el e	MD		0240		. ujg			03j, 7j73 , 0:74	7
. 2ix/ lr 2r et/ ene	**vTB**		720		. ujg			03j, 7j73 , 0:74	7
TricNQrofCorometNal e	MD		720		. ujg			03j, 7j73 , 0:74	7
Vil WQcNQriye	MD		0250		. ujg			03j, 7j73 , 0:74	7
DibromometNal e	MD		720		. ujg			03j, 7j73 , 0:74	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*70 - 130*		*03/21/13 20:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*03/21/13 20:14*	*1*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*03/21/13 20:14*	*1*

Client Sample ID: 1 M70W6-W07303W0-07
Date Cr llexteo: 03dW0c73 7f:0f
Date Rexeideo: 03dW7c73 06:W4

Lab Sample ID: 480-34633-74
1 at29: Mate2

1 et/ r o: 8WW0C - hr latile V2Oanix Cr mpr unos g(Cc1 SG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z 2epa2eo	) nalAFeo	Dil yax
7d7d7d -TetracNQroetNal e	MD		720		. ujg			03j, , j73 03:00	7
7d7d7-TricNQroetNal e	MD		720		. ujg			03j, , j73 03:00	7
7d7d d -TetracNQroetNal e	MD		0250		. ujg			03j, , j73 03:00	7
7d7d -TricNQroetNal e	MD		720		. ujg			03j, , j73 03:00	7
7d7-DicNQroetNal e	MD		720		. ujg			03j, , j73 03:00	7
7d7-DicNQroetNel e	MD		720		. ujg			03j, , j73 03:00	7
7d7-DicNQro9ro9el e	MD		720		. ujg			03j, , j73 03:00	7
7d d3-TricNQrobel pel e	MD		720		. ujg			03j, , j73 03:00	7
7d d3-TricNQro9ro9al e	MD		720		. ujg			03j, , j73 03:00	7
7d d4-TricNQrobel pel e	MD		720		. ujg			03j, , j73 03:00	7
7d d4-TrimetNWQel pel e	MD		720		. ujg			03j, , j73 03:00	7
7d -Dibromo-3-1 NQro9ro9al e	MD		520		. ujg			03j, , j73 03:00	7
7d -DicNQrobel pel e	MD		720		. ujg			03j, , j73 03:00	7
7d -DicNQroetNal e	MD		720		. ujg			03j, , j73 03:00	7
7d -DicNQro9ro9al e	MD		720		. ujg			03j, , j73 03:00	7
7d3d5-TrimetNWQel pel e	MD		720		. ujg			03j, , j73 03:00	7
7d3-DicNQrobel pel e	MD		720		. ujg			03j, , j73 03:00	7
7d3-DicNQro9ro9al e	MD		720		. ujg			03j, , j73 03:00	7
7d4-DicNQrobel pel e	MD		720		. ujg			03j, , j73 03:00	7
7d4-Diozal e	MD		50		. ujg			03j, , j73 03:00	7
, d -DicNQro9ro9al e	MD		720		. ujg			03j, , j73 03:00	7
, -x . tal ol e BRn(K	MD	)	70		. ujg			03j, , j73 03:00	7
, -1 NQrotoCel e	MD		720		. ujg			03j, , j73 03:00	7
, -Hezal ol e	MD		70		. ujg			03j, , j73 03:00	7
4-1 NQrotoCel e	MD		720		. ujg			03j, , j73 03:00	7
4-Iso9ro9WQoCel e	MD		720		. ujg			03j, , j73 03:00	7
4-RetNWQ, -9el tal ol e BRIx(K	MD		70		. ujg			03j, , j73 03:00	7
Acetol e	MD		50		. ujg			03j, , j73 03:00	7
x el pel e	MD		720		. ujg			03j, , j73 03:00	7
x romobel pel e	MD		720		. ujg			03j, , j73 03:00	7
x romoform	MD		720		. ujg			03j, , j73 03:00	7
x romometNal e	MD		, 20		. ujg			03j, , j73 03:00	7
1 arbol yis. Qiye	MD		70		. ujg			03j, , j73 03:00	7
1 arbol tetracNQriye	MD		720		. ujg			03j, , j73 03:00	7
1 NQrobel pel e	MD		720		. ujg			03j, , j73 03:00	7
1 NQrobromometNal e	MD		720		. ujg			03j, , j73 03:00	7
1 NQroyibromometNal e	MD		0250		. ujg			03j, , j73 03:00	7
1 NQroetNal e	MD		, 20		. ujg			03j, , j73 03:00	7
1 NQroform	MD		720		. ujg			03j, , j73 03:00	7
1 NQrometNal e	MD		, 20		. ujg			03j, , j73 03:00	7
cis-7d -DicNQroetNel e	MD		720		. ujg			03j, , j73 03:00	7
cis-7d3-DicNQro9ro9el e	MD		0240		. ujg			03j, , j73 03:00	7
DicNQrobromometNal e	MD		0250		. ujg			03j, , j73 03:00	7
DicNQroyifCorometNal e	MD		720		. ujg			03j, , j73 03:00	7
ntNWQetNer	MD		720		. ujg			03j, , j73 03:00	7
ntNWQel pel e	MD		720		. ujg			03j, , j73 03:00	7
ntNWQl e Dibromiye	MD		720		. ujg			03j, , j73 03:00	7
HezacNQrob. tayiel e	MD		0240		. ujg			03j, , j73 03:00	7
Iso9ro9WQetNer	MD		70		. ujg			03j, , j73 03:00	7

Client Sample ID: 1 M70W6-W07303W0-07

Lab Sample ID: 480-34633-74

Date Cr llexteo: 03dW0c73 7f:0f

1 at29: Mate2

Date Rexeideo: 03dW7c73 06:W4

1 et/ r o: 8WW0C - hr latile V2Oanix Cr mpr unos g(Cc1 SGgCr ntinueoG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z2epa2eo	) nalAFeo	Dil yax
Iso9ro9WQel pel e	MD		720		. ujg			03j, , j73 03:00	7
RetNWQtert-b. tWQetNer	MD		720		. ujg			03j, , j73 03:00	7
RetNWQel e 1 NQriye	MD		720		. ujg			03j, , j73 03:00	7
m-XWQel e & 9-XWQel e	MD		, 20		. ujg			03j, , j73 03:00	7
Ma9NtNaQel e	MD		520		. ujg			03j, , j73 03:00	7
l -x . tWQel pel e	MD		720		. ujg			03j, , j73 03:00	7
M-hro9WQel pel e	MD		720		. ujg			03j, , j73 03:00	7
o-XWQel e	MD		720		. ujg			03j, , j73 03:00	7
sec-x . tWQel pel e	MD		720		. ujg			03j, , j73 03:00	7
/ tWel e	MD		720		. ujg			03j, , j73 03:00	7
Tert-amWQmetNWQetNer	MD		520		. ujg			03j, , j73 03:00	7
Tert-b. tWQetNWQetNer	MD		520		. ujg			03j, , j73 03:00	7
tert-x . tWQel pel e	MD		720		. ujg			03j, , j73 03:00	7
TetracNQroetNel e	MD		720		. ujg			03j, , j73 03:00	7
TetraNWyrof. ral	MD		70		. ujg			03j, , j73 03:00	7
ToCel e	MD		720		. ujg			03j, , j73 03:00	7
tral s-7d -DicNQroetNel e	MD		720		. ujg			03j, , j73 03:00	7
tral s-7d8-DicNQro9ro9el e	MD		0240		. ujg			03j, , j73 03:00	7
TricNQroetNel e	MD		720		. ujg			03j, , j73 03:00	7
TricNQrofCorometNal e	MD		720		. ujg			03j, , j73 03:00	7
Vil WQcNQriye	MD		0250		. ujg			03j, , j73 03:00	7
DibromometNal e	MD		720		. ujg			03j, , j73 03:00	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*03/22/13 03:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*03/22/13 03:00*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*03/22/13 03:00*	*1*

Client Sample ID: . 5007-W07303W0-07

Lab Sample ID: 480-34633-7f

Date Cr llexteo: 03dW0c73 73:73

1 at29: Mate2

Date Rexeideo: 03dW7c73 06:W4

1 et/ r o: 8WW0C - hr latile V2Oanix Cr mpr unos g(Cc1 SG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z2epa2eo	) nalAFeo	Dil yax
7d7d7d -TetracNQroetNal e	MD		720		. ujg			03j, , j73 03:, 3	7
7d7d7-TricNQroetNal e	MD		720		. ujg			03j, , j73 03:, 3	7
7d7d d -TetracNQroetNal e	MD		0250		. ujg			03j, , j73 03:, 3	7
7d7d -TricNQroetNal e	MD		720		. ujg			03j, , j73 03:, 3	7
7d7-DicNQroetNal e	MD		720		. ujg			03j, , j73 03:, 3	7
7d7-DicNQroetNel e	MD		720		. ujg			03j, , j73 03:, 3	7
7d7-DicNQro9ro9el e	MD		720		. ujg			03j, , j73 03:, 3	7
7d d8-TricNQrobel pel e	MD		720		. ujg			03j, , j73 03:, 3	7
7d d8-TricNQro9ro9al e	MD		720		. ujg			03j, , j73 03:, 3	7
7d d4-TricNQrobel pel e	MD		720		. ujg			03j, , j73 03:, 3	7
7d d4-TrimetNWQel pel e	MD		720		. ujg			03j, , j73 03:, 3	7
7d -Dibromo-3-1 NQro9ro9al e	MD		520		. ujg			03j, , j73 03:, 3	7
7d -DicNQrobel pel e	MD		720		. ujg			03j, , j73 03:, 3	7
7d -DicNQroetNal e	MD		720		. ujg			03j, , j73 03:, 3	7
7d -DicNQro9ro9al e	MD		720		. ujg			03j, , j73 03:, 3	7
7d8d5-TrimetNWQel pel e	MD		720		. ujg			03j, , j73 03:, 3	7

Client Sample ID: . 5 007-W07303W0-07
Date Cr llexteo: 03dW0c73 73:73
Date Rexeideo: 03dW7c73 06:W4

Lab Sample ID: 480-34633-7f
1 at29: Mate2

1 et/ r o: 8WW0C - hr latile V2Oanix Cr mpr unos g(Cc1 SGgCr ntinueoG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z 2epa2eo	) nalAFeo	Dil yax
7d8-DicNQorobel pel e	MD		720		. ujg			03j, , j73 03:, 3	7
7d8-DicNQoro9ro9al e	MD		720		. ujg			03j, , j73 03:, 3	7
7d4-DicNQorobel pel e	MD		720		. ujg			03j, , j73 03:, 3	7
7d4-Diozal e	MD		50		. ujg			03j, , j73 03:, 3	7
, d -DicNQoro9ro9al e	MD		720		. ujg			03j, , j73 03:, 3	7
, -x . tal ol e BRn (K	MD	)	70		. ujg			03j, , j73 03:, 3	7
, -1 NQorotoCel e	MD		720		. ujg			03j, , j73 03:, 3	7
, -Hezal ol e	MD		70		. ujg			03j, , j73 03:, 3	7
4-1 NQorotoCel e	MD		720		. ujg			03j, , j73 03:, 3	7
4-Iso9ro9WQoCel e	MD		720		. ujg			03j, , j73 03:, 3	7
4-RetNWC, -9el tal ol e BRIx (K	MD		70		. ujg			03j, , j73 03:, 3	7
Acetol e	MD		50		. ujg			03j, , j73 03:, 3	7
xel pel e	MD		720		. ujg			03j, , j73 03:, 3	7
xromobel pel e	MD		720		. ujg			03j, , j73 03:, 3	7
xromoform	MD		720		. ujg			03j, , j73 03:, 3	7
xromometNal e	MD		, 20		. ujg			03j, , j73 03:, 3	7
1 arbol yis. 6Qye	MD		70		. ujg			03j, , j73 03:, 3	7
1 arbol tetracNQoriye	MD		720		. ujg			03j, , j73 03:, 3	7
1 NQorobel pel e	MD		720		. ujg			03j, , j73 03:, 3	7
1 NQorobromometNal e	MD		720		. ujg			03j, , j73 03:, 3	7
1 NQoroyibromometNal e	MD		0250		. ujg			03j, , j73 03:, 3	7
1 NQoroetNal e	MD		, 20		. ujg			03j, , j73 03:, 3	7
1 NQoroform	MD		720		. ujg			03j, , j73 03:, 3	7
1 NQoromometNal e	MD		, 20		. ujg			03j, , j73 03:, 3	7
cis-7d -DicNQoroetNel e	MD		720		. ujg			03j, , j73 03:, 3	7
cis-7d8-DicNQoro9ro9el e	MD		0240		. ujg			03j, , j73 03:, 3	7
DicNQorobromometNal e	MD		0250		. ujg			03j, , j73 03:, 3	7
DicNQoroyifCorometNal e	MD		720		. ujg			03j, , j73 03:, 3	7
ntNWQetNer	MD		720		. ujg			03j, , j73 03:, 3	7
ntNWQel pel e	MD		720		. ujg			03j, , j73 03:, 3	7
ntNWQl e Dibromiye	MD		720		. ujg			03j, , j73 03:, 3	7
HezacNQorob. tayiel e	MD		0240		. ujg			03j, , j73 03:, 3	7
Iso9ro9WQetNer	MD		70		. ujg			03j, , j73 03:, 3	7
Iso9ro9WQel pel e	MD		720		. ujg			03j, , j73 03:, 3	7
RetNWQtert-b. tWQetNer	MD		720		. ujg			03j, , j73 03:, 3	7
RetNWQl e 1 NQoriye	MD		720		. ujg			03j, , j73 03:, 3	7
m-XWQl e & 9-XWQl e	MD		, 20		. ujg			03j, , j73 03:, 3	7
Ma9NtNaQl e	MD		520		. ujg			03j, , j73 03:, 3	7
l -x . tWQel pel e	MD		720		. ujg			03j, , j73 03:, 3	7
M-hro9WQel pel e	MD		720		. ujg			03j, , j73 03:, 3	7
o-XWQl e	MD		720		. ujg			03j, , j73 03:, 3	7
sec-x . tWQel pel e	MD		720		. ujg			03j, , j73 03:, 3	7
/ tWel e	MD		720		. ujg			03j, , j73 03:, 3	7
Tert-amWQmetNWQetNer	MD		520		. ujg			03j, , j73 03:, 3	7
Tert-b. tWQetNWQetNer	MD		520		. ujg			03j, , j73 03:, 3	7
tert-x . tWQel pel e	MD		720		. ujg			03j, , j73 03:, 3	7
TetracNQoroetNel e	MD		720		. ujg			03j, , j73 03:, 3	7
TetraNWyrof. ral	MD		70		. ujg			03j, , j73 03:, 3	7
ToCel e	MD		720		. ujg			03j, , j73 03:, 3	7

Client Sample ID: . 5 007-W07303W0-07
Date Cr llexteo: 03dW0c73 73:73
Date Rexeideo: 03dW7c73 06:W4

Lab Sample ID: 480-34633-7f
1 at29: Mate2

1 et/ r o: 8WW0C - hr latile V2Oanix Cr mpr unos g(Cc1 SGgCr ntinueoG

) nalAte	Result	UualiQe2	RL	1 DL	Pnit	D	z 2epa2eo	) nalAFeo	Dil yax
tral s-7d -DicNCroetNel e	MD		720		. ujg			03j, , j73 03:, 3	7
tral s-7d8-DicNCro9ro9el e	MD		0240		. ujg			03j, , j73 03:, 3	7
TricNCroetNel e	MD		720		. ujg			03j, , j73 03:, 3	7
TricNCrofCorometNal e	MD		720		. ujg			03j, , j73 03:, 3	7
Vil WCcNCriye	MD		0250		. ujg			03j, , j73 03:, 3	7
DibromometNal e	MD		720		. ujg			03j, , j73 03:, 3	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*03/22/13 03:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*03/22/13 03:23*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*03/22/13 03:23*	*1*

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	BA-d9 (Sur (50-150)	DBFM (50-150)								
480-34633-d	RS 7092R-90730390-07	70d	88								
480-34633-6	RS 7099-90730390-07	773	57								
480-34633-8	RS 7093-90730390-07	5d	85								
480-34633-70	RS 7033-90730390-07	770	59								
480-34633-77	RS 7034-90730390-07	55	85								
L1/ 480-708558j3	Lab 1 ol troC/ amBQe	702	88								
L1/ D 480-708558j4	Lab 1 ol troC/ amBQe DUB	708	88								
Rp 480-708558j2	RetNoy pQal u	774	88								

Surrogate Legend

TpA-y5 k/ UrrO= TpA-y5 k/ UrrO

Dp(R = Dibromo)QbrometNal e k/ UrrO

Method: 8260C - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	TOL (70-130)	12DCE (70-130)	BFB (70-130)							
480-34633-7	RS 7070R-90730390-07	56	5d	709							
480-34633-9	RS 7070D-90730390-07	58	5d	709							
480-34633-3	RS 700d-90730390-07	58	58	700							
480-34633-4	RS 7030-90730390-07	5d	58	55							
480-34633-2	RS 7072D-90730390-07	58	58	703							
480-34633-d	RS 7092R-90730390-07	56	52	707							
480-34633-d - DL	RS 7092R-90730390-07	5d	5d	700							
480-34633-6	RS 7099-90730390-07	55	53	702							
480-34633-8	RS 7093-90730390-07	58	53	70d							
480-34633-5	D, h003-90730390-07	58	53	706							
480-34633-70	RS 7033-90730390-07	700	52	706							
480-34633-77	RS 7034-90730390-07	707	52	708							
480-34633-79	D, h009-90730390-07	58	52	70d							
480-34633-73	RS 7098-90730390-07	55	54	706							
480-34633-74	RS 7096-90730390-07	56	54	700							
480-34633-72	Tp007-90730390-07	52	5d	58							
L1/ 480-708447j4	Lab 1 ol troC/ amBQe	56	52	704							
L1/ 480-708444j4	Lab 1 ol troC/ amBQe	55	56	704							
L1/ 480-70825dj4	Lab 1 ol troC/ amBQe	56	54	709							
L1/ D 480-708447j2	Lab 1 ol troC/ amBQe DUB	58	52	703							
L1/ D 480-708444j2	Lab 1 ol troC/ amBQe DUB	55	56	703							
L1/ D 480-70825dj2	Lab 1 ol troC/ amBQe DUB	58	54	709							
Rp 480-708447j6	RetNoy pQal u	58	54	704							
Rp 480-708444j6	RetNoy pQal u	5d	5d	700							
Rp 480-70825dj6	RetNoy pQal u	56	52	707							

Surrogate Legend

TF L = ToQel e-y8 k/ UrrO

79D1 n = 7f9-DicNQroetNal e-y4 k/ UrrO

p(p = 4-promo)QbrobeI zel e k/ UrrO

Surrogate Summary

1 Qel t: nER-MortNeast
hroPectj/ ite: ID/ S aWQal y

TestAmerica Job ID: 480-34633-7

Method: 522 MOD - 1,4 Dioxane (GC/MS SIM)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		14DD8							
Lab Sample ID	Client Sample ID	(70-130)							
480-34633-6	RS 7099-90730390-07	88							
480-34633-8	RS 7093-90730390-07	82							
480-34633-70	RS 7033-90730390-07	68							
480-34633-77	RS 7034-90730390-07	84							
L1/ 900-23204j9-A	Lab 1 ol troC/ amBQe	84							
Rp 900-23204j7-A	RetNoy pQal u	65							

Surrogate Legend

74DD8 = 7f4-Dioxal e-y8 k/ UrrO

TestAmerica pU))aQe

3/29/2013

Method: 8260- SWM i Oolatrle g nca(rGCompou(ds /) CIMSD

Lab Sample VB: M- 480i108778lx
MatmW P aten
F(alNsrs - atGh: 108778

CIre(t Sample VB: Method - la(k
Trep yNpe: yotallAF

F(alNte	M- Result	M- Qualr%en	RL	MBL	f (rt	B	Tnepared	F(alNUed	Bnl zaG
7d4-Dio, al e	MD		72		ugjL			03j59j73 75:48	7

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tol uen-d8 ((S	*r r)*		*97 ur 97*		*701391r0-r3/) 2*	*r*
6:4(, D, ic , (, DhtaBmh-d8 ((S	*22*		*97 ur 97*		*701391r0-r3/) 2*	*r*

Lab Sample VB: LCS 480i108778l.
MatmW P aten
F(alNsrs - atGh: 108778

CIre(t Sample VB: Lab Co(tnol Sample
Trep yNpe: yotallAF

F(alNte			Sprke Fdded	LCS Result	LCS Qualr%en	f (rt	B	5 ReG	5 ReG9 Lrnrts		
7d4-Dio, al e			7. 20	7. 25		ugjL		707			

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tol uen-d8 ((S	*r 79*		*97 ur 97*
6:4(, D, ic , (, DhtaBmh-d8 ((S	*22*		*97 ur 97*

Lab Sample VB: LCSB 480i108778l4
MatmW P aten
F(alNsrs - atGh: 108778

CIre(t Sample VB: Lab Co(tnol Sample Bup
Trep yNpe: yotallAF

F(alNte			Sprke Fdded	LCSB Result	LCSB Qualr%en	f (rt	B	5 ReG	5 ReG9 Lrnrts	RTB	RTB Lrnrt
7d4-Dio, al e			7. 20	7. 20		ugjL		700		5	

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tol uen-d8 ((S	*r 72*		*97 ur 97*
6:4(, D, ic , (, DhtaBmh-d8 ((S	*22*		*97 ur 97*

Method: 8260C i Oolatrle g nca(rGCompou(ds /) CIMSD

Lab Sample VB: M- 480i108441l,
MatmW P aten
F(alNsrs - atGh: 108441

CIre(t Sample VB: Method - la(k
Trep yNpe: yotallAF

F(alNte	M- Result	M- Qualr%en	RL	MBL	f (rt	B	Tnepared	F(alNUed	Bnl zaG
7d7d5-TetracNOroetNal e	MD		720		ugjL			03j57j73 77:50	7
7d7d7-TricNOroetNal e	MD		720		ugjL			03j57j73 77:50	7
7d7d5d5-TetracNOroetNal e	MD		0290		ugjL			03j57j73 77:50	7
7d7d5-TricNOroetNal e	MD		720		ugjL			03j57j73 77:50	7
7d7-DicNOroetNal e	MD		720		ugjL			03j57j73 77:50	7
7d7-DicNOroetNel e	MD		720		ugjL			03j57j73 77:50	7
7d7-DicNOropropel e	MD		720		ugjL			03j57j73 77:50	7
7d5d3-TricNOrobel zel e	MD		720		ugjL			03j57j73 77:50	7
7d5d3-TricNOropropal e	MD		720		ugjL			03j57j73 77:50	7
7d5d4-TricNOrobel zel e	MD		720		ugjL			03j57j73 77:50	7
7d5d4-TrimetNWOel zel e	MD		720		ugjL			03j57j73 77:50	7
7d5-Dibromo-3-1 NOropropal e	MD		920		ugjL			03j57j73 77:50	7

Method: 8260C i Oolatrle g rnca(rG Compou(ds /) CIMSD/Co(tr(uedD

Lab Sample VB: M- 480i108441l,
MatrnW P aten
F(alNsrs - atGh: 108441

Clre(t Sample VB: Method - la(k
Trep yNpe: yotallAF

F(alNte	M- Result	M- Qualr%en	RL	MBL	f (rt	B	Tnepared	F(alNUed	Brl zaG
7d5-DicNQorobel zel e	MD		720		ugjL			03j57j73 77:50	7
7d5-DicNQoroetNal e	MD		720		ugjL			03j57j73 77:50	7
7d5-DicNQoropropal e	MD		720		ugjL			03j57j73 77:50	7
7d8d9-TrimetNWQel zel e	MD		720		ugjL			03j57j73 77:50	7
7d8-DicNQorobel zel e	MD		720		ugjL			03j57j73 77:50	7
7d8-DicNQoropropal e	MD		720		ugjL			03j57j73 77:50	7
7d4-DicNQorobel zel e	MD		720		ugjL			03j57j73 77:50	7
7d4-Dio, al e	MD		90		ugjL			03j57j73 77:50	7
5d5-DicNQoropropal e	MD		720		ugjL			03j57j73 77:50	7
5-xutal ol e (RnK)	MD		70		ugjL			03j57j73 77:50	7
5-1 NQorotQel e	MD		720		ugjL			03j57j73 77:50	7
5-He, al ol e	MD		70		ugjL			03j57j73 77:50	7
4-1 NQorotQel e	MD		720		ugjL			03j57j73 77:50	7
4-IsopropWQoQel e	MD		720		ugjL			03j57j73 77:50	7
4-RetNWQ5-pel tal ol e (RIxK)	MD		70		ugjL			03j57j73 77:50	7
Acetol e	MD		90		ugjL			03j57j73 77:50	7
xel zel e	MD		720		ugjL			03j57j73 77:50	7
xromobel zel e	MD		720		ugjL			03j57j73 77:50	7
xromoBorm	MD		720		ugjL			03j57j73 77:50	7
xromometNal e	MD		520		ugjL			03j57j73 77:50	7
1 arbol yisuBye	MD		70		ugjL			03j57j73 77:50	7
1 arbol tetracNQriye	MD		720		ugjL			03j57j73 77:50	7
1 NQorobel zel e	MD		720		ugjL			03j57j73 77:50	7
1 NQorobromomet Nal e	MD		720		ugjL			03j57j73 77:50	7
1 NQoroyibromomet Nal e	MD		0290		ugjL			03j57j73 77:50	7
1 NQoroetNal e	MD		520		ugjL			03j57j73 77:50	7
1 NQoroBorm	MD		720		ugjL			03j57j73 77:50	7
1 NQorometNal e	MD		520		ugjL			03j57j73 77:50	7
cis-7d5-DicNQoroetNel e	MD		720		ugjL			03j57j73 77:50	7
cis-7d8-DicNQoropropel e	MD		0240		ugjL			03j57j73 77:50	7
DicNQorobromomet Nal e	MD		0290		ugjL			03j57j73 77:50	7
DicNQoroyiBQoromet Nal e	MD		720		ugjL			03j57j73 77:50	7
ntNWQetNer	MD		720		ugjL			03j57j73 77:50	7
ntNWQel zel e	MD		720		ugjL			03j57j73 77:50	7
ntNWQl e Dibromiye	MD		720		ugjL			03j57j73 77:50	7
He, acNQorobutayiel e	MD		0240		ugjL			03j57j73 77:50	7
IsopropWQetNer	MD		70		ugjL			03j57j73 77:50	7
IsopropWQel zel e	MD		720		ugjL			03j57j73 77:50	7
RetNWQtert-butWQetNer	MD		720		ugjL			03j57j73 77:50	7
RetNWQl e 1 NQriye	MD		720		ugjL			03j57j73 77:50	7
m-f WQl e X p-f WQl e	MD		520		ugjL			03j57j73 77:50	7
MapNtNaQl e	MD		920		ugjL			03j57j73 77:50	7
l -xutWQel zel e	MD		720		ugjL			03j57j73 77:50	7
M-hropWQel zel e	MD		720		ugjL			03j57j73 77:50	7
o-f WQl e	MD		720		ugjL			03j57j73 77:50	7
sec-xutWQel zel e	MD		720		ugjL			03j57j73 77:50	7
/ tWel e	MD		720		ugjL			03j57j73 77:50	7
Tert-amWQmetNWQetNer	MD		920		ugjL			03j57j73 77:50	7

Method: 8260C i Oolatrle g rnca(rGCompou(ds /) CIMSD/Co(tr(uedD

Lab Sample \B: M- 480i108441l,
MatrnW P aten
F(alNsrs - atGh: 108441

Clre(t Sample \B: Method - la(k
Trep yNpe: yotallAF

F(alNte	M- Result	M- Qualr%en	RL	MBL	f (rt	B	Tnepared	F(alNUed	Brl zaG
Tert-butWQetNWQetNer	MD		920		ugjL			03j57j73 77:50	7
tert-x utWQel zel e	MD		720		ugjL			03j57j73 77:50	7
TetracNQroetNel e	MD		720		ugjL			03j57j73 77:50	7
TetraNWyroBural	MD		70		ugjL			03j57j73 77:50	7
ToQel e	MD		720		ugjL			03j57j73 77:50	7
tral s-7d5-DicNQroetNel e	MD		720		ugjL			03j57j73 77:50	7
tral s-7d8-DicNQropropel e	MD		0240		ugjL			03j57j73 77:50	7
TricNQroetNel e	MD		720		ugjL			03j57j73 77:50	7
TricNQroBQoromet Nal e	MD		720		ugjL			03j57j73 77:50	7
&il WQcNQriye	MD		0290		ugjL			03j57j73 77:50	7
DibromometNal e	MD		720		ugjL			03j57j73 77:50	7

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
T, c hmhue2-d8 ((S	*n2*		*f 7 ur 07*		*703r 1r 0-r r /37*	*r*
r t8u6 :zaç (, htaBmhue) -d8 ((S	*n)*		*f 7 ur 07*		*703r 1r 0-r r /37*	*r*
) uo (, D, ic , (, 4hm5hmh-d8 ((S	*r 7)*		*f 7 ur 07*		*703r 1r 0-r r /37*	*r*

Lab Sample \B: LCS 480i108441l4
MatrnW P aten
F(alNsrs - atGh: 108441

Clre(t Sample \B: Lab Co(trol Sample
Trep yNpe: yotallAF

F(alNte	Sprke Fdded	LCS Result	LCS Qualr%en	f (rt	B	5 ReG	5 ReG9 Lmrts
7d7d5-TetracNQroetNal e	5920	5923		ugjL		707	60 - 730
7d7d7-TricNQroetNal e	5920	5. 26		ugjL		706	60 - 730
7d7d5d5-TetracNQroetNal e	5920	5329		ugjL		V4	60 - 730
7d7d5-TricNQroetNal e	5920	5427		ugjL		V6	60 - 730
7d7-DicNQroetNal e	5920	5927		ugjL		700	60 - 730
7d7-DicNQroetNel e	5920	5623		ugjL		70V	60 - 730
7d7-DicNQropropel e	5920	5. 2/		ugjL		708	60 - 730
7d5d8-TricNQrobel zel e	5920	5420		ugjL		V.	60 - 730
7d5d8-TricNQropropal e	5920	5426		ugjL		VV	60 - 730
7d5d4-TricNQrobel zel e	5920	5424		ugjL		V8	60 - 730
7d5d4-TrimetNWQel zel e	5920	532/		ugjL		V.	60 - 730
7d5-Dibromo-3-1 NQropropal e	5920	5524		ugjL		V0	60 - 730
7d5-DicNQrobel zel e	5920	532		ugjL		V4	60 - 730
7d5-DicNQroetNal e	5920	532/		ugjL		V.	60 - 730
7d5-DicNQropropal e	5920	5328		ugjL		V9	60 - 730
7d8d9-TrimetNWQel zel e	5920	5326		ugjL		V9	60 - 730
7d8-DicNQrobel zel e	5920	5420		ugjL		V.	60 - 730
7d8-DicNQropropal e	5920	5429		ugjL		V8	60 - 730
7d4-DicNQrobel zel e	5920	5329		ugjL		V4	60 - 730
7d4-Dio, al e	7000	7030		ugjL		703	60 - 730
5d5-DicNQropropal e	5920	5824		ugjL		773	60 - 730
5-x utal ol e (RnK)	759	744		ugjL		779	60 - 730
5-1 NQrotoQel e	5920	542/		ugjL		700	60 - 730
5-He, al ol e	759	V825		ugjL		6V	60 - 730
4-1 NQrotoQel e	5920	5924		ugjL		707	60 - 730
4-IsopropWQoQel e	5920	5326		ugjL		V9	60 - 730

Method: 8260C i Oolatrle g rnca(rGCompou(ds /) CIMSD/Co(tr(uedD

Lab Sample \B: LCS 480i108441l4
MatrnW P aten
F(alNsrs - atGh: 108441

Clre(t Sample \B: Lab Co(trol Sample
Trep yNpe: yotallAF

F(alNte			Sprke Fdded	LCS Result	LCS QualrXen	f (rt	B	5 ReG	5 ReG9 Lrmrts		
4-RetNWC5-pel tal ol e (RIxK)			759	V. 2B		ugjL		66	60 - 730		
Acetol e			759	706		ugjL		8.	60 - 730		
x el zel e			592 0	592 6		ugjL		703	60 - 730		
x romobel zel e			592 0	542 0		ugjL		V.	60 - 730		
x romoBrm			592 0	592 5		ugjL		707	60 - 730		
x romometNal e			592 0	582 0		ugjL		775	60 - 730		
1 arbol yisuBye			592 0	592 4		ugjL		705	60 - 730		
1 arbol tetracNCoriye			592 0	5. 2		ugjL		70.	60 - 730		
1 NCorobel zel e			592 0	542 7		ugjL		V.	60 - 730		
1 NCorobromometNal e			592 0	562 5		ugjL		70V	60 - 730		
1 NCoroyibromometNal e			592 0	592 0		ugjL		700	60 - 730		
1 NCoroetNal e			592 0	542 8		ugjL		VV	60 - 730		
1 NCorobrm			592 0	592 6		ugjL		703	60 - 730		
1 NCorometNal e			592 0	7V2 9		ugjL		68	60 - 730		
cis-7d5-DicNCoroetNel e			592 0	5. 2 9		ugjL		70.	60 - 730		
cis-7d3-DicNCoropropel e			592 0	592 5		ugjL		707	60 - 730		
DicNCorobromomometNal e			592 0	592 6		ugjL		703	60 - 730		
DicNCoroyiBDoromometNal e			902 0	962 5		ugjL		774	60 - 730		
ntNWCetNer			592 0	532		ugjL		V4	60 - 730		
ntNWCel zel e			592 0	542 7		ugjL		V.	60 - 730		
ntNWCel e Dibromiye			592 0	592 0		ugjL		700	60 - 730		
He, acNCorobutayiel e			592 0	552 9		ugjL		V0	60 - 730		
IsopropWCetNer			592 0	7V2 B		ugjL		6V	60 - 730		
IsopropWCel zel e			592 0	542 7		ugjL		V.	60 - 730		
RetNWCtert-butWCetNer			592 0	582 3		ugjL		773	60 - 730		
RetNWCel e 1 NCoriye			592 0	5. 2 7		ugjL		704	60 - 730		
m-f WCel e X p-f WCel e			902 0	4V2 5		ugjL		V8	60 - 730		
MapNtNaCel e			592 0	532 V		ugjL		V.	60 - 730		
l -x utWCel zel e			592 0	532 7		ugjL		V5	60 - 730		
M-hropWCel zel e			592 0	532		ugjL		V4	60 - 730		
o-f WCel e			592 0	542 7		ugjL		V6	60 - 730		
sec-x utWCel zel e			592 0	532		ugjL		V4	60 - 730		
/ tWel e			592 0	542 3		ugjL		V6	60 - 730		
Tert-amWCmetNWCetNer			592 0	562 4		ugjL		770	60 - 730		
Tert-butWCetNWCetNer			592 0	532		ugjL		V9	60 - 730		
tert-x utWCel zel e			592 0	542 7		ugjL		V.	60 - 730		
TetracNCoroetNel e			592 0	542 V		ugjL		700	60 - 730		
TetraNWyroBural			759	V82 4		ugjL		6V	60 - 730		
ToCel e			592 0	592 7		ugjL		700	60 - 730		
tral s-7d5-DicNCroetNel e			592 0	562 7		ugjL		708	60 - 730		
tral s-7d3-DicNCoropropel e			592 0	592 0		ugjL		700	60 - 730		
TricNCroetNel e			592 0	5. 2 5		ugjL		709	60 - 730		
TricNCroBDoromometNal e			592 0	582 4		ugjL		774	60 - 730		
&il WCcNCoriye			592 0	5. 2 V		ugjL		708	60 - 730		
Dibromometnal e			592 0	592 5		ugjL		707	60 - 730		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
T, c hmhue2-d3 ((S	*nf*		*f 7 ur 07*

Method: 8260C i Oolatrle g rnca(rG Compou(ds /) CIMSD/Co(tr(uedD

Lab Sample VB: LCS 480i108441l4
MatrnW P aten
F(alNsrs - atGh: 108441

Clre(t Sample VB: Lab Co(trol Sample
Trep yNpe: yotallAF

Surrogate	LCS %Recovery	LCS Qualifier	Limits
r l3u6 :zac (, htaBrnhue) -d8 ((S	n9		f 7 ur 07
) uo (, D, ic , (, 4hm5hmh-d8 ((S	r 7)		f 7 ur 07

Lab Sample VB: LCSB 480i108441lx
MatrnW P aten
F(alNsrs - atGh: 108441

Clre(t Sample VB: Lab Co(trol Sample Bup
Trep yNpe: yotallAF

F(alNte	Sprke Fdded	LCSB Result	LCSB Qualr%en	f (rt	B	5 ReG	5 ReG9 Lrnrts	RTB	RTB Lrnrt
7d7d5-TetracNCroetNal e	592 0	542 8		ugjL		VV	60 - 730	5	50
7d7-TricNCroetNal e	592 0	592 4		ugjL		705	60 - 730	9	50
7d5d5-TetracNCroetNal e	592 0	532		ugjL		V4	60 - 730	0	50
7d5-TricNCroetNal e	592 0	542 0		ugjL		V.	60 - 730	7	50
7d7-DicNCroetNal e	592 0	542 0		ugjL		V.	60 - 730	9	50
7d7-DicNCroetNel e	592 0	592 6		ugjL		703	60 - 730	.	50
7d7-DicNCropropel e	592 0	592 4		ugjL		705	60 - 730	.	50
7d5d3-TricNCrobel zel e	592 0	542 0		ugjL		V.	60 - 730	0	50
7d5d3-TricNCropropal e	592 0	542 6		ugjL		VV	60 - 730	0	50
7d5d4-TricNCrobel zel e	592 0	542 0		ugjL		V.	60 - 730	5	50
7d5d4-TrimetNWCel zel e	592 0	532 5		ugjL		V3	60 - 730	3	50
7d5-Dibromo-3-1 NCropropal e	592 0	552 9		ugjL		V0	60 - 730	0	50
7d5-DicNCrobel zel e	592 0	532		ugjL		V4	60 - 730	0	50
7d5-DicNCroetNal e	592 0	532 3		ugjL		V3	60 - 730	3	50
7d5-DicNCropropal e	592 0	532 7		ugjL		V3	60 - 730	3	50
7d8d9-TrimetNWCel zel e	592 0	532 3		ugjL		V3	60 - 730	5	50
7d8-DicNCrobel zel e	592 0	532 6		ugjL		V9	60 - 730	7	50
7d8-DicNCropropal e	592 0	542		ugjL		VV	60 - 730	7	50
7d4-DicNCrobel zel e	592 0	532 4		ugjL		V4	60 - 730	0	50
7d4-Dio, al e	7000	7770		ugjL		777	60 - 730	8	50
5d5-DicNCropropal e	592 0	5. 26		ugjL		706	60 - 730	.	50
5-x utal ol e (RnK)	759	745		ugjL		774	60 - 730	7	50
5-1 NCrotoQel e	592 0	592 7		ugjL		707	60 - 730	7	50
5-He, al ol e	759	VV2 4		ugjL		6V	60 - 730	7	50
4-1 NCrotoQel e	592 0	542 3		ugjL		V6	60 - 730	4	50
4-IsopropWCoQel e	592 0	532 7		ugjL		V5	60 - 730	3	50
4-RetNWC5-pel tal ol e (RIxK)	759	V82 7		ugjL		68	60 - 730	7	50
Acetol e	759	70.		ugjL		89	60 - 730	7	50
x el zel e	592 0	592 0		ugjL		700	60 - 730	3	50
x romobel zel e	592 0	532 V		ugjL		V.	60 - 730	0	50
x romoBrm	592 0	592 6		ugjL		703	60 - 730	5	50
x romometNal e	592 0	532 6		ugjL		V9	60 - 730	76	50
1 arbol yisuBye	592 0	542 9		ugjL		V8	60 - 730	3	50
1 arbol tetracNCriye	592 0	592 9		ugjL		705	60 - 730	4	50
1 NCrobel zel e	592 0	532 6		ugjL		V9	60 - 730	5	50
1 NCrobromometNal e	592 0	5. 2		ugjL		70.	60 - 730	5	50
1 NCroyibromometNal e	592 0	592 0		ugjL		700	60 - 730	0	50
1 NCroetNal e	592 0	532 0		ugjL		V5	60 - 730	6	50
1 NCroBrm	592 0	542 V		ugjL		700	60 - 730	3	50
1 NCrometNal e	592 0	782 8		ugjL		69	60 - 730	4	50

Method: 8260C i Oolatrle g rnca(rGCompou(ds /) CIMSD/Co(tr(uedD

Lab Sample VB: LCSB 480i108441lx
MatrnW P aten
F(alNsrs - atGh: 108441

Clre(t Sample VB: Lab Co(tnol Sample Bup
Tnep yNpe: yotallAF

F(alNte			Sprke Fdded	LCSB Result	LCSB Qualr%en	f (rt	B	5 ReG	5 ReG9 Lrnrts	RTB	RTB Lrnrt
cis-7d5-DicNCroetNel e			592 0	592 8		ugjL		703	60 - 730	3	50
cis-7d3-DicNCropropel e			592 0	542 6		ugjL		VV	60 - 730	5	50
DicNCrobromometNal e			592 0	592 3		ugjL		707	60 - 730	5	50
DicNCroyiBDoromet Nal e			902 0	932 0		ugjL		70.	60 - 730	8	50
ntNWCetNer			592 0	532 7		ugjL		V3	60 - 730	5	50
ntNWCel zel e			592 0	532 8		ugjL		V9	60 - 730	7	50
ntNWCel e Dibromiye			592 0	592 7		ugjL		700	60 - 730	0	50
He, acNCrobutayiel e			592 0	552 0		ugjL		88	60 - 730	5	50
IsopropWCetNer			592 0	7V2 5		ugjL		66	60 - 730	3	50
IsopropWCel zel e			592 0	532 9		ugjL		V4	60 - 730	3	50
RetNWCtert-butWCetNer			592 0	562 9		ugjL		770	60 - 730	3	50
RetNWCel e 1 NCriye			592 0	542		ugjL		VV	60 - 730	.	50
m-f WCel e X p-f WCel e			902 0	462 6		ugjL		V9	60 - 730	3	50
MapNtNaCel e			592 0	542 0		ugjL		V.	60 - 730	0	50
l -x utWCel zel e			592 0	552 8		ugjL		V7	60 - 730	7	50
M-hropWCel zel e			592 0	532 7		ugjL		V5	60 - 730	5	50
o-f WCel e			592 0	532		ugjL		V4	60 - 730	5	50
sec-x utWCel zel e			592 0	532 7		ugjL		V5	60 - 730	5	50
/ tWel e			592 0	542 5		ugjL		V6	60 - 730	0	50
Tert-amWCmetNWCetNer			592 0	5. 2 6		ugjL		706	60 - 730	3	50
Tert-butWCetNWCetNer			592 0	532 5		ugjL		V3	60 - 730	5	50
tert-x utWCel zel e			592 0	532		ugjL		V4	60 - 730	5	50
TetracNCroetNel e			592 0	542 4		ugjL		V8	60 - 730	5	50
TetraNWyroBural			759	V62 0		ugjL		68	60 - 730	7	50
ToCel e			592 0	542 4		ugjL		V8	60 - 730	3	50
tral s-7d5-DicNCroetNel e			592 0	592 /		ugjL		704	60 - 730	9	50
tral s-7d3-DicNCropropel e			592 0	542 6		ugjL		VV	60 - 730	7	50
TricNCroetNel e			592 0	592		ugjL		703	60 - 730	5	50
TricNCroBDoromet Nal e			592 0	5. 2 6		ugjL		706	60 - 730	.	50
&il WCcNCriye			592 0	592 5		ugjL		707	60 - 730	6	50
DibromometNal e			592 0	592 3		ugjL		707	60 - 730	0	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
T, c hmhue2-d8 ((S	*n2*		*f 7 ur 07*
r b8u6 :zaç (, htaBmhue) -d8 ((S	*n9*		*f 7 ur 07*
) uo (, D, ic , (, 4hm5hmh-d8 ((S	*r 70*		*f 7 ur 07*

Lab Sample VB: M- 480i108444l,
MatrnW P aten
F(alNsrs - atGh: 108444

Clre(t Sample VB: Method - la(k
Tnep yNpe: yotallAF

F(alNte	M- Result	M- Qualr%en	RL	MBL	f (rt	B	Tnepaned	F(alNUed	Brl zaG
7d7d7d5-TetracNCroetNal e	MD		72 0		ugjL			03j57j73 70:9V	7
7d7d7-TricNCroetNal e	MD		72 0		ugjL			03j57j73 70:9V	7
7d7d5d5-TetracNCroetNal e	MD		02 90		ugjL			03j57j73 70:9V	7
7d7d5-TricNCroetNal e	MD		72 0		ugjL			03j57j73 70:9V	7
7d7-DicNCroetNal e	MD		72 0		ugjL			03j57j73 70:9V	7
7d7-DicNCroetNel e	MD		72 0		ugjL			03j57j73 70:9V	7

Method: 8260C i Oolatrle g rnca(rG Compou(ds /) CIMSD/Co(tr(uedD

Lab Sample \B: M- 480i108444l,
MatrnW P aten
F(alNsrs - atGh: 108444

Clre(t Sample \B: Method - la(k
Trep yNpe: yotallAF

F(alNte	M- Result	M- Qualr%en	RL	MBL	f (rt	B	Tnepared	F(alNUed	Brl zaG
7d7-DicNQoropropel e	MD		720		ugjL			03j57j73 70:9V	7
7d5d3-TricNQorobel zel e	MD		720		ugjL			03j57j73 70:9V	7
7d5d3-TricNQoropropal e	MD		720		ugjL			03j57j73 70:9V	7
7d5d4-TricNQorobel zel e	MD		720		ugjL			03j57j73 70:9V	7
7d5d4-TrimetNWQel zel e	MD		720		ugjL			03j57j73 70:9V	7
7d5-Dibromo-3-1 NQoropropal e	MD		920		ugjL			03j57j73 70:9V	7
7d5-DicNQorobel zel e	MD		720		ugjL			03j57j73 70:9V	7
7d5-DicNQoroetNal e	MD		720		ugjL			03j57j73 70:9V	7
7d5-DicNQoropropal e	MD		720		ugjL			03j57j73 70:9V	7
7d8d9-TrimetNWQel zel e	MD		720		ugjL			03j57j73 70:9V	7
7d8-DicNQorobel zel e	MD		720		ugjL			03j57j73 70:9V	7
7d8-DicNQoropropal e	MD		720		ugjL			03j57j73 70:9V	7
7d4-DicNQorobel zel e	MD		720		ugjL			03j57j73 70:9V	7
7d4-Dio, al e	MD		90		ugjL			03j57j73 70:9V	7
5d5-DicNQoropropal e	MD		720		ugjL			03j57j73 70:9V	7
5-x utal ol e (RnK)	MD		70		ugjL			03j57j73 70:9V	7
5-1 NQorotoQel e	MD		720		ugjL			03j57j73 70:9V	7
5-He, al ol e	MD		70		ugjL			03j57j73 70:9V	7
4-1 NQorotoQel e	MD		720		ugjL			03j57j73 70:9V	7
4-IsopropWQoQel e	MD		720		ugjL			03j57j73 70:9V	7
4-RetNWQ5-pel tal ol e (RIxK)	MD		70		ugjL			03j57j73 70:9V	7
Acetol e	MD		90		ugjL			03j57j73 70:9V	7
x el zel e	MD		720		ugjL			03j57j73 70:9V	7
x romobel zel e	MD		720		ugjL			03j57j73 70:9V	7
x romoBrm	MD		720		ugjL			03j57j73 70:9V	7
x romometNal e	MD		520		ugjL			03j57j73 70:9V	7
1 arbol yisuBye	MD		70		ugjL			03j57j73 70:9V	7
1 arbol tetracNQoriye	MD		720		ugjL			03j57j73 70:9V	7
1 NQorobel zel e	MD		720		ugjL			03j57j73 70:9V	7
1 NQorobromometNal e	MD		720		ugjL			03j57j73 70:9V	7
1 NQoroyibromometNal e	MD		0290		ugjL			03j57j73 70:9V	7
1 NQoroetNal e	MD		520		ugjL			03j57j73 70:9V	7
1 NQoroBrm	MD		720		ugjL			03j57j73 70:9V	7
1 NQorometNal e	MD		520		ugjL			03j57j73 70:9V	7
cis-7d5-DicNQoroetNel e	MD		720		ugjL			03j57j73 70:9V	7
cis-7d8-DicNQoropropel e	MD		0240		ugjL			03j57j73 70:9V	7
DicNQorobromometNal e	MD		0290		ugjL			03j57j73 70:9V	7
DicNQoroyiBQoromet Nal e	MD		720		ugjL			03j57j73 70:9V	7
ntNWQetNer	MD		720		ugjL			03j57j73 70:9V	7
ntNWQel zel e	MD		720		ugjL			03j57j73 70:9V	7
ntNWQel e Dibromiye	MD		720		ugjL			03j57j73 70:9V	7
He, acNQorobutayiel e	MD		0240		ugjL			03j57j73 70:9V	7
IsopropWQetNer	MD		70		ugjL			03j57j73 70:9V	7
IsopropWQel zel e	MD		720		ugjL			03j57j73 70:9V	7
RetNWQert-butWQetNer	MD		720		ugjL			03j57j73 70:9V	7
RetNWQel e 1 NQoriye	MD		720		ugjL			03j57j73 70:9V	7
m-f WQel e X p-f WQel e	MD		520		ugjL			03j57j73 70:9V	7
MapNtNaQel e	MD		920		ugjL			03j57j73 70:9V	7

Method: 8260C i Oolatrle g rnca(rGCompou(ds /) CIMSD/Co(tr(uedD

Lab Sample VB: M- 480i108444l,
MatrnW P aten
F(alNsrs - atGh: 108444

Clre(t Sample VB: Method - la(k
Trep yNpe: yotallAF

F(alNte	M- Result	M- Qualr%en	RL	MBL	f (rt	B	Tnepared	F(alNUed	Brl zaG
l -x utWQel zel e	MD		720		ugjL			03j57j73 70:9V	7
M-hropWQel zel e	MD		720		ugjL			03j57j73 70:9V	7
o-f WQl e	MD		720		ugjL			03j57j73 70:9V	7
sec-x utWQel zel e	MD		720		ugjL			03j57j73 70:9V	7
/ tWel e	MD		720		ugjL			03j57j73 70:9V	7
Tert-amWQmetNWQetNer	MD		920		ugjL			03j57j73 70:9V	7
Tert-butWQetNWQetNer	MD		920		ugjL			03j57j73 70:9V	7
tert-x utWQel zel e	MD		720		ugjL			03j57j73 70:9V	7
TetracNQroetNel e	MD		720		ugjL			03j57j73 70:9V	7
TetraNWyroBural	MD		70		ugjL			03j57j73 70:9V	7
ToQel e	MD		720		ugjL			03j57j73 70:9V	7
tral s-7d5-DicNQroetNel e	MD		720		ugjL			03j57j73 70:9V	7
tral s-7d3-DicNQropropel e	MD		0240		ugjL			03j57j73 70:9V	7
TricNQroetNel e	MD		720		ugjL			03j57j73 70:9V	7
TricNQroBQoromet Nal e	MD		720		ugjL			03j57j73 70:9V	7
&il WQcNQriye	MD		0290		ugjL			03j57j73 70:9V	7
DibromometNal e	MD		720		ugjL			03j57j73 70:9V	7

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
T, c hmhue2-d8 ((S	*nA*		*f 7 ur 07*		*7013r 1r 0-r 7/9n*	*r*
r b8u6 :zaç (, htaBmhue) -d8 ((S	*nA*		*f 7 ur 07*		*7013r 1r 0-r 7/9n*	*r*
) uo (, D, ic , (, 4hm5hmh-d8 ((S	*r 77*		*f 7 ur 07*		*7013r 1r 0-r 7/9n*	*r*

Lab Sample VB: LCS 480i108444l4
MatrnW P aten
F(alNsrs - atGh: 108444

Clre(t Sample VB: Lab Co(trol Sample
Trep yNpe: yotallAF

F(alNte	Sprke Fdded	LCS Result	LCS Qualr%en	f (rt	B	5 ReG	5 ReG9 Lmrnts
7d7d5-TetracNQroetNal e	592 0	542 7		ugjL		V6	60 - 730
7d7-TricNQroetNal e	592 0	532 7		ugjL		V3	60 - 730
7d5d5-TetracNQroetNal e	592 0	532 5		ugjL		V3	60 - 730
7d5-TricNQroetNal e	592 0	532 3		ugjL		V3	60 - 730
7d-DicNQroetNal e	592 0	532 5		ugjL		V3	60 - 730
7d-DicNQroetNel e	592 0	532		ugjL		V4	60 - 730
7d-DicNQropropel e	592 0	532 8		ugjL		V9	60 - 730
7d5d3-TricNQrobel zel e	592 0	542 5		ugjL		V6	60 - 730
7d5d3-TricNQropropal e	592 0	532 8		ugjL		V9	60 - 730
7d5d4-TricNQrobel zel e	592 0	542 V		ugjL		700	60 - 730
7d5d4-TrimetNWQel zel e	592 0	552		ugjL		V7	60 - 730
7d5-Dibromo-3-1 NQropropal e	592 0	542 5		ugjL		V6	60 - 730
7d5-DicNQrobel zel e	592 0	532 7		ugjL		V5	60 - 730
7d5-DicNQroetNal e	592 0	552		ugjL		V7	60 - 730
7d5-DicNQropropal e	592 0	532 9		ugjL		V4	60 - 730
7d3d9-TrimetNWQel zel e	592 0	552		ugjL		V0	60 - 730
7d3-DicNQrobel zel e	592 0	532 0		ugjL		V5	60 - 730
7d3-DicNQropropal e	592 0	552 8		ugjL		V7	60 - 730
7d4-DicNQrobel zel e	592 0	532 5		ugjL		V3	60 - 730
7d4-Dio, al e	7000	7090		ugjL		709	60 - 730

Method: 8260C i Oolatrle g rnca(rGCompou(ds /) CIMSD/Co(tr(uedD

Lab Sample \B: LCS 480i108444l4
MatrnW P aten
F(alNsrs - atGh: 108444

Clre(t Sample \B: Lab Co(trol Sample
Trep yNpe: yotallAF

F(alNte			Sprke Fdded	LCS Result	LCS QualrXen	f (rt	B	5 ReG	5 ReG9 Lmrts		
5d5-DicNQoropropal e			592D	552l		ugjL		V0	60 - 730		
5-x utal ol e (RnK)			759	764	*	ugjL		73V	60 - 730		
5-1 NQorotQel e			592D	552B		ugjL		8V	60 - 730		
5-He, al ol e			759	77V		ugjL		V9	60 - 730		
4-1 NQorotQel e			592D	502D		ugjL		80	60 - 730		
4-IsopropWQoQel e			592D	532l		ugjL		V4	60 - 730		
4-RetNWC5-pel tal ol e (RIxK)			759	77V		ugjL		V9	60 - 730		
Acetol e			759	73.		ugjL		70V	60 - 730		
x el zel e			592D	532Y		ugjL		V5	60 - 730		
x romobel zel e			592D	532Y		ugjL		V5	60 - 730		
x romoBrm			592D	542V		ugjL		700	60 - 730		
x romometNal e			592D	7V2Y		ugjL		6.	60 - 730		
1 arbol yisuBye			592D	532B		ugjL		V3	60 - 730		
1 arbol tetracNQoriye			592D	532S		ugjL		V9	60 - 730		
1 NQorobel zel e			592D	532B		ugjL		V3	60 - 730		
1 NQorobromometNal e			592D	592Y		ugjL		700	60 - 730		
1 NQoroyibromometNal e			592D	542S		ugjL		V6	60 - 730		
1 NQoroetNal e			592D	532Q		ugjL		V4	60 - 730		
1 NQoroBrm			592D	532D		ugjL		V5	60 - 730		
1 NQorometNal e			592D	552B		ugjL		8V	60 - 730		
cis-7d5-DicNQoroetNel e			592D	542B		ugjL		V6	60 - 730		
cis-7d3-DicNQoropropel e			592D	542S		ugjL		V6	60 - 730		
DicNQorobromometNal e			592D	532S		ugjL		V3	60 - 730		
DicNQoroyiBQorometNal e			902D	9. 2Q		ugjL		773	60 - 730		
ntNWQetNer			592D	542B		ugjL		VV	60 - 730		
ntNWQel zel e			592D	552B		ugjL		V7	60 - 730		
ntNWQl e Dibromiye			592D	532S		ugjL		V9	60 - 730		
He, acNQorobutayiel e			592D	532Y		ugjL		V3	60 - 730		
IsopropWQetNer			592D	542B		ugjL		VV	60 - 730		
IsopropWQel zel e			592D	552l		ugjL		8V	60 - 730		
RetNWQtert-butWQetNer			592D	542l		ugjL		V8	60 - 730		
RetNWQl e 1 NQoriye			592D	552B		ugjL		8V	60 - 730		
m-f WQl e X p-f WQl e			902D	4. 25		ugjL		V5	60 - 730		
MapNtNaQel e			592D	542S		ugjL		V6	60 - 730		
l -x utWQel zel e			592D	552B		ugjL		V7	60 - 730		
M-hropWQel zel e			592D	552S		ugjL		V7	60 - 730		
o-f WQl e			592D	532Y		ugjL		V3	60 - 730		
sec-x utWQel zel e			592D	552B		ugjL		V7	60 - 730		
/ tWel e			592D	532Q		ugjL		V4	60 - 730		
Tert-amWQmetNWQetNer			592D	542V		ugjL		VV	60 - 730		
Tert-butWQetNWQetNer			592D	542l		ugjL		V8	60 - 730		
tert-x utWQel zel e			592D	532		ugjL		V9	60 - 730		
TetracNQoroetNel e			592D	542S		ugjL		VV	60 - 730		
TetraNWyroBural			759	758		ugjL		703	60 - 730		
ToQel e			592D	552B		ugjL		V7	60 - 730		
tral s-7d5-DicNQoroetNel e			592D	532l		ugjL		V3	60 - 730		
tral s-7d3-DicNQoropropel e			592D	532l		ugjL		V4	60 - 730		
TricNQoroetNel e			592D	532Q		ugjL		V4	60 - 730		

Method: 8260C i Oolatrle g rnca(rGCompou(ds /) CIMSD/Co(tr(uedD

Lab Sample \B: LCS 480i108444l4
MatrnW P aten
F(alNsrs - atGh: 108444

Clre(t Sample \B: Lab Co(trol Sample
Trep yNpe: yotallAF

F(alNte			Sprke Fdded	LCS Result	LCS QualrQen	f (rt	B	5 ReG	5 ReG9 Lrmrts		
TricNQroBQoromet Nal e			592Q	592		ugjL		703	60 - 730		
&il WQcNQriye			592Q	572V		ugjL		88	60 - 730		
DibromometNal e			592Q	5424		ugjL		V6	60 - 730		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
T, c hmhue2-d8 ((S	*nn*		*f 7 ur 07*
r t8u6 :zaç (, htaBmhue) -d8 ((S	*nf*		*f 7 ur 07*
) uo (, D, ic , (, 4hm5hmh-d8 ((S	*r 7)*		*f 7 ur 07*

Lab Sample \B: LCSB 480i108444lx
MatrnW P aten
F(alNsrs - atGh: 108444

Clre(t Sample \B: Lab Co(trol Sample Bup
Trep yNpe: yotallAF

F(alNte			Sprke Fdded	LCSB Result	LCSB QualrQen	f (rt	B	5 ReG	5 ReG9 Lrmrts	RTB	RTB Lrmrt
7d7d5-TetracNQroetNal e			592Q	5325		ugjL		V3	60 - 730	4	50
7d7-TricNQroetNal e			592Q	552Q		ugjL		88	60 - 730	9	50
7d5d5-TetracNQroetNal e			592Q	5329		ugjL		V4	60 - 730	7	50
7d5-TricNQroetNal e			592Q	5329		ugjL		V4	60 - 730	7	50
7d-DicNQroetNal e			592Q	5529		ugjL		V0	60 - 730	3	50
7d-DicNQroetNel e			592Q	572V		ugjL		88	60 - 730	6	50
7d-DicNQropropel e			592Q	5526		ugjL		V7	60 - 730	4	50
7d5d3-TricNQrobel zel e			592Q	5325		ugjL		V3	60 - 730	4	50
7d5d3-TricNQropropal e			592Q	542Q		ugjL		V.	60 - 730	7	50
7d5d4-TricNQrobel zel e			592Q	5423		ugjL		V6	60 - 730	5	50
7d5d4-TrimetNWQel zel e			592Q	5529		ugjL		V0	60 - 730	7	50
7d5-Dibromo-3-1 NQropropal e			592Q	5429		ugjL		V8	60 - 730	7	50
7d5-DicNQrobel zel e			592Q	5327		ugjL		V5	60 - 730	0	50
7d5-DicNQroetNal e			592Q	5523		ugjL		8V	60 - 730	5	50
7d5-DicNQropropal e			592Q	5526		ugjL		V7	60 - 730	4	50
7d8d9-TrimetNWQel zel e			592Q	552Q		ugjL		88	60 - 730	3	50
7d8-DicNQrobel zel e			592Q	5323		ugjL		V3	60 - 730	7	50
7d8-DicNQropropal e			592Q	5525		ugjL		8V	60 - 730	5	50
7d4-DicNQrobel zel e			592Q	532Q		ugjL		V5	60 - 730	7	50
7d4-Dio, al e			7000	V63		ugjL		V6	60 - 730	8	50
5d5-DicNQropropal e			592Q	5729		ugjL		8.	60 - 730	4	50
5-xutal ol e (RnK)			759	7. V	*	ugjL		73.	60 - 730	3	50
5-1 NQrotoQel e			592Q	5529		ugjL		V0	60 - 730	7	50
5-He, al ol e			759	778		ugjL		V4	60 - 730	7	50
4-1 NQrotoQel e			592Q	7V2V		ugjL		80	60 - 730	0	50
4-IsopropWQoQel e			592Q	5523		ugjL		V7	60 - 730	3	50
4-RetNWC5-pel tal ol e (RIxK)			759	778		ugjL		V9	60 - 730	7	50
Acetol e			759	750		ugjL		V.	60 - 730	73	50
xel zel e			592Q	5524		ugjL		8V	60 - 730	3	50
xromobel zel e			592Q	5324		ugjL		V3	60 - 730	7	50
xromoBrm			592Q	5424		ugjL		V8	60 - 730	5	50
xromomet Nal e			592Q	5524		ugjL		V0	60 - 730	7.	50
1arbol yisuBye			592Q	5525		ugjL		8V	60 - 730	9	50
1arbol tetracNQriye			592Q	5529		ugjL		V0	60 - 730	9	50

Method: 8260C i Oolatrle g rnca(rGCompou(ds /) CIMSD/Co(tr(uedD

Lab Sample \B: LCSB 480i108444lx
MatrnW P aten
F(alNsrs - atGh: 108444

Clre(t Sample \B: Lab Co(tnol Sample Bup
Trep yNpe: yotallAF

F(alNte			Sprke Fdded	LCSB Result	LCSB Qualr%en	f (rt	B	5 ReG	5 ReG9 Lrmrts	RTB	RTB Lrmrt
1 NQrobel zel e			592 0	552 8		ugjL		V7	60 - 730	3	50
1 NQrobromometNal e			592 0	542 6		ugjL		VV	60 - 730	5	50
1 NQroyibromometNal e			592 0	532 8		ugjL		V9	60 - 730	5	50
1 NQroetNal e			592 0	552 6		ugjL		V7	60 - 730	3	50
1 NQroBrm			592 0	572 /		ugjL		88	60 - 730	9	50
1 NQrometNal e			592 0	572		ugjL		8.	60 - 730	3	50
cis-7d5-DicNQroetNel e			592 0	552 /		ugjL		V7	60 - 730	.	50
cis-7d3-DicNQropropel e			592 0	532 4		ugjL		V4	60 - 730	4	50
DicNQrobromometNal e			592 0	552		ugjL		V0	60 - 730	5	50
DicNQroyiBDorometNal e			902 0	932 6		ugjL		706	60 - 730	9	50
ntNWQetNer			592 0	542 3		ugjL		V6	60 - 730	5	50
ntNWQel zel e			592 0	552 7		ugjL		88	60 - 730	3	50
ntNWQl e Dibromiye			592 0	532 9		ugjL		V4	60 - 730	7	50
He, acNQrobutayiel e			592 0	552 7		ugjL		88	60 - 730	9	50
IsopropWQetNer			592 0	542 5		ugjL		V6	60 - 730	3	50
IsopropWQel zel e			592 0	552 7		ugjL		88	60 - 730	7	50
RetNWQtert-butWQetNer			592 0	542 7		ugjL		V6	60 - 730	7	50
RetNWQl e 1 NQriye			592 0	572 5		ugjL		89	60 - 730	9	50
m-f WQl e X p-f WQl e			902 0	442 9		ugjL		8V	60 - 730	4	50
MapNtNaQl e			592 0	532 9		ugjL		V4	60 - 730	3	50
l -x utWQel zel e			592 0	552 4		ugjL		V0	60 - 730	5	50
M-hropWQel zel e			592 0	552 3		ugjL		8V	60 - 730	5	50
o-f WQl e			592 0	552 8		ugjL		V7	60 - 730	7	50
sec-x utWQel zel e			592 0	552		ugjL		V0	60 - 730	7	50
/ tWel e			592 0	552 6		ugjL		V7	60 - 730	3	50
Tert-amWQmetNWQetNer			592 0	542 9		ugjL		V8	60 - 730	5	50
Tert-butWQetNWQetNer			592 0	532 8		ugjL		V9	60 - 730	3	50
tert-x utWQel zel e			592 0	552 6		ugjL		V7	60 - 730	4	50
TetracNQroetNel e			592 0	532 8		ugjL		V9	60 - 730	4	50
TetraNWyroBural			759	755		ugjL		V8	60 - 730	9	50
ToQel e			592 0	552 5		ugjL		8V	60 - 730	3	50
tral s-7d5-DicNQroetNel e			592 0	552 /		ugjL		V5	60 - 730	5	50
tral s-7d3-DicNQropropel e			592 0	552 /		ugjL		V5	60 - 730	5	50
TricNQroetNel e			592 0	552 8		ugjL		V7	60 - 730	3	50
TricNQroBDorometNal e			592 0	532 6		ugjL		V9	60 - 730	8	50
&il WQcNQriye			592 0	572 0		ugjL		84	60 - 730	9	50
DibromometNal e			592 0	532		ugjL		V9	60 - 730	3	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
T, c hmhue2-d8 ((S	*nn*		*f 7 ur 07*
r b8u6 :zaç (, htaBmhue) -d8 ((S	*nf*		*f 7 ur 07*
) uo (, D, ic , (, 4hm5hmh-d8 ((S	*r 70*		*f 7 ur 07*

Method: 8260C i Oolatrle g rnca(rGCompou(ds /) CIMSD/Co(tr(uedD

Lab Sample VB: M- 480i108x76l,
MatrnW P aten
F(alNsrs - atGh: 108x76

Clre(t Sample VB: Method - la(k
Trep yNpe: yotalIAF

F(alNte	M- Result	M- Qualr%en	RL	MBL	f (rt	B	Tnepared	F(alNUed	Brl zaG
7d7d7d5-TetracNQroetNal e	MD		720		ugjL			03j55j73 00:76	7
7d7d7-TricNQroetNal e	MD		720		ugjL			03j55j73 00:76	7
7d7d5d5-TetracNQroetNal e	MD		0290		ugjL			03j55j73 00:76	7
7d7d5-TricNQroetNal e	MD		720		ugjL			03j55j73 00:76	7
7d7-DicNQroetNal e	MD		720		ugjL			03j55j73 00:76	7
7d7-DicNQroetNel e	MD		720		ugjL			03j55j73 00:76	7
7d7-DicNQropropel e	MD		720		ugjL			03j55j73 00:76	7
7d5d3-TricNQrobel zel e	MD		720		ugjL			03j55j73 00:76	7
7d5d3-TricNQropropal e	MD		720		ugjL			03j55j73 00:76	7
7d5d4-TricNQrobel zel e	MD		720		ugjL			03j55j73 00:76	7
7d5d4-TrimetNWQel zel e	MD		720		ugjL			03j55j73 00:76	7
7d5-Dibromo-3-1 NQropropal e	MD		920		ugjL			03j55j73 00:76	7
7d5-DicNQrobel zel e	MD		720		ugjL			03j55j73 00:76	7
7d5-DicNQroetNal e	MD		720		ugjL			03j55j73 00:76	7
7d5-DicNQropropal e	MD		720		ugjL			03j55j73 00:76	7
7d8d9-TrimetNWQel zel e	MD		720		ugjL			03j55j73 00:76	7
7d8-DicNQrobel zel e	MD		720		ugjL			03j55j73 00:76	7
7d8-DicNQropropal e	MD		720		ugjL			03j55j73 00:76	7
7d4-DicNQrobel zel e	MD		720		ugjL			03j55j73 00:76	7
7d4-Dio, al e	MD		90		ugjL			03j55j73 00:76	7
5d5-DicNQropropal e	MD		720		ugjL			03j55j73 00:76	7
5-x utal ol e (RnK)	MD		70		ugjL			03j55j73 00:76	7
5-1 NQrotoQel e	MD		720		ugjL			03j55j73 00:76	7
5-He, al ol e	MD		70		ugjL			03j55j73 00:76	7
4-1 NQrotoQel e	MD		720		ugjL			03j55j73 00:76	7
4-IsopropWQoQel e	MD		720		ugjL			03j55j73 00:76	7
4-RetNWQ5-pel tal ol e (RIxK)	MD		70		ugjL			03j55j73 00:76	7
Acetol e	MD		90		ugjL			03j55j73 00:76	7
x el zel e	MD		720		ugjL			03j55j73 00:76	7
x romobel zel e	MD		720		ugjL			03j55j73 00:76	7
x romoBrm	MD		720		ugjL			03j55j73 00:76	7
x romometNal e	MD		520		ugjL			03j55j73 00:76	7
1 arbol yisuBye	MD		70		ugjL			03j55j73 00:76	7
1 arbol tetracNQriye	MD		720		ugjL			03j55j73 00:76	7
1 NQrobel zel e	MD		720		ugjL			03j55j73 00:76	7
1 NQrobromometNal e	MD		720		ugjL			03j55j73 00:76	7
1 NQroyibromometNal e	MD		0290		ugjL			03j55j73 00:76	7
1 NQroetNal e	MD		520		ugjL			03j55j73 00:76	7
1 NQroBrm	MD		720		ugjL			03j55j73 00:76	7
1 NQrometNal e	MD		520		ugjL			03j55j73 00:76	7
cis-7d5-DicNQroetNel e	MD		720		ugjL			03j55j73 00:76	7
cis-7d3-DicNQropropel e	MD		0240		ugjL			03j55j73 00:76	7
DicNQrobromometNal e	MD		0290		ugjL			03j55j73 00:76	7
DicNQroyiBoorometNal e	MD		720		ugjL			03j55j73 00:76	7
ntWQetNer	MD		720		ugjL			03j55j73 00:76	7
ntWQel zel e	MD		720		ugjL			03j55j73 00:76	7
ntWQl e Dibromiye	MD		720		ugjL			03j55j73 00:76	7
He, acNQrobutayiel e	MD		0240		ugjL			03j55j73 00:76	7

Method: 8260C i Oolatrle g rnca(rGCompou(ds /) CIMSD/Co(tr(uedD

Lab Sample \B: M- 480i108x76l,
MatrnW P aten
F(alNsrs - atGh: 108x76

CIre(t Sample \B: Method - la(k
Trep yNpe: yotallAF

F(alNte	M- Result	M- Qualr%en	RL	MBL	f (rt	B	Tnepared	F(alNUed	Brl zaG
IsopropWQetNer	MD		70		ugjL			03j55j73 00:76	7
IsopropWQel zel e	MD		720		ugjL			03j55j73 00:76	7
RetNWQert-butWQetNer	MD		720		ugjL			03j55j73 00:76	7
RetNWQl e 1 NQoriye	MD		720		ugjL			03j55j73 00:76	7
m-f WQl e X p-f WQl e	MD		520		ugjL			03j55j73 00:76	7
MapNtNaQl e	MD		920		ugjL			03j55j73 00:76	7
l -x utWQel zel e	MD		720		ugjL			03j55j73 00:76	7
M-hropWQel zel e	MD		720		ugjL			03j55j73 00:76	7
o-f WQl e	MD		720		ugjL			03j55j73 00:76	7
sec-x utWQel zel e	MD		720		ugjL			03j55j73 00:76	7
/ tWel e	MD		720		ugjL			03j55j73 00:76	7
Tert-amWQmetNWQetNer	MD		920		ugjL			03j55j73 00:76	7
Tert-butWQetNWQetNer	MD		920		ugjL			03j55j73 00:76	7
tert-x utWQel zel e	MD		720		ugjL			03j55j73 00:76	7
TetracNQroetNel e	MD		720		ugjL			03j55j73 00:76	7
TetraNWyroBural	MD		70		ugjL			03j55j73 00:76	7
ToQel e	MD		720		ugjL			03j55j73 00:76	7
tral s-7d5-DicNQroetNel e	MD		720		ugjL			03j55j73 00:76	7
tral s-7d3-DicNQropropel e	MD		0240		ugjL			03j55j73 00:76	7
TricNQroetNel e	MD		720		ugjL			03j55j73 00:76	7
TricNQroBQoromet Nal e	MD		720		ugjL			03j55j73 00:76	7
&il WQcNQriye	MD		0290		ugjL			03j55j73 00:76	7
DibromometNal e	MD		720		ugjL			03j55j73 00:76	7

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
T, c hmhue2-d8 ((S	*nf*		*f 7 ur 07*		*7013310-77/rf*	*r*
rb8u6:zaç (, htaBmhue) -d8 ((S	*n9*		*f 7 ur 07*		*7013310-77/rf*	*r*
) uo(, D, ic , (, 4hm5hmh-d8 ((S	*r 7r*		*f 7 ur 07*		*7013310-77/rf*	*r*

Lab Sample \B: LCS 480i108x76l4
MatrnW P aten
F(alNsrs - atGh: 108x76

CIre(t Sample \B: Lab Co(trol Sample
Trep yNpe: yotallAF

F(alNte	Spnke Fdded	LCS Result	LCS Qualr%en	f (rt	B	5 ReG	5 ReG9 Lmrnts
7d7d5-TetracNQroetNal e	5920	5324		ugjL		V4	60 - 730
7d7-TricNQroetNal e	5920	5523		ugjL		8V	60 - 730
7d5d5-TetracNQroetNal e	5920	5420		ugjL		V.	60 - 730
7d5-TricNQroetNal e	5920	5323		ugjL		V3	60 - 730
7d-DicNQroetNal e	5920	5329		ugjL		V4	60 - 730
7d-DicNQroetNel e	5920	5325		ugjL		V3	60 - 730
7d-DicNQropropel e	5920	5326		ugjL		V9	60 - 730
7d5d3-TricNQrobel zel e	5920	5424		ugjL		V8	60 - 730
7d5d3-TricNQropropal e	5920	5427		ugjL		V.	60 - 730
7d5d4-TricNQrobel zel e	5920	5924		ugjL		705	60 - 730
7d5d4-TrimetNWQel zel e	5920	5324		ugjL		V4	60 - 730
7d5-Dibromo-3-1 NQropropal e	5920	5920		ugjL		700	60 - 730
7d5-DicNQrobel zel e	5920	5327		ugjL		V.	60 - 730
7d5-DicNQroetNal e	5920	5527		ugjL		V5	60 - 730

Method: 8260C i Oolatrle g rnca(rG Compou(ds /) CIMSD/Co(tr(uedD

Lab Sample \B: LCS 480i108x76l4
MatrnW P aten
F(alNsrs - atGh: 108x76

Clre(t Sample \B: Lab Co(trol Sample
Trep yNpe: yotallAF

F(alNte	Sprke Fdded	LCS Result	LCS QualrXen	f (rt	B	5 ReG	5 ReG9 Lrmrts
7d5-DicNCoropropal e	592 0	532 9		ugjL		V4	60 - 730
7d8d9-TrimetNWCel zel e	592 0	532 5		ugjL		V3	60 - 730
7d8-DicNCorobel zel e	592 0	532 6		ugjL		V9	60 - 730
7d8-DicNCoropropal e	592 0	532 4		ugjL		V4	60 - 730
7d4-DicNCorobel zel e	592 0	532 8		ugjL		V9	60 - 730
7d4-Dio, al e	7000	7070		ugjL		707	60 - 730
5d5-DicNCoropropal e	592 0	502 8		ugjL		83	60 - 730
5-x utal ol e (RnK)	759	763	*	ugjL		738	60 - 730
5-1 NCorotoQel e	592 0	532 5		ugjL		V3	60 - 730
5-He, al ol e	759	779		ugjL		V5	60 - 730
4-1 NCorotoQel e	592 0	502 6		ugjL		83	60 - 730
4-IsopropWCoQel e	592 0	532V		ugjL		V.	60 - 730
4-RetNWC5-pel tal ol e (RIxK)	759	776		ugjL		V3	60 - 730
Acetol e	759	776		ugjL		V3	60 - 730
xel zel e	592 0	532 9		ugjL		V4	60 - 730
xromobel zel e	592 0	532		ugjL		V9	60 - 730
xromoBrm	592 0	542 5		ugjL		V6	60 - 730
xromometNal e	592 0	572 9		ugjL		8.	60 - 730
1 arbol yisuBye	592 0	572 3		ugjL		89	60 - 730
1 arbol tetracNCoriye	592 0	552 4		ugjL		V0	60 - 730
1 NCorobel zel e	592 0	532 6		ugjL		V9	60 - 730
1 NCorobromometNal e	592 0	592 4		ugjL		705	60 - 730
1 NCoroyibromometNal e	592 0	542 3		ugjL		V6	60 - 730
1 NCoroetNal e	592 0	552 3		ugjL		8V	60 - 730
1 NCoroBrm	592 0	532 3		ugjL		V3	60 - 730
1 NCorometNal e	592 0	532 3		ugjL		V3	60 - 730
cis-7d5-DicNCoroetNel e	592 0	542 9		ugjL		V8	60 - 730
cis-7d8-DicNCoropropel e	592 0	542 4		ugjL		V6	60 - 730
DicNCorobromometNal e	592 0	532		ugjL		V4	60 - 730
DicNCoroyiBoorometNal e	902 0	932 0		ugjL		70.	60 - 730
ntNWCetNer	592 0	542 9		ugjL		V8	60 - 730
ntNWCel zel e	592 0	532 7		ugjL		V5	60 - 730
ntNWCl e Dibromiye	592 0	542 5		ugjL		V6	60 - 730
He, acNCorobutayiel e	592 0	532 3		ugjL		V3	60 - 730
IsopropWCetNer	592 0	592 5		ugjL		707	60 - 730
IsopropWCel zel e	592 0	532 7		ugjL		V5	60 - 730
RetNWCtert-butWCetNer	592 0	532 4		ugjL		V4	60 - 730
RetNWCl e 1 NCoriye	592 0	552 8		ugjL		V7	60 - 730
m-f WCl e X p-f WCl e	902 0	462 8		ugjL		V.	60 - 730
MapNtNaCl e	592 0	542 6		ugjL		VV	60 - 730
l -x utWCel zel e	592 0	532 5		ugjL		V3	60 - 730
M-hropWCel zel e	592 0	552 8		ugjL		V7	60 - 730
o-f WCl e	592 0	532 8		ugjL		V9	60 - 730
sec-x utWCel zel e	592 0	532 3		ugjL		V3	60 - 730
/ tWel e	592 0	532 6		ugjL		V9	60 - 730
Tert-amWCmetNWCetNer	592 0	542 6		ugjL		VV	60 - 730
Tert-butWCetNWCetNer	592 0	542 9		ugjL		V8	60 - 730
tert-x utWCel zel e	592 0	542 0		ugjL		V.	60 - 730

Method: 8260C i Oolatrle g rnca(rG Compou(ds /) CIMSD/Co(tr(uedD

Lab Sample \B: LCS 480i108x76l4
MatrnW P aten
F(alNsrs - atGh: 108x76

Clre(t Sample \B: Lab Co(trol Sample
Trep yNpe: yotallAF

F(alNte			Sprke Fdded	LCS Result	LCS QualrQen	f (rt	B	5 ReG	5 ReG9 Lrnrts		
TetracNQroetNel e			592Q	592S		ugjL		707	60 - 730		
TetraNWyroBural			759	77V		ugjL		V9	60 - 730		
ToQel e			592Q	532		ugjL		V4	60 - 730		
tral s-7d5-DicNQroetNel e			592Q	532V		ugjL		V.	60 - 730		
tral s-7d3-DicNQropropel e			592Q	532Y		ugjL		V3	60 - 730		
TricNQroetNel e			592Q	542Y		ugjL		V6	60 - 730		
TricNQroBQoromet Nal e			592Q	542Q		ugjL		V8	60 - 730		
&il WQcNQriye			592Q	552I		ugjL		8V	60 - 730		
DibromometNal e			592Q	542S		ugjL		V6	60 - 730		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
T, c hmhue2-d8 ((S	*nf*		*f 7 ur 07*
r l3u6 :zaq (, htaBmhue) -d8 ((S	*n)*		*f 7 ur 07*
) uo (, D, ic , (, 4hm5hmh-d8 ((S	*r 73*		*f 7 ur 07*

Lab Sample \B: LCSB 480i108x76lx
MatrnW P aten
F(alNsrs - atGh: 108x76

Clre(t Sample \B: Lab Co(trol Sample Bup
Trep yNpe: yotallAF

F(alNte			Sprke Fdded	LCSB Result	LCSB QualrQen	f (rt	B	5 ReG	5 ReG9 Lrnrts	RTB RTB	RTB Lrnrt
7d7d5-TetracNQroetNal e			592Q	542		ugjL		V8	60 - 730	9	50
7d7-TricNQroetNal e			592Q	552Y		ugjL		V0	60 - 730	7	50
7d5d5-TetracNQroetNal e			592Q	532		ugjL		V4	60 - 730	7	50
7d5-TricNQroetNal e			592Q	532V		ugjL		V.	60 - 730	5	50
7d-DicNQroetNal e			592Q	552S		ugjL		V7	60 - 730	3	50
7d-DicNQroetNel e			592Q	572V		ugjL		88	60 - 730	.	50
7d-DicNQropropel e			592Q	532Y		ugjL		V4	60 - 730	7	50
7d5d3-TricNQrobel zel e			592Q	542		ugjL		V8	60 - 730	7	50
7d5d3-TricNQropropal e			592Q	532V		ugjL		V.	60 - 730	7	50
7d5d4-TricNQrobel zel e			592Q	592Y		ugjL		705	60 - 730	7	50
7d5d4-TrimetNWQel zel e			592Q	532S		ugjL		V3	60 - 730	7	50
7d5-Dibromo-3-1 NQropropal e			592Q	552V		ugjL		V5	60 - 730	V	50
7d5-DicNQrobel zel e			592Q	532		ugjL		V9	60 - 730	7	50
7d5-DicNQroetNal e			592Q	552		ugjL		V0	60 - 730	5	50
7d5-DicNQropropal e			592Q	532		ugjL		V9	60 - 730	7	50
7d3d9-TrimetNWQel zel e			592Q	552		ugjL		V0	60 - 730	5	50
7d3-DicNQrobel zel e			592Q	532S		ugjL		V9	60 - 730	0	50
7d3-DicNQropropal e			592Q	532Q		ugjL		V5	60 - 730	5	50
7d4-DicNQrobel zel e			592Q	532V		ugjL		V.	60 - 730	0	50
7d4-Dio, al e			7000	V75		ugjL		V7	60 - 730	77	50
5d5-DicNQropropal e			592Q	572V		ugjL		86	60 - 730	9	50
5-x utal ol e (RnK)			759	7. 7		ugjL		758	60 - 730	6	50
5-1 NQrotoQel e			592Q	552		ugjL		V0	60 - 730	3	50
5-He, al ol e			759	70V		ugjL		86	60 - 730	.	50
4-1 NQrotoQel e			592Q	502S		ugjL		87	60 - 730	5	50
4-IsopropWQoQel e			592Q	532Y		ugjL		V3	60 - 730	5	50
4-RetNWQ5-pel tal ol e (RIxK)			759	777		ugjL		8V	60 - 730	9	50
Acetol e			759	70V		ugjL		86	60 - 730	6	50

Method: 8260C i Oolatrle g rnca(rGCompou(ds /) CIMSD/Co(tr(uedD

Lab Sample VB: LCSB 480i108x76lx
MatrnW P aten
F(alNsrs - atGh: 108x76

Clre(t Sample VB: Lab Co(tnol Sample Bup
Trep yNpe: yotallAF

F(alNte			Sprke Fdded	LCSB Result	LCSB Qualr%en	f (rt	B	5 ReG	5 ReG9 Lrnrts	RTB	RTB Lrnrt
xel zel e			592 0	532 5		ugjL		V3	60 - 730	7	50
xromobel zel e			592 0	532 6		ugjL		V9	60 - 730	0	50
xromoBorm			592 0	542 5		ugjL		V6	60 - 730	0	50
xromometNal e			592 0	5. 2 3		ugjL		709	60 - 730	50	50
1 arbol yisuBye			592 0	572 7		ugjL		84	60 - 730	7	50
1 arbol tetracNCoriye			592 0	552 5		ugjL		8V	60 - 730	7	50
1 NCorobel zel e			592 0	532 4		ugjL		V4	60 - 730	7	50
1 NCorobromometNal e			592 0	592 5		ugjL		707	60 - 730	7	50
1 NCoroyibromometNal e			592 0	542 5		ugjL		V6	60 - 730	0	50
1 NCoroetNal e			592 0	532 3		ugjL		V3	60 - 730	4	50
1 NCoroBorm			592 0	552 V		ugjL		V5	60 - 730	5	50
1 NCorometNal e			592 0	532 0		ugjL		V5	60 - 730	7	50
cis-7d5-DicNCoroetNel e			592 0	532 8		ugjL		V9	60 - 730	3	50
cis-7d3-DicNCoropropel e			592 0	542 4		ugjL		V8	60 - 730	0	50
DicNCorobromometNal e			592 0	532 4		ugjL		V4	60 - 730	7	50
DicNCoroyiBQoorometNal e			902 0	972 8		ugjL		704	60 - 730	5	50
ntNWCetNer			592 0	592 0		ugjL		700	60 - 730	5	50
ntNWCel zel e			592 0	552 8		ugjL		V7	60 - 730	7	50
ntNWCel e Dibromiye			592 0	532 6		ugjL		V9	60 - 730	5	50
He, acNCorobutayiel e			592 0	532 9		ugjL		V4	60 - 730	7	50
IsopropWCetNer			592 0	542 8		ugjL		VV	60 - 730	5	50
IsopropWCel zel e			592 0	552 8		ugjL		V7	60 - 730	7	50
RetNWCtert-butWCetNer			592 0	532 3		ugjL		V3	60 - 730	0	50
RetNWCel e 1 NCoriye			592 0	552		ugjL		V0	60 - 730	7	50
m-f WCel e X p-f WCel e			902 0	4. 2 5		ugjL		V5	60 - 730	3	50
MapNtNaCel e			592 0	542 0		ugjL		V.	60 - 730	3	50
l -x utWCel zel e			592 0	552 9		ugjL		V0	60 - 730	3	50
M-hropWCel zel e			592 0	552		ugjL		V0	60 - 730	7	50
o-f WCel e			592 0	532 9		ugjL		V4	60 - 730	5	50
sec-x utWCel zel e			592 0	532 5		ugjL		V3	60 - 730	0	50
/ tWel e			592 0	532 3		ugjL		V3	60 - 730	5	50
Tert-amWCmetNWCetNer			592 0	542 V		ugjL		VV	60 - 730	7	50
Tert-butWCetNWCetNer			592 0	542 9		ugjL		V8	60 - 730	0	50
tert-x utWCel zel e			592 0	532 4		ugjL		V4	60 - 730	5	50
TetracNCoroetNel e			592 0	542 9		ugjL		V8	60 - 730	3	50
TetraNWyroBural			759	774		ugjL		V7	60 - 730	4	50
ToQel e			592 0	552 V		ugjL		V7	60 - 730	3	50
tral s-7d5-DicNCoroetNel e			592 0	542 0		ugjL		V.	60 - 730	0	50
tral s-7d3-DicNCoropropel e			592 0	532 5		ugjL		V3	60 - 730	0	50
TricNCoroetNel e			592 0	532 6		ugjL		V9	60 - 730	5	50
TricNCoroBQoorometNal e			592 0	542 0		ugjL		V.	60 - 730	5	50
&il WCcNCoriye			592 0	552 4		ugjL		V0	60 - 730	0	50
DibromometNal e			592 0	542 4		ugjL		V8	60 - 730	0	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
T, c hmhue2-d8 ((S	*n2*		*f 7 ur 07*
r b8u6 :zaç (, htaBmhue) -d8 ((S	*n)*		*f 7 ur 07*
) uo (, D, ic , (, 4hm5hmh-d8 ((S	*r 73*		*f 7 ur 07*

Method: x22 Mg B i 134 BroWa(e /) CIMS SWMD

Lab Sample VB: M- 200ix. x04l1iF **Clre(t Sample VB: Method - la(k**
MatrWi P aten **Trep yNpe: yotallAF**
F(alNsrs - atGh: x. x17 **Trep - atGh: x. x04**

F(alNte	M- Result	M- Qualr%en	RL	MBL	f (rt	B	Trepared	F(alNUed	Brl zaG
7d4-Dio, al e	MD		0250		ugjL		03j56j73 74:09	03j56j73 78:75	7

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
r b) u6 :, xBmhue2-dB ((S	*f n*		*f 7 ur 07*	*7013f 1r 0-r) /79*	*7013f 1r 0-r 2/r 3*	*r*

Lab Sample VB: LCS 200ix. x04l2iF **Clre(t Sample VB: Lab Co(trol Sample**
MatrWi P aten **Trep yNpe: yotallAF**
F(alNsrs - atGh: x. x17 **Trep - atGh: x. x04**

F(alNte	Sprke Fdded	LCS Result	LCS Qualr%en	f (rt	B	5 ReG	5 ReG9 Lmrts
7d4-Dio, al e	8200	. 2 6		ugjL		83	60 - 730

Surrogate	LCS %Recovery	LCS Qualifier	Limits
r b) u6 :, xBmhue2-dB ((S	*2)*		*f 7 ur 07*

GC/MS VOA

Analysis Batch: 108441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34633-6	RS 70dd-d07303d0-07	TotaQMA	S ater	8d201	
480-34633-8	RS 70d3-d07303d0-07	TotaQMA	S ater	8d201	
480-34633-9	D5h003-d07303d0-07	TotaQMA	S ater	8d201	
480-34633-70	RS 7033-d07303d0-07	TotaQMA	S ater	8d201	
480-34633-77	RS 7034-d07303d0-07	TotaQMA	S ater	8d201	
480-34633-7d	D5h00d-d07303d0-07	TotaQMA	S ater	8d201	
480-34633-73	RS 70d8-d07303d0-07	TotaQMA	S ater	8d201	
B1/ 480-708447j4	Bab 1ol troC/ amUQe	TotaQMA	S ater	8d201	
B1/ D 480-708447jL	Bab 1ol troC/ amUQe DpU	TotaQMA	S ater	8d201	
Ru 480-708447j6	RetNoy uQal k	TotaQMA	S ater	8d201	

Analysis Batch: 108444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34633-7	RS 7070R-d07303d0-07	TotaQMA	S ater	8d201	
480-34633-d	RS 7070D-d07303d0-07	TotaQMA	S ater	8d201	
480-34633-3	RS 7002-d07303d0-07	TotaQMA	S ater	8d201	
480-34633-4	RS 7030-d07303d0-07	TotaQMA	S ater	8d201	
480-34633-L	RS 707LD-d07303d0-07	TotaQMA	S ater	8d201	
480-34633-2	RS 70dLR-d07303d0-07	TotaQMA	S ater	8d201	
B1/ 480-708444j4	Bab 1ol troC/ amUQe	TotaQMA	S ater	8d201	
B1/ D 480-708444jL	Bab 1ol troC/ amUQe DpU	TotaQMA	S ater	8d201	
Ru 480-708444j6	RetNoy uQal k	TotaQMA	S ater	8d201	

Analysis Batch: 108596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34633-2 - DB	RS 70dLR-d07303d0-07	TotaQMA	S ater	8d201	
480-34633-74	RS 70d6-d07303d0-07	TotaQMA	S ater	8d201	
480-34633-7L	Tu007-d07303d0-07	TotaQMA	S ater	8d201	
B1/ 480-708L92j4	Bab 1ol troC/ amUQe	TotaQMA	S ater	8d201	
B1/ D 480-708L92jL	Bab 1ol troC/ amUQe DpU	TotaQMA	S ater	8d201	
Ru 480-708L92j6	RetNoy uQal k	TotaQMA	S ater	8d201	

Analysis Batch: 108998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34633-2	RS 70dLR-d07303d0-07	TotaQMA	S ater	8d20u / IR	
480-34633-6	RS 70dd-d07303d0-07	TotaQMA	S ater	8d20u / IR	
480-34633-8	RS 70d3-d07303d0-07	TotaQMA	S ater	8d20u / IR	
480-34633-70	RS 7033-d07303d0-07	TotaQMA	S ater	8d20u / IR	
480-34633-77	RS 7034-d07303d0-07	TotaQMA	S ater	8d20u / IR	
B1/ 480-708998j3	Bab 1ol troC/ amUQe	TotaQMA	S ater	8d20u / IR	
B1/ D 480-708998j4	Bab 1ol troC/ amUQe DpU	TotaQMA	S ater	8d20u / IR	
Ru 480-708998jL	RetNoy uQal k	TotaQMA	S ater	8d20u / IR	

GC/MS Semi VOA

Prep Batch: 53504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34633-6	RS 70dd-d07303d0-07	TotaQMA	S ater	3L3LA	
480-34633-8	RS 70d3-d07303d0-07	TotaQMA	S ater	3L3LA	
480-34633-70	RS 7033-d07303d0-07	TotaQMA	S ater	3L3LA	

GC/MS Semi VOA (Continued)

Prep Batch: 53504 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34633-77	RS 7034-d07303d0-07	TotaQMA	S ater	3L3LA	
B1/ d00-L3L04jd-A	Bab 1 ol troC/ amUe	TotaQMA	S ater	3L3LA	
Ru d00-L3L04j7-A	RetNoy uQal k	TotaQMA	S ater	3L3LA	

Analysis Batch: 53519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34633-6	RS 70dd-d07303d0-07	TotaQMA	S ater	Ldd Rf D	L3L04
480-34633-8	RS 70d3-d07303d0-07	TotaQMA	S ater	Ldd Rf D	L3L04
480-34633-70	RS 7033-d07303d0-07	TotaQMA	S ater	Ldd Rf D	L3L04
480-34633-77	RS 7034-d07303d0-07	TotaQMA	S ater	Ldd Rf D	L3L04
B1/ d00-L3L04jd-A	Bab 1 ol troC/ amUe	TotaQMA	S ater	Ldd Rf D	L3L04
Ru d00-L3L04j7-A	RetNoy uQal k	TotaQMA	S ater	Ldd Rf D	L3L04

Client Sample ID: MW1010M2-01303-0201 **Lab Sample ID: 9402398332-1**
Date Collecte7: 03x-0x13 11:30 **Matri6: Water**
Date decei/e7: 03x-1x13 08:-9

yrep Rvpe	Tatch Rvpe	Tatch Metho7	dAn	DilAtion zactor	Tatch uAmber	yrepare7 or Bnalvse7	BnalvPt	Lab
TotaljNA	AnalWsis	8d20C		7	708444	03jd7j73 72:47	LH	TAL BUF

Client Sample ID: MW1010D2-01303-0201 **Lab Sample ID: 9402398332-2**
Date Collecte7: 03x-0x13 1-:9N **Matri6: Water**
Date decei/e7: 03x-1x13 08:-9

yrep Rvpe	Tatch Rvpe	Tatch Metho7	dAn	DilAtion zactor	Tatch uAmber	yrepare7 or Bnalvse7	BnalvPt	Lab
TotaljNA	AnalWsis	8d20C		7	708444	03jd7j73 76:0p	LH	TAL BUF

Client Sample ID: MW100F2-01303-0201 **Lab Sample ID: 9402398332-3**
Date Collecte7: 03x-0x13 19:00 **Matri6: Water**
Date decei/e7: 03x-1x13 08:-9

yrep Rvpe	Tatch Rvpe	Tatch Metho7	dAn	DilAtion zactor	Tatch uAmber	yrepare7 or Bnalvse7	BnalvPt	Lab
TotaljNA	AnalWsis	8d20C		7	708444	03jd7j73 76:d5	LH	TAL BUF

Client Sample ID: MW10302-01303-0201 **Lab Sample ID: 9402398332-9**
Date Collecte7: 03x-0x13 1N:00 **Matri6: Water**
Date decei/e7: 03x-1x13 08:-9

yrep Rvpe	Tatch Rvpe	Tatch Metho7	dAn	DilAtion zactor	Tatch uAmber	yrepare7 or Bnalvse7	BnalvPt	Lab
TotaljNA	AnalWsis	8d20C		7	708444	03jd7j73 76:pd	LH	TAL BUF

Client Sample ID: MW101ND2-01303-0201 **Lab Sample ID: 9402398332-N**
Date Collecte7: 03x-0x13 1-:10 **Matri6: Water**
Date decei/e7: 03x-1x13 08:-9

yrep Rvpe	Tatch Rvpe	Tatch Metho7	dAn	DilAtion zactor	Tatch uAmber	yrepare7 or Bnalvse7	BnalvPt	Lab
TotaljNA	AnalWsis	8d20C		7	708444	03jd7j73 78:72	LH	TAL BUF

Client Sample ID: MW10-NM2-01303-0201 **Lab Sample ID: 9402398332-F**
Date Collecte7: 03x-0x13 19:90 **Matri6: Water**
Date decei/e7: 03x-1x13 08:-9

yrep Rvpe	Tatch Rvpe	Tatch Metho7	dAn	DilAtion zactor	Tatch uAmber	yrepare7 or Bnalvse7	BnalvPt	Lab
TotaljNA	AnalWsis	8d20C		7	708444	03jd7j73 78:40	LH	TAL BUF
TotaljNA	AnalWsis	8d20C	DL	4	708p52	03jddj73 0d:32	LH	TAL BUF
TotaljNA	AnalWsis	8d20B / IM		7	708558	03jdpj73 73:36	TRB	TAL BUF

Client Sample ID: MW10- -2- 01303- 0201

Lab Sample ID: 9402398332B

Date Collecte7: 03x- 0x13 13:00

Matri6: Water

Date decei/ e7: 03x- 1x13 08:- 9

yrep Rvpe	Tatch Rvpe	Tatch Metho7	dAn	DilAtion zactor	Tatch uAmber	yrepare7 or Bnalvse7	BnalvPt	Lab
TotaljNA	AnalWsis	8d20C		7	708447	03jd7j73 76:4d	RL	TAL BUF
TotaljNA	AnalWsis	8d20B / IM		7	708558	03jdpj73 74:0d	TRB	TAL BUF
TotaljNA	1reu	3p3pA			p3p04	03jd6j73 74:0p	JAB	TAL BUR
TotaljNA	AnalWsis	pdd Mf D		7	p3p75	03jd6j73 78:p8	RJH	TAL BUR

Client Sample ID: MW10- 32- 01303- 0201

Lab Sample ID: 9402398332A

Date Collecte7: 03x- 0x13 1N:10

Matri6: Water

Date decei/ e7: 03x- 1x13 08:- 9

yrep Rvpe	Tatch Rvpe	Tatch Metho7	dAn	DilAtion zactor	Tatch uAmber	yrepare7 or Bnalvse7	BnalvPt	Lab
TotaljNA	AnalWsis	8d20C		7	708447	03jd7j73 78:08	RL	TAL BUF
TotaljNA	AnalWsis	8d20B / IM		7	708558	03jdpj73 74:d2	TRB	TAL BUF
TotaljNA	1reu	3p3pA			p3p04	03jd6j73 74:0p	JAB	TAL BUR
TotaljNA	AnalWsis	pdd Mf D		7	p3p75	03jd6j73 75:74	RJH	TAL BUR

Client Sample ID: D5y 0032- 01303- 0201

Lab Sample ID: 9402398332U

Date Collecte7: 03x- 0x13 19:19

Matri6: Water

Date decei/ e7: 03x- 1x13 08:- 9

yrep Rvpe	Tatch Rvpe	Tatch Metho7	dAn	DilAtion zactor	Tatch uAmber	yrepare7 or Bnalvse7	BnalvPt	Lab
TotaljNA	AnalWsis	8d20C		7	708447	03jd7j73 78:33	RL	TAL BUF

Client Sample ID: MW10332- 01303- 0201

Lab Sample ID: 940239833210

Date Collecte7: 03x- 0x13 1- :- N

Matri6: Water

Date decei/ e7: 03x- 1x13 08:- 9

yrep Rvpe	Tatch Rvpe	Tatch Metho7	dAn	DilAtion zactor	Tatch uAmber	yrepare7 or Bnalvse7	BnalvPt	Lab
TotaljNA	AnalWsis	8d20C		7	708447	03jd7j73 78:p8	RL	TAL BUF
TotaljNA	AnalWsis	8d20B / IM		7	708558	03jdpj73 74:p0	TRB	TAL BUF
TotaljNA	1reu	3p3pA			p3p04	03jd6j73 74:0p	JAB	TAL BUR
TotaljNA	AnalWsis	pdd Mf D		7	p3p75	03jd6j73 75:30	RJH	TAL BUR

Client Sample ID: MW10392- 01303- 0201

Lab Sample ID: 940239833211

Date Collecte7: 03x- 0x13 11:1N

Matri6: Water

Date decei/ e7: 03x- 1x13 08:- 9

yrep Rvpe	Tatch Rvpe	Tatch Metho7	dAn	DilAtion zactor	Tatch uAmber	yrepare7 or Bnalvse7	BnalvPt	Lab
TotaljNA	AnalWsis	8d20C		7	708447	03jd7j73 75:d3	RL	TAL BUF
TotaljNA	AnalWsis	8d20B / IM		7	708558	03jdpj73 7p:74	TRB	TAL BUF
TotaljNA	1reu	3p3pA			p3p04	03jd6j73 74:0p	JAB	TAL BUR
TotaljNA	AnalWsis	pdd Mf D		7	p3p75	03jd6j73 75:4p	RJH	TAL BUR

Lab Chronicle

Client: ERM-Northeast
1roPectj/ ite: ID/ S aWlany

TestAmerica Job ID: 480-34633-7

Client Sample ID: D5y00-2-01303-0201
Lab Sample ID: 940239833213-
Date Collecte7: 03x-0x13 11:11
Matri6: Water
Date decei/e7: 03x-1x13 08:-9

yrep Rvpe	Tatch Rvpe	Tatch Metho7	dAn	DilAtion zactor	Tatch uAmber	yrepare7 or Bnalvse7	BnalvPt	Lab
TotaljNA	AnalWsis	8d20C		7	708447	03jd7j73 75:45	RL	TAL BUF

Client Sample ID: MW10-42-01303-0201
Lab Sample ID: 940239833213
Date Collecte7: 03x-0x13 19:00
Matri6: Water
Date decei/e7: 03x-1x13 08:-9

yrep Rvpe	Tatch Rvpe	Tatch Metho7	dAn	DilAtion zactor	Tatch uAmber	yrepare7 or Bnalvse7	BnalvPt	Lab
TotaljNA	AnalWsis	8d20C		7	708447	03jd7j73 d0:74	RL	TAL BUF

Client Sample ID: MW10-82-01303-0201
Lab Sample ID: 940239833219
Date Collecte7: 03x-0x13 1N:0N
Matri6: Water
Date decei/e7: 03x-1x13 08:-9

yrep Rvpe	Tatch Rvpe	Tatch Metho7	dAn	DilAtion zactor	Tatch uAmber	yrepare7 or Bnalvse7	BnalvPt	Lab
TotaljNA	AnalWsis	8d20C		7	708p52	03jddj73 03:00	LH	TAL BUF

Client Sample ID: RT0012-01303-0201
Lab Sample ID: 940239833213N
Date Collecte7: 03x-0x13 13:13
Matri6: Water
Date decei/e7: 03x-1x13 08:-9

yrep Rvpe	Tatch Rvpe	Tatch Metho7	dAn	DilAtion zactor	Tatch uAmber	yrepare7 or Bnalvse7	BnalvPt	Lab
TotaljNA	AnalWsis	8d20C		7	708p52	03jddj73 03:d3	LH	TAL BUF

LaboratorvdeferenceP:

TAL BUF = TestAmerica BO9alo, 70 Hazelwooy Drive, Amherst, NY 74dd8-dd58, TEL (672)257-d200

TAL BUR = TestAmerica BOrlington, 30 CommOnitWDrive, / Qte 77, / oQth BOrlington, VT 0p403, TEL (80d)220-7550

Certification Summary

Client: ERM-Northeast
1roPectj/ ite: ID/ S aWany

TestAmerica Job ID: 480-34633-7

Laboratory: TestAmerica Buffalo

All certidcations hely bWthis laboratorWare listeyf Not all certidcations are a. . licable to this re. ortf

Authority	Program	EPA Region	Certification ID	Expiration Date
Arpansas DEk	/ tate 1rogram	Q	88-0Q8Q	06-0Q-73
Calidornia	NELA1	9	77Q9CA	09-30-73
Connecticut	/ tate 1rogram	7	1H-05Q8	09-30-74
Floriya	NELA1	4	E86Q62	0Q-30-73
Georgia	/ tate 1rogram	4	NjA	03-37-73
Georgia	/ tate 1rogram	4	95Q	0Q-30-73
Georgia	/ tate 1rogram	4	95Q	0Q-30-73
Illinois	NELA1	5	200003	09-30-73
Iowa	/ tate 1rogram	6	364	03-07-73
Kansas	NELA1	6	E-70786	07-37-74
KentucpW	/ tate 1rogram	4	90029	72-37-73
KentucpW(U/ T)	/ tate 1rogram	4	30	04-07-73
Louisiana	NELA1	Q	02037	0Q-30-73
Maine	/ tate 1rogram	7	NY00044	72-04-73
MarWany	/ tate 1rogram	3	294	03-37-73
Massachusetts	/ tate 1rogram	7	M-NY044	0Q-30-73
Michigan	/ tate 1rogram	5	9936	04-07-73
Minnesota	NELA1	5	03Q-999-336	72-37-73
New Ham. shire	NELA1	7	2963	09-77-73
New Ham. shire	NELA1	7	2336	77-76-73
New JerseW	NELA1	2	NY455	0Q-30-73
New Yorp	NELA1	2	7002Q	03-37-73
North Dapota	/ tate 1rogram	8	R-76Q	03-37-73
Oplahoma	/ tate 1rogram	Q	9427	08-37-73
Oregon	NELA1	70	NY200003	0Q-09-73
1ennsWania	NELA1	3	Q8-00287	06-37-73
Rhoye Islany	/ tate 1rogram	7	LAO00328	72-37-73
Tennessee	/ tate 1rogram	4	TN02960	04-07-73
Texas	NELA1	Q	T704604472-77-2	06-37-73
U/ DA	Feyeral		1330-77-0038Q	77-22-74
Virginia	NELA1	3	4Q0785	09-74-73
S ashington	/ tate 1rogram	70	C684	02-70-74
S est Virginia DE1	/ tate 1rogram	3	252	09-30-73
S isconsin	/ tate 1rogram	5	998370390	08-37-73

Laboratory: TestAmerica Burlington

All certidcations hely bWthis laboratorWare listeyf Not all certidcations are a. . licable to this re. ortf

Authority	Program	EPA Region	Certification ID	Expiration Date
Connecticut	/ tate 1rogram	7	1H-0657	09-30-73
DE Hazf / ubstf Cleanu. Act (H/ CA)	/ tate 1rogram	3	NA	02-73-75
Floriya	NELA1	4	E864Q6	0Q-30-73
L-A-B	DoD ELA1		L233Q	70-2Q-73
Louisiana	NELA1	Q	76Q292	0Q-30-73
Maine	/ tate 1rogram	7	VT00008	04-76-73
Minnesota	NELA1	5	050-999-43Q	72-37-73
New Ham. shire	NELA1	7	200Q70	72-78-73
New JerseW	NELA1	2	VT962	0Q-30-73
New Yorp	NELA1	2	70397	04-07-73
1ennsWania	NELA1	3	Q8-00489	04-30-73
Rhoye Islany	/ tate 1rogram	7	LAO00298	72-30-73
U/ DA	Feyeral		1330-77-00093	02-76-74

Certification Summary

Client: ERM-Northeast
1roPectj/ ite: ID/ S aWany

TestAmerica Job ID: 480-34633-7

Laboratory: TestAmerica Burlington (Continued)

All certidcations hely bWthis laboratorWare listeyf Not all certidcations are a. . licable to this re. ortf

Authority	Program	EPA Region	Certification ID	Expiration Date
Vermont	/ tate 1rogram	7	VT-4000	72-37-73
Virginia	NELA1	3	4Q0209	72-74-73

Method Summary

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34733-1

Method	Method Description	Protocol	Laboratory
8260B SIM	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF
8260C	Volatile Organic Compounds (GC/MS)	MA DEP	TAL BUF
522 MOD	1,4 Dioxane (GC/MS SIM)	EPA	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

MA DEP = Massachusetts Department Of Environmental Protection

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

1 Qel t: nER-MortNeast
hroPectj/ ite: ID/ S aWQal y

TestAmerica Job ID: 480-34633-7

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-34633-7	RS 7070R-d07303d0-07	S ater	03jd0j73 77:30	03jd7j73 06:d4
480-34633-d	RS 7070D-d07303d0-07	S ater	03jd0j73 7d:42	03jd7j73 06:d4
480-34633-3	RS 7009-d07303d0-07	S ater	03jd0j73 74:00	03jd7j73 06:d4
480-34633-4	RS 7030-d07303d0-07	S ater	03jd0j73 72:00	03jd7j73 06:d4
480-34633-2	RS 7072D-d07303d0-07	S ater	03jd0j73 7d:70	03jd7j73 06:d4
480-34633-9	RS 70d2R-d07303d0-07	S ater	03jd0j73 74:40	03jd7j73 06:d4
480-34633-6	RS 70dd-d07303d0-07	S ater	03jd0j73 73:00	03jd7j73 06:d4
480-34633-8	RS 70d3-d07303d0-07	S ater	03jd0j73 72:70	03jd7j73 06:d4
480-34633-5	DBh003-d07303d0-07	S ater	03jd0j73 74:74	03jd7j73 06:d4
480-34633-70	RS 7033-d07303d0-07	S ater	03jd0j73 7d:d2	03jd7j73 06:d4
480-34633-77	RS 7034-d07303d0-07	S ater	03jd0j73 77:72	03jd7j73 06:d4
480-34633-7d	DBh00d-d07303d0-07	S ater	03jd0j73 77:77	03jd7j73 06:d4
480-34633-73	RS 70d8-d07303d0-07	S ater	03jd0j73 74:00	03jd7j73 06:d4
480-34633-74	RS 70d6-d07303d0-07	S ater	03jd0j73 72:02	03jd7j73 06:d4
480-34633-72	TU007-d07303d0-07	S ater	03jd0j73 73:73	03jd7j73 06:d4

Login Sample Receipt Checklist

Client: ERM-Northeast

Job Number: 480-34733-1

Login Number: 34733
List Number: 1
Creator: Kolb, Chris M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: ERM-Northeast

Job Number: 480-34733-1

Login Number: 34733
List Number: 1
Creator: Gagne, Eric

List Source: TestAmerica Burlington
List Creation: 03/22/13 12:35 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	587249
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.2ºC IR GUN ID 181. CF 0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	Refer to Job Narrative for details.
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

Boston Service Center
240 Bear Hill Rd. Suite 104
Waltham, MA 02451
Phone (781) 466-6900 Fax (781) 466-6901

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Stacey Braga	Lab PM:	Carrier Tracking No(s):	COC No: 22857
Client Contact: Jason Flattery	Phone: 978-875-0426	E-Mail:		Page: 1/2
Company: ERM				Job #: 480-34733
Address: 1 Beacon St, 5th Floor	Due Date Requested:			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, H - Ascorbic Acid, I - Ice, J - DI Water, M - Hexane, N - None, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, Z - other (specify)
City: Boston	TAT Requested (days):			
State, Zip: MA 02108	Quote #:			Regulatory programs: MCP [X] GW1/S1 [ ], RCP [ ] CT RSR [ ], DEP Form [ ] EDD Required [ ]
Phone: 1-617-447-0757	PO #:			
Email: Jason.Flattery.com	WO #:			
Project Name/number: Raytheon Wayland 0167058	SSOW#:			
Site: Wayland				

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Sampler's Initials	Field Filtered Sample?	Perform MS/MSD?	8260MCP	8260 SIM 1-4, Dioxane	522 1,4-Dioxane	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
MW1010M-20130320-01	3/20/13	11:30		W	CC			3				Preserved with ascorbic acid (7 day hold time)
MW1010D-20130320-01	3/20/13	12:45		W	CC			3				
MW1006-20130320-01	3/20/13	14:00		W	CC			3				
MW1030-20130320-01	3/20/13	15:00		W	CC			3				
MW1015D-20130320-01	3/20/13	12:10		W	SB			3				
MW1025M-20130320-01	3/20/13	14:40 ~~12:40~~		W	SB			3	2	1		522 to be run after SIM
MW1022-20130320-01	3/20/13	13:00		W	BM			3	2	1		522 to be run after SIM
MW1023-20130320-01	3/20/13	15:10		W	BM			3	2	1		522 to be run after SIM
DUP QC3-20130320-01	3/20/13	14:14		W	BM			3				
MW1033-20130320-01	3/20/13	12:25		W	SC			3	2	1		522 to be run after SIM

Possible Hazard Identification
[X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [ ] Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
[ ] Return To Client [ ] Disposal By Lab [ ] Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	3/20/13 15:50	ERM	[signature]	3/20/13 1550	TAL
[signature]	3/20/13 1632	TAL	[signature]	03/21/13 0100	TA

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 2.3 ICE #1

TAL-8245-360 1111

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

Boston Service Center
240 Bear Hill Rd. Suite 104
Waltham, MA 02451
Phone (781) 466-6900 Fax (781) 466-6901

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information
Client Contact: Jason Flattery
Company: ERM
Address: 1 Beacon St, 5th Floor
City: Boston
State, Zip: MA 02108
Phone: 1-617-447-0757
Email: Jason.Flattery-com
Project Name/number: Raytheon Wayland 0167058
Site: Wayland

Sampler: Stacey Bragg
Phone: 978-875-0426
Lab PM:
E-Mail:
Carrier Tracking No(s):

COC No: 22867
Page: 2/2
Job #:

Due Date Requested:
TAT Requested (days):
Quote #:
PO #:
WO #:
SSOW#:

Analysis Requested

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; H - Ascorbic Acid; I - Ice; J - DI Water; M - Hexane; N - None; P - Na2O4S; Q - Na2SO3; R - Na2S2SO3; S - H2SO4; Z - other (specify)

Regulatory programs:
MCP ☒ GW1/S1 ☐
RCP ☐ CT RSR ☐
DEP Form ☐ EDD Required ☐

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Sampler's Initials	Field Filtered Sample?	Perform MS/MSD?	8260 MCP	8260 JIM 1,4-Dioxane	522 1-4, Dioxane	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	X					
MW1034-20130320-01	3/20/13	11:15		W	SC			3	2	1		
DUP002-20130320-01	3/20/13	11:11		W	SC			3				
MW1028-20130320-01	3/20/13	14:00		W	SC			3				
MW1027-20130320-01	3/20/13	15:05		W	SC			3				
TB001-20130320-01	3/20/13	13:13		W				2				

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	3/20/13 1550	ERM	[signature]	3/20/13 1550	TAL
[signature]	3/20/13 1638	TAL	[signature]	03121/13 0100	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 2.3 ICE #1

TAL-8245-360 1111

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3/26/2013

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-34808-1
Client Project/Site: IDS Wayland

For:
ERM-Northeast
One Beacon Steet
5th Floor
Boston, Massachusetts 02108

Attn: Jason Flattery

Authorized for release by:
3/29/2013 5:17:54 PM
Steve Hartmann
Lab Director
steve.hartmann@testamericainc.com

Designee for

Becky Mason
Project Manager II
becky.mason@testamericainc.com

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
F	MS or MSD exceeds the control limits
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34808-1

Job ID: 480-34808-1

Laboratory: TestAmerica Buffalo

Narrative

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 03/22/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 0.8 C.

1,4-DIOXANE (SIM)

Sample MW1025D-20130321-01 (480-34808-7) was analyzed for 1,4-Dioxane (SIM) in accordance with EPA 522 MOD. The samples were prepared and analyzed on 03/27/2013.

No difficulties were encountered during the 1,4-Dioxane (SIM) analysis.

All quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS SIM)

Sample MW1025D-20130321-01 (480-34808-7) was analyzed for volatile organic compounds (GC-MS SIM) in accordance with EPA SW-846 Method 8260B SIM. The samples were analyzed on 03/25/2013.

No difficulties were encountered during the VOA SIM analysis.

All quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW1031-20130321-01 (480-34808-1), MW1009-20130321-01 (480-34808-2), MW1001M-20130321-01 (480-34808-3), MW1001B-20130321-01 (480-34808-4), MW1004-20130321-01 (480-34808-5), DUP004-20130321-01 (480-34808-6), MW1025D-20130321-01 (480-34808-7) and TB002-20130321-01 (480-34808-8) were analyzed for volatile organic compounds (GC-MS) in accordance with SW846 8260C. The samples were analyzed on 03/22/2013 and 03/25/2013.

The continuing calibration verification (CCV) for Bromoform associated with batch 108684, 2-Butanone, 2-Hexanone, 4-Methyl 2 Pentanone, Chloromethane and Tetrahydrofuran associated with batch 108960, and Isopropyl Ether associated with batch 108690 recovered above the MCP upper control limit. MCP protocol allows for 20% of the target compounds to be outside the 20% difference but not over 40% difference.

2-Butanone (MEK) failed the recovery criteria high for LCS/LCSD in batch 480-108684. Dichlorodifluoromethane failed the recovery criteria high for LCS 480-108686/4. Chloromethane failed the recovery criteria low for LCS 480-108960/4. Chloromethane failed the recovery criteria low for LCSD 480-108960/5. Refer to the QC report for details.

Dichlorodifluoromethane and Trichlorofluoromethane failed the recovery criteria high for the MS/MSD of sample MW1025D-20130321-01 (480-34808-7) in batch 480-108686. Refer to the QC report for details.

Sample MW1025D-20130321-01 (480-34808-7)[2X] required dilution prior to analysis to bring the concentration of target analytes within the calibration range. The reporting limits have been adjusted accordingly.

With the exception of diluted samples, per question G on the MassDEP Analytical Protocol Certification Form, TestAmerica's routine reporting limits do not achieve the CAM reporting limits specified in this CAM protocol for 1,2-dibromo-3-chloropropane, Carbon Disulfide, Isopropyl Ether, Naphthalene, tert-Butyl Ethyl Ether, tert-Amyl Methyl Ether, & Tetrahydrofuran.

Job ID: 480-34808-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

No other difficulties were encountered during the volatile organic compounds (GC-MS) analyses.

All other quality control parameters were within the acceptance limits.

MassDEP Analytical Protocol Certification Form

Laboratory Name: **TestAmerica Buffalo** Project #: **480-34808**

Project Location: **Wayland** RTN:

This form provides certifications for the following data set: list Laboratory Sample ID Number(s):

480-34808-[1-8]

Matrices: [X] Groundwater/Surface Water [ ] Soil/Sediment [ ] Drinking Water [ ] Air [ ] Other:

CAM Protocols (check all that apply below):

8260 VOC CAM II A [X]	7470/7471 Hg CAM III B [ ]	Mass DEP VPH CAM IV A [ ]	8081 Pesticides CAM V B [ ]	7196 Hex Cr CAM VI B [ ]	Mass DEP APH CAM IX A [ ]
8270 SVOC CAM II B [ ]	7010 Metals CAM III C [ ]	Mass DEP EPH CAM IV B [ ]	8151 Herbicides CAM V C [ ]	8330 Explosives CAM VIII A [ ]	TO-15 VOC CAM IX B [ ]
6010 Metals CAM III A [ ]	6020 Metals CAM III D [ ]	8082 PCB CAM V A [ ]	9014 Total Cyanide/PAC CAM VI A [ ]	6860 Perchlorate CAM VIII B [ ]	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding time.	[X] Yes [ ] No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	[X] Yes [ ] No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	[X] Yes [ ] No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	[X] Yes [ ] No
E	a. VPH, EPH and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	[ ] Yes [ ] No [ ] Yes [ ] No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	[X] Yes [ ] No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	[ ] Yes [X] No[1]

***Data User Note:* Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WCS-07-350**

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	[ ] Yes [X] No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s) ?	[X] Yes [ ] No[1]

[1] All negative responses must be addressed in an attached laboratory narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, is accurate and complete.

Signature:  Position: Service Center Manager/Lab Director-TestAmerica Westfield

Printed Name: Steven C. Hartmann Date: 3/29/13 17:15

This form has been electronically signed and approved

Detection Summary

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34808-1

Client Sample ID: MW1031-20130321-01 — Lab Sample ID: 480-34808-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	1.1		1.0		ug/L	1		8260C	Total/NA
Trichloroethene	2.3		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: MW1009-20130321-01 — Lab Sample ID: 480-34808-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	2.0		1.0		ug/L	1		8260C	Total/NA
1,4-Dichlorobenzene	1.0		1.0		ug/L	1		8260C	Total/NA
Benzene	1.5		1.0		ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	2.2		1.0		ug/L	1		8260C	Total/NA
Trichloroethene	1.9		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: MW1001M-20130321-01 — Lab Sample ID: 480-34808-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	11		1.0		ug/L	1		8260C	Total/NA
Trichloroethene	8.2		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: MW1001B-20130321-01 — Lab Sample ID: 480-34808-4

No Detections.

Client Sample ID: MW1004-20130321-01 — Lab Sample ID: 480-34808-5

No Detections.

Client Sample ID: DUP004-20130321-01 — Lab Sample ID: 480-34808-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.9		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: MW1025D-20130321-01 — Lab Sample ID: 480-34808-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	17		1.0		ug/L	1		8260C	Total/NA
Trichloroethene - DL	110		2.0		ug/L	2		8260C	Total/NA
1,4-Dioxane	0.31		0.20		ug/L	1		522 MOD	Total/NA

Client Sample ID: TB002-20130321-01 — Lab Sample ID: 480-34808-8

No Detections.

This Detection Summary does not include radiochemical test results.

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34808-1

Client Sample ID: 7 1 6036-M06303M6-06
Date C9llertex: 03dM6o63 0c:00
Date Rereidex: 03dMM63 6M30

Lab Sample ID: 480-34808-6
7 atW2: 1 ateW

7 et/ 9x: 8Mv0C - h9latile VW0anir C9mp9unxs g(Co7 SG

) nalAte	Result	UualiQeW	RL	7 DL	Pnit	D	zWpaWex	) nalAFex	Dil yar
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			03/22/13 16:53	1
1,1,1-Trichloroethane	ND		1.0		ug/L			03/22/13 16:53	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			03/22/13 16:53	1
1,1,2-Trichloroethane	ND		1.0		ug/L			03/22/13 16:53	1
1,1-Dichloroethane	ND		1.0		ug/L			03/22/13 16:53	1
1,1-Dichloroethene	ND		1.0		ug/L			03/22/13 16:53	1
1,1-Dichloropropene	ND		1.0		ug/L			03/22/13 16:53	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			03/22/13 16:53	1
1,2,3-Trichloropropane	ND		1.0		ug/L			03/22/13 16:53	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/22/13 16:53	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			03/22/13 16:53	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			03/22/13 16:53	1
1,2-Dichlorobenzene	ND		1.0		ug/L			03/22/13 16:53	1
1,2-Dichloroethane	ND		1.0		ug/L			03/22/13 16:53	1
1,2-Dichloropropane	ND		1.0		ug/L			03/22/13 16:53	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			03/22/13 16:53	1
1,3-Dichlorobenzene	ND		1.0		ug/L			03/22/13 16:53	1
1,3-Dichloropropane	ND		1.0		ug/L			03/22/13 16:53	1
1,4-Dichlorobenzene	ND		1.0		ug/L			03/22/13 16:53	1
1,4-Dioxane	ND		50		ug/L			03/22/13 16:53	1
2,2-Dichloropropane	ND		1.0		ug/L			03/22/13 16:53	1
2-Butanone (MEK)	ND	*	10		ug/L			03/22/13 16:53	1
2-Chlorotoluene	ND		1.0		ug/L			03/22/13 16:53	1
2-Hexanone	ND		10		ug/L			03/22/13 16:53	1
4-Chlorotoluene	ND		1.0		ug/L			03/22/13 16:53	1
4-Isopropyltoluene	ND		1.0		ug/L			03/22/13 16:53	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			03/22/13 16:53	1
Acetone	ND		50		ug/L			03/22/13 16:53	1
Benzene	ND		1.0		ug/L			03/22/13 16:53	1
Bromobenzene	ND		1.0		ug/L			03/22/13 16:53	1
Bromoform	ND		1.0		ug/L			03/22/13 16:53	1
Bromomethane	ND		2.0		ug/L			03/22/13 16:53	1
Carbon disulfide	ND		10		ug/L			03/22/13 16:53	1
Carbon tetrachloride	ND		1.0		ug/L			03/22/13 16:53	1
Chlorobenzene	ND		1.0		ug/L			03/22/13 16:53	1
Chlorobromomethane	ND		1.0		ug/L			03/22/13 16:53	1
Chlorodibromomethane	ND		0.50		ug/L			03/22/13 16:53	1
Chloroethane	ND		2.0		ug/L			03/22/13 16:53	1
Chloroform	ND		1.0		ug/L			03/22/13 16:53	1
Chloromethane	ND		2.0		ug/L			03/22/13 16:53	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			03/22/13 16:53	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			03/22/13 16:53	1
Dichlorobromomethane	ND		0.50		ug/L			03/22/13 16:53	1
Dichlorodifluoromethane	ND		1.0		ug/L			03/22/13 16:53	1
Ethyl ether	ND		1.0		ug/L			03/22/13 16:53	1
Ethylbenzene	ND		1.0		ug/L			03/22/13 16:53	1
Ethylene Dibromide	ND		1.0		ug/L			03/22/13 16:53	1
Hexachlorobutadiene	ND		0.40		ug/L			03/22/13 16:53	1
Isopropyl ether	ND		10		ug/L			03/22/13 16:53	1

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34808-1

Client Sample ID: 7 1 6036-M06303M6-06
Lab Sample ID: 480-34808-6

Date C9llertex: 03dM6o63 0c:00
7 atW2: 1 ateW

Date Rereidex: 03dMM63 6M30

7 et/ 9x: 8Mv0C - h9latile VW0anir C9mp9unxs g(Co7 SGgC9ntinuexG

) nalAte	Result	UualiQeW	RL	7 DL	Pnit	D	zWepaWex	) nalAFex	Dil yar
Isopropylbenzene	ND		1.0		ug/L			03/22/13 16:53	1
7 et/ Al teW-butAl et/ eW	**6f6**		1.0		ug/L			03/22/13 16:53	1
Methylene Chloride	ND		1.0		ug/L			03/22/13 16:53	1
m-Xylene & p-Xylene	ND		2.0		ug/L			03/22/13 16:53	1
Naphthalene	ND		5.0		ug/L			03/22/13 16:53	1
n-Butylbenzene	ND		1.0		ug/L			03/22/13 16:53	1
N-Propylbenzene	ND		1.0		ug/L			03/22/13 16:53	1
o-Xylene	ND		1.0		ug/L			03/22/13 16:53	1
sec-Butylbenzene	ND		1.0		ug/L			03/22/13 16:53	1
Styrene	ND		1.0		ug/L			03/22/13 16:53	1
Tert-amyl methyl ether	ND		5.0		ug/L			03/22/13 16:53	1
Tert-butyl ethyl ether	ND		5.0		ug/L			03/22/13 16:53	1
tert-Butylbenzene	ND		1.0		ug/L			03/22/13 16:53	1
Tetrachloroethene	ND		1.0		ug/L			03/22/13 16:53	1
Tetrahydrofuran	ND		10		ug/L			03/22/13 16:53	1
Toluene	ND		1.0		ug/L			03/22/13 16:53	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			03/22/13 16:53	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			03/22/13 16:53	1
, Wr / l9W9et/ ene	**Mf3**		1.0		ug/L			03/22/13 16:53	1
Trichlorofluoromethane	ND		1.0		ug/L			03/22/13 16:53	1
Vinyl chloride	ND		0.50		ug/L			03/22/13 16:53	1
Dibromomethane	ND		1.0		ug/L			03/22/13 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*01 - 3/ 1*		*1/ 2623/ 3: 47/*	*3*
3,6-Dichloroethane-dB (Surr)	*96*		*01 - 3/ 1*		*1/ 2623/ 3: 47/*	*3*
B-mrof oluorozen5ene (Surr)	*99*		*01 - 3/ 1*		*1/ 2623/ 3: 47/*	*3*

Client Sample ID: 7 1 600c-M06303M6-06
Lab Sample ID: 480-34808-M

Date C9llertex: 03dM6o63 60:MT
7 atW2: 1 ateW

Date Rereidex: 03dMM63 6M30

7 et/ 9x: 8Mv0C - h9latile VW0anir C9mp9unxs g(Co7 SG

) nalAte	Result	UualiQeW	RL	7 DL	Pnit	D	zWepaWex	) nalAFex	Dil yar
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			03/22/13 17:16	1
1,1,1-Trichloroethane	ND		1.0		ug/L			03/22/13 17:16	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			03/22/13 17:16	1
1,1,2-Trichloroethane	ND		1.0		ug/L			03/22/13 17:16	1
1,1-Dichloroethane	ND		1.0		ug/L			03/22/13 17:16	1
1,1-Dichloroethene	ND		1.0		ug/L			03/22/13 17:16	1
1,1-Dichloropropene	ND		1.0		ug/L			03/22/13 17:16	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			03/22/13 17:16	1
1,2,3-Trichloropropane	ND		1.0		ug/L			03/22/13 17:16	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/22/13 17:16	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			03/22/13 17:16	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			03/22/13 17:16	1
6.M-Dir / l9W9benFene	**Mf0**		1.0		ug/L			03/22/13 17:16	1
1,2-Dichloroethane	ND		1.0		ug/L			03/22/13 17:16	1
1,2-Dichloropropane	ND		1.0		ug/L			03/22/13 17:16	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			03/22/13 17:16	1

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34808-1

Client Sample ID: 7 1 600c-M06303M6-06
Date C9llertex: 03dM6o63 60:MT
Date Rereidex: 03dMM63 6M30

Lab Sample ID: 480-34808-M
7 atW2: 1 ateW

7 et/ 9x: 8Mv0C - h9latile VW0anir C9mp9unxs g(Co7 SGgC9ntinuexG

) nalAte	Result	UualiQeW	RL	7 DL	Pnit	D	zWpaWex	) nalAFex	Dil yar
1,3-Dichlorobenzene	ND		1.0		ug/L			03/22/13 17:16	1
1,3-Dichloropropane	ND		1.0		ug/L			03/22/13 17:16	1
6.4-Dir/ l9W9benFene	**6f0**		1.0		ug/L			03/22/13 17:16	1
1,4-Dioxane	ND		50		ug/L			03/22/13 17:16	1
2,2-Dichloropropane	ND		1.0		ug/L			03/22/13 17:16	1
2-Butanone (MEK)	ND	*	10		ug/L			03/22/13 17:16	1
2-Chlorotoluene	ND		1.0		ug/L			03/22/13 17:16	1
2-Hexanone	ND		10		ug/L			03/22/13 17:16	1
4-Chlorotoluene	ND		1.0		ug/L			03/22/13 17:16	1
4-Isopropyltoluene	ND		1.0		ug/L			03/22/13 17:16	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			03/22/13 17:16	1
Acetone	ND		50		ug/L			03/22/13 17:16	1
5enFene	**6fT**		1.0		ug/L			03/22/13 17:16	1
Bromobenzene	ND		1.0		ug/L			03/22/13 17:16	1
Bromoform	ND		1.0		ug/L			03/22/13 17:16	1
Bromomethane	ND		2.0		ug/L			03/22/13 17:16	1
Carbon disulfide	ND		10		ug/L			03/22/13 17:16	1
Carbon tetrachloride	ND		1.0		ug/L			03/22/13 17:16	1
Chlorobenzene	ND		1.0		ug/L			03/22/13 17:16	1
Chlorobromomethane	ND		1.0		ug/L			03/22/13 17:16	1
Chlorodibromomethane	ND		0.50		ug/L			03/22/13 17:16	1
Chloroethane	ND		2.0		ug/L			03/22/13 17:16	1
Chloroform	ND		1.0		ug/L			03/22/13 17:16	1
Chloromethane	ND		2.0		ug/L			03/22/13 17:16	1
ris-6.M-Dir/ l9W9et/ ene	**MfM**		1.0		ug/L			03/22/13 17:16	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			03/22/13 17:16	1
Dichlorobromomethane	ND		0.50		ug/L			03/22/13 17:16	1
Dichlorodifluoromethane	ND		1.0		ug/L			03/22/13 17:16	1
Ethyl ether	ND		1.0		ug/L			03/22/13 17:16	1
Ethylbenzene	ND		1.0		ug/L			03/22/13 17:16	1
Ethylene Dibromide	ND		1.0		ug/L			03/22/13 17:16	1
Hexachlorobutadiene	ND		0.40		ug/L			03/22/13 17:16	1
Isopropyl ether	ND		10		ug/L			03/22/13 17:16	1
Isopropylbenzene	ND		1.0		ug/L			03/22/13 17:16	1
Methyl tert-butyl ether	ND		1.0		ug/L			03/22/13 17:16	1
Methylene Chloride	ND		1.0		ug/L			03/22/13 17:16	1
m-Xylene & p-Xylene	ND		2.0		ug/L			03/22/13 17:16	1
Naphthalene	ND		5.0		ug/L			03/22/13 17:16	1
n-Butylbenzene	ND		1.0		ug/L			03/22/13 17:16	1
N-Propylbenzene	ND		1.0		ug/L			03/22/13 17:16	1
o-Xylene	ND		1.0		ug/L			03/22/13 17:16	1
sec-Butylbenzene	ND		1.0		ug/L			03/22/13 17:16	1
Styrene	ND		1.0		ug/L			03/22/13 17:16	1
Tert-amyl methyl ether	ND		5.0		ug/L			03/22/13 17:16	1
Tert-butyl ethyl ether	ND		5.0		ug/L			03/22/13 17:16	1
tert-Butylbenzene	ND		1.0		ug/L			03/22/13 17:16	1
Tetrachloroethene	ND		1.0		ug/L			03/22/13 17:16	1
Tetrahydrofuran	ND		10		ug/L			03/22/13 17:16	1
Toluene	ND		1.0		ug/L			03/22/13 17:16	1

Client Sample ID: 7 1 600c-MD6303M6-06 **Lab Sample ID: 480-34808-M**

Date C9llertex: 03dM6o63 60:MT **7 atW2: 1 ateW**

Date Rereidex: 03dMM63 6M30

7 et/ 9x: 8Mv0C - h9latile VW0anir C9mp9unxs g(Co7 SGgC9ntinuexG

) nalAte	Result	UualiQeW	RL	7 DL	Pnit	D	zWepaWex	) nalAFex	Dil yar
trans-1,2-Dichloroethene	ND		1.0		ug/L			03/22/13 17:16	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			03/22/13 17:16	1
, Wr / l9W9et/ ene	6fc		1.0		ug/L			03/22/13 17:16	1
Trichlorofluoromethane	ND		1.0		ug/L			03/22/13 17:16	1
Vinyl chloride	ND		0.50		ug/L			03/22/13 17:16	1
Dibromomethane	ND		1.0		ug/L			03/22/13 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*9:*		*01 - 3/ 1*		*1/ 2662 3/ 3043:*	*3*
3,6-Dichloroethane-dB (Surr)	*97*		*01 - 3/ 1*		*1/ 2662 3/ 3043:*	*3*
B-mrof oluorozen5ene (Surr)	*311*		*01 - 3/ 1*		*1/ 2662 3/ 3043:*	*3*

Client Sample ID: 7 1 60067 -MD6303M6-06 **Lab Sample ID: 480-34808-3**

Date C9llertex: 03dM6o63 66:30 **7 atW2: 1 ateW**

Date Rereidex: 03dMM63 6M30

7 et/ 9x: 8Mv0C - h9latile VW0anir C9mp9unxs g(Co7 SG

) nalAte	Result	UualiQeW	RL	7 DL	Pnit	D	zWepaWex	) nalAFex	Dil yar
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			03/22/13 17:40	1
1,1,1-Trichloroethane	ND		1.0		ug/L			03/22/13 17:40	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			03/22/13 17:40	1
1,1,2-Trichloroethane	ND		1.0		ug/L			03/22/13 17:40	1
1,1-Dichloroethane	ND		1.0		ug/L			03/22/13 17:40	1
1,1-Dichloroethene	ND		1.0		ug/L			03/22/13 17:40	1
1,1-Dichloropropene	ND		1.0		ug/L			03/22/13 17:40	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			03/22/13 17:40	1
1,2,3-Trichloropropane	ND		1.0		ug/L			03/22/13 17:40	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/22/13 17:40	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			03/22/13 17:40	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			03/22/13 17:40	1
1,2-Dichlorobenzene	ND		1.0		ug/L			03/22/13 17:40	1
1,2-Dichloroethane	ND		1.0		ug/L			03/22/13 17:40	1
1,2-Dichloropropane	ND		1.0		ug/L			03/22/13 17:40	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			03/22/13 17:40	1
1,3-Dichlorobenzene	ND		1.0		ug/L			03/22/13 17:40	1
1,3-Dichloropropane	ND		1.0		ug/L			03/22/13 17:40	1
1,4-Dichlorobenzene	ND		1.0		ug/L			03/22/13 17:40	1
1,4-Dioxane	ND		50		ug/L			03/22/13 17:40	1
2,2-Dichloropropane	ND		1.0		ug/L			03/22/13 17:40	1
2-Butanone (MEK)	ND	*	10		ug/L			03/22/13 17:40	1
2-Chlorotoluene	ND		1.0		ug/L			03/22/13 17:40	1
2-Hexanone	ND		10		ug/L			03/22/13 17:40	1
4-Chlorotoluene	ND		1.0		ug/L			03/22/13 17:40	1
4-Isopropyltoluene	ND		1.0		ug/L			03/22/13 17:40	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			03/22/13 17:40	1
Acetone	ND		50		ug/L			03/22/13 17:40	1
Benzene	ND		1.0		ug/L			03/22/13 17:40	1
Bromobenzene	ND		1.0		ug/L			03/22/13 17:40	1
Bromoform	ND		1.0		ug/L			03/22/13 17:40	1
Bromomethane	ND		2.0		ug/L			03/22/13 17:40	1

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34808-1

Client Sample ID: 7 1 60067 -MD6303M6-06
Date C9llertex: 03dM6o63 66:30
Date Rereidex: 03dMM63 6M30

Lab Sample ID: 480-34808-3
7 atW2: 1 ateW

7 et/ 9x: 8Mv0C - h9latile VW0anir C9mp9unxs g(Co7 SGgC9ntinuexG

) nalAte	Result	UualiQeW	RL	7 DL	Pnit	D	zWpaWex	) nalAFex	Dil yar
Carbon disulfide	ND		10		ug/L			03/22/13 17:40	1
Carbon tetrachloride	ND		1.0		ug/L			03/22/13 17:40	1
Chlorobenzene	ND		1.0		ug/L			03/22/13 17:40	1
Chlorobromomethane	ND		1.0		ug/L			03/22/13 17:40	1
Chlorodibromomethane	ND		0.50		ug/L			03/22/13 17:40	1
Chloroethane	ND		2.0		ug/L			03/22/13 17:40	1
Chloroform	ND		1.0		ug/L			03/22/13 17:40	1
Chloromethane	ND		2.0		ug/L			03/22/13 17:40	1
ris-6.M-Dir/ l9W9et/ ene	**66**		1.0		ug/L			03/22/13 17:40	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			03/22/13 17:40	1
Dichlorobromomethane	ND		0.50		ug/L			03/22/13 17:40	1
Dichlorodifluoromethane	ND		1.0		ug/L			03/22/13 17:40	1
Ethyl ether	ND		1.0		ug/L			03/22/13 17:40	1
Ethylbenzene	ND		1.0		ug/L			03/22/13 17:40	1
Ethylene Dibromide	ND		1.0		ug/L			03/22/13 17:40	1
Hexachlorobutadiene	ND		0.40		ug/L			03/22/13 17:40	1
Isopropyl ether	ND		10		ug/L			03/22/13 17:40	1
Isopropylbenzene	ND		1.0		ug/L			03/22/13 17:40	1
Methyl tert-butyl ether	ND		1.0		ug/L			03/22/13 17:40	1
Methylene Chloride	ND		1.0		ug/L			03/22/13 17:40	1
m-Xylene & p-Xylene	ND		2.0		ug/L			03/22/13 17:40	1
Naphthalene	ND		5.0		ug/L			03/22/13 17:40	1
n-Butylbenzene	ND		1.0		ug/L			03/22/13 17:40	1
N-Propylbenzene	ND		1.0		ug/L			03/22/13 17:40	1
o-Xylene	ND		1.0		ug/L			03/22/13 17:40	1
sec-Butylbenzene	ND		1.0		ug/L			03/22/13 17:40	1
Styrene	ND		1.0		ug/L			03/22/13 17:40	1
Tert-amyl methyl ether	ND		5.0		ug/L			03/22/13 17:40	1
Tert-butyl ethyl ether	ND		5.0		ug/L			03/22/13 17:40	1
tert-Butylbenzene	ND		1.0		ug/L			03/22/13 17:40	1
Tetrachloroethene	ND		1.0		ug/L			03/22/13 17:40	1
Tetrahydrofuran	ND		10		ug/L			03/22/13 17:40	1
Toluene	ND		1.0		ug/L			03/22/13 17:40	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			03/22/13 17:40	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			03/22/13 17:40	1
, Wr/ l9W9et/ ene	**8fM**		1.0		ug/L			03/22/13 17:40	1
Trichlorofluoromethane	ND		1.0		ug/L			03/22/13 17:40	1
Vinyl chloride	ND		0.50		ug/L			03/22/13 17:40	1
Dibromomethane	ND		1.0		ug/L			03/22/13 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*01 - 3/ 1*		*1/ 2663/ 304B1*	*3*
3,6-Dichloroethane-dB (Surr)	*97*		*01 - 3/ 1*		*1/ 2663/ 304B1*	*3*
B-mrof oluorozen5ene (Surr)	*311*		*01 - 3/ 1*		*1/ 2663/ 304B1*	*3*

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34808-1

Client Sample ID: 7 1 60065 -M06303M6-06
Date C9llertex: 03dM6o63 63:60
Date Rereidex: 03dMM663 6M30

Lab Sample ID: 480-34808-4
7 atW2: 1 ateW

7 et/ 9x: 8Mv0C - h9latile VW0anir C9mp9unxs g(Co7 SG

) nalAte	Result	UualiQeW	RL	7 DL	Pnit	D	zWepaWex	) nalAFex	Dil yar
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			03/22/13 18:04	1
1,1,1-Trichloroethane	ND		1.0		ug/L			03/22/13 18:04	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			03/22/13 18:04	1
1,1,2-Trichloroethane	ND		1.0		ug/L			03/22/13 18:04	1
1,1-Dichloroethane	ND		1.0		ug/L			03/22/13 18:04	1
1,1-Dichloroethene	ND		1.0		ug/L			03/22/13 18:04	1
1,1-Dichloropropene	ND		1.0		ug/L			03/22/13 18:04	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			03/22/13 18:04	1
1,2,3-Trichloropropane	ND		1.0		ug/L			03/22/13 18:04	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/22/13 18:04	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			03/22/13 18:04	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			03/22/13 18:04	1
1,2-Dichlorobenzene	ND		1.0		ug/L			03/22/13 18:04	1
1,2-Dichloroethane	ND		1.0		ug/L			03/22/13 18:04	1
1,2-Dichloropropane	ND		1.0		ug/L			03/22/13 18:04	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			03/22/13 18:04	1
1,3-Dichlorobenzene	ND		1.0		ug/L			03/22/13 18:04	1
1,3-Dichloropropane	ND		1.0		ug/L			03/22/13 18:04	1
1,4-Dichlorobenzene	ND		1.0		ug/L			03/22/13 18:04	1
1,4-Dioxane	ND		50		ug/L			03/22/13 18:04	1
2,2-Dichloropropane	ND		1.0		ug/L			03/22/13 18:04	1
2-Butanone (MEK)	ND	*	10		ug/L			03/22/13 18:04	1
2-Chlorotoluene	ND		1.0		ug/L			03/22/13 18:04	1
2-Hexanone	ND		10		ug/L			03/22/13 18:04	1
4-Chlorotoluene	ND		1.0		ug/L			03/22/13 18:04	1
4-Isopropyltoluene	ND		1.0		ug/L			03/22/13 18:04	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			03/22/13 18:04	1
Acetone	ND		50		ug/L			03/22/13 18:04	1
Benzene	ND		1.0		ug/L			03/22/13 18:04	1
Bromobenzene	ND		1.0		ug/L			03/22/13 18:04	1
Bromoform	ND		1.0		ug/L			03/22/13 18:04	1
Bromomethane	ND		2.0		ug/L			03/22/13 18:04	1
Carbon disulfide	ND		10		ug/L			03/22/13 18:04	1
Carbon tetrachloride	ND		1.0		ug/L			03/22/13 18:04	1
Chlorobenzene	ND		1.0		ug/L			03/22/13 18:04	1
Chlorobromomethane	ND		1.0		ug/L			03/22/13 18:04	1
Chlorodibromomethane	ND		0.50		ug/L			03/22/13 18:04	1
Chloroethane	ND		2.0		ug/L			03/22/13 18:04	1
Chloroform	ND		1.0		ug/L			03/22/13 18:04	1
Chloromethane	ND		2.0		ug/L			03/22/13 18:04	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			03/22/13 18:04	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			03/22/13 18:04	1
Dichlorobromomethane	ND		0.50		ug/L			03/22/13 18:04	1
Dichlorodifluoromethane	ND		1.0		ug/L			03/22/13 18:04	1
Ethyl ether	ND		1.0		ug/L			03/22/13 18:04	1
Ethylbenzene	ND		1.0		ug/L			03/22/13 18:04	1
Ethylene Dibromide	ND		1.0		ug/L			03/22/13 18:04	1
Hexachlorobutadiene	ND		0.40		ug/L			03/22/13 18:04	1
Isopropyl ether	ND		10		ug/L			03/22/13 18:04	1

Client Sample ID: 7 1 60065 -M06303M6-06
Lab Sample ID: 480-34808-4
Date C9llertex: 03dM6o63 63:60
7 atW2: 1 ateW
Date Rereidex: 03dMM63 6M30

7 et/ 9x: 8Mv0C - h9latile VW0anir C9mp9unxs g(Co7 SGgC9ntinuexG

) nalAte	Result	UualiQeW	RL	7 DL	Pnit	D	zWepaWex	) nalAFex	Dil yar
Isopropylbenzene	ND		1.0		ug/L			03/22/13 18:04	1
Methyl tert-butyl ether	ND		1.0		ug/L			03/22/13 18:04	1
Methylene Chloride	ND		1.0		ug/L			03/22/13 18:04	1
m-Xylene & p-Xylene	ND		2.0		ug/L			03/22/13 18:04	1
Naphthalene	ND		5.0		ug/L			03/22/13 18:04	1
n-Butylbenzene	ND		1.0		ug/L			03/22/13 18:04	1
N-Propylbenzene	ND		1.0		ug/L			03/22/13 18:04	1
o-Xylene	ND		1.0		ug/L			03/22/13 18:04	1
sec-Butylbenzene	ND		1.0		ug/L			03/22/13 18:04	1
Styrene	ND		1.0		ug/L			03/22/13 18:04	1
Tert-amyl methyl ether	ND		5.0		ug/L			03/22/13 18:04	1
Tert-butyl ethyl ether	ND		5.0		ug/L			03/22/13 18:04	1
tert-Butylbenzene	ND		1.0		ug/L			03/22/13 18:04	1
Tetrachloroethene	ND		1.0		ug/L			03/22/13 18:04	1
Tetrahydrofuran	ND		10		ug/L			03/22/13 18:04	1
Toluene	ND		1.0		ug/L			03/22/13 18:04	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			03/22/13 18:04	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			03/22/13 18:04	1
Trichloroethene	ND		1.0		ug/L			03/22/13 18:04	1
Trichlorofluoromethane	ND		1.0		ug/L			03/22/13 18:04	1
Vinyl chloride	ND		0.50		ug/L			03/22/13 18:04	1
Dibromomethane	ND		1.0		ug/L			03/22/13 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*9B*		*01 - 3/ 1*		*1/ 2663/ 3841B*	*3*
3,6-Dichloroethane-dB (Surr)	*9B*		*01 - 3/ 1*		*1/ 2663/ 3841B*	*3*
B-mrof oluorozen5ene (Surr)	*311*		*01 - 3/ 1*		*1/ 2663/ 3841B*	*3*

Client Sample ID: 7 1 6004-M06303M6-06
Lab Sample ID: 480-34808-T
Date C9llertex: 03dM6o63 63:M0
7 atW2: 1 ateW
Date Rereidex: 03dMM63 6M30

7 et/ 9x: 8Mv0C - h9latile VW0anir C9mp9unxs g(Co7 SG

) nalAte	Result	UualiQeW	RL	7 DL	Pnit	D	zWepaWex	) nalAFex	Dil yar
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			03/22/13 18:28	1
1,1,1-Trichloroethane	ND		1.0		ug/L			03/22/13 18:28	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			03/22/13 18:28	1
1,1,2-Trichloroethane	ND		1.0		ug/L			03/22/13 18:28	1
1,1-Dichloroethane	ND		1.0		ug/L			03/22/13 18:28	1
1,1-Dichloroethene	ND		1.0		ug/L			03/22/13 18:28	1
1,1-Dichloropropene	ND		1.0		ug/L			03/22/13 18:28	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			03/22/13 18:28	1
1,2,3-Trichloropropane	ND		1.0		ug/L			03/22/13 18:28	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/22/13 18:28	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			03/22/13 18:28	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			03/22/13 18:28	1
1,2-Dichlorobenzene	ND		1.0		ug/L			03/22/13 18:28	1
1,2-Dichloroethane	ND		1.0		ug/L			03/22/13 18:28	1
1,2-Dichloropropane	ND		1.0		ug/L			03/22/13 18:28	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			03/22/13 18:28	1

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34808-1

Client Sample ID: 7 1 6004-M06303M6-06
Date C9llertex: 03dM6o63 63:M0
Date Rereidex: 03dMM663 6M30

Lab Sample ID: 480-34808-T
7 atW2: 1 ateW

7 et/ 9x: 8Mv0C - h9latile VW0anir C9mp9unxs g(Co7 SGgC9ntinuexG

) nalAte	Result	UualiQeW	RL	7 DL	Pnit	D	zWepaWex	) nalAFex	Dil yar
1,3-Dichlorobenzene	ND		1.0		ug/L			03/22/13 18:28	1
1,3-Dichloropropane	ND		1.0		ug/L			03/22/13 18:28	1
1,4-Dichlorobenzene	ND		1.0		ug/L			03/22/13 18:28	1
1,4-Dioxane	ND		50		ug/L			03/22/13 18:28	1
2,2-Dichloropropane	ND		1.0		ug/L			03/22/13 18:28	1
2-Butanone (MEK)	ND	*	10		ug/L			03/22/13 18:28	1
2-Chlorotoluene	ND		1.0		ug/L			03/22/13 18:28	1
2-Hexanone	ND		10		ug/L			03/22/13 18:28	1
4-Chlorotoluene	ND		1.0		ug/L			03/22/13 18:28	1
4-Isopropyltoluene	ND		1.0		ug/L			03/22/13 18:28	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			03/22/13 18:28	1
Acetone	ND		50		ug/L			03/22/13 18:28	1
Benzene	ND		1.0		ug/L			03/22/13 18:28	1
Bromobenzene	ND		1.0		ug/L			03/22/13 18:28	1
Bromoform	ND		1.0		ug/L			03/22/13 18:28	1
Bromomethane	ND		2.0		ug/L			03/22/13 18:28	1
Carbon disulfide	ND		10		ug/L			03/22/13 18:28	1
Carbon tetrachloride	ND		1.0		ug/L			03/22/13 18:28	1
Chlorobenzene	ND		1.0		ug/L			03/22/13 18:28	1
Chlorobromomethane	ND		1.0		ug/L			03/22/13 18:28	1
Chlorodibromomethane	ND		0.50		ug/L			03/22/13 18:28	1
Chloroethane	ND		2.0		ug/L			03/22/13 18:28	1
Chloroform	ND		1.0		ug/L			03/22/13 18:28	1
Chloromethane	ND		2.0		ug/L			03/22/13 18:28	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			03/22/13 18:28	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			03/22/13 18:28	1
Dichlorobromomethane	ND		0.50		ug/L			03/22/13 18:28	1
Dichlorodifluoromethane	ND		1.0		ug/L			03/22/13 18:28	1
Ethyl ether	ND		1.0		ug/L			03/22/13 18:28	1
Ethylbenzene	ND		1.0		ug/L			03/22/13 18:28	1
Ethylene Dibromide	ND		1.0		ug/L			03/22/13 18:28	1
Hexachlorobutadiene	ND		0.40		ug/L			03/22/13 18:28	1
Isopropyl ether	ND		10		ug/L			03/22/13 18:28	1
Isopropylbenzene	ND		1.0		ug/L			03/22/13 18:28	1
Methyl tert-butyl ether	ND		1.0		ug/L			03/22/13 18:28	1
Methylene Chloride	ND		1.0		ug/L			03/22/13 18:28	1
m-Xylene & p-Xylene	ND		2.0		ug/L			03/22/13 18:28	1
Naphthalene	ND		5.0		ug/L			03/22/13 18:28	1
n-Butylbenzene	ND		1.0		ug/L			03/22/13 18:28	1
N-Propylbenzene	ND		1.0		ug/L			03/22/13 18:28	1
o-Xylene	ND		1.0		ug/L			03/22/13 18:28	1
sec-Butylbenzene	ND		1.0		ug/L			03/22/13 18:28	1
Styrene	ND		1.0		ug/L			03/22/13 18:28	1
Tert-amyl methyl ether	ND		5.0		ug/L			03/22/13 18:28	1
Tert-butyl ethyl ether	ND		5.0		ug/L			03/22/13 18:28	1
tert-Butylbenzene	ND		1.0		ug/L			03/22/13 18:28	1
Tetrachloroethene	ND		1.0		ug/L			03/22/13 18:28	1
Tetrahydrofuran	ND		10		ug/L			03/22/13 18:28	1
Toluene	ND		1.0		ug/L			03/22/13 18:28	1

Client Sample ID: 7 1 6004-M06303M6-06 **Lab Sample ID: 480-34808-T**

Date C9llertex: 03dM6o63 63:M0 **7 atW2: 1 ateW**

Date Rereidex: 03dMM63 6M30

7 et/ 9x: 8Mv0C - h9latile VW0anir C9mp9unxs g(Co7 SGgC9ntinuexG

) nalAte	Result	UualiQeW	RL	7 DL	Pnit	D	zWepaWex	) nalAFex	Dil yar
trans-1,2-Dichloroethene	ND		1.0		ug/L			03/22/13 18:28	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			03/22/13 18:28	1
Trichloroethene	ND		1.0		ug/L			03/22/13 18:28	1
Trichlorofluoromethane	ND		1.0		ug/L			03/22/13 18:28	1
Vinyl chloride	ND		0.50		ug/L			03/22/13 18:28	1
Dibromomethane	ND		1.0		ug/L			03/22/13 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*01 - 3/ 1*		*1/ 2663/ 38468*	*3*
3,6-Dichloroethane-dB (Surr)	*9B*		*01 - 3/ 1*		*1/ 2663/ 38468*	*3*
B-mrof oluorozen5ene (Surr)	*313*		*01 - 3/ 1*		*1/ 2663/ 38468*	*3*

Client Sample ID: DPz004-M06303M6-06 **Lab Sample ID: 480-34808-v**

Date C9llertex: 03dM6o63 66:66 **7 atW2: 1 ateW**

Date Rereidex: 03dMM63 6M30

7 et/ 9x: 8Mv0C - h9latile VW0anir C9mp9unxs g(Co7 SG

) nalAte	Result	UualiQeW	RL	7 DL	Pnit	D	zWepaWex	) nalAFex	Dil yar
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			03/22/13 18:52	1
1,1,1-Trichloroethane	ND		1.0		ug/L			03/22/13 18:52	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			03/22/13 18:52	1
1,1,2-Trichloroethane	ND		1.0		ug/L			03/22/13 18:52	1
1,1-Dichloroethane	ND		1.0		ug/L			03/22/13 18:52	1
1,1-Dichloroethene	ND		1.0		ug/L			03/22/13 18:52	1
1,1-Dichloropropene	ND		1.0		ug/L			03/22/13 18:52	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			03/22/13 18:52	1
1,2,3-Trichloropropane	ND		1.0		ug/L			03/22/13 18:52	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/22/13 18:52	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			03/22/13 18:52	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			03/22/13 18:52	1
1,2-Dichlorobenzene	ND		1.0		ug/L			03/22/13 18:52	1
1,2-Dichloroethane	ND		1.0		ug/L			03/22/13 18:52	1
1,2-Dichloropropane	ND		1.0		ug/L			03/22/13 18:52	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			03/22/13 18:52	1
1,3-Dichlorobenzene	ND		1.0		ug/L			03/22/13 18:52	1
1,3-Dichloropropane	ND		1.0		ug/L			03/22/13 18:52	1
1,4-Dichlorobenzene	ND		1.0		ug/L			03/22/13 18:52	1
1,4-Dioxane	ND		50		ug/L			03/22/13 18:52	1
2,2-Dichloropropane	ND		1.0		ug/L			03/22/13 18:52	1
2-Butanone (MEK)	ND	*	10		ug/L			03/22/13 18:52	1
2-Chlorotoluene	ND		1.0		ug/L			03/22/13 18:52	1
2-Hexanone	ND		10		ug/L			03/22/13 18:52	1
4-Chlorotoluene	ND		1.0		ug/L			03/22/13 18:52	1
4-Isopropyltoluene	ND		1.0		ug/L			03/22/13 18:52	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			03/22/13 18:52	1
Acetone	ND		50		ug/L			03/22/13 18:52	1
Benzene	ND		1.0		ug/L			03/22/13 18:52	1
Bromobenzene	ND		1.0		ug/L			03/22/13 18:52	1
Bromoform	ND		1.0		ug/L			03/22/13 18:52	1
Bromomethane	ND		2.0		ug/L			03/22/13 18:52	1

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34808-1

Client Sample ID: DPz 004-M06303M6-06
Date C9llertex: 03dM6o63 66:66
Date Rereidex: 03dMM63 6M30

Lab Sample ID: 480-34808-v
7 atW2: 1 ateW

7 et/ 9x: 8Mv0C - h9latile VW0anir C9mp9unxs g(Co7 SGgC9ntinuexG

) nalAte	Result	UualiQeW	RL	7 DL	Pnit	D	zWepaWex	) nalAFex	Dil yar
Carbon disulfide	ND		10		ug/L			03/22/13 18:52	1
Carbon tetrachloride	ND		1.0		ug/L			03/22/13 18:52	1
Chlorobenzene	ND		1.0		ug/L			03/22/13 18:52	1
Chlorobromomethane	ND		1.0		ug/L			03/22/13 18:52	1
Chlorodibromomethane	ND		0.50		ug/L			03/22/13 18:52	1
Chloroethane	ND		2.0		ug/L			03/22/13 18:52	1
Chloroform	ND		1.0		ug/L			03/22/13 18:52	1
Chloromethane	ND		2.0		ug/L			03/22/13 18:52	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			03/22/13 18:52	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			03/22/13 18:52	1
Dichlorobromomethane	ND		0.50		ug/L			03/22/13 18:52	1
Dichlorodifluoromethane	ND		1.0		ug/L			03/22/13 18:52	1
Ethyl ether	ND		1.0		ug/L			03/22/13 18:52	1
Ethylbenzene	ND		1.0		ug/L			03/22/13 18:52	1
Ethylene Dibromide	ND		1.0		ug/L			03/22/13 18:52	1
Hexachlorobutadiene	ND		0.40		ug/L			03/22/13 18:52	1
Isopropyl ether	ND		10		ug/L			03/22/13 18:52	1
Isopropylbenzene	ND		1.0		ug/L			03/22/13 18:52	1
Methyl tert-butyl ether	ND		1.0		ug/L			03/22/13 18:52	1
Methylene Chloride	ND		1.0		ug/L			03/22/13 18:52	1
m-Xylene & p-Xylene	ND		2.0		ug/L			03/22/13 18:52	1
Naphthalene	ND		5.0		ug/L			03/22/13 18:52	1
n-Butylbenzene	ND		1.0		ug/L			03/22/13 18:52	1
N-Propylbenzene	ND		1.0		ug/L			03/22/13 18:52	1
o-Xylene	ND		1.0		ug/L			03/22/13 18:52	1
sec-Butylbenzene	ND		1.0		ug/L			03/22/13 18:52	1
Styrene	ND		1.0		ug/L			03/22/13 18:52	1
Tert-amyl methyl ether	ND		5.0		ug/L			03/22/13 18:52	1
Tert-butyl ethyl ether	ND		5.0		ug/L			03/22/13 18:52	1
tert-Butylbenzene	ND		1.0		ug/L			03/22/13 18:52	1
Tetrachloroethene	ND		1.0		ug/L			03/22/13 18:52	1
Tetrahydrofuran	ND		10		ug/L			03/22/13 18:52	1
Toluene	ND		1.0		ug/L			03/22/13 18:52	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			03/22/13 18:52	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			03/22/13 18:52	1
, Wr / l9W9et/ ene	6fc		1.0		ug/L			03/22/13 18:52	1
Trichlorofluoromethane	ND		1.0		ug/L			03/22/13 18:52	1
Vinyl chloride	ND		0.50		ug/L			03/22/13 18:52	1
Dibromomethane	ND		1.0		ug/L			03/22/13 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*9:*		*01 - 3/ 1*		*1/ 2663/ 38476*	*3*
3,6-Dichloroethane-dB (Surr)	*97*		*01 - 3/ 1*		*1/ 2663/ 38476*	*3*
B-mrof oluorozen5ene (Surr)	*311*		*01 - 3/ 1*		*1/ 2663/ 38476*	*3*

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34808-1

Client Sample ID: 7 1 60MTD-M06303M6-06
Date C9llertex: 03dM6o63 66:3T
Date Rereidex: 03dMM63 6M30

Lab Sample ID: 480-34808-B
7 atW2: 1 ateW

7 et/ 9x: 8Mv05 Sl7 - h9latile VW0anir C9mp9unxs g(Co7 SG

) nalAte	Result	UualiQeW	RL	7 DL	Pnit	D	zWepaWex	) nalAFex	Dil yar
1,4-Dioxane	ND		1.6		ug/L			03/25/13 15:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
TmA-d9 (Surr)	*318*		*71 - 371*		*1/ 2673/ 374 8*	*3*
Dizrof oduorof ethane (Surr)	*91*		*71 - 371*		*1/ 2673/ 374 8*	*3*

7 et/ 9x: 8Mv0C - h9latile VW0anir C9mp9unxs g(Co7 SG

) nalAte	Result	UualiQeW	RL	7 DL	Pnit	D	zWepaWex	) nalAFex	Dil yar
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			03/22/13 20:08	1
1,1,1-Trichloroethane	ND		1.0		ug/L			03/22/13 20:08	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			03/22/13 20:08	1
1,1,2-Trichloroethane	ND		1.0		ug/L			03/22/13 20:08	1
1,1-Dichloroethane	ND		1.0		ug/L			03/22/13 20:08	1
1,1-Dichloroethene	ND		1.0		ug/L			03/22/13 20:08	1
1,1-Dichloropropene	ND		1.0		ug/L			03/22/13 20:08	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			03/22/13 20:08	1
1,2,3-Trichloropropane	ND		1.0		ug/L			03/22/13 20:08	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/22/13 20:08	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			03/22/13 20:08	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			03/22/13 20:08	1
1,2-Dichlorobenzene	ND		1.0		ug/L			03/22/13 20:08	1
1,2-Dichloroethane	ND		1.0		ug/L			03/22/13 20:08	1
1,2-Dichloropropane	ND		1.0		ug/L			03/22/13 20:08	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			03/22/13 20:08	1
1,3-Dichlorobenzene	ND		1.0		ug/L			03/22/13 20:08	1
1,3-Dichloropropane	ND		1.0		ug/L			03/22/13 20:08	1
1,4-Dichlorobenzene	ND		1.0		ug/L			03/22/13 20:08	1
1,4-Dioxane	ND		50		ug/L			03/22/13 20:08	1
2,2-Dichloropropane	ND		1.0		ug/L			03/22/13 20:08	1
2-Butanone (MEK)	ND		10		ug/L			03/22/13 20:08	1
2-Chlorotoluene	ND		1.0		ug/L			03/22/13 20:08	1
2-Hexanone	ND		10		ug/L			03/22/13 20:08	1
4-Chlorotoluene	ND		1.0		ug/L			03/22/13 20:08	1
4-Isopropyltoluene	ND		1.0		ug/L			03/22/13 20:08	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			03/22/13 20:08	1
Acetone	ND		50		ug/L			03/22/13 20:08	1
Benzene	ND		1.0		ug/L			03/22/13 20:08	1
Bromobenzene	ND		1.0		ug/L			03/22/13 20:08	1
Bromoform	ND		1.0		ug/L			03/22/13 20:08	1
Bromomethane	ND		2.0		ug/L			03/22/13 20:08	1
Carbon disulfide	ND		10		ug/L			03/22/13 20:08	1
Carbon tetrachloride	ND		1.0		ug/L			03/22/13 20:08	1
Chlorobenzene	ND		1.0		ug/L			03/22/13 20:08	1
Chlorobromomethane	ND		1.0		ug/L			03/22/13 20:08	1
Chlorodibromomethane	ND		0.50		ug/L			03/22/13 20:08	1
Chloroethane	ND		2.0		ug/L			03/22/13 20:08	1
Chloroform	ND		1.0		ug/L			03/22/13 20:08	1
Chloromethane	ND		2.0		ug/L			03/22/13 20:08	1
ris-6.MDir/ l9Wet/ ene	**6B**		1.0		ug/L			03/22/13 20:08	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			03/22/13 20:08	1

Client Sample ID: 7 1 60MTD-M06303M6-06
Date C9llertex: 03dM6o63 66:3T
Date Rereidex: 03dMM63 6M30

Lab Sample ID: 480-34808-B
7 atW2: 1 ateW

7 et/ 9x: 8Mv0C - h9latile VW0anir C9mp9unxs g(Co7 SGgC9ntinuexG

) nalAte	Result	UualiQeW	RL	7 DL	Pnit	D	zWpaWex	) nalAFex	Dil yar
Dichlorobromomethane	ND		0.50		ug/L			03/22/13 20:08	1
Dichlorodifluoromethane	ND	*	1.0		ug/L			03/22/13 20:08	1
Ethyl ether	ND		1.0		ug/L			03/22/13 20:08	1
Ethylbenzene	ND		1.0		ug/L			03/22/13 20:08	1
Ethylene Dibromide	ND		1.0		ug/L			03/22/13 20:08	1
Hexachlorobutadiene	ND		0.40		ug/L			03/22/13 20:08	1
Isopropyl ether	ND		10		ug/L			03/22/13 20:08	1
Isopropylbenzene	ND		1.0		ug/L			03/22/13 20:08	1
Methyl tert-butyl ether	ND		1.0		ug/L			03/22/13 20:08	1
Methylene Chloride	ND		1.0		ug/L			03/22/13 20:08	1
m-Xylene & p-Xylene	ND		2.0		ug/L			03/22/13 20:08	1
Naphthalene	ND		5.0		ug/L			03/22/13 20:08	1
n-Butylbenzene	ND		1.0		ug/L			03/22/13 20:08	1
N-Propylbenzene	ND		1.0		ug/L			03/22/13 20:08	1
o-Xylene	ND		1.0		ug/L			03/22/13 20:08	1
sec-Butylbenzene	ND		1.0		ug/L			03/22/13 20:08	1
Styrene	ND		1.0		ug/L			03/22/13 20:08	1
Tert-amyl methyl ether	ND		5.0		ug/L			03/22/13 20:08	1
Tert-butyl ethyl ether	ND		5.0		ug/L			03/22/13 20:08	1
tert-Butylbenzene	ND		1.0		ug/L			03/22/13 20:08	1
Tetrachloroethene	ND		1.0		ug/L			03/22/13 20:08	1
Tetrahydrofuran	ND		10		ug/L			03/22/13 20:08	1
Toluene	ND		1.0		ug/L			03/22/13 20:08	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			03/22/13 20:08	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			03/22/13 20:08	1
Trichlorofluoromethane	ND		1.0		ug/L			03/22/13 20:08	1
Vinyl chloride	ND		0.50		ug/L			03/22/13 20:08	1
Dibromomethane	ND		1.0		ug/L			03/22/13 20:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*01 - 3/ 1*		*1/ 2623/ 6141 8*	*3*
3,6-Dichloroethane-dB (Surr)	*90*		*01 - 3/ 1*		*1/ 2623/ 6141 8*	*3*
B-mrof oluorozen5ene (Surr)	*318*		*01 - 3/ 1*		*1/ 2623/ 6141 8*	*3*

7 et/ 9x: 8Mv0C - h9latile VW0anir C9mp9unxs g(Co7 SG- DL

) nalAte	Result	UualiQeW	RL	7 DL	Pnit	D	zWpaWex	) nalAFex	Dil yar
, Wr / l9W9et/ ene	**660**		2.0		ug/L			03/25/13 12:56	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*01 - 3/ 1*		*1/ 2672 3/ 364 7:*	*6*
3,6-Dichloroethane-dB (Surr)	*9B*		*01 - 3/ 1*		*1/ 2672 3/ 364 7:*	*6*
B-mrof oluorozen5ene (Surr)	*331*		*01 - 3/ 1*		*1/ 2672 3/ 364 7:*	*6*

7 et/ 9x: TMM7 VD - 6.4 Di92ane g(Co7 S Sl7 G

) nalAte	Result	UualiQeW	RL	7 DL	Pnit	D	zWpaWex	) nalAFex	Dil yar
6.4-Di92ane	**0f36**		0.20		ug/L		03/27/13 14:05	03/27/13 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
3,B-Dioxane-d8 (Surr)	*86*		*01 - 3/ 1*	*1/ 2602 3/ 3B41 7*	*1/ 2602 3/ 384 B/*	*3*

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34808-1

Client Sample ID: , 5 00M-M06303M6-06
Date C9llertex: 03dM6o63 00:00
Date Rereidex: 03dMM663 6M30

Lab Sample ID: 480-34808-8
7 atW2: 1 ateW

7 et/ 9x: 8Mv0C - h9latile VW0anir C9mp9unxs g(Co7 SG

) nalAte	Result	UualiQeW	RL	7 DL	Pnit	D	zWepaWex	) nalAFex	Dil yar
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			03/22/13 19:15	1
1,1,1-Trichloroethane	ND		1.0		ug/L			03/22/13 19:15	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			03/22/13 19:15	1
1,1,2-Trichloroethane	ND		1.0		ug/L			03/22/13 19:15	1
1,1-Dichloroethane	ND		1.0		ug/L			03/22/13 19:15	1
1,1-Dichloroethene	ND		1.0		ug/L			03/22/13 19:15	1
1,1-Dichloropropene	ND		1.0		ug/L			03/22/13 19:15	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			03/22/13 19:15	1
1,2,3-Trichloropropane	ND		1.0		ug/L			03/22/13 19:15	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/22/13 19:15	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			03/22/13 19:15	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			03/22/13 19:15	1
1,2-Dichlorobenzene	ND		1.0		ug/L			03/22/13 19:15	1
1,2-Dichloroethane	ND		1.0		ug/L			03/22/13 19:15	1
1,2-Dichloropropane	ND		1.0		ug/L			03/22/13 19:15	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			03/22/13 19:15	1
1,3-Dichlorobenzene	ND		1.0		ug/L			03/22/13 19:15	1
1,3-Dichloropropane	ND		1.0		ug/L			03/22/13 19:15	1
1,4-Dichlorobenzene	ND		1.0		ug/L			03/22/13 19:15	1
1,4-Dioxane	ND		50		ug/L			03/22/13 19:15	1
2,2-Dichloropropane	ND		1.0		ug/L			03/22/13 19:15	1
2-Butanone (MEK)	ND	*	10		ug/L			03/22/13 19:15	1
2-Chlorotoluene	ND		1.0		ug/L			03/22/13 19:15	1
2-Hexanone	ND		10		ug/L			03/22/13 19:15	1
4-Chlorotoluene	ND		1.0		ug/L			03/22/13 19:15	1
4-Isopropyltoluene	ND		1.0		ug/L			03/22/13 19:15	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			03/22/13 19:15	1
Acetone	ND		50		ug/L			03/22/13 19:15	1
Benzene	ND		1.0		ug/L			03/22/13 19:15	1
Bromobenzene	ND		1.0		ug/L			03/22/13 19:15	1
Bromoform	ND		1.0		ug/L			03/22/13 19:15	1
Bromomethane	ND		2.0		ug/L			03/22/13 19:15	1
Carbon disulfide	ND		10		ug/L			03/22/13 19:15	1
Carbon tetrachloride	ND		1.0		ug/L			03/22/13 19:15	1
Chlorobenzene	ND		1.0		ug/L			03/22/13 19:15	1
Chlorobromomethane	ND		1.0		ug/L			03/22/13 19:15	1
Chlorodibromomethane	ND		0.50		ug/L			03/22/13 19:15	1
Chloroethane	ND		2.0		ug/L			03/22/13 19:15	1
Chloroform	ND		1.0		ug/L			03/22/13 19:15	1
Chloromethane	ND		2.0		ug/L			03/22/13 19:15	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			03/22/13 19:15	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			03/22/13 19:15	1
Dichlorobromomethane	ND		0.50		ug/L			03/22/13 19:15	1
Dichlorodifluoromethane	ND		1.0		ug/L			03/22/13 19:15	1
Ethyl ether	ND		1.0		ug/L			03/22/13 19:15	1
Ethylbenzene	ND		1.0		ug/L			03/22/13 19:15	1
Ethylene Dibromide	ND		1.0		ug/L			03/22/13 19:15	1
Hexachlorobutadiene	ND		0.40		ug/L			03/22/13 19:15	1
Isopropyl ether	ND		10		ug/L			03/22/13 19:15	1

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34808-1

Client Sample ID: , 5 00M-MD6303M6-06
Date C9llertex: 03dM6o63 00:00
Date Rereidex: 03dMM663 6M30

Lab Sample ID: 480-34808-8
7 atW2: 1 ateW

7 et/ 9x: 8Mv0C - h9latile VW0anir C9mp9unxs g(Co7 SGgC9ntinuexG

) nalAte	Result	UualiQeW	RL	7 DL	Pnit	D	zWpaWex	) nalAFex	Dil yar
Isopropylbenzene	ND		1.0		ug/L			03/22/13 19:15	1
Methyl tert-butyl ether	ND		1.0		ug/L			03/22/13 19:15	1
Methylene Chloride	ND		1.0		ug/L			03/22/13 19:15	1
m-Xylene & p-Xylene	ND		2.0		ug/L			03/22/13 19:15	1
Naphthalene	ND		5.0		ug/L			03/22/13 19:15	1
n-Butylbenzene	ND		1.0		ug/L			03/22/13 19:15	1
N-Propylbenzene	ND		1.0		ug/L			03/22/13 19:15	1
o-Xylene	ND		1.0		ug/L			03/22/13 19:15	1
sec-Butylbenzene	ND		1.0		ug/L			03/22/13 19:15	1
Styrene	ND		1.0		ug/L			03/22/13 19:15	1
Tert-amyl methyl ether	ND		5.0		ug/L			03/22/13 19:15	1
Tert-butyl ethyl ether	ND		5.0		ug/L			03/22/13 19:15	1
tert-Butylbenzene	ND		1.0		ug/L			03/22/13 19:15	1
Tetrachloroethene	ND		1.0		ug/L			03/22/13 19:15	1
Tetrahydrofuran	ND		10		ug/L			03/22/13 19:15	1
Toluene	ND		1.0		ug/L			03/22/13 19:15	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			03/22/13 19:15	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			03/22/13 19:15	1
Trichloroethene	ND		1.0		ug/L			03/22/13 19:15	1
Trichlorofluoromethane	ND		1.0		ug/L			03/22/13 19:15	1
Vinyl chloride	ND		0.50		ug/L			03/22/13 19:15	1
Dibromomethane	ND		1.0		ug/L			03/22/13 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*01 - 3/ 1*		*1/ 2662 3/ 3947 37*	*3*
3,6-Dichloroethane-dB (Surr)	*9B*		*01 - 3/ 1*		*1/ 2662 3/ 3947 37*	*3*
B-mrof oluorozen5ene (Surr)	*311*		*01 - 3/ 1*		*1/ 2662 3/ 3947 37*	*3*

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		BA-d9 (Sur	DBFM								
Lab Sample ID	Client Sample ID	(50-150)	(50-150)								
480-34808-d	E / 6092D-90630396-06	608	y0								
57j 480-608yy8P3	5ab 7 oCtro1j amL'e	602	88								
57j D 480-608yy8P4	5ab 7 oCtro1j amL'e DBL	608	88								
E U 480-608yy8P2	E etMbWU'aCp	664	88								

Surrogate Legend

TUA-Wy uj BrrkOTUA-Wy uj Brrk

DU=E ODibromo(1BorometMaCe uj Brrk

Method: 8260C - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		TOL	12DCE	BFB							
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)							
480-34808-6	E / 6036-90630396-06	y2	y9	yy							
480-34808-9	E / 600y-90630396-06	y)	y2	600							
480-34808-3	E / 6006E -90630396-06	yd	y2	600							
480-34808-4	E / 6006U-90630396-06	y4	y4	600							
480-34808-2	E / 6004-90630396-06	y8	y4	606							
480-34808-)	D, N004-90630396-06	y)	y2	600							
480-34808-d	E / 6092D-90630396-06	y8	yd	608							
480-34808-d - D5	E / 6092D-90630396-06	yd	y4	660							
480-34808-d Ej	E / 6092D-90630396-06	y8	609	663							
480-34808-d Ej D	E / 6092D-90630396-06	yy	yy	669							
480-34808-8	TU009-90630396-06	y8	y4	600							
57j 480-608) 84P4	5ab 7 oCtro1j amL'e	yd	y3	609							
57j 480-608) 8) P4	5ab 7 oCtro1j amL'e	yd	600	60y							
57j 480-608y) 0P4	5ab 7 oCtro1j amL'e	y4	y3	666							
57j D 480-608) 84P2	5ab 7 oCtro1j amL'e DBL	y8	y9	603							
57j D 480-608) 8) P2	5ab 7 oCtro1j amL'e DBL	y)	yy	602							
57j D 480-608y) 0P2	5ab 7 oCtro1j amL'e DBL	yd	y2	664							
E U 480-608) 84Pd	E etMbWU'aCp	y)	y4	yy							
E U 480-608) 8) Pd	E etMbWU'aCp	600	y4	60y							
E U 480-608y) 0Pd	E etMbWU'aCp	y2	y4	660							

Surrogate Legend

TF 5 OTo1BeCe-W8 uj Brrk

69D7 I O6f9-DicMbroetMaCe-W4 uj Brrk

U=U O4-Uromo(1BorobeCzeCe uj Brrk

Method: 522 MOD - 1,4 Dioxane (GC/MS SIM)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		14DD8									
Lab Sample ID	Client Sample ID	(70-130)									
480-34808-d	E / 6092D-90630396-06	89									
57j 900-23204P9-A	5ab 7 oCtro1j amL'e	84									
E U 900-23204P6-A	E etMbWU'aCp	dy									

Surrogate Legend

64DD8 O6f4-DioxaCe-W8 uj Brrk

Method: 8260- SWM i Oolatrle g rnca(rGCompou(ds /) CIMSD

Lab Sample \B: M- 480i108778lx
MatrnW P aten
F(alNsrs - atGh: 108778

Clre(t Sample \B: Method - la(k
Trep yNpe: yotallAF

F(alNte	M- Result	M- Qualr%en	RL	MBL	f (rt	B	Tnepared	F(alNUed	Brl zaG
1,4-Dioxane	ND		1.6		ug/L			03/25/13 12:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
TBA-d9 (Surr)	*114*		*50 - 150*		*03/25/13 12:48*	*1*
Dibromofluoromethane (Surr)	*88*		*50 - 150*		*03/25/13 12:48*	*1*

Lab Sample \B: LCS 480i108778l.
MatrnW P aten
F(alNsrs - atGh: 108778

Clre(t Sample \B: Lab Co(tnol Sample
Trep yNpe: yotallAF

F(alNte			Sprke Fdded	LCS Result	LCS Qualr%en	f (rt	B	5 ReG	5 ReG9 Lrnrts		
1,4-Dioxane			16.0	16.2		ug/L		101			

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
TBA-d9 (Surr)	*105*		*50 - 150*
Dibromofluoromethane (Surr)	*88*		*50 - 150*

Lab Sample \B: LCSB 480i108778l4
MatrnW P aten
F(alNsrs - atGh: 108778

Clre(t Sample \B: Lab Co(tnol Sample Bup
Trep yNpe: yotallAF

F(alNte			Sprke Fdded	LCSB Result	LCSB Qualr%en	f (rt	B	5 ReG	5 ReG9 Lrnrts	RTB	RTB Lrnrt
1,4-Dioxane			16.0	16.0		ug/L		100		2	

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
TBA-d9 (Surr)	*108*		*50 - 150*
Dibromofluoromethane (Surr)	*88*		*50 - 150*

Method: 8260C i Oolatrle g rnca(rGCompou(ds /) CIMSD

Lab Sample \B: M- 480i108684l,
MatrnW P aten
F(alNsrs - atGh: 108684

Clre(t Sample \B: Method - la(k
Trep yNpe: yotallAF

F(alNte	M- Result	M- Qualr%en	RL	MBL	f (rt	B	Tnepared	F(alNUed	Brl zaG
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			03/22/13 11:37	1
1,1,1-Trichloroethane	ND		1.0		ug/L			03/22/13 11:37	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			03/22/13 11:37	1
1,1,2-Trichloroethane	ND		1.0		ug/L			03/22/13 11:37	1
1,1-Dichloroethane	ND		1.0		ug/L			03/22/13 11:37	1
1,1-Dichloroethene	ND		1.0		ug/L			03/22/13 11:37	1
1,1-Dichloropropene	ND		1.0		ug/L			03/22/13 11:37	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			03/22/13 11:37	1
1,2,3-Trichloropropane	ND		1.0		ug/L			03/22/13 11:37	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/22/13 11:37	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			03/22/13 11:37	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			03/22/13 11:37	1

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34808-1

Method: 8260C i Oolatrle g rnca(rG Compou(ds /) CIMSD/Co(tr(uedD

Lab Sample \B: M- 480i108684l,
MatrnW P aten
F(alNsrs - atGh: 108684

Clre(t Sample \B: Method - la(k
Trep yNpe: yotallAF

F(alNte	M- Result	M- Qualr%en	RL	MBL	f (rt	B	Tnepared	F(alNUed	Brl zaG
1,2-Dichlorobenzene	ND		1.0		ug/L			03/22/13 11:37	1
1,2-Dichloroethane	ND		1.0		ug/L			03/22/13 11:37	1
1,2-Dichloropropane	ND		1.0		ug/L			03/22/13 11:37	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			03/22/13 11:37	1
1,3-Dichlorobenzene	ND		1.0		ug/L			03/22/13 11:37	1
1,3-Dichloropropane	ND		1.0		ug/L			03/22/13 11:37	1
1,4-Dichlorobenzene	ND		1.0		ug/L			03/22/13 11:37	1
1,4-Dioxane	ND		50		ug/L			03/22/13 11:37	1
2,2-Dichloropropane	ND		1.0		ug/L			03/22/13 11:37	1
2-Butanone (MEK)	ND		10		ug/L			03/22/13 11:37	1
2-Chlorotoluene	ND		1.0		ug/L			03/22/13 11:37	1
2-Hexanone	ND		10		ug/L			03/22/13 11:37	1
4-Chlorotoluene	ND		1.0		ug/L			03/22/13 11:37	1
4-Isopropyltoluene	ND		1.0		ug/L			03/22/13 11:37	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			03/22/13 11:37	1
Acetone	ND		50		ug/L			03/22/13 11:37	1
Benzene	ND		1.0		ug/L			03/22/13 11:37	1
Bromobenzene	ND		1.0		ug/L			03/22/13 11:37	1
Bromoform	ND		1.0		ug/L			03/22/13 11:37	1
Bromomethane	ND		2.0		ug/L			03/22/13 11:37	1
Carbon disulfide	ND		10		ug/L			03/22/13 11:37	1
Carbon tetrachloride	ND		1.0		ug/L			03/22/13 11:37	1
Chlorobenzene	ND		1.0		ug/L			03/22/13 11:37	1
Chlorobromomethane	ND		1.0		ug/L			03/22/13 11:37	1
Chlorodibromomethane	ND		0.50		ug/L			03/22/13 11:37	1
Chloroethane	ND		2.0		ug/L			03/22/13 11:37	1
Chloroform	ND		1.0		ug/L			03/22/13 11:37	1
Chloromethane	ND		2.0		ug/L			03/22/13 11:37	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			03/22/13 11:37	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			03/22/13 11:37	1
Dichlorobromomethane	ND		0.50		ug/L			03/22/13 11:37	1
Dichlorodifluoromethane	ND		1.0		ug/L			03/22/13 11:37	1
Ethyl ether	ND		1.0		ug/L			03/22/13 11:37	1
Ethylbenzene	ND		1.0		ug/L			03/22/13 11:37	1
Ethylene Dibromide	ND		1.0		ug/L			03/22/13 11:37	1
Hexachlorobutadiene	ND		0.40		ug/L			03/22/13 11:37	1
Isopropyl ether	ND		10		ug/L			03/22/13 11:37	1
Isopropylbenzene	ND		1.0		ug/L			03/22/13 11:37	1
Methyl tert-butyl ether	ND		1.0		ug/L			03/22/13 11:37	1
Methylene Chloride	ND		1.0		ug/L			03/22/13 11:37	1
m-Xylene & p-Xylene	ND		2.0		ug/L			03/22/13 11:37	1
Naphthalene	ND		5.0		ug/L			03/22/13 11:37	1
n-Butylbenzene	ND		1.0		ug/L			03/22/13 11:37	1
N-Propylbenzene	ND		1.0		ug/L			03/22/13 11:37	1
o-Xylene	ND		1.0		ug/L			03/22/13 11:37	1
sec-Butylbenzene	ND		1.0		ug/L			03/22/13 11:37	1
Styrene	ND		1.0		ug/L			03/22/13 11:37	1
Tert-amyl methyl ether	ND		5.0		ug/L			03/22/13 11:37	1

Method: 8260C i Oolatrle g rnca(rG Compou(ds /) CIMSD/Co(tr(uedD

Lab Sample \B: M- 480i108684l,
MatrnW P aten
F(alNsrs - atGh: 108684

Clre(t Sample \B: Method - la(k
Trep yNpe: yotallAF

F(alNte	M- Result	M- Qualr%en	RL	MBL	f (rt	B	Tnepared	F(alNUed	Bnl zaG
Tert-butyl ethyl ether	ND		5.0		ug/L			03/22/13 11:37	1
tert-Butylbenzene	ND		1.0		ug/L			03/22/13 11:37	1
Tetrachloroethene	ND		1.0		ug/L			03/22/13 11:37	1
Tetrahydrofuran	ND		10		ug/L			03/22/13 11:37	1
Toluene	ND		1.0		ug/L			03/22/13 11:37	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			03/22/13 11:37	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			03/22/13 11:37	1
Trichloroethene	ND		1.0		ug/L			03/22/13 11:37	1
Trichlorofluoromethane	ND		1.0		ug/L			03/22/13 11:37	1
Vinyl chloride	ND		0.50		ug/L			03/22/13 11:37	1
Dibromomethane	ND		1.0		ug/L			03/22/13 11:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*03/22/13 11:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*03/22/13 11:37*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*03/22/13 11:37*	*1*

Lab Sample \B: LCS 480i108684l4
MatrnW P aten
F(alNsrs - atGh: 108684

Clre(t Sample \B: Lab Co(trol Sample
Trep yNpe: yotallAF

F(alNte	Sprke Fdded	LCS Result	LCS Qualr%en	f (rt	B	5 ReG	5 ReG9 Lmrts
1,1,1,2-Tetrachloroethane	25.0	23.8		ug/L		95	70 - 130
1,1,1-Trichloroethane	25.0	21.8		ug/L		87	70 - 130
1,1,2,2-Tetrachloroethane	25.0	24.3		ug/L		97	70 - 130
1,1,2-Trichloroethane	25.0	23.8		ug/L		95	70 - 130
1,1-Dichloroethane	25.0	22.7		ug/L		91	70 - 130
1,1-Dichloroethene	25.0	24.1		ug/L		96	70 - 130
1,1-Dichloropropene	25.0	23.4		ug/L		93	70 - 130
1,2,3-Trichlorobenzene	25.0	25.4		ug/L		102	70 - 130
1,2,3-Trichloropropane	25.0	24.8		ug/L		99	70 - 130
1,2,4-Trichlorobenzene	25.0	26.2		ug/L		105	70 - 130
1,2,4-Trimethylbenzene	25.0	23.6		ug/L		95	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	23.7		ug/L		95	70 - 130
1,2-Dichlorobenzene	25.0	24.6		ug/L		98	70 - 130
1,2-Dichloroethane	25.0	22.6		ug/L		90	70 - 130
1,2-Dichloropropane	25.0	23.3		ug/L		93	70 - 130
1,3,5-Trimethylbenzene	25.0	23.5		ug/L		94	70 - 130
1,3-Dichlorobenzene	25.0	24.3		ug/L		97	70 - 130
1,3-Dichloropropane	25.0	23.2		ug/L		93	70 - 130
1,4-Dichlorobenzene	25.0	24.7		ug/L		99	70 - 130
1,4-Dioxane	1000	920		ug/L		92	70 - 130
2,2-Dichloropropane	25.0	21.5		ug/L		86	70 - 130
2-Butanone (MEK)	125	167	*	ug/L		133	70 - 130
2-Chlorotoluene	25.0	23.3		ug/L		93	70 - 130
2-Hexanone	125	117		ug/L		94	70 - 130
4-Chlorotoluene	25.0	20.7		ug/L		83	70 - 130
4-Isopropyltoluene	25.0	24.1		ug/L		97	70 - 130

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34808-1

Method: 8260C i Oolatrle g rnca(rG Compou(ds /) CIMSD/Co(tr(uedD

Lab Sample \B: LCS 480i108684l4
MatrnW P aten
F(alNsrs - atGh: 108684

Clre(t Sample \B: Lab Co(trol Sample
Trep yNpe: yotallAF

F(alNte	Sprke Fdded	LCS Result	LCS QualrYen	f (rt	B	5 ReG	5 ReG9 Lrmrts
4-Methyl-2-pentanone (MIBK)	125	116		ug/L		93	70 - 130
Acetone	125	124		ug/L		99	70 - 130
Benzene	25.0	23.2		ug/L		93	70 - 130
Bromobenzene	25.0	24.1		ug/L		96	70 - 130
Bromoform	25.0	22.1		ug/L		89	70 - 130
Bromomethane	25.0	21.7		ug/L		87	70 - 130
Carbon disulfide	25.0	23.4		ug/L		94	70 - 130
Carbon tetrachloride	25.0	22.1		ug/L		88	70 - 130
Chlorobenzene	25.0	23.4		ug/L		94	70 - 130
Chlorobromomethane	25.0	25.4		ug/L		102	70 - 130
Chlorodibromomethane	25.0	22.9		ug/L		92	70 - 130
Chloroethane	25.0	22.5		ug/L		90	70 - 130
Chloroform	25.0	22.5		ug/L		90	70 - 130
Chloromethane	25.0	24.2		ug/L		97	70 - 130
cis-1,2-Dichloroethene	25.0	23.4		ug/L		93	70 - 130
cis-1,3-Dichloropropene	25.0	23.4		ug/L		94	70 - 130
Dichlorobromomethane	25.0	22.7		ug/L		91	70 - 130
Dichlorodifluoromethane	50.0	60.5		ug/L		121	70 - 130
Ethyl ether	25.0	24.6		ug/L		98	70 - 130
Ethylbenzene	25.0	22.8		ug/L		91	70 - 130
Ethylene Dibromide	25.0	23.8		ug/L		95	70 - 130
Hexachlorobutadiene	25.0	24.4		ug/L		98	70 - 130
Isopropyl ether	25.0	24.7		ug/L		99	70 - 130
Isopropylbenzene	25.0	23.2		ug/L		93	70 - 130
Methyl tert-butyl ether	25.0	24.0		ug/L		96	70 - 130
Methylene Chloride	25.0	22.4		ug/L		90	70 - 130
m-Xylene & p-Xylene	50.0	46.9		ug/L		94	70 - 130
Naphthalene	25.0	24.7		ug/L		99	70 - 130
n-Butylbenzene	25.0	23.4		ug/L		94	70 - 130
N-Propylbenzene	25.0	23.1		ug/L		92	70 - 130
o-Xylene	25.0	23.4		ug/L		94	70 - 130
sec-Butylbenzene	25.0	23.8		ug/L		95	70 - 130
Styrene	25.0	23.5		ug/L		94	70 - 130
Tert-amyl methyl ether	25.0	24.2		ug/L		97	70 - 130
Tert-butyl ethyl ether	25.0	23.8		ug/L		95	70 - 130
tert-Butylbenzene	25.0	24.9		ug/L		100	70 - 130
Tetrachloroethene	25.0	24.9		ug/L		100	70 - 130
Tetrahydrofuran	125	122		ug/L		98	70 - 130
Toluene	25.0	23.2		ug/L		93	70 - 130
trans-1,2-Dichloroethene	25.0	24.2		ug/L		97	70 - 130
trans-1,3-Dichloropropene	25.0	22.5		ug/L		90	70 - 130
Trichloroethene	25.0	23.8		ug/L		95	70 - 130
Trichlorofluoromethane	25.0	24.6		ug/L		99	70 - 130
Vinyl chloride	25.0	22.4		ug/L		90	70 - 130
Dibromomethane	25.0	24.0		ug/L		96	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*70 - 130*

Method: 8260C i Oolatrle g rnca(rG Compou(ds /) CIMSD/Co(tr(uedD

Lab Sample \B: LCS 480i108684l4
MatrnW P aten
F(alNsrs - atGh: 108684

Clre(t Sample \B: Lab Co(trnol Sample
Trep yNpe: yotallAF

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		70 - 130
4-Bromofluorobenzene (Surr)	102		70 - 130

Lab Sample \B: LCSB 480i108684lx
MatrnW P aten
F(alNsrs - atGh: 108684

Clre(t Sample \B: Lab Co(trnol Sample Bup
Trep yNpe: yotallAF

F(alNte			Sprke Fdded	LCSB Result	LCSB Qualr%en	f(rt	B	5 ReG	5 ReG9 Lrnrts	RTB	RTB Lrnrt
1,1,1,2-Tetrachloroethane			25.0	25.3		ug/L		101	70 - 130	6	20
1,1,1-Trichloroethane			25.0	23.4		ug/L		94	70 - 130	7	20
1,1,2,2-Tetrachloroethane			25.0	24.3		ug/L		97	70 - 130	0	20
1,1,2-Trichloroethane			25.0	24.6		ug/L		98	70 - 130	3	20
1,1-Dichloroethane			25.0	23.6		ug/L		94	70 - 130	4	20
1,1-Dichloroethene			25.0	23.5		ug/L		94	70 - 130	2	20
1,1-Dichloropropene			25.0	24.2		ug/L		97	70 - 130	4	20
1,2,3-Trichlorobenzene			25.0	25.7		ug/L		103	70 - 130	1	20
1,2,3-Trichloropropane			25.0	24.5		ug/L		98	70 - 130	1	20
1,2,4-Trichlorobenzene			25.0	26.7		ug/L		107	70 - 130	2	20
1,2,4-Trimethylbenzene			25.0	24.0		ug/L		96	70 - 130	1	20
1,2-Dibromo-3-Chloropropane			25.0	23.3		ug/L		93	70 - 130	1	20
1,2-Dichlorobenzene			25.0	24.6		ug/L		98	70 - 130	0	20
1,2-Dichloroethane			25.0	22.3		ug/L		89	70 - 130	1	20
1,2-Dichloropropane			25.0	23.3		ug/L		93	70 - 130	0	20
1,3,5-Trimethylbenzene			25.0	24.0		ug/L		96	70 - 130	2	20
1,3-Dichlorobenzene			25.0	24.8		ug/L		99	70 - 130	2	20
1,3-Dichloropropane			25.0	23.3		ug/L		93	70 - 130	0	20
1,4-Dichlorobenzene			25.0	24.9		ug/L		100	70 - 130	1	20
1,4-Dioxane			1000	907		ug/L		91	70 - 130	1	20
2,2-Dichloropropane			25.0	22.5		ug/L		90	70 - 130	5	20
2-Butanone (MEK)			125	164	*	ug/L		131	70 - 130	2	20
2-Chlorotoluene			25.0	24.4		ug/L		98	70 - 130	5	20
2-Hexanone			125	117		ug/L		93	70 - 130	0	20
4-Chlorotoluene			25.0	21.2		ug/L		85	70 - 130	2	20
4-Isopropyltoluene			25.0	24.8		ug/L		99	70 - 130	3	20
4-Methyl-2-pentanone (MIBK)			125	117		ug/L		93	70 - 130	1	20
Acetone			125	123		ug/L		99	70 - 130	1	20
Benzene			25.0	23.7		ug/L		95	70 - 130	2	20
Bromobenzene			25.0	24.8		ug/L		99	70 - 130	3	20
Bromoform			25.0	23.3		ug/L		93	70 - 130	5	20
Bromomethane			25.0	23.7		ug/L		95	70 - 130	9	20
Carbon disulfide			25.0	24.3		ug/L		97	70 - 130	4	20
Carbon tetrachloride			25.0	23.2		ug/L		93	70 - 130	5	20
Chlorobenzene			25.0	24.4		ug/L		98	70 - 130	4	20
Chlorobromomethane			25.0	25.5		ug/L		102	70 - 130	0	20
Chlorodibromomethane			25.0	24.2		ug/L		97	70 - 130	6	20
Chloroethane			25.0	23.4		ug/L		94	70 - 130	4	20
Chloroform			25.0	22.9		ug/L		92	70 - 130	2	20
Chloromethane			25.0	23.6		ug/L		95	70 - 130	2	20

Method: 8260C i Oolatrle g rnca(rG Compou(ds /) CIMSD/Co(tr(uedD

Lab Sample \B: LCSB 480i108684lx
MatrnW P aten
F(alNsrs - atGh: 108684

Clre(t Sample \B: Lab Co(tnol Sample Bup
Trep yNpe: yotallAF

F(alNte			Sprke Fdded	LCSB Result	LCSB Qualr%en	f (rt	B	5 ReG	5 ReG9 Lmrts	RTB	RTB Lmrt
cis-1,2-Dichloroethene			25.0	24.8		ug/L		99	70 - 130	6	20
cis-1,3-Dichloropropene			25.0	24.0		ug/L		96	70 - 130	2	20
Dichlorobromomethane			25.0	22.7		ug/L		91	70 - 130	0	20
Dichlorodifluoromethane			50.0	62.6		ug/L		125	70 - 130	3	20
Ethyl ether			25.0	24.7		ug/L		99	70 - 130	1	20
Ethylbenzene			25.0	23.9		ug/L		95	70 - 130	5	20
Ethylene Dibromide			25.0	24.5		ug/L		98	70 - 130	3	20
Hexachlorobutadiene			25.0	25.8		ug/L		103	70 - 130	6	20
Isopropyl ether			25.0	25.1		ug/L		101	70 - 130	2	20
Isopropylbenzene			25.0	24.3		ug/L		97	70 - 130	4	20
Methyl tert-butyl ether			25.0	24.0		ug/L		96	70 - 130	0	20
Methylene Chloride			25.0	22.4		ug/L		89	70 - 130	0	20
m-Xylene & p-Xylene			50.0	48.3		ug/L		97	70 - 130	3	20
Naphthalene			25.0	24.8		ug/L		99	70 - 130	0	20
n-Butylbenzene			25.0	24.0		ug/L		96	70 - 130	2	20
N-Propylbenzene			25.0	24.1		ug/L		96	70 - 130	4	20
o-Xylene			25.0	24.5		ug/L		98	70 - 130	5	20
sec-Butylbenzene			25.0	24.5		ug/L		98	70 - 130	3	20
Styrene			25.0	24.3		ug/L		97	70 - 130	3	20
Tert-amyl methyl ether			25.0	24.3		ug/L		97	70 - 130	0	20
Tert-butyl ethyl ether			25.0	24.0		ug/L		96	70 - 130	1	20
tert-Butylbenzene			25.0	25.2		ug/L		101	70 - 130	1	20
Tetrachloroethene			25.0	26.3		ug/L		105	70 - 130	5	20
Tetrahydrofuran			125	119		ug/L		95	70 - 130	3	20
Toluene			25.0	24.2		ug/L		97	70 - 130	4	20
trans-1,2-Dichloroethene			25.0	24.0		ug/L		96	70 - 130	1	20
trans-1,3-Dichloropropene			25.0	23.4		ug/L		94	70 - 130	4	20
Trichloroethene			25.0	24.2		ug/L		97	70 - 130	2	20
Trichlorofluoromethane			25.0	25.2		ug/L		101	70 - 130	2	20
Vinyl chloride			25.0	22.8		ug/L		91	70 - 130	2	20
Dibromomethane			25.0	23.9		ug/L		95	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 130*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample \B: M- 480i108686l,
MatrnW P aten
F(alNsrs - atGh: 108686

Clre(t Sample \B: Method - la(k
Trep yNpe: yotallAF

F(alNte	M- Result	M- Qualr%en	RL	MBL	f (rt	B	Tnepaned	F(alNUed	Brl zaG
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			03/22/13 11:59	1
1,1,1-Trichloroethane	ND		1.0		ug/L			03/22/13 11:59	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			03/22/13 11:59	1
1,1,2-Trichloroethane	ND		1.0		ug/L			03/22/13 11:59	1
1,1-Dichloroethane	ND		1.0		ug/L			03/22/13 11:59	1
1,1-Dichloroethene	ND		1.0		ug/L			03/22/13 11:59	1

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34808-1

Method: 8260C i Oolatrle g rnca(rG Compou(ds /) CIMSD/Co(tr(uedD

Lab Sample \B: M- 480i108686l,
MatrnW P aten
F(alNsrs - atGh: 108686

Clre(t Sample \B: Method - la(k
Trep yNpe: yotallAF

F(alNte	M- Result	M- Qualr%en	RL	MBL	f (rt	B	Tnepared	F(alNUed	Brl zaG
1,1-Dichloropropene	ND		1.0		ug/L			03/22/13 11:59	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			03/22/13 11:59	1
1,2,3-Trichloropropane	ND		1.0		ug/L			03/22/13 11:59	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/22/13 11:59	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			03/22/13 11:59	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			03/22/13 11:59	1
1,2-Dichlorobenzene	ND		1.0		ug/L			03/22/13 11:59	1
1,2-Dichloroethane	ND		1.0		ug/L			03/22/13 11:59	1
1,2-Dichloropropane	ND		1.0		ug/L			03/22/13 11:59	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			03/22/13 11:59	1
1,3-Dichlorobenzene	ND		1.0		ug/L			03/22/13 11:59	1
1,3-Dichloropropane	ND		1.0		ug/L			03/22/13 11:59	1
1,4-Dichlorobenzene	ND		1.0		ug/L			03/22/13 11:59	1
1,4-Dioxane	ND		50		ug/L			03/22/13 11:59	1
2,2-Dichloropropane	ND		1.0		ug/L			03/22/13 11:59	1
2-Butanone (MEK)	ND		10		ug/L			03/22/13 11:59	1
2-Chlorotoluene	ND		1.0		ug/L			03/22/13 11:59	1
2-Hexanone	ND		10		ug/L			03/22/13 11:59	1
4-Chlorotoluene	ND		1.0		ug/L			03/22/13 11:59	1
4-Isopropyltoluene	ND		1.0		ug/L			03/22/13 11:59	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			03/22/13 11:59	1
Acetone	ND		50		ug/L			03/22/13 11:59	1
Benzene	ND		1.0		ug/L			03/22/13 11:59	1
Bromobenzene	ND		1.0		ug/L			03/22/13 11:59	1
Bromoform	ND		1.0		ug/L			03/22/13 11:59	1
Bromomethane	ND		2.0		ug/L			03/22/13 11:59	1
Carbon disulfide	ND		10		ug/L			03/22/13 11:59	1
Carbon tetrachloride	ND		1.0		ug/L			03/22/13 11:59	1
Chlorobenzene	ND		1.0		ug/L			03/22/13 11:59	1
Chlorobromomethane	ND		1.0		ug/L			03/22/13 11:59	1
Chlorodibromomethane	ND		0.50		ug/L			03/22/13 11:59	1
Chloroethane	ND		2.0		ug/L			03/22/13 11:59	1
Chloroform	ND		1.0		ug/L			03/22/13 11:59	1
Chloromethane	ND		2.0		ug/L			03/22/13 11:59	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			03/22/13 11:59	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			03/22/13 11:59	1
Dichlorobromomethane	ND		0.50		ug/L			03/22/13 11:59	1
Dichlorodifluoromethane	ND		1.0		ug/L			03/22/13 11:59	1
Ethyl ether	ND		1.0		ug/L			03/22/13 11:59	1
Ethylbenzene	ND		1.0		ug/L			03/22/13 11:59	1
Ethylene Dibromide	ND		1.0		ug/L			03/22/13 11:59	1
Hexachlorobutadiene	ND		0.40		ug/L			03/22/13 11:59	1
Isopropyl ether	ND		10		ug/L			03/22/13 11:59	1
Isopropylbenzene	ND		1.0		ug/L			03/22/13 11:59	1
Methyl tert-butyl ether	ND		1.0		ug/L			03/22/13 11:59	1
Methylene Chloride	ND		1.0		ug/L			03/22/13 11:59	1
m-Xylene & p-Xylene	ND		2.0		ug/L			03/22/13 11:59	1
Naphthalene	ND		5.0		ug/L			03/22/13 11:59	1

Method: 8260C i Oolatrle g rnca(rG Compou(ds /) CIMSD/Co(tr(uedD

Lab Sample \B: M- 480i108686l,
MatrnW P aten
F(alNsrs - atGh: 108686

Clre(t Sample \B: Method - la(k
Trep yNpe: yotallAF

F(alNte	M- Result	M- Qualr%en	RL	MBL	f (rt	B	Tnepared	F(alNUed	Brl zaG
n-Butylbenzene	ND		1.0		ug/L			03/22/13 11:59	1
N-Propylbenzene	ND		1.0		ug/L			03/22/13 11:59	1
o-Xylene	ND		1.0		ug/L			03/22/13 11:59	1
sec-Butylbenzene	ND		1.0		ug/L			03/22/13 11:59	1
Styrene	ND		1.0		ug/L			03/22/13 11:59	1
Tert-amyl methyl ether	ND		5.0		ug/L			03/22/13 11:59	1
Tert-butyl ethyl ether	ND		5.0		ug/L			03/22/13 11:59	1
tert-Butylbenzene	ND		1.0		ug/L			03/22/13 11:59	1
Tetrachloroethene	ND		1.0		ug/L			03/22/13 11:59	1
Tetrahydrofuran	ND		10		ug/L			03/22/13 11:59	1
Toluene	ND		1.0		ug/L			03/22/13 11:59	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			03/22/13 11:59	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			03/22/13 11:59	1
Trichloroethene	ND		1.0		ug/L			03/22/13 11:59	1
Trichlorofluoromethane	ND		1.0		ug/L			03/22/13 11:59	1
Vinyl chloride	ND		0.50		ug/L			03/22/13 11:59	1
Dibromomethane	ND		1.0		ug/L			03/22/13 11:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*03/22/13 11:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*03/22/13 11:59*	*1*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*		*03/22/13 11:59*	*1*

Lab Sample \B: LCS 480i108686l4
MatrnW P aten
F(alNsrs - atGh: 108686

Clre(t Sample \B: Lab Co(trol Sample
Trep yNpe: yotallAF

F(alNte	Sprke Fdded	LCS Result	LCS Qualr%en	f (rt	B	5 ReG	5 ReG9 Lmrts
1,1,1,2-Tetrachloroethane	25.0	27.4		ug/L		109	70 - 130
1,1,1-Trichloroethane	25.0	27.4		ug/L		109	70 - 130
1,1,2,2-Tetrachloroethane	25.0	24.1		ug/L		96	70 - 130
1,1,2-Trichloroethane	25.0	25.0		ug/L		100	70 - 130
1,1-Dichloroethane	25.0	25.7		ug/L		103	70 - 130
1,1-Dichloroethene	25.0	26.9		ug/L		108	70 - 130
1,1-Dichloropropene	25.0	26.3		ug/L		105	70 - 130
1,2,3-Trichlorobenzene	25.0	25.4		ug/L		102	70 - 130
1,2,3-Trichloropropane	25.0	25.9		ug/L		104	70 - 130
1,2,4-Trichlorobenzene	25.0	25.5		ug/L		102	70 - 130
1,2,4-Trimethylbenzene	25.0	24.6		ug/L		98	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	22.3		ug/L		89	70 - 130
1,2-Dichlorobenzene	25.0	24.9		ug/L		100	70 - 130
1,2-Dichloroethane	25.0	25.1		ug/L		100	70 - 130
1,2-Dichloropropane	25.0	25.6		ug/L		102	70 - 130
1,3,5-Trimethylbenzene	25.0	24.2		ug/L		97	70 - 130
1,3-Dichlorobenzene	25.0	25.0		ug/L		100	70 - 130
1,3-Dichloropropane	25.0	25.6		ug/L		103	70 - 130
1,4-Dichlorobenzene	25.0	24.6		ug/L		99	70 - 130
1,4-Dioxane	1000	1080		ug/L		108	70 - 130

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34808-1

Method: 8260C i Oolatrle g rnca(rGCompou(ds /) CIMSD/Co(tr(uedD

Lab Sample \B: LCS 480i108686l4
MatrnW P aten
F(alNsrs - atGh: 108686

Clre(t Sample \B: Lab Co(trol Sample
Trep yNpe: yotallAF

F(alNte	Sprke Fdded	LCS Result	LCS QualrZen	f (rt	B	5 ReG	5 ReG9 Lrmrts
2,2-Dichloropropane	25.0	28.9		ug/L		115	70 - 130
2-Butanone (MEK)	125	148		ug/L		118	70 - 130
2-Chlorotoluene	25.0	26.0		ug/L		104	70 - 130
2-Hexanone	125	104		ug/L		83	70 - 130
4-Chlorotoluene	25.0	26.0		ug/L		104	70 - 130
4-Isopropyltoluene	25.0	24.7		ug/L		99	70 - 130
4-Methyl-2-pentanone (MIBK)	125	101		ug/L		81	70 - 130
Acetone	125	114		ug/L		91	70 - 130
Benzene	25.0	26.0		ug/L		104	70 - 130
Bromobenzene	25.0	24.8		ug/L		99	70 - 130
Bromoform	25.0	26.9		ug/L		107	70 - 130
Bromomethane	25.0	25.1		ug/L		101	70 - 130
Carbon disulfide	25.0	28.1		ug/L		112	70 - 130
Carbon tetrachloride	25.0	27.4		ug/L		110	70 - 130
Chlorobenzene	25.0	25.7		ug/L		103	70 - 130
Chlorobromomethane	25.0	28.4		ug/L		113	70 - 130
Chlorodibromomethane	25.0	26.2		ug/L		105	70 - 130
Chloroethane	25.0	24.3		ug/L		97	70 - 130
Chloroform	25.0	26.3		ug/L		105	70 - 130
Chloromethane	25.0	19.7		ug/L		79	70 - 130
cis-1,2-Dichloroethene	25.0	27.0		ug/L		108	70 - 130
cis-1,3-Dichloropropene	25.0	25.8		ug/L		103	70 - 130
Dichlorobromomethane	25.0	26.7		ug/L		107	70 - 130
Dichlorodifluoromethane	50.0	68.4	*	ug/L		137	70 - 130
Ethyl ether	25.0	24.7		ug/L		99	70 - 130
Ethylbenzene	25.0	25.2		ug/L		101	70 - 130
Ethylene Dibromide	25.0	25.9		ug/L		104	70 - 130
Hexachlorobutadiene	25.0	23.3		ug/L		93	70 - 130
Isopropyl ether	25.0	20.8		ug/L		83	70 - 130
Isopropylbenzene	25.0	24.5		ug/L		98	70 - 130
Methyl tert-butyl ether	25.0	29.2		ug/L		117	70 - 130
Methylene Chloride	25.0	25.8		ug/L		103	70 - 130
m-Xylene & p-Xylene	50.0	52.0		ug/L		104	70 - 130
Naphthalene	25.0	24.7		ug/L		99	70 - 130
n-Butylbenzene	25.0	24.0		ug/L		96	70 - 130
N-Propylbenzene	25.0	23.8		ug/L		95	70 - 130
o-Xylene	25.0	26.0		ug/L		104	70 - 130
sec-Butylbenzene	25.0	24.2		ug/L		97	70 - 130
Styrene	25.0	25.6		ug/L		102	70 - 130
Tert-amyl methyl ether	25.0	27.3		ug/L		109	70 - 130
Tert-butyl ethyl ether	25.0	24.3		ug/L		97	70 - 130
tert-Butylbenzene	25.0	25.1		ug/L		100	70 - 130
Tetrachloroethene	25.0	26.5		ug/L		106	70 - 130
Tetrahydrofuran	125	102		ug/L		82	70 - 130
Toluene	25.0	25.6		ug/L		102	70 - 130
trans-1,2-Dichloroethene	25.0	27.2		ug/L		109	70 - 130
trans-1,3-Dichloropropene	25.0	25.2		ug/L		101	70 - 130
Trichloroethene	25.0	26.9		ug/L		108	70 - 130

Method: 8260C i Oolatrle g rnca(rG Compou(ds /) CIMSD/Co(tr(uedD

Lab Sample \B: LCS 480i108686l4
MatrnW P aten
F(alNsrs - atGh: 108686

Clre(t Sample \B: Lab Co(trol Sample
Trep yNpe: yotallAF

F(alNte			Sprke Fdded	LCS Result	LCS QualrQen	f (rt	B	5 ReG	5 ReG9 Lrmrts		
Trichlorofluoromethane			25.0	28.6		ug/L		114	70 - 130		
Vinyl chloride			25.0	24.8		ug/L		99	70 - 130		
Dibromomethane			25.0	26.7		ug/L		107	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample \B: LCSB 480i108686lx
MatrnW P aten
F(alNsrs - atGh: 108686

Clre(t Sample \B: Lab Co(trol Sample Bup
Trep yNpe: yotallAF

F(alNte			Sprke Fdded	LCSB Result	LCSB QualrQen	f (rt	B	5 ReG	5 ReG9 Lrmrts	RTB	RTB Lrmrt
1,1,1,2-Tetrachloroethane			25.0	26.2		ug/L		105	70 - 130	4	20
1,1,1-Trichloroethane			25.0	26.0		ug/L		104	70 - 130	5	20
1,1,2,2-Tetrachloroethane			25.0	24.1		ug/L		97	70 - 130	0	20
1,1,2-Trichloroethane			25.0	24.7		ug/L		99	70 - 130	1	20
1,1-Dichloroethane			25.0	24.5		ug/L		98	70 - 130	5	20
1,1-Dichloroethene			25.0	25.6		ug/L		102	70 - 130	5	20
1,1-Dichloropropene			25.0	25.5		ug/L		102	70 - 130	3	20
1,2,3-Trichlorobenzene			25.0	25.2		ug/L		101	70 - 130	1	20
1,2,3-Trichloropropane			25.0	25.7		ug/L		103	70 - 130	1	20
1,2,4-Trichlorobenzene			25.0	25.2		ug/L		101	70 - 130	1	20
1,2,4-Trimethylbenzene			25.0	23.6		ug/L		94	70 - 130	4	20
1,2-Dibromo-3-Chloropropane			25.0	23.5		ug/L		94	70 - 130	5	20
1,2-Dichlorobenzene			25.0	24.5		ug/L		98	70 - 130	2	20
1,2-Dichloroethane			25.0	24.6		ug/L		98	70 - 130	2	20
1,2-Dichloropropane			25.0	23.9		ug/L		95	70 - 130	7	20
1,3,5-Trimethylbenzene			25.0	23.4		ug/L		94	70 - 130	4	20
1,3-Dichlorobenzene			25.0	24.5		ug/L		98	70 - 130	2	20
1,3-Dichloropropane			25.0	24.8		ug/L		99	70 - 130	4	20
1,4-Dichlorobenzene			25.0	24.5		ug/L		98	70 - 130	1	20
1,4-Dioxane			1000	1110		ug/L		111	70 - 130	2	20
2,2-Dichloropropane			25.0	27.0		ug/L		108	70 - 130	7	20
2-Butanone (MEK)			125	148		ug/L		119	70 - 130	0	20
2-Chlorotoluene			25.0	25.4		ug/L		101	70 - 130	3	20
2-Hexanone			125	102		ug/L		82	70 - 130	2	20
4-Chlorotoluene			25.0	25.4		ug/L		101	70 - 130	3	20
4-Isopropyltoluene			25.0	23.6		ug/L		95	70 - 130	4	20
4-Methyl-2-pentanone (MIBK)			125	98.2		ug/L		79	70 - 130	3	20
Acetone			125	111		ug/L		89	70 - 130	2	20
Benzene			25.0	24.6		ug/L		98	70 - 130	5	20
Bromobenzene			25.0	24.3		ug/L		97	70 - 130	2	20
Bromoform			25.0	26.5		ug/L		106	70 - 130	1	20
Bromomethane			25.0	23.1		ug/L		92	70 - 130	9	20
Carbon disulfide			25.0	27.7		ug/L		111	70 - 130	2	20
Carbon tetrachloride			25.0	25.9		ug/L		104	70 - 130	6	20

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34808-1

Method: 8260C i Oolatrle g rnca(rGCompou(ds /) CIMSD/Co(tr(uedD

Lab Sample \B: LCSB 480i108686lx
MatrnW P aten
F(alNsrs - atGh: 108686

Clre(t Sample \B: Lab Co(tnol Sample Bup
Trep yNpe: yotallAF

F(alNte			Sprke Fdded	LCSB Result	LCSB QualrYen	f (rt	B	5 ReG	5 ReG9 Lrmrts	RTB	RTB Lrmrt
Chlorobenzene			25.0	24.6		ug/L		99	70 - 130	4	20
Chlorobromomethane			25.0	27.2		ug/L		109	70 - 130	4	20
Chlorodibromomethane			25.0	26.0		ug/L		104	70 - 130	1	20
Chloroethane			25.0	22.7		ug/L		91	70 - 130	7	20
Chloroform			25.0	24.9		ug/L		99	70 - 130	6	20
Chloromethane			25.0	18.5		ug/L		74	70 - 130	7	20
cis-1,2-Dichloroethene			25.0	25.5		ug/L		102	70 - 130	6	20
cis-1,3-Dichloropropene			25.0	25.4		ug/L		101	70 - 130	2	20
Dichlorobromomethane			25.0	25.8		ug/L		103	70 - 130	4	20
Dichlorodifluoromethane			50.0	62.4		ug/L		125	70 - 130	9	20
Ethyl ether			25.0	23.7		ug/L		95	70 - 130	4	20
Ethylbenzene			25.0	24.1		ug/L		97	70 - 130	4	20
Ethylene Dibromide			25.0	25.9		ug/L		104	70 - 130	0	20
Hexachlorobutadiene			25.0	22.6		ug/L		90	70 - 130	3	20
Isopropyl ether			25.0	20.0		ug/L		80	70 - 130	4	20
Isopropylbenzene			25.0	23.6		ug/L		95	70 - 130	3	20
Methyl tert-butyl ether			25.0	28.7		ug/L		115	70 - 130	2	20
Methylene Chloride			25.0	25.2		ug/L		101	70 - 130	2	20
m-Xylene & p-Xylene			50.0	49.6		ug/L		99	70 - 130	5	20
Naphthalene			25.0	24.7		ug/L		99	70 - 130	0	20
n-Butylbenzene			25.0	22.8		ug/L		91	70 - 130	5	20
N-Propylbenzene			25.0	22.8		ug/L		91	70 - 130	4	20
o-Xylene			25.0	24.5		ug/L		98	70 - 130	6	20
sec-Butylbenzene			25.0	23.1		ug/L		92	70 - 130	4	20
Styrene			25.0	24.7		ug/L		99	70 - 130	4	20
Tert-amyl methyl ether			25.0	26.6		ug/L		106	70 - 130	2	20
Tert-butyl ethyl ether			25.0	23.6		ug/L		94	70 - 130	3	20
tert-Butylbenzene			25.0	24.1		ug/L		96	70 - 130	4	20
Tetrachloroethene			25.0	24.7		ug/L		99	70 - 130	7	20
Tetrahydrofuran			125	103		ug/L		83	70 - 130	1	20
Toluene			25.0	24.4		ug/L		97	70 - 130	5	20
trans-1,2-Dichloroethene			25.0	25.9		ug/L		104	70 - 130	5	20
trans-1,3-Dichloropropene			25.0	24.5		ug/L		98	70 - 130	3	20
Trichloroethene			25.0	25.9		ug/L		103	70 - 130	4	20
Trichlorofluoromethane			25.0	27.0		ug/L		108	70 - 130	6	20
Vinyl chloride			25.0	23.0		ug/L		92	70 - 130	8	20
Dibromomethane			25.0	26.4		ug/L		106	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*96*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*

Method: 8260C i Oolatrle g rnca(rG Compou(ds /) CIMSD/Co(tr(uedD

Lab Sample \B: 480i. 4808i, MS
MatrnW P aten
F(alNsrs - atGh: 108686

Clre(t Sample \B: MP 102xBi201. 0. 21i01
Trep yNpe: yotallAF

F(alNte	Sample Result	Sample Qualr%en	Sprke Fdded	MS Result	MS Qualr%en	f (rt	B	5 ReG	5 ReG9 Lrmrts
1,1,1,2-Tetrachloroethane	ND		25.0	27.5		ug/L		110	70 - 130
1,1,1-Trichloroethane	ND		25.0	30.0		ug/L		120	70 - 130
1,1,2,2-Tetrachloroethane	ND		25.0	24.0		ug/L		96	70 - 130
1,1,2-Trichloroethane	ND		25.0	25.6		ug/L		102	70 - 130
1,1-Dichloroethane	ND		25.0	27.0		ug/L		108	70 - 130
1,1-Dichloroethene	ND		25.0	29.2		ug/L		117	70 - 130
1,1-Dichloropropene	ND		25.0	28.4		ug/L		114	70 - 130
1,2,3-Trichlorobenzene	ND		25.0	24.8		ug/L		99	70 - 130
1,2,3-Trichloropropane	ND		25.0	26.1		ug/L		104	70 - 130
1,2,4-Trichlorobenzene	ND		25.0	24.7		ug/L		99	70 - 130
1,2,4-Trimethylbenzene	ND		25.0	24.5		ug/L		98	70 - 130
1,2-Dibromo-3-Chloropropane	ND		25.0	23.0		ug/L		92	70 - 130
1,2-Dichlorobenzene	ND		25.0	25.1		ug/L		100	70 - 130
1,2-Dichloroethane	ND		25.0	26.4		ug/L		106	70 - 130
1,2-Dichloropropane	ND		25.0	25.6		ug/L		102	70 - 130
1,3,5-Trimethylbenzene	ND		25.0	24.2		ug/L		97	70 - 130
1,3-Dichlorobenzene	ND		25.0	24.9		ug/L		100	70 - 130
1,3-Dichloropropane	ND		25.0	25.8		ug/L		103	70 - 130
1,4-Dichlorobenzene	ND		25.0	24.5		ug/L		98	70 - 130
1,4-Dioxane	ND		1000	1070		ug/L		107	70 - 130
2,2-Dichloropropane	ND		25.0	27.1		ug/L		108	70 - 130
2-Butanone (MEK)	ND		125	149		ug/L		119	70 - 130
2-Chlorotoluene	ND		25.0	27.0		ug/L		108	70 - 130
2-Hexanone	ND		125	110		ug/L		88	70 - 130
4-Chlorotoluene	ND		25.0	26.4		ug/L		106	70 - 130
4-Isopropyltoluene	ND		25.0	25.2		ug/L		101	70 - 130
4-Methyl-2-pentanone (MIBK)	ND		125	106		ug/L		85	70 - 130
Acetone	ND		125	115		ug/L		92	70 - 130
Benzene	ND		25.0	26.6		ug/L		106	70 - 130
Bromobenzene	ND		25.0	24.9		ug/L		99	70 - 130
Bromoform	ND		25.0	27.6		ug/L		111	70 - 130
Bromomethane	ND		25.0	26.1		ug/L		105	70 - 130
Carbon disulfide	ND		25.0	30.9		ug/L		124	70 - 130
Carbon tetrachloride	ND		25.0	30.9		ug/L		124	70 - 130
Chlorobenzene	ND		25.0	26.5		ug/L		106	70 - 130
Chlorobromomethane	ND		25.0	28.2		ug/L		113	70 - 130
Chlorodibromomethane	ND		25.0	27.1		ug/L		108	70 - 130
Chloroethane	ND		25.0	25.7		ug/L		103	70 - 130
Chloroform	ND		25.0	27.1		ug/L		108	70 - 130
Chloromethane	ND		25.0	21.1		ug/L		84	70 - 130
cis-1,2-Dichloroethene	17		25.0	44.5		ug/L		109	70 - 130
cis-1,3-Dichloropropene	ND		25.0	25.5		ug/L		102	70 - 130
Dichlorobromomethane	ND		25.0	26.9		ug/L		108	70 - 130
Dichlorodifluoromethane	ND	*	50.0	78.5	F	ug/L		157	70 - 130
Ethyl ether	ND		25.0	25.2		ug/L		101	70 - 130
Ethylbenzene	ND		25.0	26.5		ug/L		106	70 - 130
Ethylene Dibromide	ND		25.0	26.7		ug/L		107	70 - 130
Hexachlorobutadiene	ND		25.0	23.2		ug/L		93	70 - 130

Method: 8260C i Oolatrle g rnca(rGCompou(ds /) CIMSD/Co(tr(uedD

Lab Sample \B: 480i. 4808i, MS
MatrnW P aten
F(alNsrs - atGh: 108686

Clre(t Sample \B: MP 102xBi201. 0. 21i01
Trep yNpe: yotallAF

F(alNte	Sample Result	Sample Qualr%en	Sprke Fdded	MS Result	MS Qualr%en	f (rt	B	5 ReG	5 ReG9 Lrmrts		
Isopropyl ether	ND		25.0	21.6		ug/L		86	70 - 130		
Isopropylbenzene	ND		25.0	25.0		ug/L		100	70 - 130		
Methyl tert-butyl ether	ND		25.0	29.7		ug/L		119	70 - 130		
Methylene Chloride	ND		25.0	26.4		ug/L		106	70 - 130		
m-Xylene & p-Xylene	ND		50.0	53.2		ug/L		106	70 - 130		
Naphthalene	ND		25.0	24.5		ug/L		98	70 - 130		
n-Butylbenzene	ND		25.0	23.9		ug/L		96	70 - 130		
N-Propylbenzene	ND		25.0	24.1		ug/L		96	70 - 130		
o-Xylene	ND		25.0	26.4		ug/L		106	70 - 130		
sec-Butylbenzene	ND		25.0	24.8		ug/L		99	70 - 130		
Styrene	ND		25.0	26.2		ug/L		105	70 - 130		
Tert-amyl methyl ether	ND		25.0	28.0		ug/L		112	70 - 130		
Tert-butyl ethyl ether	ND		25.0	25.6		ug/L		102	70 - 130		
tert-Butylbenzene	ND		25.0	25.7		ug/L		103	70 - 130		
Tetrachloroethene	ND		25.0	26.8		ug/L		107	70 - 130		
Tetrahydrofuran	ND		125	110		ug/L		88	70 - 130		
Toluene	ND		25.0	26.2		ug/L		105	70 - 130		
trans-1,2-Dichloroethene	ND		25.0	29.2		ug/L		117	70 - 130		
trans-1,3-Dichloropropene	ND		25.0	24.9		ug/L		100	70 - 130		
Trichloroethene	110		25.0	136	E 4	ug/L		97	70 - 130		
Trichlorofluoromethane	ND		25.0	33.0	F	ug/L		132	70 - 130		
Vinyl chloride	ND		25.0	27.6		ug/L		110	70 - 130		
Dibromomethane	ND		25.0	27.1		ug/L		108	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*

Lab Sample \B: 480i. 4808i, MSB
MatrnW P aten
F(alNsrs - atGh: 108686

Clre(t Sample \B: MP 102xBi201. 0. 21i01
Trep yNpe: yotallAF

F(alNte	Sample Result	Sample Qualr%en	Sprke Fdded	MSB Result	MSB Qualr%en	f (rt	B	5 ReG	5 ReG9 Lrmrts	RTB RTB	RTB Lrmrt
1,1,1,2-Tetrachloroethane	ND		25.0	29.6		ug/L		118	70 - 130	7	20
1,1,1-Trichloroethane	ND		25.0	31.6		ug/L		126	70 - 130	5	20
1,1,2,2-Tetrachloroethane	ND		25.0	25.2		ug/L		101	70 - 130	5	20
1,1,2-Trichloroethane	ND		25.0	27.0		ug/L		108	70 - 130	5	20
1,1-Dichloroethane	ND		25.0	28.8		ug/L		115	70 - 130	6	20
1,1-Dichloroethene	ND		25.0	31.3		ug/L		125	70 - 130	7	20
1,1-Dichloropropene	ND		25.0	30.2		ug/L		121	70 - 130	6	20
1,2,3-Trichlorobenzene	ND		25.0	26.7		ug/L		107	70 - 130	7	20
1,2,3-Trichloropropane	ND		25.0	27.0		ug/L		108	70 - 130	3	20
1,2,4-Trichlorobenzene	ND		25.0	26.4		ug/L		106	70 - 130	6	20
1,2,4-Trimethylbenzene	ND		25.0	26.3		ug/L		105	70 - 130	7	20
1,2-Dibromo-3-Chloropropane	ND		25.0	24.1		ug/L		96	70 - 130	5	20
1,2-Dichlorobenzene	ND		25.0	26.9		ug/L		108	70 - 130	7	20
1,2-Dichloroethane	ND		25.0	27.3		ug/L		109	70 - 130	3	20

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34808-1

Method: 8260C i Oolatrle g rnca(rG Compou(ds /) CIMSD/Co(tr(uedD

Lab Sample \B: 480i. 4808i, MSB
MatrnW P aten
F(alNsrs - atGh: 108686

Clre(t Sample \B: MP 102xBi201. 0. 21i01
Trep yNpe: yotallAF

F(alNte	Sample Result	Sample Qualr%en	Sprke Fdded	MSB Result	MSB Qualr%en	f (rt	B	5 ReG	5 ReG9 Lrmrts	RTB	RTB Lrmrt
1,2-Dichloropropane	ND		25.0	27.3		ug/L		109	70 - 130	7	20
1,3,5-Trimethylbenzene	ND		25.0	25.9		ug/L		104	70 - 130	7	20
1,3-Dichlorobenzene	ND		25.0	26.8		ug/L		107	70 - 130	7	20
1,3-Dichloropropane	ND		25.0	27.3		ug/L		109	70 - 130	6	20
1,4-Dichlorobenzene	ND		25.0	26.7		ug/L		107	70 - 130	9	20
1,4-Dioxane	ND		1000	1130		ug/L		113	70 - 130	5	20
2,2-Dichloropropane	ND		25.0	28.3		ug/L		113	70 - 130	4	20
2-Butanone (MEK)	ND		125	145		ug/L		116	70 - 130	3	20
2-Chlorotoluene	ND		25.0	28.5		ug/L		114	70 - 130	5	20
2-Hexanone	ND		125	104		ug/L		83	70 - 130	6	20
4-Chlorotoluene	ND		25.0	27.9		ug/L		112	70 - 130	5	20
4-Isopropyltoluene	ND		25.0	26.8		ug/L		107	70 - 130	6	20
4-Methyl-2-pentanone (MIBK)	ND		125	102		ug/L		81	70 - 130	4	20
Acetone	ND		125	112		ug/L		90	70 - 130	3	20
Benzene	ND		25.0	28.3		ug/L		113	70 - 130	6	20
Bromobenzene	ND		25.0	26.9		ug/L		108	70 - 130	8	20
Bromoform	ND		25.0	29.8		ug/L		119	70 - 130	8	20
Bromomethane	ND		25.0	28.3		ug/L		113	70 - 130	8	20
Carbon disulfide	ND		25.0	30.1		ug/L		121	70 - 130	3	20
Carbon tetrachloride	ND		25.0	32.4		ug/L		130	70 - 130	5	20
Chlorobenzene	ND		25.0	28.0		ug/L		112	70 - 130	6	20
Chlorobromomethane	ND		25.0	29.7		ug/L		119	70 - 130	5	20
Chlorodibromomethane	ND		25.0	29.1		ug/L		116	70 - 130	7	20
Chloroethane	ND		25.0	27.5		ug/L		110	70 - 130	7	20
Chloroform	ND		25.0	28.6		ug/L		114	70 - 130	5	20
Chloromethane	ND		25.0	22.4		ug/L		90	70 - 130	6	20
cis-1,2-Dichloroethene	17		25.0	47.5		ug/L		121	70 - 130	6	20
cis-1,3-Dichloropropene	ND		25.0	27.2		ug/L		109	70 - 130	6	20
Dichlorobromomethane	ND		25.0	29.1		ug/L		116	70 - 130	8	20
Dichlorodifluoromethane	ND	*	50.0	81.7	F	ug/L		163	70 - 130	4	20
Ethyl ether	ND		25.0	26.1		ug/L		105	70 - 130	4	20
Ethylbenzene	ND		25.0	27.7		ug/L		111	70 - 130	5	20
Ethylene Dibromide	ND		25.0	28.0		ug/L		112	70 - 130	5	20
Hexachlorobutadiene	ND		25.0	25.1		ug/L		100	70 - 130	8	20
Isopropyl ether	ND		25.0	22.3		ug/L		89	70 - 130	3	20
Isopropylbenzene	ND		25.0	26.9		ug/L		108	70 - 130	7	20
Methyl tert-butyl ether	ND		25.0	28.8		ug/L		115	70 - 130	3	20
Methylene Chloride	ND		25.0	28.1		ug/L		112	70 - 130	6	20
m-Xylene & p-Xylene	ND		50.0	56.5		ug/L		113	70 - 130	6	20
Naphthalene	ND		25.0	26.1		ug/L		104	70 - 130	6	20
n-Butylbenzene	ND		25.0	25.5		ug/L		102	70 - 130	7	20
N-Propylbenzene	ND		25.0	25.6		ug/L		102	70 - 130	6	20
o-Xylene	ND		25.0	27.9		ug/L		112	70 - 130	5	20
sec-Butylbenzene	ND		25.0	26.7		ug/L		107	70 - 130	7	20
Styrene	ND		25.0	27.6		ug/L		110	70 - 130	5	20
Tert-amyl methyl ether	ND		25.0	27.9		ug/L		112	70 - 130	0	20
Tert-butyl ethyl ether	ND		25.0	25.5		ug/L		102	70 - 130	0	20
tert-Butylbenzene	ND		25.0	27.4		ug/L		110	70 - 130	6	20

Method: 8260C i Oolatrle g rnca(rG Compou(ds /) CIMSD/Co(tr(uedD

Lab Sample \B: 480i. 4808i, MSB
MatrnW P aten
F(alNsrs - atGh: 108686

Clre(t Sample \B: MP 102xBi201. 0. 21i01
Trep yNpe: yotallAF

F(alNte	Sample Result	Sample Qualr%en	Sprke Fdded	MSB Result	MSB Qualr%en	f (rt	B	5 ReG	5 ReG9 Lrmrts	RTB	RTB Lrmrt
Tetrachloroethene	ND		25.0	28.2		ug/L		113	70 - 130	5	20
Tetrahydrofuran	ND		125	104		ug/L		83	70 - 130	6	20
Toluene	ND		25.0	28.0		ug/L		112	70 - 130	7	20
trans-1,2-Dichloroethene	ND		25.0	30.4		ug/L		122	70 - 130	4	20
trans-1,3-Dichloropropene	ND		25.0	26.8		ug/L		107	70 - 130	7	20
Trichloroethene	110		25.0	141	E 4	ug/L		120	70 - 130	4	20
Trichlorofluoromethane	ND		25.0	34.8	F	ug/L		139	70 - 130	5	20
Vinyl chloride	ND		25.0	28.8		ug/L		115	70 - 130	4	20
Dibromomethane	ND		25.0	28.5		ug/L		114	70 - 130	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*

Lab Sample \B: M- 480i108760l,
MatrnW P aten
F(alNsrs - atGh: 108760

Clre(t Sample \B: Method - la(k
Trep yNpe: yotallAF

F(alNte	M- Result	M- Qualr%en	RL	MBL	f (rt	B	Trepared	F(alNUed	Brl zaG
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			03/25/13 12:18	1
1,1,1-Trichloroethane	ND		1.0		ug/L			03/25/13 12:18	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			03/25/13 12:18	1
1,1,2-Trichloroethane	ND		1.0		ug/L			03/25/13 12:18	1
1,1-Dichloroethane	ND		1.0		ug/L			03/25/13 12:18	1
1,1-Dichloroethene	ND		1.0		ug/L			03/25/13 12:18	1
1,1-Dichloropropene	ND		1.0		ug/L			03/25/13 12:18	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			03/25/13 12:18	1
1,2,3-Trichloropropane	ND		1.0		ug/L			03/25/13 12:18	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/25/13 12:18	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			03/25/13 12:18	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			03/25/13 12:18	1
1,2-Dichlorobenzene	ND		1.0		ug/L			03/25/13 12:18	1
1,2-Dichloroethane	ND		1.0		ug/L			03/25/13 12:18	1
1,2-Dichloropropane	ND		1.0		ug/L			03/25/13 12:18	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			03/25/13 12:18	1
1,3-Dichlorobenzene	ND		1.0		ug/L			03/25/13 12:18	1
1,3-Dichloropropane	ND		1.0		ug/L			03/25/13 12:18	1
1,4-Dichlorobenzene	ND		1.0		ug/L			03/25/13 12:18	1
1,4-Dioxane	ND		50		ug/L			03/25/13 12:18	1
2,2-Dichloropropane	ND		1.0		ug/L			03/25/13 12:18	1
2-Butanone (MEK)	ND		10		ug/L			03/25/13 12:18	1
2-Chlorotoluene	ND		1.0		ug/L			03/25/13 12:18	1
2-Hexanone	ND		10		ug/L			03/25/13 12:18	1
4-Chlorotoluene	ND		1.0		ug/L			03/25/13 12:18	1
4-Isopropyltoluene	ND		1.0		ug/L			03/25/13 12:18	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			03/25/13 12:18	1
Acetone	ND		50		ug/L			03/25/13 12:18	1

Method: 8260C i Oolatrle g rnca(rG Compou(ds /) CIMSD/Co(tr(uedD

Lab Sample \B: M- 480i108760l,
MatrnW P aten
F(alNsrs - atGh: 108760

Clre(t Sample \B: Method - la(k
Trep yNpe: yotallAF

F(alNte	M- Result	M- Qualr%en	RL	MBL	f (rt	B	Tnepared	F(alNUed	Brl zaG
Benzene	ND		1.0		ug/L			03/25/13 12:18	1
Bromobenzene	ND		1.0		ug/L			03/25/13 12:18	1
Bromoform	ND		1.0		ug/L			03/25/13 12:18	1
Bromomethane	ND		2.0		ug/L			03/25/13 12:18	1
Carbon disulfide	ND		10		ug/L			03/25/13 12:18	1
Carbon tetrachloride	ND		1.0		ug/L			03/25/13 12:18	1
Chlorobenzene	ND		1.0		ug/L			03/25/13 12:18	1
Chlorobromomethane	ND		1.0		ug/L			03/25/13 12:18	1
Chlorodibromomethane	ND		0.50		ug/L			03/25/13 12:18	1
Chloroethane	ND		2.0		ug/L			03/25/13 12:18	1
Chloroform	ND		1.0		ug/L			03/25/13 12:18	1
Chloromethane	ND		2.0		ug/L			03/25/13 12:18	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			03/25/13 12:18	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			03/25/13 12:18	1
Dichlorobromomethane	ND		0.50		ug/L			03/25/13 12:18	1
Dichlorodifluoromethane	ND		1.0		ug/L			03/25/13 12:18	1
Ethyl ether	ND		1.0		ug/L			03/25/13 12:18	1
Ethylbenzene	ND		1.0		ug/L			03/25/13 12:18	1
Ethylene Dibromide	ND		1.0		ug/L			03/25/13 12:18	1
Hexachlorobutadiene	ND		0.40		ug/L			03/25/13 12:18	1
Isopropyl ether	ND		10		ug/L			03/25/13 12:18	1
Isopropylbenzene	ND		1.0		ug/L			03/25/13 12:18	1
Methyl tert-butyl ether	ND		1.0		ug/L			03/25/13 12:18	1
Methylene Chloride	ND		1.0		ug/L			03/25/13 12:18	1
m-Xylene & p-Xylene	ND		2.0		ug/L			03/25/13 12:18	1
Naphthalene	ND		5.0		ug/L			03/25/13 12:18	1
n-Butylbenzene	ND		1.0		ug/L			03/25/13 12:18	1
N-Propylbenzene	ND		1.0		ug/L			03/25/13 12:18	1
o-Xylene	ND		1.0		ug/L			03/25/13 12:18	1
sec-Butylbenzene	ND		1.0		ug/L			03/25/13 12:18	1
Styrene	ND		1.0		ug/L			03/25/13 12:18	1
Tert-amyl methyl ether	ND		5.0		ug/L			03/25/13 12:18	1
Tert-butyl ethyl ether	ND		5.0		ug/L			03/25/13 12:18	1
tert-Butylbenzene	ND		1.0		ug/L			03/25/13 12:18	1
Tetrachloroethene	ND		1.0		ug/L			03/25/13 12:18	1
Tetrahydrofuran	ND		10		ug/L			03/25/13 12:18	1
Toluene	ND		1.0		ug/L			03/25/13 12:18	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			03/25/13 12:18	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			03/25/13 12:18	1
Trichloroethene	ND		1.0		ug/L			03/25/13 12:18	1
Trichlorofluoromethane	ND		1.0		ug/L			03/25/13 12:18	1
Vinyl chloride	ND		0.50		ug/L			03/25/13 12:18	1
Dibromomethane	ND		1.0		ug/L			03/25/13 12:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*03/25/13 12:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*03/25/13 12:18*	*1*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*		*03/25/13 12:18*	*1*

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34808-1

Method: 8260C i Oolatrle g rnca(rG Compou(ds /) CIMSD/Co(tr(uedD

Lab Sample VB: LCS 480i108760l4
MatrnW P aten
F(alNsrs - atGh: 108760

Clre(t Sample VB: Lab Co(trol Sample
Trep yNpe: yotallAF

F(alNte	Sprke Fdded	LCS Result	LCS QualrYen	f (rt	B	5 ReG	5 ReG9 Lrmrts
1,1,1,2-Tetrachloroethane	25.0	25.3		ug/L		101	70 - 130
1,1,1-Trichloroethane	25.0	26.6		ug/L		106	70 - 130
1,1,2,2-Tetrachloroethane	25.0	21.6		ug/L		86	70 - 130
1,1,2-Trichloroethane	25.0	23.2		ug/L		93	70 - 130
1,1-Dichloroethane	25.0	23.7		ug/L		95	70 - 130
1,1-Dichloroethene	25.0	26.3		ug/L		105	70 - 130
1,1-Dichloropropene	25.0	25.4		ug/L		101	70 - 130
1,2,3-Trichlorobenzene	25.0	22.9		ug/L		92	70 - 130
1,2,3-Trichloropropane	25.0	23.1		ug/L		92	70 - 130
1,2,4-Trichlorobenzene	25.0	23.0		ug/L		92	70 - 130
1,2,4-Trimethylbenzene	25.0	22.1		ug/L		89	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	21.3		ug/L		85	70 - 130
1,2-Dichlorobenzene	25.0	22.6		ug/L		90	70 - 130
1,2-Dichloroethane	25.0	23.2		ug/L		93	70 - 130
1,2-Dichloropropane	25.0	23.4		ug/L		94	70 - 130
1,3,5-Trimethylbenzene	25.0	21.8		ug/L		87	70 - 130
1,3-Dichlorobenzene	25.0	22.4		ug/L		90	70 - 130
1,3-Dichloropropane	25.0	23.1		ug/L		92	70 - 130
1,4-Dichlorobenzene	25.0	22.1		ug/L		89	70 - 130
1,4-Dioxane	1000	1090		ug/L		109	70 - 130
2,2-Dichloropropane	25.0	27.2		ug/L		109	70 - 130
2-Butanone (MEK)	125	139		ug/L		111	70 - 130
2-Chlorotoluene	25.0	24.1		ug/L		97	70 - 130
2-Hexanone	125	94.2		ug/L		75	70 - 130
4-Chlorotoluene	25.0	23.4		ug/L		94	70 - 130
4-Isopropyltoluene	25.0	22.6		ug/L		90	70 - 130
4-Methyl-2-pentanone (MIBK)	125	92.9		ug/L		74	70 - 130
Acetone	125	102		ug/L		81	70 - 130
Benzene	25.0	24.2		ug/L		97	70 - 130
Bromobenzene	25.0	22.7		ug/L		91	70 - 130
Bromoform	25.0	26.3		ug/L		105	70 - 130
Bromomethane	25.0	23.7		ug/L		95	70 - 130
Carbon disulfide	25.0	23.7		ug/L		95	70 - 130
Carbon tetrachloride	25.0	27.3		ug/L		109	70 - 130
Chlorobenzene	25.0	23.7		ug/L		95	70 - 130
Chlorobromomethane	25.0	26.1		ug/L		105	70 - 130
Chlorodibromomethane	25.0	24.8		ug/L		99	70 - 130
Chloroethane	25.0	23.8		ug/L		95	70 - 130
Chloroform	25.0	24.7		ug/L		99	70 - 130
Chloromethane	25.0	16.7	*	ug/L		67	70 - 130
cis-1,2-Dichloroethene	25.0	25.3		ug/L		101	70 - 130
cis-1,3-Dichloropropene	25.0	24.0		ug/L		96	70 - 130
Dichlorobromomethane	25.0	25.3		ug/L		101	70 - 130
Dichlorodifluoromethane	50.0	63.4		ug/L		127	70 - 130
Ethyl ether	25.0	24.1		ug/L		96	70 - 130
Ethylbenzene	25.0	23.5		ug/L		94	70 - 130
Ethylene Dibromide	25.0	24.4		ug/L		98	70 - 130
Hexachlorobutadiene	25.0	21.8		ug/L		87	70 - 130

Method: 8260C i Oolatrle g rnca(rG Compou(ds /) CIMSD/Co(tr(uedD

Lab Sample \B: LCS 480i108760l4
MatrnW P aten
F(alNsrs - atGh: 108760

Clre(t Sample \B: Lab Co(trol Sample
Trep yNpe: yotallAF

F(alNte			Sprke Fdded	LCS Result	LCS QualrYen	f (rt	B	5 ReG	5 ReG9 Lrmrts		
Isopropyl ether			25.0	19.9		ug/L		80	70 - 130		
Isopropylbenzene			25.0	22.5		ug/L		90	70 - 130		
Methyl tert-butyl ether			25.0	27.8		ug/L		111	70 - 130		
Methylene Chloride			25.0	24.1		ug/L		97	70 - 130		
m-Xylene & p-Xylene			50.0	48.1		ug/L		96	70 - 130		
Naphthalene			25.0	22.5		ug/L		90	70 - 130		
n-Butylbenzene			25.0	21.7		ug/L		87	70 - 130		
N-Propylbenzene			25.0	21.8		ug/L		87	70 - 130		
o-Xylene			25.0	24.0		ug/L		96	70 - 130		
sec-Butylbenzene			25.0	22.0		ug/L		88	70 - 130		
Styrene			25.0	23.4		ug/L		94	70 - 130		
Tert-amyl methyl ether			25.0	25.9		ug/L		103	70 - 130		
Tert-butyl ethyl ether			25.0	22.8		ug/L		91	70 - 130		
tert-Butylbenzene			25.0	22.8		ug/L		91	70 - 130		
Tetrachloroethene			25.0	24.8		ug/L		99	70 - 130		
Tetrahydrofuran			125	97.9		ug/L		78	70 - 130		
Toluene			25.0	23.7		ug/L		95	70 - 130		
trans-1,2-Dichloroethene			25.0	25.6		ug/L		102	70 - 130		
trans-1,3-Dichloropropene			25.0	23.3		ug/L		93	70 - 130		
Trichloroethene			25.0	25.6		ug/L		102	70 - 130		
Trichlorofluoromethane			25.0	28.3		ug/L		113	70 - 130		
Vinyl chloride			25.0	22.5		ug/L		90	70 - 130		
Dibromomethane			25.0	25.0		ug/L		100	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*94*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample \B: LCSB 480i108760lx
MatrnW P aten
F(alNsrs - atGh: 108760

Clre(t Sample \B: Lab Co(trol Sample Bup
Trep yNpe: yotallAF

F(alNte			Sprke Fdded	LCSB Result	LCSB QualrYen	f (rt	B	5 ReG	5 ReG9 Lrmrts	RTB	RTB Lrmrt
1,1,1,2-Tetrachloroethane			25.0	26.0		ug/L		104	70 - 130	3	20
1,1,1-Trichloroethane			25.0	26.4		ug/L		106	70 - 130	1	20
1,1,2,2-Tetrachloroethane			25.0	22.4		ug/L		90	70 - 130	4	20
1,1,2-Trichloroethane			25.0	23.7		ug/L		95	70 - 130	2	20
1,1-Dichloroethane			25.0	23.7		ug/L		95	70 - 130	0	20
1,1-Dichloroethene			25.0	24.8		ug/L		99	70 - 130	6	20
1,1-Dichloropropene			25.0	25.3		ug/L		101	70 - 130	0	20
1,2,3-Trichlorobenzene			25.0	23.6		ug/L		94	70 - 130	3	20
1,2,3-Trichloropropane			25.0	24.4		ug/L		98	70 - 130	6	20
1,2,4-Trichlorobenzene			25.0	24.0		ug/L		96	70 - 130	4	20
1,2,4-Trimethylbenzene			25.0	22.7		ug/L		91	70 - 130	2	20
1,2-Dibromo-3-Chloropropane			25.0	22.0		ug/L		88	70 - 130	3	20
1,2-Dichlorobenzene			25.0	23.3		ug/L		93	70 - 130	3	20
1,2-Dichloroethane			25.0	24.1		ug/L		97	70 - 130	4	20

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34808-1

Method: 8260C i Oolatrle g rnca(rGCompou(ds /) CIMSD/Co(tr(uedD

Lab Sample \B: LCSB 480i108760lx
MatrnW P aten
F(alNsrs - atGh: 108760

Clre(t Sample \B: Lab Co(tnol Sample Bup
Trep yNpe: yotallAF

F(alNte			Sprke Fdded	LCSB Result	LCSB Qualr%en	f (rt	B	5 ReG	5 ReG9 Lrmrts	RTB	RTB Lrmrt
1,2-Dichloropropane			25.0	24.0		ug/L		96	70 - 130	2	20
1,3,5-Trimethylbenzene			25.0	22.3		ug/L		89	70 - 130	2	20
1,3-Dichlorobenzene			25.0	23.3		ug/L		93	70 - 130	4	20
1,3-Dichloropropane			25.0	23.9		ug/L		96	70 - 130	4	20
1,4-Dichlorobenzene			25.0	23.0		ug/L		92	70 - 130	4	20
1,4-Dioxane			1000	1020		ug/L		102	70 - 130	7	20
2,2-Dichloropropane			25.0	27.1		ug/L		108	70 - 130	0	20
2-Butanone (MEK)			125	141		ug/L		113	70 - 130	2	20
2-Chlorotoluene			25.0	24.7		ug/L		99	70 - 130	2	20
2-Hexanone			125	96.6		ug/L		77	70 - 130	2	20
4-Chlorotoluene			25.0	24.0		ug/L		96	70 - 130	2	20
4-Isopropyltoluene			25.0	22.6		ug/L		90	70 - 130	0	20
4-Methyl-2-pentanone (MIBK)			125	93.5		ug/L		75	70 - 130	1	20
Acetone			125	100		ug/L		80	70 - 130	1	20
Benzene			25.0	24.5		ug/L		98	70 - 130	1	20
Bromobenzene			25.0	23.6		ug/L		94	70 - 130	4	20
Bromoform			25.0	27.3		ug/L		109	70 - 130	4	20
Bromomethane			25.0	26.2		ug/L		105	70 - 130	10	20
Carbon disulfide			25.0	24.3		ug/L		97	70 - 130	3	20
Carbon tetrachloride			25.0	26.4		ug/L		105	70 - 130	4	20
Chlorobenzene			25.0	24.1		ug/L		97	70 - 130	2	20
Chlorobromomethane			25.0	27.3		ug/L		109	70 - 130	4	20
Chlorodibromomethane			25.0	26.0		ug/L		104	70 - 130	5	20
Chloroethane			25.0	22.8		ug/L		91	70 - 130	4	20
Chloroform			25.0	25.0		ug/L		100	70 - 130	1	20
Chloromethane			25.0	16.4	*	ug/L		66	70 - 130	2	20
cis-1,2-Dichloroethene			25.0	25.6		ug/L		102	70 - 130	1	20
cis-1,3-Dichloropropene			25.0	25.3		ug/L		101	70 - 130	6	20
Dichlorobromomethane			25.0	26.3		ug/L		105	70 - 130	4	20
Dichlorodifluoromethane			50.0	60.3		ug/L		121	70 - 130	5	20
Ethyl ether			25.0	24.9		ug/L		99	70 - 130	3	20
Ethylbenzene			25.0	23.4		ug/L		94	70 - 130	0	20
Ethylene Dibromide			25.0	24.9		ug/L		99	70 - 130	2	20
Hexachlorobutadiene			25.0	22.1		ug/L		88	70 - 130	1	20
Isopropyl ether			25.0	20.5		ug/L		82	70 - 130	3	20
Isopropylbenzene			25.0	22.5		ug/L		90	70 - 130	0	20
Methyl tert-butyl ether			25.0	28.4		ug/L		114	70 - 130	2	20
Methylene Chloride			25.0	24.7		ug/L		99	70 - 130	2	20
m-Xylene & p-Xylene			50.0	48.6		ug/L		97	70 - 130	1	20
Naphthalene			25.0	23.1		ug/L		93	70 - 130	3	20
n-Butylbenzene			25.0	21.8		ug/L		87	70 - 130	0	20
N-Propylbenzene			25.0	22.0		ug/L		88	70 - 130	1	20
o-Xylene			25.0	24.2		ug/L		97	70 - 130	1	20
sec-Butylbenzene			25.0	22.3		ug/L		89	70 - 130	1	20
Styrene			25.0	24.2		ug/L		97	70 - 130	3	20
Tert-amyl methyl ether			25.0	26.7		ug/L		107	70 - 130	3	20
Tert-butyl ethyl ether			25.0	23.7		ug/L		95	70 - 130	4	20
tert-Butylbenzene			25.0	23.1		ug/L		93	70 - 130	1	20

Method: 8260C i Oolatrle g rnca(rG Compou(ds /) CIMSD/Co(tr(uedD

Lab Sample \B: LCSB 480i108760lx
MatrnW P aten
F(alNsrs - atGh: 108760

Clre(t Sample \B: Lab Co(trnol Sample Bup
Trep yNpe: yotallAF

F(alNte			Sprke Fdded	LCSB Result	LCSB QualrYen	f (rt	B	5 ReG	5 ReG9 Lrnrts	RTB	RTB Lrnrt
Tetrachloroethene			25.0	24.6		ug/L		98	70 - 130	1	20
Tetrahydrofuran			125	97.5		ug/L		78	70 - 130	0	20
Toluene			25.0	24.0		ug/L		96	70 - 130	1	20
trans-1,2-Dichloroethene			25.0	25.4		ug/L		101	70 - 130	1	20
trans-1,3-Dichloropropene			25.0	24.1		ug/L		96	70 - 130	3	20
Trichloroethene			25.0	25.3		ug/L		101	70 - 130	1	20
Trichlorofluoromethane			25.0	27.0		ug/L		108	70 - 130	5	20
Vinyl chloride			25.0	21.5		ug/L		86	70 - 130	5	20
Dibromomethane			25.0	26.1		ug/L		105	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*

Method: x22 Mg B i 134 BroWa(e /) CIMS SWMD

Lab Sample \B: M- 200ix. x04l1iF
MatrnW P aten
F(alNsrs - atGh: x. x17

Clre(t Sample \B: Method - la(k
Trep yNpe: yotallAF
Trep - atGh: x. x04

F(alNte	M- Result	M- QualrYen	RL	MBL	f (rt	B	Trepared	F(alNUed	Brl zaG
1,4-Dioxane	ND		0.20		ug/L		03/27/13 14:05	03/27/13 18:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8 (Surr)	*79*		*70 - 130*	*03/27/13 14:05*	*03/27/13 18:12*	*1*

Lab Sample \B: LCS 200ix. x04l2iF
MatrnW P aten
F(alNsrs - atGh: x. x17

Clre(t Sample \B: Lab Co(trnol Sample
Trep yNpe: yotallAF
Trep - atGh: x. x04

F(alNte			Sprke Fdded	LCS Result	LCS QualrYen	f (rt	B	5 ReG	5 ReG9 Lrnrts		
1,4-Dioxane			8.00	6.67		ug/L		83	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8 (Surr)	*84*		*70 - 130*

GC/MS VOA

Analysis Batch: 108684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34808-6	E / 6036-y06303y6-06	Tota1PRA	/ ater	8yd07	
480-34808-y	E / 6002-y06303y6-06	Tota1PRA	/ ater	8yd07	
480-34808-3	E / 6006E -y06303y6-06	Tota1PRA	/ ater	8yd07	
480-34808-4	E / 60069-y06303y6-06	Tota1PRA	/ ater	8yd07	
480-34808-5	E / 6004-y06303y6-06	Tota1PRA	/ ater	8yd07	
480-34808-d	DBN004-y06303y6-06	Tota1PRA	/ ater	8yd07	
480-34808-8	T900y-y06303y6-06	Tota1PRA	/ ater	8yd07	
U7 j 480-608d84P4	Uab 7 oCtro1j amL1e	Tota1PRA	/ ater	8yd07	
U7 j D 480-608d84P5	Uab 7 oCtro1j amL1e DpL	Tota1PRA	/ ater	8yd07	
E 9 480-608d84Pu	E etMbW9 1aCk	Tota1PRA	/ ater	8yd07	

Analysis Batch: 108686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34808-u	E / 60y5D-y06303y6-06	Tota1PRA	/ ater	8yd07	
480-34808-u E j	E / 60y5D-y06303y6-06	Tota1PRA	/ ater	8yd07	
480-34808-u E j D	E / 60y5D-y06303y6-06	Tota1PRA	/ ater	8yd07	
U7 j 480-608d8dP4	Uab 7 oCtro1j amL1e	Tota1PRA	/ ater	8yd07	
U7 j D 480-608d8dP5	Uab 7 oCtro1j amL1e DpL	Tota1PRA	/ ater	8yd07	
E 9 480-608d8dPu	E etMbW9 1aCk	Tota1PRA	/ ater	8yd07	

Analysis Batch: 108960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34808-u - DU	E / 60y5D-y06303y6-06	Tota1PRA	/ ater	8yd07	
U7 j 480-6082d0P4	Uab 7 oCtro1j amL1e	Tota1PRA	/ ater	8yd07	
U7 j D 480-6082d0P5	Uab 7 oCtro1j amL1e DpL	Tota1PRA	/ ater	8yd07	
E 9 480-6082d0Pu	E etMbW9 1aCk	Tota1PRA	/ ater	8yd07	

Analysis Batch: 108998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34808-u	E / 60y5D-y06303y6-06	Tota1PRA	/ ater	8yd09 j IE	
U7 j 480-608228P3	Uab 7 oCtro1j amL1e	Tota1PRA	/ ater	8yd09 j IE	
U7 j D 480-608228P4	Uab 7 oCtro1j amL1e DpL	Tota1PRA	/ ater	8yd09 j IE	
E 9 480-608228P5	E etMbW9 1aCk	Tota1PRA	/ ater	8yd09 j IE	

GC/MS Semi VOA

Prep Batch: 53504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34808-u	E / 60y5D-y06303y6-06	Tota1PRA	/ ater	3535A	
U7 j y00-53504P7-A	Uab 7 oCtro1j amL1e	Tota1PRA	/ ater	3535A	
E 9 y00-53504P6-A	E etMbW9 1aCk	Tota1PRA	/ ater	3535A	

Analysis Batch: 53519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34808-u	E / 60y5D-y06303y6-06	Tota1PRA	/ ater	5yy E OD	53504
U7 j y00-53504P7-A	Uab 7 oCtro1j amL1e	Tota1PRA	/ ater	5yy E OD	53504
E 9 y00-53504P6-A	E etMbW9 1aCk	Tota1PRA	/ ater	5yy E OD	53504

Client Sample ID: MW1021-30120231-01

Lab Sample ID: 940-29404-1

Date Collecte6: 0273171 2 0x:00

Matri8: Water

Date decei/ e6: 0273371 2 13:20

yrep Rvpe	Tatch Rvpe	Tatch Metho6	dAn	DilAtion zactor	Tatch uAmber	yrepare6 or Bnalvse6	BnalvPt	Lab
TotalPNA	AnalSsis	8yd0C		6	608d84	03RyyR63 6d:23	LH	TAL BUF

Client Sample ID: MW100x-30120231-01

Lab Sample ID: 940-29404-3

Date Collecte6: 0273171 2 10:3N

Matri8: Water

Date decei/ e6: 0273371 2 13:20

yrep Rvpe	Tatch Rvpe	Tatch Metho6	dAn	DilAtion zactor	Tatch uAmber	yrepare6 or Bnalvse6	BnalvPt	Lab
TotalPNA	AnalSsis	8yd0C		6	608d84	03RyyR63 6p:6d	LH	TAL BUF

Client Sample ID: MW1001M-30120231-01

Lab Sample ID: 940-29404-2

Date Collecte6: 0273171 2 11:20

Matri8: Water

Date decei/ e6: 0273371 2 13:20

yrep Rvpe	Tatch Rvpe	Tatch Metho6	dAn	DilAtion zactor	Tatch uAmber	yrepare6 or Bnalvse6	BnalvPt	Lab
TotalPNA	AnalSsis	8yd0C		6	608d84	03RyyR63 6p:40	LH	TAL BUF

Client Sample ID: MW1001T-30120231-01

Lab Sample ID: 940-29404-9

Date Collecte6: 0273171 2 12:10

Matri8: Water

Date decei/ e6: 0273371 2 13:20

yrep Rvpe	Tatch Rvpe	Tatch Metho6	dAn	DilAtion zactor	Tatch uAmber	yrepare6 or Bnalvse6	BnalvPt	Lab
TotalPNA	AnalSsis	8yd0C		6	608d84	03RyyR63 68:04	LH	TAL BUF

Client Sample ID: MW1009-30120231-01

Lab Sample ID: 940-29404-N

Date Collecte6: 0273171 2 12:30

Matri8: Water

Date decei/ e6: 0273371 2 13:20

yrep Rvpe	Tatch Rvpe	Tatch Metho6	dAn	DilAtion zactor	Tatch uAmber	yrepare6 or Bnalvse6	BnalvPt	Lab
TotalPNA	AnalSsis	8yd0C		6	608d84	03RyyR63 68:y8	LH	TAL BUF

Client Sample ID: DFy009-30120231-01

Lab Sample ID: 940-29404-5

Date Collecte6: 0273171 2 11:11

Matri8: Water

Date decei/ e6: 0273371 2 13:20

yrep Rvpe	Tatch Rvpe	Tatch Metho6	dAn	DilAtion zactor	Tatch uAmber	yrepare6 or Bnalvse6	BnalvPt	Lab
TotalPNA	AnalSsis	8yd0C		6	608d84	03RyyR63 68:2y	LH	TAL BUF

Lab Chronicle

Client: ERM-Northeast
7ro1ectP ite: IDj / aSanW

TestAmerica Job ID: 480-34808-6

Client Sample ID: MW103ND-30120231-01

Date Collecte6: 0273171 2 11:2N
Date decei/ e6: 0273371 2 13:20

Lab Sample ID: 940-29404-U

Matri8: Water

yrep Rvpe	Tatch Rvpe	Tatch Metho6	dAn	DilAtion zactor	Tatch uAmber	yrepare6 or Bnalvse6	BnalvPt	Lab
TotalPNA	AnalSsis	8yd0C		6	608d8d	03Ryr63 y0:08	LH	TAL BUF
TotalPNA	AnalSsis	8yd0C	DL	y	6089d0	03Ry2R63 6y:2d	LH	TAL BUF
TotalPNA	AnalSsis	8yd0B j IM		6	608998	03Ry2R63 62:38	TRB	TAL BUF
TotalPNA	7reu	3232A			23204	03RypR63 64:02	JAB	TAL BUR
TotalPNA	AnalSsis	2yy Mf D		6	23269	03RypR63 68:43	RJH	TAL BUR

Client Sample ID: RT003-30120231-01

Date Collecte6: 0273171 2 00:00
Date decei/ e6: 0273371 2 13:20

Lab Sample ID: 940-29404-4

Matri8: Water

yrep Rvpe	Tatch Rvpe	Tatch Metho6	dAn	DilAtion zactor	Tatch uAmber	yrepare6 or Bnalvse6	BnalvPt	Lab
TotalPNA	AnalSsis	8yd0C		6	608d84	03Ryr63 69:62	LH	TAL BUF

Laboratorv deferenceP:

TAL BUF = TestAmerica B5Qalo, 60 HazelwooWDrive, Amherst, NY 64yy8-yy98, TEL (p6d)d96-yd00

TAL BUR = TestAmerica B5rlington, 30 Comm5nitS Drive, j 5ite 66, j o5th B5rlington, VT 02403, TEL (80y)dd0-6990

Certification Summary

Client: ERM-Northeast
7ro1ectP ite: IDj / aSanW

TestAmerica Job ID: 480-34808-6

Laboratory: TestAmerica Buffalo

All certiyications helWbS this laboratorS are listeWd Not all certiyications are af f licable to this ref ortd

Authority	Program	EPA Region	Certification ID	Expiration Date
Ar. ansas DEp	j tate 7rogram	Q	88-0Q8Q	0k-0Q-63
Caliyornia	NELA7	9	66Q9CA	09-30-63
Connecticut	j tate 7rogram	6	7H-05Q8	09-30-64
FloriWa	NELA7	4	E8kQk2	0Q-30-63
Georgia	j tate 7rogram	4	NPA	03-36-63
Georgia	j tate 7rogram	4	95Q	0Q-30-63
Georgia	j tate 7rogram	4	95Q	0Q-30-63
Illinois	NELA7	5	200003	09-30-63
Iowa	j tate 7rogram	k	3k4	03-06-63
Kansas	NELA7	k	E-6068k	06-36-64
Kentuc. S	j tate 7rogram	4	90029	62-36-63
Kentuc. S (Uj T)	j tate 7rogram	4	30	04-06-63
Louisiana	NELA7	Q	02036	0Q-30-63
Maine	j tate 7rogram	6	NY00044	62-04-63
MarSanW	j tate 7rogram	3	294	03-36-63
Massachusetts	j tate 7rogram	6	M-NY044	0Q-30-63
Michigan	j tate 7rogram	5	993k	04-06-63
Minnesota	NELA7	5	03Q-999-33k	62-36-63
New Hamf shire	NELA7	6	29k3	09-66-63
New Hamf shire	NELA7	6	233k	66-6k-63
New JerseS	NELA7	2	NY455	0Q-30-63
New Yor.	NELA7	2	6002Q	03-36-63
North Da. ota	j tate 7rogram	8	R-6kQ	03-36-63
O. lahoma	j tate 7rogram	Q	9426	08-36-63
Oregon	NELA7	60	NY200003	0Q-09-63
7ennsSlvania	NELA7	3	Q8-00286	0k-36-63
RhoWe IslanW	j tate 7rogram	6	LAO00328	62-36-63
Tennessee	j tate 7rogram	4	TN029k0	04-06-63
Texas	NELA7	Q	T604k04462-66-2	0k-36-63
Uj DA	FeWeral		7330-66-0038Q	66-22-64
Virginia	NELA7	3	4Q0685	09-64-63
/ ashington	j tate 7rogram	60	Ck84	02-60-64
/ est Virginia DE7	j tate 7rogram	3	252	09-30-63
/ isconsin	j tate 7rogram	5	998360390	08-36-63

Laboratory: TestAmerica Burlington

All certiyications helWbS this laboratorS are listeWd Not all certiyications are af f licable to this ref ortd

Authority	Program	EPA Region	Certification ID	Expiration Date
Connecticut	j tate 7rogram	6	7H-0k56	09-30-63
DE Hazdj ubstdCleanuf Act (Hj CA)	j tate 7rogram	3	NA	02-63-65
FloriWa	NELA7	4	E8k4Qk	0Q-30-63
L-A-B	DoD ELA7		L233Q	60-2Q-63
Louisiana	NELA7	Q	6kQ292	0Q-30-63
Maine	j tate 7rogram	6	VT00008	04-6k-63
Minnesota	NELA7	5	050-999-43Q	62-36-63
New Hamf shire	NELA7	6	200Q60	62-68-63
New JerseS	NELA7	2	VT9k2	0Q-30-63
New Yor.	NELA7	2	60396	04-06-63
7ennsSlvania	NELA7	3	Q8-00489	04-30-63
RhoWe IslanW	j tate 7rogram	6	LAO00298	62-30-63
Uj DA	FeWeral		7330-66-00093	02-6k-64

Certification Summary

Client: ERM-Northeast
7ro1ectP ite: IDj / aSanW

TestAmerica Job ID: 480-34808-6

Laboratory: TestAmerica Burlington (Continued)

All certiyications helWbS this laboratorS are listeWd Not all certiyications are af f licable to this ref ortd

Authority	Program	EPA Region	Certification ID	Expiration Date
Vermont	j tate 7rogram	6	VT-4000	62-36-63
Virginia	NELA7	3	4Q0209	62-64-63

Method Summary

1 Qel t: nER-MortNeast
hroPectj/ ite: ID/ S aWQal y

TestAmerica Job ID: 480-34808-7

Method	Method Description	Protocol	Laboratory
86d02 / IR	BoQatiQe VrOal ic 1 omgopl ys u(1 jR/ G	/ S 84d	TA) 2L U
86d01	BoQatiQe VrOal ic 1 omgopl ys u(1 jR/ G	RA Dnh	TA) 2L U
F66 RVD	754 Dio, al e u(1 jR/ / IRG	nhA	TA) 2L E

Protocol References:

nhA x L/ nI =irol mel taOhrotectiol AOel cW

RA Dnh x RassacNpsetts Degartmel t Vvn I =irol mel taOhrotectiol

/ S 84d x fTest RetNoys Uor n=aQpatil O/ oQy S aste5h NWsicaQ1 NemicaORetNoysf5TNiry nyitiol 5Mo=ember 7" 8d Al y Its L gyates9

Laboratory References:

TA) 2L U x TestAmerica 2pwaO570 . aHeO2 ooy Dri=e5AmNerst5Mw 74668-66" 85Tn) uY7dQl" 7-6d00

TA) 2L E x TestAmerica 2pr01 Otol 530 1 ommpl itWDri=e5/ pite 775/ optN2pr01 Otol 5BT 0F4035Tn) u806Qld0-7" " 0

Sample Summary

7 1eCt: I n E -RortMeast
NrohectP ite: IDj / aS1aCW

TestAmerica Job ID: 480-34808-6

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-34808-6	E / 6036-y06303y6-06	/ ater	03Ry6R63 0d:00	03RyyR63 6y:30
480-34808-y	E / 600d-y06303y6-06	/ ater	03Ry6R63 60:y2	03RyyR63 6y:30
480-34808-3	E / 6006E -y06303y6-06	/ ater	03Ry6R63 66:30	03RyyR63 6y:30
480-34808-4	E / 60069 -y06303y6-06	/ ater	03Ry6R63 63:60	03RyyR63 6y:30
480-34808-2	E / 6004-y06303y6-06	/ ater	03Ry6R63 63:y0	03RyyR63 6y:30
480-34808-5	DBN004-y06303y6-06	/ ater	03Ry6R63 66:66	03RyyR63 6y:30
480-34808-U	E / 60y2D-y06303y6-06	/ ater	03Ry6R63 66:32	03RyyR63 6y:30
480-34808-8	T900y-y06303y6-06	/ ater	03Ry6R63 00:00	03RyyR63 6y:30

Login Sample Receipt Checklist

Client: ERM-Northeast

Job Number: 480-34808-1

Login Number: 34808
List Number: 1
Creator: Kolb, Chris M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: ERM-Northeast

Job Number: 480-34808-1

Login Number: 34808
List Number: 1
Creator: Marion, Greg T

List Source: TestAmerica Burlington
List Creation: 03/23/13 01:40 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	705391
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.4ºC IR GUN ID 181/CF=0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	Preservation labels on samples match COC
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

Boston Service Center
240 Bear Hill Rd. Suite 104
Waltham, MA 02451
Phone (781) 466-8900 Fax (781) 466-6901

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Stacey Bragg	Lab PM:	Carrier Tracking No(s):	COC No: 22860
Client Contact: Sason Flattery	Phone: 978-875-6426	E-Mail:		Page: 1
Company: ERM				Job #: 480-34808

Address: 1 Beacon St	Due Date Requested:
City: Boston	TAT Requested (days):
State, Zip: MA 02108	Quote #:
Phone: 1-617-447-0757	PO #:
Email: Sason.Flattery@erm.com	WO #:
Project Name/number: Raytheon Wayland 0167058	SSOW#:
Site: Wayland	

Analysis Requested

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; H - Ascorbic Acid; I - Ice; J - DI Water; M - Hexane; N - None; P - Na2O4S; Q - Na2SO3; R - Na2S2SO3; S - H2SO4; Z - other (specify)

Regulatory programs:
MCP [X] GW1/S1 [ ]
RCP [ ] CT RSR [ ]
DEP Form [ ] EDD Required [ ]

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Sampler's Initials	Field Filtered Sample?	Perform MS/MSD?	8260MCP	8260 SIM 1,4 Dioxane	522 1,4 Dioxane	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
MW1031-20130321-01	3/21/13	9.00		W	CC			3				
MW1009-20130321-01	3/21/13	10:25		W	CC			3				
MW1001M-20130321-01	3/21/13	11:30		W	CC			3				
MW1001D-20130321-01	3/21/13	13:10		W	CC			3				
MW1004-20130321-01	3/21/13	13:20		W	SC			3				
DUP004-20130321-01	3/21/13	11:11		W	SC			3				
MW1025D-20130321-01	3/21/13	11:35		W	SB			3	2	1		
MW1025D-20130321-01-MS	3/21/13	11:35		W	SB			3				
MW1025D-20130321-01-MSD	3/21/13	11:35		W	SB			3				
TB002-20130321-01				W				2				

Possible Hazard Identification
[X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [ ] Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
[ ] Return To Client [X] Disposal By Lab [ ] Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Relinquished by:	Date/Time: 3/21/13 15:20	Company: ERM	Received by:	Date/Time: 3/21/13 3:20	Company: TAL
Relinquished by:	Date/Time: 3/21/13 1630	Company: TAL	Received by:	Date/Time: 3/22/13 1230	Company: TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 0.8 ICE #1

TAL-8245-360 1111

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-34934-1
Client Project/Site: IDS Wayland

For:
ERM-Northeast
One Beacon Steet
5th Floor
Boston, Massachusetts 02108

Attn: Jason Flattery

Authorized for release by:
3/29/2013 4:40:35 PM
Steve Hartmann
Lab Director
steve.hartmann@testamericainc.com

Designee for

Becky Mason
Project Manager II
becky.mason@testamericainc.com

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
F	MS or MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34934-1

Job ID: 480-34934-1

Laboratory: TestAmerica Buffalo

Narrative

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 03/23/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.4 C.

1,4-DIOXANE (SIM)

Samples MW1024D-20130322-01 (480-34934-1) and MW1026D-20130322-01 (480-34934-5) were analyzed for 1,4-Dioxane (SIM) in accordance with EPA 522 MOD. The samples were prepared and analyzed on 03/27/2013.

No difficulties were encountered during the 1,4-Dioxane (SIM) analyses.

All quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS SIM)

Samples MW1024D-20130322-01 (480-34934-1) and MW1026D-20130322-01 (480-34934-5) were analyzed for volatile organic compounds (GC-MS SIM) in accordance with EPA SW-846 Method 8260B SIM. The samples were analyzed on 03/26/2013.

No difficulties were encountered during the VOA SIM analyses.

All quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW1024D-20130322-01 (480-34934-1), MW1016D-20130322-01 (480-34934-2), MW1003-20130322-01 (480-34934-3), MW1014-20130322-01 (480-34934-4), MW1026D-20130322-01 (480-34934-5), MW1013-20130322-01 (480-34934-6), MW1002B-20130322-01 (480-34934-7), MW1002M-20130322-01 (480-34934-8) and TB003-20130322-01 (480-34934-9) were analyzed for volatile organic compounds (GC-MS) in accordance with SW846 8260C. The samples were analyzed on 03/25/2013 and 03/26/2013.

The continuing calibration verification (CCV) for Chloromethane associated with batch 109114 recovered above the MCP upper control limit. MCP protocol allows for 20% of the target compounds to be outside the 20% difference but not over 40% difference.

The laboratory control sample (LCS) and / or the laboratory control sample duplicate (LCSD) for batch 108964 exceeded control limits for the following analyte: 2-Butanone (MEK). This is due to the coelution with Ethyl acetate in the mega mix spike solution.

Styrene failed the recovery criteria low for the MS of sample MW1016D-20130322-01MS (480-34934-2) in batch 480-108964. 2-Butanone (MEK) and Dichlorodifluoromethane failed the recovery criteria high for the MSD of sample MW1016D-20130322-01MSD (480-34934-2) in batch 480-108964. Refer to the QC report for details.

With the exception of diluted samples, per question G on the MassDEP Analytical Protocol Certification Form, TestAmerica's routine reporting limits do not achieve the CAM reporting limits specified in this CAM protocol for 1,2-dibromo-3-chloropropane, Carbon Disulfide, Isopropyl Ether, Naphthalene, tert-Butyl Ethyl Ether, tert-Amyl Methyl Ether, & Tetrahydrofuran.

No other difficulties were encountered during the volatile organic compounds (GC-MS) analyses.

All other quality control parameters were within the acceptance limits.

MassDEP Analytical Protocol Certification Form

Laboratory Name: **TestAmerica Buffalo** Project #: **480-34934**

Project Location: **Wayland** RTN:

This form provides certifications for the following data set: list Laboratory Sample ID Number(s):

480-34934-[1-9]

Matrices: [X] Groundwater/Surface Water [ ] Soil/Sediment [ ] Drinking Water [ ] Air [ ] Other:

CAM Protocols (check all that apply below):

8260 VOC CAM II A [X]	7470/7471 Hg CAM III B [ ]	Mass DEP VPH CAM IV A [ ]	8081 Pesticides CAM V B [ ]	7196 Hex Cr CAM VI B [ ]	Mass DEP APH CAM IX A [ ]
8270 SVOC CAM II B [ ]	7010 Metals CAM III C [ ]	Mass DEP EPH CAM IV B [ ]	8151 Herbicides CAM V C [ ]	8330 Explosives CAM VIII A [ ]	TO-15 VOC CAM IX B [ ]
6010 Metals CAM III A [ ]	6020 Metals CAM III D [ ]	8082 PCB CAM V A [ ]	9014 Total Cyanide/PAC CAM VI A [ ]	6860 Perchlorate CAM VIII B [ ]	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding time.	[X] Yes [ ] No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	[X] Yes [ ] No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	[X] Yes [ ] No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	[X] Yes [ ] No
E	a. VPH, EPH and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	[ ] Yes [ ] No [ ] Yes [ ] No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	[X] Yes [ ] No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	[ ] Yes [X] No[1]

***Data User Note:* Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WCS-07-350**

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	[ ] Yes [X] No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s) ?	[X] Yes [ ] No[1]

[1] All negative responses must be addressed in an attached laboratory narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, is accurate and complete.

Signature:  Position: Service Center Manager/Lab Director-TestAmerica Westfield

Printed Name: Steven C. Hartmann Date: 3/29/13 16:37

This form has been electronically signed and approved

Detection Summary

1 Qel t: nER-MortNeast
hroPectj/ ite: ID/ S aWQal y

TestAmerica Job ID: 480-34634-7

Client Sample ID: MW10-2D3-01L0L--301 — ba4 Sample ID: 2803L27L231

Analyte	Result	Qualifier	Rb	MDb	Unit	Dil Fac	D	Method	Prep Type
cis-7d -DicNQroetNel e	73		7.0		ugjL	7		8, 201	TotaQMA
TricNQroetNel e	x3		7.0		ugjL	7		8, 201	TotaQMA
7d4-Dio5al e	0.40		0., 0		ugjL	7		Q , R9 D	TotaQMA

Client Sample ID: MW1016D3-01L0L--301 — ba4 Sample ID: 2803L27L23-

Analyte	Result	Qualifier	Rb	MDb	Unit	Dil Fac	D	Method	Prep Type
cis-7d -DicNQroetNel e	4.7		7.0		ugjL	7		8, 201	TotaQMA
TricNQroetNel e	, 8		7.0		ugjL	7		8, 201	TotaQMA

Client Sample ID: MW100L3-01L0L--301 — ba4 Sample ID: 2803L27L231L

Analyte	Result	Qualifier	Rb	MDb	Unit	Dil Fac	D	Method	Prep Type
cis-7d -DicNQroetNel e	3.,		7.0		ugjL	7		8, 201	TotaQMA
TricNQroetNel e	4.4		7.0		ugjL	7		8, 201	TotaQMA

Client Sample ID: MW10123-01L0L--301 — ba4 Sample ID: 2803L27L232

Analyte	Result	Qualifier	Rb	MDb	Unit	Dil Fac	D	Method	Prep Type
TricNQroetNel e	4.0		7.0		ugjL	7		8, 201	TotaQMA

Client Sample ID: MW10-6D3-01L0L--301 — ba4 Sample ID: 2803L27L235

Analyte	Result	Qualifier	Rb	MDb	Unit	Dil Fac	D	Method	Prep Type
cis-7d -DicNQroetNel e	, .4		7.0		ugjL	7		8, 201	TotaQMA
TricNQroetNel e	76		7.0		ugjL	7		8, 201	TotaQMA
7d4-Dio5al e	0.43		0., 0		ugjL	7		Q , R9 D	TotaQMA

Client Sample ID: MW101L3-01L0L--301 — ba4 Sample ID: 2803L27L236

Mo Detectiol s.

Client Sample ID: MW100-93-01L0L--301 — ba4 Sample ID: 2803L27L233

Mo Detectiol s.

Client Sample ID: MW100-M3-01L0L--301 — ba4 Sample ID: 2803L27L238

Mo Detectiol s.

Client Sample ID: T900L3-01L0L--301 — ba4 Sample ID: 2803L27L237

Mo Detectiol s.

TNs Detectiol / ummarWyoes I ot il cQye rayiocNemicaQest resuQts.

Client Sample ID: 1 M70W4D-W07303WW07
Date Cr llexteo: 03dWW73 70:W0
Date Rexeideo: 03dW3c73 08:30

Lab Sample ID: 480-34634-7
1 at29: M ate2

1 et/ r o: 8Ww0h Sl1 - Vr latile O2ganix Cr mpr unos (GCd S)

Analyte	Result	Qualifie2	RL	1 DL	Unit	D	P2epa2eo	Analyzeo	Dil Fax
7d4-Dio, al e	MD		72		ugjL			03j5. j73 53:53	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
TBA-d9 (Surr)	*120*		*50 - 150*		*03/26/13 23:23*	*1*
Dibromofluoromethane (Surr)	*88*		*50 - 150*		*03/26/13 23:23*	*1*

1 et/ r o: 8Ww0C - Vr latile O2ganix Cr mpr unos (GCd S)

Analyte	Result	Qualifie2	RL	1 DL	Unit	D	P2epa2eo	Analyzeo	Dil Fax
7d7d5-TetracNCroetNal e	MD		720		ugjL			03j59j73 78:99	7
7d7-TricNCroetNal e	MD		720		ugjL			03j59j73 78:99	7
7d5d5-TetracNCroetNal e	MD		0290		ugjL			03j59j73 78:99	7
7d5-TricNCroetNal e	MD		720		ugjL			03j59j73 78:99	7
7d7-DicNCroetNal e	MD		720		ugjL			03j59j73 78:99	7
7d7-DicNCroetNel e	MD		720		ugjL			03j59j73 78:99	7
7d7-DicNCropropel e	MD		720		ugjL			03j59j73 78:99	7
7d5d3-TricNCrobel zel e	MD		720		ugjL			03j59j73 78:99	7
7d5d3-TricNCropropal e	MD		720		ugjL			03j59j73 78:99	7
7d5d4-TricNCrobel zel e	MD		720		ugjL			03j59j73 78:99	7
7d5d4-TrimetNWCel zel e	MD		720		ugjL			03j59j73 78:99	7
7d5-Dibromo-3-1 NCropropal e	MD		920		ugjL			03j59j73 78:99	7
7d5-DicNCrobel zel e	MD		720		ugjL			03j59j73 78:99	7
7d5-DicNCroetNal e	MD		720		ugjL			03j59j73 78:99	7
7d5-DicNCropropal e	MD		720		ugjL			03j59j73 78:99	7
7d8d9-TrimetNWCel zel e	MD		720		ugjL			03j59j73 78:99	7
7d8-DicNCrobel zel e	MD		720		ugjL			03j59j73 78:99	7
7d8-DicNCropropal e	MD		720		ugjL			03j59j73 78:99	7
7d4-DicNCrobel zel e	MD		720		ugjL			03j59j73 78:99	7
7d4-Dio, al e	MD		90		ugjL			03j59j73 78:99	7
5d5-DicNCropropal e	MD		720		ugjL			03j59j73 78:99	7
5-xutal ol e BRn(K	MD	)	70		ugjL			03j59j73 78:99	7
5-1 NCrotoQel e	MD		720		ugjL			03j59j73 78:99	7
5-He, al ol e	MD		70		ugjL			03j59j73 78:99	7
4-1 NCrotoQel e	MD		720		ugjL			03j59j73 78:99	7
4-IsopropWCoQel e	MD		720		ugjL			03j59j73 78:99	7
4-RetNWC5-pel tal ol e BRIx(K	MD		70		ugjL			03j59j73 78:99	7
Acetol e	MD		90		ugjL			03j59j73 78:99	7
xel zel e	MD		720		ugjL			03j59j73 78:99	7
xromobel zel e	MD		720		ugjL			03j59j73 78:99	7
xromoform	MD		720		ugjL			03j59j73 78:99	7
xromometNal e	MD		520		ugjL			03j59j73 78:99	7
1arbol yisuQye	MD		70		ugjL			03j59j73 78:99	7
1arbol tetracNCriye	MD		720		ugjL			03j59j73 78:99	7
1 NCrobel zel e	MD		720		ugjL			03j59j73 78:99	7
1 NCrobromometNal e	MD		720		ugjL			03j59j73 78:99	7
1 NCroyibromometNal e	MD		0290		ugjL			03j59j73 78:99	7
1 NCroetNal e	MD		520		ugjL			03j59j73 78:99	7
1 NCroform	MD		720		ugjL			03j59j73 78:99	7
1 NCrometNal e	MD		520		ugjL			03j59j73 78:99	7
xis-7,WDix/ lr 2r et/ ene	**73**		720		ugjL			03j59j73 78:99	7
cis-7d3-DicNCropropel e	MD		0240		ugjL			03j59j73 78:99	7

Client Sample ID: 1 M70W4D-W07303WW07

Date Cr llexteo: 03dWW73 70:W0
Date Rexeideo: 03dW8c73 08:30

Lab Sample ID: 480-34634-7

1 at29: Mate2

1 et/ r o: 8WW0C - Vr latile O2ganix Cr mpr unos (GCc1 S) (Cr ntinueo)

Analyte	Result	Qualifie2	RL	1 DL	Unit	D	P2epa2eo	Analyzeo	Dil Fax
DicNQrobromometNal e	MD		0290		ugjL			03j59j73 78:99	7
DicNQroyifQoromet Nal e	MD		720		ugjL			03j59j73 78:99	7
ntNWQetNer	MD		720		ugjL			03j59j73 78:99	7
ntNWQel zel e	MD		720		ugjL			03j59j73 78:99	7
ntNWQl e Dibromiye	MD		720		ugjL			03j59j73 78:99	7
He, acNQrobutayiel e	MD		0240		ugjL			03j59j73 78:99	7
IsopropWQetNer	MD		70		ugjL			03j59j73 78:99	7
IsopropWQel zel e	MD		720		ugjL			03j59j73 78:99	7
RetNWQtert-butWQetNer	MD		720		ugjL			03j59j73 78:99	7
RetNWQl e 1 NQriye	MD		720		ugjL			03j59j73 78:99	7
m-XWQl e & p-XWQl e	MD		520		ugjL			03j59j73 78:99	7
MapNtNaQl e	MD		920		ugjL			03j59j73 78:99	7
l -xutWQel zel e	MD		720		ugjL			03j59j73 78:99	7
M-hropWQel zel e	MD		720		ugjL			03j59j73 78:99	7
o-XWQl e	MD		720		ugjL			03j59j73 78:99	7
sec-xutWQel zel e	MD		720		ugjL			03j59j73 78:99	7
/ tWel e	MD		720		ugjL			03j59j73 78:99	7
Tert-amWQmetNWQetNer	MD		920		ugjL			03j59j73 78:99	7
Tert-butWQetNWQetNer	MD		920		ugjL			03j59j73 78:99	7
tert-xutWQel zel e	MD		720		ugjL			03j59j73 78:99	7
TetracNQroetNel e	MD		720		ugjL			03j59j73 78:99	7
TetraNWyrofural	MD		70		ugjL			03j59j73 78:99	7
ToQel e	MD		720		ugjL			03j59j73 78:99	7
tral s-7d5-DicNQroetNel e	MD		720		ugjL			03j59j73 78:99	7
tral s-7d3-DicNQropropel e	MD		0240		ugjL			03j59j73 78:99	7
T2ix/ Ir 2r et/ ene	**. 3**		720		ugjL			03j59j73 78:99	7
TricNQrofQoromet Nal e	MD		720		ugjL			03j59j73 78:99	7
Vil WQcNQriye	MD		0290		ugjL			03j59j73 78:99	7
DibromometNal e	MD		720		ugjL			03j59j73 78:99	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*03/25/13 18:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*		*03/25/13 18:55*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*03/25/13 18:55*	*1*

1 et/ r o: 5WW1 OD - 7,4 Dir 9ane (GCc1 S Sl1)

Analyte	Result	Qualifie2	RL	1 DL	Unit	D	P2epa2eo	Analyzeo	Dil Fax
7,4-Dir 9ane	**0B40**		0250		ugjL		03j5*j73 74:09	03j5*j73 50:07	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8 (Surr)	*76*		*70 - 130*	*03/27/13 14:05*	*03/27/13 20:01*	*1*

Client Sample ID: 1 M707vD-W07303WW07

Date Cr llexteo: 03dWW73 06:75
Date Rexeideo: 03dW8c73 08:30

Lab Sample ID: 480-34634-W

1 at29: Mate2

1 et/ r o: 8WW0C - Vr latile O2ganix Cr mpr unos (GCc1 S)

Analyte	Result	Qualifie2	RL	1 DL	Unit	D	P2epa2eo	Analyzeo	Dil Fax
7d7d7d5-TetracNQroetNal e	MD		720		ugjL			03j59j73 76:78	7
7d7d7-TricNQroetNal e	MD		720		ugjL			03j59j73 76:78	7

Client Sample ID: 1 M707vD-W07303WW07
Date Cr llexteo: 03dWW73 06:75
Date Rexeideo: 03dW3c73 08:30

Lab Sample ID: 480-34634-W
1 at29: Mate2

1 et/ r o: 8WW0C - Vr latile O2ganix Cr mpr unos (GCc1 S) (Cr ntinueo)

Analyte	Result	Qualifie2	RL	1 DL	Unit	D	P2epa2eo	Analyzeo	Dil Fax
7d7d5d5-TetracNQroetNal e	MD		0290		ugjL			03j59j73 76:78	7
7d7d5-TricNQroetNal e	MD		720		ugjL			03j59j73 76:78	7
7d7-DicNQroetNal e	MD		720		ugjL			03j59j73 76:78	7
7d7-DicNQroetNel e	MD		720		ugjL			03j59j73 76:78	7
7d7-DicNQropropel e	MD		720		ugjL			03j59j73 76:78	7
7d5d3-TricNQrobel zel e	MD		720		ugjL			03j59j73 76:78	7
7d5d3-TricNQropropal e	MD		720		ugjL			03j59j73 76:78	7
7d5d4-TricNQrobel zel e	MD		720		ugjL			03j59j73 76:78	7
7d5d4-TrimetNW0el zel e	MD		720		ugjL			03j59j73 76:78	7
7d5-Dibromo-3-1 NQropropal e	MD		920		ugjL			03j59j73 76:78	7
7d5-DicNQrobel zel e	MD		720		ugjL			03j59j73 76:78	7
7d5-DicNQroetNal e	MD		720		ugjL			03j59j73 76:78	7
7d5-DicNQropropal e	MD		720		ugjL			03j59j73 76:78	7
7d8d9-TrimetNW0el zel e	MD		720		ugjL			03j59j73 76:78	7
7d8-DicNQrobel zel e	MD		720		ugjL			03j59j73 76:78	7
7d8-DicNQropropal e	MD		720		ugjL			03j59j73 76:78	7
7d4-DicNQrobel zel e	MD		720		ugjL			03j59j73 76:78	7
7d4-Dio, al e	MD		90		ugjL			03j59j73 76:78	7
5d5-DicNQropropal e	MD		720		ugjL			03j59j73 76:78	7
5-x utal ol e BRn (K	MD	)	70		ugjL			03j59j73 76:78	7
5-1 NQrotoQel e	MD		720		ugjL			03j59j73 76:78	7
5-He, al ol e	MD		70		ugjL			03j59j73 76:78	7
4-1 NQrotoQel e	MD		720		ugjL			03j59j73 76:78	7
4-IsopropW0oQel e	MD		720		ugjL			03j59j73 76:78	7
4-RetNW05-pel tal ol e BRIx (K	MD		70		ugjL			03j59j73 76:78	7
Acetol e	MD		90		ugjL			03j59j73 76:78	7
x el zel e	MD		720		ugjL			03j59j73 76:78	7
x romobel zel e	MD		720		ugjL			03j59j73 76:78	7
x romoform	MD		720		ugjL			03j59j73 76:78	7
x romometNal e	MD		520		ugjL			03j59j73 76:78	7
1 arbol yisuQye	MD		70		ugjL			03j59j73 76:78	7
1 arbol tetracNQriye	MD		720		ugjL			03j59j73 76:78	7
1 NQrobel zel e	MD		720		ugjL			03j59j73 76:78	7
1 NQrobromometNal e	MD		720		ugjL			03j59j73 76:78	7
1 NQroyibromometNal e	MD		0290		ugjL			03j59j73 76:78	7
1 NQroetNal e	MD		520		ugjL			03j59j73 76:78	7
1 NQroform	MD		720		ugjL			03j59j73 76:78	7
1 NQrometNal e	MD		520		ugjL			03j59j73 76:78	7
xis-7,WDix/ lr 2r et/ ene	**4B7**		720		ugjL			03j59j73 76:78	7
cis-7d3-DicNQropropel e	MD		0240		ugjL			03j59j73 76:78	7
DicNQrobromometNal e	MD		0290		ugjL			03j59j73 76:78	7
DicNQroyifQorometNal e	MD		720		ugjL			03j59j73 76:78	7
ntW0etNer	MD		720		ugjL			03j59j73 76:78	7
ntW0el zel e	MD		720		ugjL			03j59j73 76:78	7
ntW0l e Dibromiye	MD		720		ugjL			03j59j73 76:78	7
He, acNQrobutayiel e	MD		0240		ugjL			03j59j73 76:78	7
IsopropW0etNer	MD		70		ugjL			03j59j73 76:78	7
IsopropW0el zel e	MD		720		ugjL			03j59j73 76:78	7
RetNW0ert-butW0etNer	MD		720		ugjL			03j59j73 76:78	7

Client Sample ID: 1 M707vD-W07303WW07

Date Cr llexteo: 03dWW73 06:75
Date Rexeideo: 03dW3c73 08:30

Lab Sample ID: 480-34634-W

1 at29: Mate2

1 et/ r o: 8WW0C - Vr latile O2ganix Cr mpr unos (GCd1 S) (Cr ntinueo)

Analyte	Result	Qualifie2	RL	1 DL	Unit	D	P2epa2eo	Analyzeo	Dil Fax
RetNWel e 1 NCoriye	MD		720		ugjL			03j59j73 76:78	7
m-XWel e & p-XWel e	MD		520		ugjL			03j59j73 76:78	7
MapNtNaCel e	MD		920		ugjL			03j59j73 76:78	7
l -x utWel zel e	MD		720		ugjL			03j59j73 76:78	7
M-hropWel zel e	MD		720		ugjL			03j59j73 76:78	7
o-XWel e	MD		720		ugjL			03j59j73 76:78	7
sec-x utWel zel e	MD		720		ugjL			03j59j73 76:78	7
/ tWel e	MD		720		ugjL			03j59j73 76:78	7
Tert-amWCmetNWCetNer	MD		920		ugjL			03j59j73 76:78	7
Tert-butWCetNWCetNer	MD		920		ugjL			03j59j73 76:78	7
tert-x utWel zel e	MD		720		ugjL			03j59j73 76:78	7
TetracNCroetNel e	MD		720		ugjL			03j59j73 76:78	7
TetraNWyrofural	MD		70		ugjL			03j59j73 76:78	7
ToQel e	MD		720		ugjL			03j59j73 76:78	7
tral s-7d5-DicNCroetNel e	MD		720		ugjL			03j59j73 76:78	7
tral s-7d3-DicNCropropel e	MD		0240		ugjL			03j59j73 76:78	7
T2x/ Ir 2r et/ ene	**W8**		720		ugjL			03j59j73 76:78	7
TricNCrofQoromet Nal e	MD		720		ugjL			03j59j73 76:78	7
Vil WCcNCriye	MD		0290		ugjL			03j59j73 76:78	7
DibromometNal e	MD		720		ugjL			03j59j73 76:78	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*03/25/13 19:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*03/25/13 19:18*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*03/25/13 19:18*	*1*

Client Sample ID: 1 M7003-W07303WW07

Date Cr llexteo: 03dWW73 77:W6
Date Rexeideo: 03dW3c73 08:30

Lab Sample ID: 480-34634-3

1 at29: Mate2

1 et/ r o: 8WW0C - Vr latile O2ganix Cr mpr unos (GCd1 S)

Analyte	Result	Qualifie2	RL	1 DL	Unit	D	P2epa2eo	Analyzeo	Dil Fax
7d7d7d5-TetracNCroetNal e	MD		720		ugjL			03j5. j73 04:39	7
7d7d7-TricNCroetNal e	MD		720		ugjL			03j5. j73 04:39	7
7d7d5d5-TetracNCroetNal e	MD		0290		ugjL			03j5. j73 04:39	7
7d7d5-TricNCroetNal e	MD		720		ugjL			03j5. j73 04:39	7
7d7-DicNCroetNal e	MD		720		ugjL			03j5. j73 04:39	7
7d7-DicNCroetNel e	MD		720		ugjL			03j5. j73 04:39	7
7d7-DicNCropropel e	MD		720		ugjL			03j5. j73 04:39	7
7d5d3-TricNCrobel zel e	MD		720		ugjL			03j5. j73 04:39	7
7d5d3-TricNCropropal e	MD		720		ugjL			03j5. j73 04:39	7
7d5d4-TricNCrobel zel e	MD		720		ugjL			03j5. j73 04:39	7
7d5d4-TrimetNWel zel e	MD		720		ugjL			03j5. j73 04:39	7
7d5-Dibromo-3-1 NCropropal e	MD		920		ugjL			03j5. j73 04:39	7
7d5-DicNCrobel zel e	MD		720		ugjL			03j5. j73 04:39	7
7d5-DicNCroetNal e	MD		720		ugjL			03j5. j73 04:39	7
7d5-DicNCropropal e	MD		720		ugjL			03j5. j73 04:39	7
7d3d9-TrimetNWel zel e	MD		720		ugjL			03j5. j73 04:39	7
7d3-DicNCrobel zel e	MD		720		ugjL			03j5. j73 04:39	7
7d3-DicNCropropal e	MD		720		ugjL			03j5. j73 04:39	7

Client Sample ID: 1 M7003-W07303WW07
Date Cr llexteo: 03dWW73 77:W5
Date Rexeideo: 03dW3c73 08:30

Lab Sample ID: 480-34634-3
1 at29: Mate2

1 et/ r o: 8WW0C - Vr latile O2ganix Cr mpr unos (GCc1 S) (Cr ntinueo)

Analyte	Result	Qualifie2	RL	1 DL	Unit	D	P2epa2eo	Analyzeo	Dil Fax
7d4-DicNQorobel zel e	MD		720		ugjL			03j5. j73 04:39	7
7d4-Dio, al e	MD		90		ugjL			03j5. j73 04:39	7
5d5-DicNQoropropal e	MD		720		ugjL			03j5. j73 04:39	7
5-x utal ol e BRn (K	MD		70		ugjL			03j5. j73 04:39	7
5-1 NQorotQel e	MD		720		ugjL			03j5. j73 04:39	7
5-He, al ol e	MD		70		ugjL			03j5. j73 04:39	7
4-1 NQorotQel e	MD		720		ugjL			03j5. j73 04:39	7
4-IsopropWQoQel e	MD		720		ugjL			03j5. j73 04:39	7
4-RetNW05-pel tal ol e BRIx (K	MD		70		ugjL			03j5. j73 04:39	7
Acetol e	MD		90		ugjL			03j5. j73 04:39	7
x el zel e	MD		720		ugjL			03j5. j73 04:39	7
x romobel zel e	MD		720		ugjL			03j5. j73 04:39	7
x romoform	MD		720		ugjL			03j5. j73 04:39	7
x romometNal e	MD		520		ugjL			03j5. j73 04:39	7
1 arbol yisuQye	MD		70		ugjL			03j5. j73 04:39	7
1 arbol tetracNQoriye	MD		720		ugjL			03j5. j73 04:39	7
1 NQorobel zel e	MD		720		ugjL			03j5. j73 04:39	7
1 NQorobromometNal e	MD		720		ugjL			03j5. j73 04:39	7
1 NQoroyibromometNal e	MD		0290		ugjL			03j5. j73 04:39	7
1 NQoroetNal e	MD		520		ugjL			03j5. j73 04:39	7
1 NQoroform	MD		720		ugjL			03j5. j73 04:39	7
1 NQorometNal e	MD		520		ugjL			03j5. j73 04:39	7
xis-7,WDix/ lr 2r et/ ene	**3BW**		720		ugjL			03j5. j73 04:39	7
cis-7d3-DicNQoropropel e	MD		0240		ugjL			03j5. j73 04:39	7
DicNQorobromometNal e	MD		0290		ugjL			03j5. j73 04:39	7
DicNQoroyifQoorometNal e	MD		720		ugjL			03j5. j73 04:39	7
ntNWQetNer	MD		720		ugjL			03j5. j73 04:39	7
ntNWQel zel e	MD		720		ugjL			03j5. j73 04:39	7
ntNWQl e Dibromiye	MD		720		ugjL			03j5. j73 04:39	7
He, acNQorobutayiel e	MD		0240		ugjL			03j5. j73 04:39	7
IsopropWQetNer	MD		70		ugjL			03j5. j73 04:39	7
IsopropWQel zel e	MD		720		ugjL			03j5. j73 04:39	7
RetNWQtert-butWQetNer	MD		720		ugjL			03j5. j73 04:39	7
RetNWQl e 1 NQoriye	MD		720		ugjL			03j5. j73 04:39	7
m-XWQl e & p-XWQl e	MD		520		ugjL			03j5. j73 04:39	7
MapNtNaQl e	MD		920		ugjL			03j5. j73 04:39	7
l -x utWQel zel e	MD		720		ugjL			03j5. j73 04:39	7
M-hropWQel zel e	MD		720		ugjL			03j5. j73 04:39	7
o-XWQl e	MD		720		ugjL			03j5. j73 04:39	7
sec-x utWQel zel e	MD		720		ugjL			03j5. j73 04:39	7
/ tWel e	MD		720		ugjL			03j5. j73 04:39	7
Tert-amWQmetNWQetNer	MD		920		ugjL			03j5. j73 04:39	7
Tert-butWQetNWQetNer	MD		920		ugjL			03j5. j73 04:39	7
tert-x utWQel zel e	MD		720		ugjL			03j5. j73 04:39	7
TetracNQoroetNel e	MD		720		ugjL			03j5. j73 04:39	7
TetraNWyrofural	MD		70		ugjL			03j5. j73 04:39	7
ToQel e	MD		720		ugjL			03j5. j73 04:39	7
tral s-7d5-DicNQoroetNel e	MD		720		ugjL			03j5. j73 04:39	7
tral s-7d3-DicNQoropropel e	MD		0240		ugjL			03j5. j73 04:39	7

Client Sample ID: 1 M7003-W07303WW07

Date Cr llexteo: 03dWW73 77:W5
Date Rexeideo: 03dW8c73 08:30

Lab Sample ID: 480-34634-3

1 at29: Mate2

1 et/ r o: 8WW0C - Vr latile O2ganix Cr mpr unos (GCc1 S) (Cr ntinueo)

Analyte	Result	Qualifie2	RL	1 DL	Unit	D	P2epa2eo	Analyzeo	Dil Fax
T2x/ Ir 2r et/ ene	4B4		720		ugjL			03j5. j73 04:39	7
TricNQorofQoorometNal e	MD		720		ugjL			03j5. j73 04:39	7
Vil WQcNQriye	MD		0290		ugjL			03j5. j73 04:39	7
DibromometNal e	MD		720		ugjL			03j5. j73 04:39	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*03/26/13 04:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*		*03/26/13 04:35*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*03/26/13 04:35*	*1*

Client Sample ID: 1 M7074-W07303WW07

Date Cr llexteo: 03dWW73 70:55
Date Rexeideo: 03dW8c73 08:30

Lab Sample ID: 480-34634-4

1 at29: Mate2

1 et/ r o: 8WW0C - Vr latile O2ganix Cr mpr unos (GCc1 S)

Analyte	Result	Qualifie2	RL	1 DL	Unit	D	P2epa2eo	Analyzeo	Dil Fax
7d7d7d5-TetracNQroetNal e	MD		720		ugjL			03j5. j73 04:96	7
7d7d7-TricNQroetNal e	MD		720		ugjL			03j5. j73 04:96	7
7d7d5d5-TetracNQroetNal e	MD		0290		ugjL			03j5. j73 04:96	7
7d7d5-TricNQroetNal e	MD		720		ugjL			03j5. j73 04:96	7
7d7-DicNQroetNal e	MD		720		ugjL			03j5. j73 04:96	7
7d7-DicNQroetNel e	MD		720		ugjL			03j5. j73 04:96	7
7d7-DicNQropropel e	MD		720		ugjL			03j5. j73 04:96	7
7d5d3-TricNQrobel zel e	MD		720		ugjL			03j5. j73 04:96	7
7d5d3-TricNQropropal e	MD		720		ugjL			03j5. j73 04:96	7
7d5d4-TricNQrobel zel e	MD		720		ugjL			03j5. j73 04:96	7
7d5d4-TrimetNW0el zel e	MD		720		ugjL			03j5. j73 04:96	7
7d5-Dibromo-3-1 NQropropal e	MD		920		ugjL			03j5. j73 04:96	7
7d5-DicNQrobel zel e	MD		720		ugjL			03j5. j73 04:96	7
7d5-DicNQroetNal e	MD		720		ugjL			03j5. j73 04:96	7
7d5-DicNQropropal e	MD		720		ugjL			03j5. j73 04:96	7
7d8d9-TrimetNW0el zel e	MD		720		ugjL			03j5. j73 04:96	7
7d8-DicNQrobel zel e	MD		720		ugjL			03j5. j73 04:96	7
7d8-DicNQropropal e	MD		720		ugjL			03j5. j73 04:96	7
7d4-DicNQrobel zel e	MD		720		ugjL			03j5. j73 04:96	7
7d4-Dio, al e	MD		90		ugjL			03j5. j73 04:96	7
5d5-DicNQropropal e	MD		720		ugjL			03j5. j73 04:96	7
5-xutal ol e BRn(K	MD		70		ugjL			03j5. j73 04:96	7
5-1 NQrotoQel e	MD		720		ugjL			03j5. j73 04:96	7
5-He, al ol e	MD		70		ugjL			03j5. j73 04:96	7
4-1 NQrotoQel e	MD		720		ugjL			03j5. j73 04:96	7
4-IsopropW0oQel e	MD		720		ugjL			03j5. j73 04:96	7
4-RetNW05-pel tal ol e BRIx(K	MD		70		ugjL			03j5. j73 04:96	7
Acetol e	MD		90		ugjL			03j5. j73 04:96	7
xel zel e	MD		720		ugjL			03j5. j73 04:96	7
xromobel zel e	MD		720		ugjL			03j5. j73 04:96	7
xromoform	MD		720		ugjL			03j5. j73 04:96	7
xromometNal e	MD		520		ugjL			03j5. j73 04:96	7
1arbol yisuQye	MD		70		ugjL			03j5. j73 04:96	7
1arbol tetracNQriye	MD		720		ugjL			03j5. j73 04:96	7

Client Sample ID: 1 M7074-W07303WW07

Lab Sample ID: 480-34634-4

Date Cr llexteo: 03dWW73 70:55

1 at29: Mate2

Date Rexeideo: 03dW8c73 08:30

1 et/ r o: 8WW0C - Vr latile O2ganix Cr mpr unos (GCc1 S) (Cr ntinueo)

Analyte	Result	Qualifie2	RL	1 DL	Unit	D	P2epa2eo	Analyzeo	Dil Fax
1 NQrobel zel e	MD		720		ugjL			03j5. j73 04:96	7
1 NQrobromometNal e	MD		720		ugjL			03j5. j73 04:96	7
1 NQroyibromometNal e	MD		0290		ugjL			03j5. j73 04:96	7
1 NQroetNal e	MD		520		ugjL			03j5. j73 04:96	7
1 NQroform	MD		720		ugjL			03j5. j73 04:96	7
1 NQromometNal e	MD		520		ugjL			03j5. j73 04:96	7
cis-7d5-DicNQroetNel e	MD		720		ugjL			03j5. j73 04:96	7
cis-7d3-DicNQropropel e	MD		0240		ugjL			03j5. j73 04:96	7
DicNQrobromometNal e	MD		0290		ugjL			03j5. j73 04:96	7
DicNQroyifQoromet Nal e	MD		720		ugjL			03j5. j73 04:96	7
ntNWQetNer	MD		720		ugjL			03j5. j73 04:96	7
ntNWQel zel e	MD		720		ugjL			03j5. j73 04:96	7
ntNWQl e Dibromiye	MD		720		ugjL			03j5. j73 04:96	7
He, acNQrobutayiel e	MD		0240		ugjL			03j5. j73 04:96	7
IsopropWQetNer	MD		70		ugjL			03j5. j73 04:96	7
IsopropWQel zel e	MD		720		ugjL			03j5. j73 04:96	7
RetNWQert-butWQetNer	MD		720		ugjL			03j5. j73 04:96	7
RetNWQl e 1 NQriye	MD		720		ugjL			03j5. j73 04:96	7
m-XWQl e & p-XWQl e	MD		520		ugjL			03j5. j73 04:96	7
MapNtNaQl e	MD		920		ugjL			03j5. j73 04:96	7
l -xutWQel zel e	MD		720		ugjL			03j5. j73 04:96	7
M-hropWQel zel e	MD		720		ugjL			03j5. j73 04:96	7
o-XWQl e	MD		720		ugjL			03j5. j73 04:96	7
sec-xutWQel zel e	MD		720		ugjL			03j5. j73 04:96	7
/ tWel e	MD		720		ugjL			03j5. j73 04:96	7
Tert-amWQmetNWQetNer	MD		920		ugjL			03j5. j73 04:96	7
Tert-butWQetNWQetNer	MD		920		ugjL			03j5. j73 04:96	7
tert-xutWQel zel e	MD		720		ugjL			03j5. j73 04:96	7
TetracNQroetNel e	MD		720		ugjL			03j5. j73 04:96	7
TetraNWyrofural	MD		70		ugjL			03j5. j73 04:96	7
ToQel e	MD		720		ugjL			03j5. j73 04:96	7
tral s-7d5-DicNQroetNel e	MD		720		ugjL			03j5. j73 04:96	7
tral s-7d3-DicNQropropel e	MD		0240		ugjL			03j5. j73 04:96	7
T2ix/ Ir 2r et/ ene	**4B**		720		ugjL			03j5. j73 04:96	7
TricNQrofQoromet Nal e	MD		720		ugjL			03j5. j73 04:96	7
Vil WQcNQriye	MD		0290		ugjL			03j5. j73 04:96	7
DibromometNal e	MD		720		ugjL			03j5. j73 04:96	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*03/26/13 04:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*		*03/26/13 04:59*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*03/26/13 04:59*	*1*

Client Sample ID: 1 M70WD-W07303WW07

Lab Sample ID: 480-34634-5

Date Cr llexteo: 03dWW73 77:00

1 at29: Mate2

Date Rexeideo: 03dW8c73 08:30

1 et/ r o: 8WW0h Sl1 - Vr latile O2ganix Cr mpr unos (GCc1 S)

Analyte	Result	Qualifie2	RL	1 DL	Unit	D	P2epa2eo	Analyzeo	Dil Fax
7d4-Dio, al e	MD		72		ugjL			03j5. j73 53:48	7

Client Sample ID: 1 M70WWD-W07303WWW07
Date Cr llexteo: 03dWW73 77:00
Date Rexeideo: 03dW3c73 08:30

Lab Sample ID: 480-34634-5
1 at29: Mate2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
TBA-d9 (Surr)	*125*		*50 - 150*		*03/26/13 23:48*	*1*
Dibromofluoromethane (Surr)	*93*		*50 - 150*		*03/26/13 23:48*	*1*

1 et/ r o: 8WW0C - Vr latile O2ganix Cr mpr unos (GCd1 S)

Analyte	Result	Qualifie2	RL	1 DL	Unit	D	P2epa2eo	Analyzeo	Dil Fax
7d7d5-TetracNCroetNal e	MD		720		ugjL			03j5. j73 09:53	7
7d7d7-TricNCroetNal e	MD		720		ugjL			03j5. j73 09:53	7
7d7d5d5-TetracNCroetNal e	MD		0290		ugjL			03j5. j73 09:53	7
7d7d5-TricNCroetNal e	MD		720		ugjL			03j5. j73 09:53	7
7d7-DicNCroetNal e	MD		720		ugjL			03j5. j73 09:53	7
7d7-DicNCroetNel e	MD		720		ugjL			03j5. j73 09:53	7
7d7-DicNCropropel e	MD		720		ugjL			03j5. j73 09:53	7
7d5d3-TricNCrobel zel e	MD		720		ugjL			03j5. j73 09:53	7
7d5d3-TricNCropropal e	MD		720		ugjL			03j5. j73 09:53	7
7d5d4-TricNCrobel zel e	MD		720		ugjL			03j5. j73 09:53	7
7d5d4-TrimetNWCel zel e	MD		720		ugjL			03j5. j73 09:53	7
7d5-Dibromo-3-1 NCropropal e	MD		920		ugjL			03j5. j73 09:53	7
7d5-DicNCrobel zel e	MD		720		ugjL			03j5. j73 09:53	7
7d5-DicNCroetNal e	MD		720		ugjL			03j5. j73 09:53	7
7d5-DicNCropropal e	MD		720		ugjL			03j5. j73 09:53	7
7d8d9-TrimetNWCel zel e	MD		720		ugjL			03j5. j73 09:53	7
7d8-DicNCrobel zel e	MD		720		ugjL			03j5. j73 09:53	7
7d8-DicNCropropal e	MD		720		ugjL			03j5. j73 09:53	7
7d4-DicNCrobel zel e	MD		720		ugjL			03j5. j73 09:53	7
7d4-Dio, al e	MD		90		ugjL			03j5. j73 09:53	7
5d5-DicNCropropal e	MD		720		ugjL			03j5. j73 09:53	7
5-xutal ol e BRn(K	MD		70		ugjL			03j5. j73 09:53	7
5-1 NCrotoQel e	MD		720		ugjL			03j5. j73 09:53	7
5-He, al ol e	MD		70		ugjL			03j5. j73 09:53	7
4-1 NCrotoQel e	MD		720		ugjL			03j5. j73 09:53	7
4-IsopropWCoQel e	MD		720		ugjL			03j5. j73 09:53	7
4-RetNWC5-pel tal ol e BRIx(K	MD		70		ugjL			03j5. j73 09:53	7
Acetol e	MD		90		ugjL			03j5. j73 09:53	7
xel zel e	MD		720		ugjL			03j5. j73 09:53	7
xromobel zel e	MD		720		ugjL			03j5. j73 09:53	7
xromoform	MD		720		ugjL			03j5. j73 09:53	7
xromometNal e	MD		520		ugjL			03j5. j73 09:53	7
1arbol yisuCye	MD		70		ugjL			03j5. j73 09:53	7
1arbol tetracNCriye	MD		720		ugjL			03j5. j73 09:53	7
1 NCrobel zel e	MD		720		ugjL			03j5. j73 09:53	7
1 NCrobromometNal e	MD		720		ugjL			03j5. j73 09:53	7
1 NCroyibromometNal e	MD		0290		ugjL			03j5. j73 09:53	7
1 NCroetNal e	MD		520		ugjL			03j5. j73 09:53	7
1 NCroform	MD		720		ugjL			03j5. j73 09:53	7
1 NCromometNal e	MD		520		ugjL			03j5. j73 09:53	7
xis-7,WDix/ lr 2r et/ ene	**WB4**		720		ugjL			03j5. j73 09:53	7
cis-7d3-DicNCropropel e	MD		0240		ugjL			03j5. j73 09:53	7
DicNCrobromometNal e	MD		0290		ugjL			03j5. j73 09:53	7
DicNCroyifCoromet Nal e	MD		720		ugjL			03j5. j73 09:53	7
ntNWCetNer	MD		720		ugjL			03j5. j73 09:53	7

Client Sample ID: 1 M70WWD-W07303WWW07

Date Cr llexteo: 03dWW73 77:00
Date Rexeideo: 03dW8c73 08:30

Lab Sample ID: 480-34634-5

1 at29: Mate2

1 et/ r o: 8WW0C - Vr latile O2ganix Cr mpr unos (GCc1 S) (Cr ntinueo)

Analyte	Result	Qualifie2	RL	1 DL	Unit	D	P2epa2eo	Analyzeo	Dil Fax
ntNWQel zel e	MD		720		ugjL			03j5. j73 09:53	7
ntNWQl e Dibromiye	MD		720		ugjL			03j5. j73 09:53	7
He, acNQrobutayiel e	MD		0240		ugjL			03j5. j73 09:53	7
IsopropWQetNer	MD		70		ugjL			03j5. j73 09:53	7
IsopropWQel zel e	MD		720		ugjL			03j5. j73 09:53	7
RetNWQert-butWQetNer	MD		720		ugjL			03j5. j73 09:53	7
RetNWQl e 1 NQriye	MD		720		ugjL			03j5. j73 09:53	7
m-XWQl e & p-XWQl e	MD		520		ugjL			03j5. j73 09:53	7
MapNtNaQel e	MD		920		ugjL			03j5. j73 09:53	7
l -xutWQel zel e	MD		720		ugjL			03j5. j73 09:53	7
M-hropWQel zel e	MD		720		ugjL			03j5. j73 09:53	7
o-XWQl e	MD		720		ugjL			03j5. j73 09:53	7
sec-xutWQel zel e	MD		720		ugjL			03j5. j73 09:53	7
/ tWel e	MD		720		ugjL			03j5. j73 09:53	7
Tert-amWQmetNWQetNer	MD		920		ugjL			03j5. j73 09:53	7
Tert-butWQetNWQetNer	MD		920		ugjL			03j5. j73 09:53	7
tert-xutWQel zel e	MD		720		ugjL			03j5. j73 09:53	7
TetracNQroetNel e	MD		720		ugjL			03j5. j73 09:53	7
TetraNyrofural	MD		70		ugjL			03j5. j73 09:53	7
ToQel e	MD		720		ugjL			03j5. j73 09:53	7
tral s-7d5-DicNQroetNel e	MD		720		ugjL			03j5. j73 09:53	7
tral s-7d3-DicNQropropel e	MD		0240		ugjL			03j5. j73 09:53	7
T2x/ Ir 2r et/ ene	76		720		ugjL			03j5. j73 09:53	7
TricNQrofQoromet Nal e	MD		720		ugjL			03j5. j73 09:53	7
Vil WQcNQriye	MD		0290		ugjL			03j5. j73 09:53	7
DibromometNal e	MD		720		ugjL			03j5. j73 09:53	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*03/26/13 05:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*		*03/26/13 05:23*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*03/26/13 05:23*	*1*

1 et/ r o: 5WW1 OD - 7,4 Dir 9ane (GCc1 S Sl1)

Analyte	Result	Qualifie2	RL	1 DL	Unit	D	P2epa2eo	Analyzeo	Dil Fax
7,4-Dir 9ane	0E43		0250		ugjL		03j5*j73 74:09	03j5*j73 50:7.	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8 (Surr)	*87*		*70 - 130*	*03/27/13 14:05*	*03/27/13 20:16*	*1*

Client Sample ID: 1 M7073-W07303WWW07

Date Cr llexteo: 03dWW73 06:75
Date Rexeideo: 03dW8c73 08:30

Lab Sample ID: 480-34634-v

1 at29: Mate2

1 et/ r o: 8WW0C - Vr latile O2ganix Cr mpr unos (GCc1 S)

Analyte	Result	Qualifie2	RL	1 DL	Unit	D	P2epa2eo	Analyzeo	Dil Fax
7d7d7d5-TetracNQroetNal e	MD		720		ugjL			03j5. j73 09:4.	7
7d7d7-TricNQroetNal e	MD		720		ugjL			03j5. j73 09:4.	7
7d7d5d5-TetracNQroetNal e	MD		0290		ugjL			03j5. j73 09:4.	7
7d7d5-TricNQroetNal e	MD		720		ugjL			03j5. j73 09:4.	7
7d7-DicNQroetNal e	MD		720		ugjL			03j5. j73 09:4.	7

Client Sample ID: 1 M7073-W07303WW07
Date Cr llexteo: 03dWW73 06:75
Date Rexeideo: 03dW3c73 08:30

Lab Sample ID: 480-34634-v
1 at29: Mate2

1 et/ r o: 8WW0C - Vr latile O2ganix Cr mpr unos (GCc1 S) (Cr ntinueo)

Analyte	Result	Qualifie2	RL	1 DL	Unit	D	P2epa2eo	Analyzeo	Dil Fax
7d7-DicNQroetNel e	MD		720		ugjL			03j5. j73 09:4.	7
7d7-DicNQropropel e	MD		720		ugjL			03j5. j73 09:4.	7
7d5d3-TricNQrobel zel e	MD		720		ugjL			03j5. j73 09:4.	7
7d5d3-TricNQropropal e	MD		720		ugjL			03j5. j73 09:4.	7
7d5d4-TricNQrobel zel e	MD		720		ugjL			03j5. j73 09:4.	7
7d5d4-TrimetNWQel zel e	MD		720		ugjL			03j5. j73 09:4.	7
7d5-Dibromo-3-1 NQropropal e	MD		920		ugjL			03j5. j73 09:4.	7
7d5-DicNQrobel zel e	MD		720		ugjL			03j5. j73 09:4.	7
7d5-DicNQroetNal e	MD		720		ugjL			03j5. j73 09:4.	7
7d5-DicNQropropal e	MD		720		ugjL			03j5. j73 09:4.	7
7d8d9-TrimetNWQel zel e	MD		720		ugjL			03j5. j73 09:4.	7
7d8-DicNQrobel zel e	MD		720		ugjL			03j5. j73 09:4.	7
7d8-DicNQropropal e	MD		720		ugjL			03j5. j73 09:4.	7
7d4-DicNQrobel zel e	MD		720		ugjL			03j5. j73 09:4.	7
7d4-Dio, al e	MD		90		ugjL			03j5. j73 09:4.	7
5d5-DicNQropropal e	MD		720		ugjL			03j5. j73 09:4.	7
5-xutal ol e BRn(K	MD		70		ugjL			03j5. j73 09:4.	7
5-1 NQrotoQel e	MD		720		ugjL			03j5. j73 09:4.	7
5-He, al ol e	MD		70		ugjL			03j5. j73 09:4.	7
4-1 NQrotoQel e	MD		720		ugjL			03j5. j73 09:4.	7
4-IsopropWQoQel e	MD		720		ugjL			03j5. j73 09:4.	7
4-RetNWQ5-pel tal ol e BRIx(K	MD		70		ugjL			03j5. j73 09:4.	7
Acetol e	MD		90		ugjL			03j5. j73 09:4.	7
xel zel e	MD		720		ugjL			03j5. j73 09:4.	7
xromobel zel e	MD		720		ugjL			03j5. j73 09:4.	7
xromoform	MD		720		ugjL			03j5. j73 09:4.	7
xromometNal e	MD		520		ugjL			03j5. j73 09:4.	7
1arbol yisuQiye	MD		70		ugjL			03j5. j73 09:4.	7
1arbol tetracNQriye	MD		720		ugjL			03j5. j73 09:4.	7
1 NQrobel zel e	MD		720		ugjL			03j5. j73 09:4.	7
1 NQrobromometNal e	MD		720		ugjL			03j5. j73 09:4.	7
1 NQroyibromometNal e	MD		0290		ugjL			03j5. j73 09:4.	7
1 NQroetNal e	MD		520		ugjL			03j5. j73 09:4.	7
1 NQroform	MD		720		ugjL			03j5. j73 09:4.	7
1 NQrometNal e	MD		520		ugjL			03j5. j73 09:4.	7
cis-7d5-DicNQroetNel e	MD		720		ugjL			03j5. j73 09:4.	7
cis-7d8-DicNQropropel e	MD		0240		ugjL			03j5. j73 09:4.	7
DicNQrobromometNal e	MD		0290		ugjL			03j5. j73 09:4.	7
DicNQroyifQorometNal e	MD		720		ugjL			03j5. j73 09:4.	7
ntWQetNer	MD		720		ugjL			03j5. j73 09:4.	7
ntWQel zel e	MD		720		ugjL			03j5. j73 09:4.	7
ntWQl e Dibromiye	MD		720		ugjL			03j5. j73 09:4.	7
He, acNQrobutayiel e	MD		0240		ugjL			03j5. j73 09:4.	7
IsopropWQetNer	MD		70		ugjL			03j5. j73 09:4.	7
IsopropWQel zel e	MD		720		ugjL			03j5. j73 09:4.	7
RetNWQtert-butWQetNer	MD		720		ugjL			03j5. j73 09:4.	7
RetNWQl e 1 NQriye	MD		720		ugjL			03j5. j73 09:4.	7
m-XWQl e & p-XWQl e	MD		520		ugjL			03j5. j73 09:4.	7
MapNtNaQel e	MD		920		ugjL			03j5. j73 09:4.	7

Client Sample ID: 1 M7073-W07303WW07

Date Cr llexteo: 03dWW73 06:75
Date Rexeideo: 03dW3c73 08:30

Lab Sample ID: 480-34634-v

1 at29: Mate2

1 et/ r o: 8WW0C - Vr latile O2ganix Cr mpr unos (GCc1 S) (Cr ntinueo)

Analyte	Result	Qualifie2	RL	1 DL	Unit	D	P2epa2eo	Analyzeo	Dil Fax
I -x utWQel zel e	MD		720		ugjL			03j5. j73 09:4.	7
M-hropWQel zel e	MD		720		ugjL			03j5. j73 09:4.	7
o-XWQel e	MD		720		ugjL			03j5. j73 09:4.	7
sec-x utWQel zel e	MD		720		ugjL			03j5. j73 09:4.	7
/ tWel e	MD		720		ugjL			03j5. j73 09:4.	7
Tert-amWQmetNWQetNer	MD		920		ugjL			03j5. j73 09:4.	7
Tert-butWQetNWQetNer	MD		920		ugjL			03j5. j73 09:4.	7
tert-x utWQel zel e	MD		720		ugjL			03j5. j73 09:4.	7
TetracNQroetNel e	MD		720		ugjL			03j5. j73 09:4.	7
TetraNWyrofural	MD		70		ugjL			03j5. j73 09:4.	7
ToQel e	MD		720		ugjL			03j5. j73 09:4.	7
tral s-7d5-DicNQroetNel e	MD		720		ugjL			03j5. j73 09:4.	7
tral s-7d3-DicNQropropel e	MD		0240		ugjL			03j5. j73 09:4.	7
TricNQroetNel e	MD		720		ugjL			03j5. j73 09:4.	7
TricNQrof0QorometNal e	MD		720		ugjL			03j5. j73 09:4.	7
Vil WQcNQriye	MD		0290		ugjL			03j5. j73 09:4.	7
DibromometNal e	MD		720		ugjL			03j5. j73 09:4.	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*03/26/13 05:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*03/26/13 05:46*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*03/26/13 05:46*	*1*

Client Sample ID: 1 M700Wh-W07303WW07

Date Cr llexteo: 03dWW73 70:30
Date Rexeideo: 03dW3c73 08:30

Lab Sample ID: 480-34634-.

1 at29: Mate2

1 et/ r o: 8WW0C - Vr latile O2ganix Cr mpr unos (GCc1 S)

Analyte	Result	Qualifie2	RL	1 DL	Unit	D	P2epa2eo	Analyzeo	Dil Fax
7d7d5-TetracNQroetNal e	MD		720		ugjL			03j5. j73 0. :70	7
7d7-TricNQroetNal e	MD		720		ugjL			03j5. j73 0. :70	7
7d5d5-TetracNQroetNal e	MD		0290		ugjL			03j5. j73 0. :70	7
7d5-TricNQroetNal e	MD		720		ugjL			03j5. j73 0. :70	7
7d-DicNQroetNal e	MD		720		ugjL			03j5. j73 0. :70	7
7d-DicNQroetNel e	MD		720		ugjL			03j5. j73 0. :70	7
7d-DicNQropropel e	MD		720		ugjL			03j5. j73 0. :70	7
7d3-TricNQrobel zel e	MD		720		ugjL			03j5. j73 0. :70	7
7d3-TricNQropropal e	MD		720		ugjL			03j5. j73 0. :70	7
7d4-TricNQrobel zel e	MD		720		ugjL			03j5. j73 0. :70	7
7d4-TrimetNWQel zel e	MD		720		ugjL			03j5. j73 0. :70	7
7d5-Dibromo-3-1 NQropropal e	MD		920		ugjL			03j5. j73 0. :70	7
7d5-DicNQrobel zel e	MD		720		ugjL			03j5. j73 0. :70	7
7d5-DicNQroetNal e	MD		720		ugjL			03j5. j73 0. :70	7
7d5-DicNQropropal e	MD		720		ugjL			03j5. j73 0. :70	7
7d8d9-TrimetNWQel zel e	MD		720		ugjL			03j5. j73 0. :70	7
7d8-DicNQrobel zel e	MD		720		ugjL			03j5. j73 0. :70	7
7d8-DicNQropropal e	MD		720		ugjL			03j5. j73 0. :70	7
7d4-DicNQrobel zel e	MD		720		ugjL			03j5. j73 0. :70	7
7d4-Dio, al e	MD		90		ugjL			03j5. j73 0. :70	7
5d5-DicNQropropal e	MD		720		ugjL			03j5. j73 0. :70	7

Client Sample ID: 1 M700Wh-W07303WW07
Date Cr llexteo: 03dWW73 70:30
Date Rexeideo: 03dW3c73 08:30

Lab Sample ID: 480-34634-.
1 at29: Mate2

1 et/ r o: 8WW0C - Vr latile O2ganix Cr mpr unos (GCc1 S) (Cr ntinueo)

Analyte	Result	Qualifie2	RL	1 DL	Unit	D	P2epa2eo	Analyzeo	Dil Fax
5-xutal ol e BRn (K	MD		70		ugjL			03j5. j73 0. :70	7
5-1 NQorotQel e	MD		720		ugjL			03j5. j73 0. :70	7
5-He, al ol e	MD		70		ugjL			03j5. j73 0. :70	7
4-1 NQorotQel e	MD		720		ugjL			03j5. j73 0. :70	7
4-IsopropWQoQel e	MD		720		ugjL			03j5. j73 0. :70	7
4-RetNWC5-pel tal ol e BRIx (K	MD		70		ugjL			03j5. j73 0. :70	7
Acetol e	MD		90		ugjL			03j5. j73 0. :70	7
xel zel e	MD		720		ugjL			03j5. j73 0. :70	7
xromobel zel e	MD		720		ugjL			03j5. j73 0. :70	7
xromoform	MD		720		ugjL			03j5. j73 0. :70	7
xromometNal e	MD		520		ugjL			03j5. j73 0. :70	7
1 arbol yisuQiye	MD		70		ugjL			03j5. j73 0. :70	7
1 arbol tetracNQoriye	MD		720		ugjL			03j5. j73 0. :70	7
1 NQorobel zel e	MD		720		ugjL			03j5. j73 0. :70	7
1 NQorobromometNal e	MD		720		ugjL			03j5. j73 0. :70	7
1 NQoroyibromometNal e	MD		0290		ugjL			03j5. j73 0. :70	7
1 NQoroetNal e	MD		520		ugjL			03j5. j73 0. :70	7
1 NQoroform	MD		720		ugjL			03j5. j73 0. :70	7
1 NQoromometNal e	MD		520		ugjL			03j5. j73 0. :70	7
cis-7d5-DicNQoroetNel e	MD		720		ugjL			03j5. j73 0. :70	7
cis-7d3-DicNQoropropel e	MD		0240		ugjL			03j5. j73 0. :70	7
DicNQorobromometNal e	MD		0290		ugjL			03j5. j73 0. :70	7
DicNQoroyifQoromet Nal e	MD		720		ugjL			03j5. j73 0. :70	7
ntNWQetNer	MD		720		ugjL			03j5. j73 0. :70	7
ntNWQel zel e	MD		720		ugjL			03j5. j73 0. :70	7
ntNWQl e Dibromiye	MD		720		ugjL			03j5. j73 0. :70	7
He, acNQorobutayiel e	MD		0240		ugjL			03j5. j73 0. :70	7
IsopropWQetNer	MD		70		ugjL			03j5. j73 0. :70	7
IsopropWQel zel e	MD		720		ugjL			03j5. j73 0. :70	7
RetNWQtert-butWQetNer	MD		720		ugjL			03j5. j73 0. :70	7
RetNWQl e 1 NQoriye	MD		720		ugjL			03j5. j73 0. :70	7
m-XWQl e & p-XWQl e	MD		520		ugjL			03j5. j73 0. :70	7
MapNtNaQl e	MD		920		ugjL			03j5. j73 0. :70	7
l -xutWQel zel e	MD		720		ugjL			03j5. j73 0. :70	7
M-hropWQel zel e	MD		720		ugjL			03j5. j73 0. :70	7
o-XWQl e	MD		720		ugjL			03j5. j73 0. :70	7
sec-xutWQel zel e	MD		720		ugjL			03j5. j73 0. :70	7
/ tWel e	MD		720		ugjL			03j5. j73 0. :70	7
Tert-amWQmetNWQetNer	MD		920		ugjL			03j5. j73 0. :70	7
Tert-butWQetNWQetNer	MD		920		ugjL			03j5. j73 0. :70	7
tert-xutWQel zel e	MD		720		ugjL			03j5. j73 0. :70	7
TetracNQoroetNel e	MD		720		ugjL			03j5. j73 0. :70	7
TetraNWyrofural	MD		70		ugjL			03j5. j73 0. :70	7
ToQel e	MD		720		ugjL			03j5. j73 0. :70	7
tral s-7d5-DicNQoroetNel e	MD		720		ugjL			03j5. j73 0. :70	7
tral s-7d3-DicNQoropropel e	MD		0240		ugjL			03j5. j73 0. :70	7
TricNQoroetNel e	MD		720		ugjL			03j5. j73 0. :70	7
TricNQorofQoromet Nal e	MD		720		ugjL			03j5. j73 0. :70	7
Vil WQcNQoriye	MD		0290		ugjL			03j5. j73 0. :70	7

Client Sample ID: 1 M700Wh-W07303WW07

Date Cr llexteo: 03dWW73 70:30
Date Rexeideo: 03dW3c73 08:30

Lab Sample ID: 480-34634-.

1 at29: Mate2

1 et/ r o: 8WW0C - Vr latile O2ganix Cr mpr unos (GCc1 S) (Cr ntinueo)

Analyte	Result	Qualifie2	RL	1 DL	Unit	D	P2epa2eo	Analyzeo	Dil Fax
DibromometNal e	MD		720		ugjL			03j5. j73 0. :70	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*03/26/13 06:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*		*03/26/13 06:10*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*03/26/13 06:10*	*1*

Client Sample ID: 1 M700Wl -W07303WW07

Date Cr llexteo: 03dWW73 08:45
Date Rexeideo: 03dW3c73 08:30

Lab Sample ID: 480-34634-8

1 at29: Mate2

1 et/ r o: 8WW0C - Vr latile O2ganix Cr mpr unos (GCc1 S)

Analyte	Result	Qualifie2	RL	1 DL	Unit	D	P2epa2eo	Analyzeo	Dil Fax
7d7d5-TetracNOroetNal e	MD		720		ugjL			03j5. j73 0. :34	7
7d7d7-TricNOroetNal e	MD		720		ugjL			03j5. j73 0. :34	7
7d7d5d5-TetracNOroetNal e	MD		0290		ugjL			03j5. j73 0. :34	7
7d7d5-TricNOroetNal e	MD		720		ugjL			03j5. j73 0. :34	7
7d7-DicNOroetNal e	MD		720		ugjL			03j5. j73 0. :34	7
7d7-DicNOroetNel e	MD		720		ugjL			03j5. j73 0. :34	7
7d7-DicNOropropel e	MD		720		ugjL			03j5. j73 0. :34	7
7d5d3-TricNOrobel zel e	MD		720		ugjL			03j5. j73 0. :34	7
7d5d3-TricNOropropal e	MD		720		ugjL			03j5. j73 0. :34	7
7d5d4-TricNOrobel zel e	MD		720		ugjL			03j5. j73 0. :34	7
7d5d4-TrimetNWOel zel e	MD		720		ugjL			03j5. j73 0. :34	7
7d5-Dibromo-3-1 NOropropal e	MD		920		ugjL			03j5. j73 0. :34	7
7d5-DicNOrobel zel e	MD		720		ugjL			03j5. j73 0. :34	7
7d5-DicNOroetNal e	MD		720		ugjL			03j5. j73 0. :34	7
7d5-DicNOropropal e	MD		720		ugjL			03j5. j73 0. :34	7
7d8d9-TrimetNWOel zel e	MD		720		ugjL			03j5. j73 0. :34	7
7d8-DicNOrobel zel e	MD		720		ugjL			03j5. j73 0. :34	7
7d8-DicNOropropal e	MD		720		ugjL			03j5. j73 0. :34	7
7d4-DicNOrobel zel e	MD		720		ugjL			03j5. j73 0. :34	7
7d4-Dio, al e	MD		90		ugjL			03j5. j73 0. :34	7
5d5-DicNOropropal e	MD		720		ugjL			03j5. j73 0. :34	7
5-x utal ol e BRn (K	MD		70		ugjL			03j5. j73 0. :34	7
5-1 NOrotoQel e	MD		720		ugjL			03j5. j73 0. :34	7
5-He, al ol e	MD		70		ugjL			03j5. j73 0. :34	7
4-1 NOrotoQel e	MD		720		ugjL			03j5. j73 0. :34	7
4-IsopropWoQel e	MD		720		ugjL			03j5. j73 0. :34	7
4-RetNW5-pel tal ol e BRIx (K	MD		70		ugjL			03j5. j73 0. :34	7
Acetol e	MD		90		ugjL			03j5. j73 0. :34	7
x el zel e	MD		720		ugjL			03j5. j73 0. :34	7
x romobel zel e	MD		720		ugjL			03j5. j73 0. :34	7
x romoform	MD		720		ugjL			03j5. j73 0. :34	7
x romometNal e	MD		520		ugjL			03j5. j73 0. :34	7
1 arbol yisuQlye	MD		70		ugjL			03j5. j73 0. :34	7
1 arbol tetracNOriye	MD		720		ugjL			03j5. j73 0. :34	7
1 NOrobel zel e	MD		720		ugjL			03j5. j73 0. :34	7
1 NOrobromometNal e	MD		720		ugjL			03j5. j73 0. :34	7
1 NOroyibromometNal e	MD		0290		ugjL			03j5. j73 0. :34	7

Client Sample ID: 1 M700W -W07303WW07
Lab Sample ID: 480-34634-8
Date Cr llexteo: 03dWW73 08:45
1 at29: Mate2
Date Rexeideo: 03dW3c73 08:30

1 et/ r o: 8WW0C - Vr latile O2ganix Cr mpr unos (GCc1 S) (Cr ntinueo)

Analyte	Result	Qualifie2	RL	1 DL	Unit	D	P2epa2eo	Analyzeo	Dil Fax
1 NQroetNal e	MD		520		ugjL			03j5. j73 0. :34	7
1 NQroform	MD		720		ugjL			03j5. j73 0. :34	7
1 NQrometNal e	MD		520		ugjL			03j5. j73 0. :34	7
cis-7d5-DicNQroetNel e	MD		720		ugjL			03j5. j73 0. :34	7
cis-7d3-DicNQropropel e	MD		0240		ugjL			03j5. j73 0. :34	7
DicNQrobromometNal e	MD		0290		ugjL			03j5. j73 0. :34	7
DicNQroyifQoromet Nal e	MD		720		ugjL			03j5. j73 0. :34	7
ntNWQetNer	MD		720		ugjL			03j5. j73 0. :34	7
ntNWQel zel e	MD		720		ugjL			03j5. j73 0. :34	7
ntNWQel e Dibromiye	MD		720		ugjL			03j5. j73 0. :34	7
He, acNQrobutayiel e	MD		0240		ugjL			03j5. j73 0. :34	7
IsopropWQetNer	MD		70		ugjL			03j5. j73 0. :34	7
IsopropWQel zel e	MD		720		ugjL			03j5. j73 0. :34	7
RetNWQtert-butWQetNer	MD		720		ugjL			03j5. j73 0. :34	7
RetNWQel e 1 NQriye	MD		720		ugjL			03j5. j73 0. :34	7
m-XWQel e & p-XWQel e	MD		520		ugjL			03j5. j73 0. :34	7
MapNtNaQel e	MD		920		ugjL			03j5. j73 0. :34	7
l -x utWQel zel e	MD		720		ugjL			03j5. j73 0. :34	7
M-hropWQel zel e	MD		720		ugjL			03j5. j73 0. :34	7
o-XWQel e	MD		720		ugjL			03j5. j73 0. :34	7
sec-x utWQel zel e	MD		720		ugjL			03j5. j73 0. :34	7
/ tWel e	MD		720		ugjL			03j5. j73 0. :34	7
Tert-amWQmetNWQetNer	MD		920		ugjL			03j5. j73 0. :34	7
Tert-butWQetNWQetNer	MD		920		ugjL			03j5. j73 0. :34	7
tert-x utWQel zel e	MD		720		ugjL			03j5. j73 0. :34	7
TetracNQroetNel e	MD		720		ugjL			03j5. j73 0. :34	7
TetraNWyrofural	MD		70		ugjL			03j5. j73 0. :34	7
ToQel e	MD		720		ugjL			03j5. j73 0. :34	7
tral s-7d5-DicNQroetNel e	MD		720		ugjL			03j5. j73 0. :34	7
tral s-7d3-DicNQropropel e	MD		0240		ugjL			03j5. j73 0. :34	7
TricNQroetNel e	MD		720		ugjL			03j5. j73 0. :34	7
TricNQrofQoromet Nal e	MD		720		ugjL			03j5. j73 0. :34	7
Vil WQcNQriye	MD		0290		ugjL			03j5. j73 0. :34	7
DibromometNal e	MD		720		ugjL			03j5. j73 0. :34	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*03/26/13 06:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*03/26/13 06:34*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*03/26/13 06:34*	*1*

Client Sample ID: Th003-W07303WW07
Lab Sample ID: 480-34634-6
Date Cr llexteo: 03dWW73 00:00
1 at29: Mate2
Date Rexeideo: 03dW3c73 08:30

1 et/ r o: 8WW0C - Vr latile O2ganix Cr mpr unos (GCc1 S)

Analyte	Result	Qualifie2	RL	1 DL	Unit	D	P2epa2eo	Analyzeo	Dil Fax
7d7d7d5-TetracNQroetNal e	MD		720		ugjL			03j5. j73 0. :98	7
7d7d7-TricNQroetNal e	MD		720		ugjL			03j5. j73 0. :98	7
7d7d5d5-TetracNQroetNal e	MD		0290		ugjL			03j5. j73 0. :98	7
7d7d5-TricNQroetNal e	MD		720		ugjL			03j5. j73 0. :98	7

Client Sample ID: Th003-W07303WW07
Date Cr llexteo: 03dWW73 00:00
Date Rexeideo: 03dW3c73 08:30

Lab Sample ID: 480-34634-6
1 at29: Mate2

1 et/ r o: 8WW0C - Vr latile O2ganix Cr mpr unos (GCc1 S) (Cr ntinueo)

Analyte	Result	Qualifie2	RL	1 DL	Unit	D	P2epa2eo	Analyzeo	Dil Fax
7d7-DicNQroetNal e	MD		720		ugjL			03j5. j73 0. :98	7
7d7-DicNQroetNel e	MD		720		ugjL			03j5. j73 0. :98	7
7d7-DicNQropropel e	MD		720		ugjL			03j5. j73 0. :98	7
7d5d3-TricNQrobel zel e	MD		720		ugjL			03j5. j73 0. :98	7
7d5d3-TricNQropropal e	MD		720		ugjL			03j5. j73 0. :98	7
7d5d4-TricNQrobel zel e	MD		720		ugjL			03j5. j73 0. :98	7
7d5d4-TrimetNWQel zel e	MD		720		ugjL			03j5. j73 0. :98	7
7d5-Dibromo-3-1 NQropropal e	MD		920		ugjL			03j5. j73 0. :98	7
7d5-DicNQrobel zel e	MD		720		ugjL			03j5. j73 0. :98	7
7d5-DicNQroetNal e	MD		720		ugjL			03j5. j73 0. :98	7
7d5-DicNQropropal e	MD		720		ugjL			03j5. j73 0. :98	7
7d8d9-TrimetNWQel zel e	MD		720		ugjL			03j5. j73 0. :98	7
7d8-DicNQrobel zel e	MD		720		ugjL			03j5. j73 0. :98	7
7d8-DicNQropropal e	MD		720		ugjL			03j5. j73 0. :98	7
7d4-DicNQrobel zel e	MD		720		ugjL			03j5. j73 0. :98	7
7d4-Dio, al e	MD		90		ugjL			03j5. j73 0. :98	7
5d5-DicNQropropal e	MD		720		ugjL			03j5. j73 0. :98	7
5-xutal ol e BRn(K	MD		70		ugjL			03j5. j73 0. :98	7
5-1 NQrotoQel e	MD		720		ugjL			03j5. j73 0. :98	7
5-He, al ol e	MD		70		ugjL			03j5. j73 0. :98	7
4-1 NQrotoQel e	MD		720		ugjL			03j5. j73 0. :98	7
4-IsopropWQoQel e	MD		720		ugjL			03j5. j73 0. :98	7
4-RetNWQ5-pel tal ol e BRIx(K	MD		70		ugjL			03j5. j73 0. :98	7
Acetol e	MD		90		ugjL			03j5. j73 0. :98	7
xel zel e	MD		720		ugjL			03j5. j73 0. :98	7
xromobel zel e	MD		720		ugjL			03j5. j73 0. :98	7
xromoform	MD		720		ugjL			03j5. j73 0. :98	7
xromometNal e	MD		520		ugjL			03j5. j73 0. :98	7
1arbol yisuQiye	MD		70		ugjL			03j5. j73 0. :98	7
1arbol tetracNQriye	MD		720		ugjL			03j5. j73 0. :98	7
1 NQrobel zel e	MD		720		ugjL			03j5. j73 0. :98	7
1 NQrobromometNal e	MD		720		ugjL			03j5. j73 0. :98	7
1 NQroyibromometNal e	MD		0290		ugjL			03j5. j73 0. :98	7
1 NQroetNal e	MD		520		ugjL			03j5. j73 0. :98	7
1 NQroform	MD		720		ugjL			03j5. j73 0. :98	7
1 NQrometNal e	MD		520		ugjL			03j5. j73 0. :98	7
cis-7d5-DicNQroetNel e	MD		720		ugjL			03j5. j73 0. :98	7
cis-7d8-DicNQropropel e	MD		0240		ugjL			03j5. j73 0. :98	7
DicNQrobromometNal e	MD		0290		ugjL			03j5. j73 0. :98	7
DicNQroyifQorometNal e	MD		720		ugjL			03j5. j73 0. :98	7
ntWQetNer	MD		720		ugjL			03j5. j73 0. :98	7
ntWQel zel e	MD		720		ugjL			03j5. j73 0. :98	7
ntWQl e Dibromiye	MD		720		ugjL			03j5. j73 0. :98	7
He, acNQrobutayiel e	MD		0240		ugjL			03j5. j73 0. :98	7
IsopropWQetNer	MD		70		ugjL			03j5. j73 0. :98	7
IsopropWQel zel e	MD		720		ugjL			03j5. j73 0. :98	7
RetNWQtert-butWQetNer	MD		720		ugjL			03j5. j73 0. :98	7
RetNWQl e 1 NQriye	MD		720		ugjL			03j5. j73 0. :98	7
m-XWQel e & p-XWQel e	MD		520		ugjL			03j5. j73 0. :98	7

1 Qel t: nER-MortNeast
hroPectj/ ite: ID/ S aWQal y

TestAmerica Job ID: 480-34634-7

Client Sample ID: Th 003-W07303WW07
Date Cr llexteo: 03dWW73 00:00
Date Rexeideo: 03dW3c73 08:30

Lab Sample ID: 480-34634-6
1 at29: Mate2

1 et/ r o: 8WW0C - Vr latile O2ganix Cr mpr unos (GCc1 S) (Cr ntinueo)

Analyte	Result	Qualifie2	RL	1 DL	Unit	D	P2epa2eo	Analyzeo	Dil Fax
MapNtNaGel e	MD		920		ugjL			03j5. j73 0. :98	7
l -xutWQel zel e	MD		720		ugjL			03j5. j73 0. :98	7
M-hropWQel zel e	MD		720		ugjL			03j5. j73 0. :98	7
o-XWQl e	MD		720		ugjL			03j5. j73 0. :98	7
sec-xutWQel zel e	MD		720		ugjL			03j5. j73 0. :98	7
/ tWel e	MD		720		ugjL			03j5. j73 0. :98	7
Tert-amWQmetNWQetNer	MD		920		ugjL			03j5. j73 0. :98	7
Tert-butWQetNWQetNer	MD		920		ugjL			03j5. j73 0. :98	7
tert-xutWQel zel e	MD		720		ugjL			03j5. j73 0. :98	7
TetracNQroetNel e	MD		720		ugjL			03j5. j73 0. :98	7
TetraNWyrofural	MD		70		ugjL			03j5. j73 0. :98	7
ToQel e	MD		720		ugjL			03j5. j73 0. :98	7
tral s-7d5-DicNQroetNel e	MD		720		ugjL			03j5. j73 0. :98	7
tral s-7d3-DicNQropropel e	MD		0240		ugjL			03j5. j73 0. :98	7
TricNQroetNel e	MD		720		ugjL			03j5. j73 0. :98	7
TricNQrofQorometNal e	MD		720		ugjL			03j5. j73 0. :98	7
Vil WQcNQriye	MD		0290		ugjL			03j5. j73 0. :98	7
DibromometNal e	MD		720		ugjL			03j5. j73 0. :98	7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*70 - 130*		*03/26/13 06:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*		*03/26/13 06:58*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*03/26/13 06:58*	*1*

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	BA-d9 (Sur (50-150)	DBFM (50-150)								
480-34934-1	MW1024D-20130322-01	120	88								
480-34934-5	MW1026D-20130322-01	125	93								
LCS 480-109279/3	Lab Control Sample	131	87								
LCSD 480-109279/4	Lab Control Sample Dup	125	87								
MB 480-109279/5	Method Blank	135	86								

Surrogate Legend

TBA-d9 (Surr) = TBA-d9 (Surr)

DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	TOL (70-130)	12DCE (70-130)	BFB (70-130)							
480-34934-1	MW1024D-20130322-01	96	93	101							
480-34934-2	MW1016D-20130322-01	96	96	101							
480-34934-2 MS	MW1016D-20130322-01	97	93	101							
480-34934-2 MSD	MW1016D-20130322-01	96	90	102							
480-34934-3	MW1003-20130322-01	97	93	102							
480-34934-4	MW1014-20130322-01	96	93	100							
480-34934-5	MW1026D-20130322-01	96	93	99							
480-34934-6	MW1013-20130322-01	95	94	100							
480-34934-7	MW1002B-20130322-01	96	93	101							
480-34934-8	MW1002M-20130322-01	96	95	101							
480-34934-9	TB003-20130322-01	93	93	97							
LCS 480-108964/4	Lab Control Sample	96	90	102							
LCS 480-109114/4	Lab Control Sample	97	91	102							
LCSD 480-108964/5	Lab Control Sample Dup	96	92	102							
LCSD 480-109114/5	Lab Control Sample Dup	96	91	100							
MB 480-108964/7	Method Blank	96	94	99							
MB 480-109114/7	Method Blank	97	93	99							

Surrogate Legend

TOL = Toluene-d8 (Surr)

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

Method: 522 MOD - 1,4 Dioxane (GC/MS SIM)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	14DD8 (70-130)									
480-34934-1	MW1024D-20130322-01	76									
480-34934-5	MW1026D-20130322-01	87									
LCS 200-53504/2-A	Lab Control Sample	84									
MB 200-53504/1-A	Method Blank	79									

Surrogate Summary

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34934-1

Surrogate Legend

14DD8 = 1,4-Dioxane-d8 (Surr)

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-109279/5
Matrix: Water
Analysis Batch: 109279

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cx4-Dio. aEe	h D		C6u		gLS2			03Su SC3 Cu:57	C

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
TBA-d9 (Surr)	*145*		*50 - 150*		*043 23l4 12:/ 8*	*1*
i lbrmf mleumrmf t han6t (Surr)	*D2*		*50 - 150*		*043 23l4 12:/ 8*	*1*

Lab Sample ID: LCS 480-109279/3
Matrix: Water
Analysis Batch: 109279

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cx4-Dio. aEe			Cu60	556u		gLS2		C4C			

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
TBA-d9 (Surr)	*141*		*50 - 150*
i lbrmf mleumrmf t han6t (Surr)	*D8*		*50 - 150*

Lab Sample ID: LCSD 480-109279/4
Matrix: Water
Analysis Batch: 109279

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cx4-Dio. aEe			Cu60	556l		gLS2		C43		C	

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
TBA-d9 (Surr)	*1/ 5*		*50 - 150*
i lbrmf mleumrmf t han6t (Surr)	*D8*		*50 - 150*

Method: 8260C - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-108964/7
Matrix: Water
Analysis Batch: 108964

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
CXCX5-TetracProroetPaEe	h D		C60		gLS2			03Sp SC3 CC:Cu	C
CXCC-TricProroetPaEe	h D		C60		gLS2			03Sp SC3 CC:Cu	C
CXCx5-TetracProroetPaEe	h D		06p0		gLS2			03Sp SC3 CC:Cu	C
CXCX5-TricProroetPaEe	h D		C60		gLS2			03Sp SC3 CC:Cu	C
CXC-DicProroetPaEe	h D		C60		gLS2			03Sp SC3 CC:Cu	C
CXC-DicProroetPeEe	h D		C60		gLS2			03Sp SC3 CC:Cu	C
CXC-DicProrozrozeEe	h D		C60		gLS2			03Sp SC3 CC:Cu	C
Cx5x3-TricProrobeEBeEe	h D		C60		gLS2			03Sp SC3 CC:Cu	C
Cx5x3-TricProrozrozaEe	h D		C60		gLS2			03Sp SC3 CC:Cu	C
Cx5x4-TricProrobeEBeEe	h D		C60		gLS2			03Sp SC3 CC:Cu	C
Cx5x4-TrimetPdrbeEBeEe	h D		C60		gLS2			03Sp SC3 CC:Cu	C
Cx5-Dibromo-3-l Prorozroza Ee	h D		p60		gLS2			03Sp SC3 CC:Cu	C

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-108964/7
Matrix: Water
Analysis Batch: 108964

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cx5-DicProrobeEBeEe	h D		C60		gLS2			03S5pS3 CC:Cu	C
Cx5-DicProroetPaEe	h D		C60		gLS2			03S5pS3 CC:Cu	C
Cx5-DicProrozrozaEe	h D		C60		gLS2			03S5pS3 CC:Cu	C
Cx3xp-TrimetPdrobeEBeEe	h D		C60		gLS2			03S5pS3 CC:Cu	C
Cx3-DicProrobeEBeEe	h D		C60		gLS2			03S5pS3 CC:Cu	C
Cx3-DicProrozrozaEe	h D		C60		gLS2			03S5pS3 CC:Cu	C
Cx4-DicProrobeEBeEe	h D		C60		gLS2			03S5pS3 CC:Cu	C
Cx4-Dio. aEe	h D		p0		gLS2			03S5pS3 CC:Cu	C
5x5-DicProrozrozaEe	h D		C60		gLS2			03S5pS3 CC:Cu	C
5-f gtaEoEe KNR) H	h D		C0		gLS2			03S5pS3 CC:Cu	C
5-l ProrotorgeEe	h D		C60		gLS2			03S5pS3 CC:Cu	C
5-Xe. aEoEe	h D		C0		gLS2			03S5pS3 CC:Cu	C
4-l ProrotorgeEe	h D		C60		gLS2			03S5pS3 CC:Cu	C
4-IsozrozdnorgeEe	h D		C60		gLS2			03S5pS3 CC:Cu	C
4-NetPdn-5-zeEtaEoEe KNIf) H	h D		C0		gLS2			03S5pS3 CC:Cu	C
AcetoEe	h D		p0		gLS2			03S5pS3 CC:Cu	C
f eEBeEe	h D		C60		gLS2			03S5pS3 CC:Cu	C
f romobeEBeEe	h D		C60		gLS2			03S5pS3 CC:Cu	C
f romo(orm	h D		C60		gLS2			03S5pS3 CC:Cu	C
f romometPaEe	h D		560		gLS2			03S5pS3 CC:Cu	C
l arboE , isgn(i, e	h D		C0		gLS2			03S5pS3 CC:Cu	C
l arboE tetracProri, e	h D		C60		gLS2			03S5pS3 CC:Cu	C
l ProrobeEBeEe	h D		C60		gLS2			03S5pS3 CC:Cu	C
l ProrobromometPaEe	h D		C60		gLS2			03S5pS3 CC:Cu	C
l Proro, ibromometPaEe	h D		06p0		gLS2			03S5pS3 CC:Cu	C
l ProroetPaEe	h D		560		gLS2			03S5pS3 CC:Cu	C
l Proro(orm	h D		C60		gLS2			03S5pS3 CC:Cu	C
l ProrometPaEe	h D		560		gLS2			03S5pS3 CC:Cu	C
cis-Cx5-DicProroetPeEe	h D		C60		gLS2			03S5pS3 CC:Cu	C
cis-Cx3-DicProrozrozeEe	h D		0640		gLS2			03S5pS3 CC:Cu	C
DicProrobromometPaEe	h D		06p0		gLS2			03S5pS3 CC:Cu	C
DicProro, i(rgorometPaEe	h D		C60		gLS2			03S5pS3 CC:Cu	C
RtPdnetPer	h D		C60		gLS2			03S5pS3 CC:Cu	C
RtPdrobeEBeEe	h D		C60		gLS2			03S5pS3 CC:Cu	C
RtPdreEe Dibromi, e	h D		C60		gLS2			03S5pS3 CC:Cu	C
Xe. acProrobgta, ieEe	h D		0640		gLS2			03S5pS3 CC:Cu	C
IsozrozdnetPer	h D		C0		gLS2			03S5pS3 CC:Cu	C
IsozrozdrobeEBeEe	h D		C60		gLS2			03S5pS3 CC:Cu	C
NetPdntert-bgtdnetPer	h D		C60		gLS2			03S5pS3 CC:Cu	C
NetPdreEe l Prori, e	h D		C60		gLS2			03S5pS3 CC:Cu	C
m-&dreEe V z-&dreEe	h D		560		gLS2			03S5pS3 CC:Cu	C
h azPtPareEe	h D		p60		gLS2			03S5pS3 CC:Cu	C
E-f gtdrobeEBeEe	h D		C60		gLS2			03S5pS3 CC:Cu	C
h-j rozdrobeEBeEe	h D		C60		gLS2			03S5pS3 CC:Cu	C
o-&dreEe	h D		C60		gLS2			03S5pS3 CC:Cu	C
sec-f gtdrobeEBeEe	h D		C60		gLS2			03S5pS3 CC:Cu	C
WtdreEe	h D		C60		gLS2			03S5pS3 CC:Cu	C
Tert-amdnmetPdnetPer	h D		p60		gLS2			03S5pS3 CC:Cu	C

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-108964/7
Matrix: Water
Analysis Batch: 108964

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-bgtdnetPdnetPer	h D		p60		gLS2			03S5pSC3 CC:Cu	C
tert-f gtdnbeEBeEe	h D		C60		gLS2			03S5pSC3 CC:Cu	C
TetracProroetPeEe	h D		C60		gLS2			03S5pSC3 CC:Cu	C
TetraPd, ro(graE	h D		C0		gLS2			03S5pSC3 CC:Cu	C
TorngeEe	h D		C60		gLS2			03S5pSC3 CC:Cu	C
traEs-Cx5-DicProroetPeEe	h D		C60		gLS2			03S5pSC3 CC:Cu	C
traEs-Cx3-DicProrozrozeEe	h D		06i0		gLS2			03S5pSC3 CC:Cu	C
TricProroetPeEe	h D		C60		gLS2			03S5pSC3 CC:Cu	C
TricProro(rgoromet PaEe	h D		C60		gLS2			03S5pSC3 CC:Cu	C
9 iEdncProri, e	h D		06p0		gLS2			03S5pSC3 CC:Cu	C
DibromometPaEe	h D		C60		gLS2			03S5pSC3 CC:Cu	C

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tmeut 6t -dD (Surr)	*92*		*80 - 140*		*043' 53I4 11:12*	*1*
1,/ -i bcaemmt han6t -d7 (Surr)	*97*		*80 - 140*		*043' 53I4 11:12*	*1*
7-Brmf mleummot 6zt 6t (Surr)	*99*		*80 - 140*		*043' 53I4 11:12*	*1*

Lab Sample ID: LCS 480-108964/4
Matrix: Water
Analysis Batch: 108964

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
CXCX5-TetracProroetPaEe	5p60	5p64		gLS2		C05	70 - C30
CXCC-TricProroetPaEe	5p60	5363		gLS2		13	70 - C30
CXC5x5-TetracProroetPaEe	5p60	5p65		gLS2		C0C	70 - C30
CXC5-TricProroetPaEe	5p60	5464		gLS2		18	70 - C30
CXC-DicProroetPaEe	5p60	5460		gLS2		1u	70 - C30
CXC-DicProroetPeEe	5p60	5p63		gLS2		C0C	70 - C30
CXC-DicProrozrozeEe	5p60	5468		gLS2		11	70 - C30
Cx5x3-TricProrobeEBeEe	5p60	5p68		gLS2		C03	70 - C30
Cx5x3-TricProrozrozaEe	5p60	5p63		gLS2		C0C	70 - C30
Cx5x4-TricProrobeEBeEe	5p60	5u67		gLS2		C07	70 - C30
Cx5x4-TrimetPdnbeEBeEe	5p60	546p		gLS2		18	70 - C30
Cx5-Dibromo-3-I Prorozroza Ee	5p60	5764		gLS2		CC0	70 - C30
Cx5-DicProrobeEBeEe	5p60	546u		gLS2		18	70 - C30
Cx5-DicProroetPaEe	5p60	5567		gLS2		1C	70 - C30
Cx5-DicProrozrozaEe	5p60	536I		gLS2		1u	70 - C30
Cx3xp-TrimetPdnbeEBeEe	5p60	546C		gLS2		17	70 - C30
Cx3-DicProrobeEBeEe	5p60	5467		gLS2		11	70 - C30
Cx3-DicProrozrozaEe	5p60	5367		gLS2		1p	70 - C30
Cx4-DicProrobeEBeEe	5p60	5468		gLS2		11	70 - C30
Cx4-Dio. aEe	CO00	177		gLS2		18	70 - C30
5x5-DicProrozrozaEe	5p60	556I		gLS2		15	70 - C30
5-f gtaEoEe KNR) H	C5p	C73	*	gLS2		C38	70 - C30
5-I ProrotorngeEe	5p60	5463		gLS2		17	70 - C30
5-Xe. aEoEe	C5p	CC8		gLS2		14	70 - C30
4-I ProrotorngeEe	5p60	5C6p		gLS2		8u	70 - C30
4-Isozrozdnt orngeEe	5p60	5p65		gLS2		C0C	70 - C30

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-108964/4
Matrix: Water
Analysis Batch: 108964

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-NetPdn5-zeEtaEoEe kNIf) H	C5p	CC1		gLS2		1p	70 - C30
AcetoEe	C5p	CCu		gLS2		15	70 - C30
f eEBeEe	5p60	5465		gLS2		17	70 - C30
f romobeEBeEe	5p60	546u		gLS2		18	70 - C30
f romo(orm	5p60	5760		gLS2		C08	70 - C30
f romometPaEe	5p60	5C84		gLS2		8u	70 - C30
l arboE , isgrni, e	5p60	5461		gLS2		C00	70 - C30
l arboE tetracProri, e	5p60	5463		gLS2		17	70 - C30
l ProrobeEBeEe	5p60	5468		gLS2		11	70 - C30
l ProrobromometPaEe	5p60	5u64		gLS2		C0u	70 - C30
l Proro, ibromometPaEe	5p60	5u65		gLS2		C0p	70 - C30
l ProroetPaEe	5p60	536C		gLS2		15	70 - C30
l Proro(orm	5p60	5361		gLS2		1u	70 - C30
l ProrometPaEe	5p60	5p65		gLS2		C0C	70 - C30
cis-CX5-DicProroetPeEe	5p60	5464		gLS2		18	70 - C30
cis-CX3-DicProrozrozeEe	5p60	5p63		gLS2		C0C	70 - C30
DicProrobromometPaEe	5p60	5464		gLS2		18	70 - C30
DicProro, i(rgorometPaEe	p060	u361		gLS2		C58	70 - C30
RtPdnetPer	5p60	5p6C		gLS2		C0C	70 - C30
RtPdnbeEBeEe	5p60	5368		gLS2		1p	70 - C30
RtPdreEe Dibromi, e	5p60	5461		gLS2		C00	70 - C30
Xe. acProrobgta, ieEe	5p60	5u65		gLS2		C0p	70 - C30
Isozrozdnet Per	5p60	5p64		gLS2		C05	70 - C30
IsozrozdnbeEBeEe	5p60	546C		gLS2		1u	70 - C30
NetPdntert-bgtdnetPer	5p60	5468		gLS2		11	70 - C30
NetPdreEe l Prori, e	5p60	5561		gLS2		15	70 - C30
m-&dreEe V z-&dreEe	p060	4165		gLS2		18	70 - C30
h azPtPareEe	5p60	5p65		gLS2		C0C	70 - C30
E-f gtdnbeEBeEe	5p60	546p		gLS2		18	70 - C30
h -j rozdnbeEBeEe	5p60	5463		gLS2		17	70 - C30
o-&dreEe	5p60	5465		gLS2		17	70 - C30
sec-f gtdnbeEBeEe	5p60	5p60		gLS2		C00	70 - C30
WtdreEe	5p60	5463		gLS2		17	70 - C30
Tert-amdnmetPdnetPer	5p60	5p65		gLS2		C0C	70 - C30
Tert-bgtdnetPdnetPer	5p60	546p		gLS2		18	70 - C30
tert-f gtdnbeEBeEe	5p60	5p6p		gLS2		C05	70 - C30
TetracProroetPeEe	5p60	5u64		gLS2		C0p	70 - C30
TetraPd, ro(graE	C5p	C57		gLS2		C0C	70 - C30
TorgeEe	5p60	546C		gLS2		1u	70 - C30
traEs-CX5-DicProroetPeEe	5p60	5468		gLS2		11	70 - C30
traEs-CX3-DicProrozrozeEe	5p60	5467		gLS2		11	70 - C30
TricProroetPeEe	5p60	5p6C		gLS2		C00	70 - C30
TricProro(rgorometPaEe	5p60	5p6p		gLS2		C05	70 - C30
9iEdncProri, e	5p60	5367		gLS2		1p	70 - C30
DibromometPaEe	5p60	546u		gLS2		18	70 - C30

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tmeut 6t -dD (Surr)	*92*		*80 - 140*

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-108964/4
Matrix: Water
Analysis Batch: 108964

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,/-i lcaemrnt han6t-d7 (Surr)	90		80 - 140
7-Brnf rneummot 6zt 6t (Surr)	10/		80 - 140

Lab Sample ID: LCSD 480-108964/5
Matrix: Water
Analysis Batch: 108964

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
CXCX5-TetracProroetPaEe	5p60	5463		gLS2		17	70 - C30	4	50
CXCC-TricProroetPaEe	5p60	5360		gLS2		15	70 - C30	C	50
CXCx5-TetracProroetPaEe	5p60	5p6C		gLS2		C00	70 - C30	0	50
CXCX5-TricProroetPaEe	5p60	536p		gLS2		14	70 - C30	4	50
CXC-DicProroetPaEe	5p60	5365		gLS2		13	70 - C30	3	50
CXC-DicProroetPeEe	5p60	5365		gLS2		13	70 - C30	1	50
CXC-DicProrozrozeEe	5p60	5368		gLS2		1p	70 - C30	4	50
CX5x3-TricProrobeEBeEe	5p60	5u6p		gLS2		C0u	70 - C30	3	50
CX5x3-TricProrozrozaEe	5p60	5464		gLS2		18	70 - C30	4	50
CX5x4-TricProrobeEBeEe	5p60	5u68		gLS2		C07	70 - C30	0	50
CX5x4-TrimetPdnbeEBeEe	5p60	5364		gLS2		14	70 - C30	4	50
CX5-Dibromo-3-l Prorozroza Ee	5p60	5u64		gLS2		C0p	70 - C30	4	50
CX5-DicProrobeEBeEe	5p60	546p		gLS2		18	70 - C30	0	50
CX5-DicProroetPaEe	5p60	556u		gLS2		10	70 - C30	0	50
CX5-DicProrozrozaEe	5p60	5460		gLS2		1u	70 - C30	0	50
CX8xp-TrimetPdnbeEBeEe	5p60	536u		gLS2		14	70 - C30	5	50
CX8-DicProrobeEBeEe	5p60	5464		gLS2		18	70 - C30	C	50
CX8-DicProrozrozaEe	5p60	5360		gLS2		15	70 - C30	3	50
CX4-DicProrobeEBeEe	5p60	546u		gLS2		18	70 - C30	C	50
CX4-Dio. aEe	C000	115		gLS2		11	70 - C30	5	50
5x5-DicProrozrozaEe	5p60	5360		gLS2		15	70 - C30	0	50
5-f gtaEoEe KNR) H	C5p	C75	*	gLS2		C38	70 - C30	C	50
5-l Prorotorn eEe	5p60	536p		gLS2		14	70 - C30	3	50
5-Xe. aEoEe	C5p	COu		gLS2		13	70 - C30	5	50
4-l Prorotorn eEe	5p60	5061		gLS2		83	70 - C30	3	50
4-Isozrozdnorn eEe	5p60	5463		gLS2		17	70 - C30	3	50
4-NetPdn5-zeEtaEoEe KNIf) H	C5p	COu		gLS2		13	70 - C30	5	50
AcetoEe	C5p	CC4		gLS2		15	70 - C30	C	50
f eEBeEe	5p60	5367		gLS2		1p	70 - C30	5	50
f romobeEBeEe	5p60	5463		gLS2		17	70 - C30	C	50
f romo(orm	5p60	5u67		gLS2		C07	70 - C30	C	50
f romometPaEe	5p60	5460		gLS2		1u	70 - C30	CC	50
l arboE , isgrn(i, e	5p60	5460		gLS2		1u	70 - C30	4	50
l arboE tetracProri, e	5p60	5368		gLS2		1p	70 - C30	5	50
l ProrobeEBeEe	5p60	5460		gLS2		1u	70 - C30	3	50
l Prorobromometpaee	5p60	5p6u		gLS2		C05	70 - C30	3	50
l Proro, ibromometPaEe	5p60	5p6C		gLS2		C00	70 - C30	4	50
l ProroetPaEe	5p60	5364		gLS2		14	70 - C30	5	50
l Proro(orm	5p60	5360		gLS2		15	70 - C30	4	50
l ProrometPaEe	5p60	5367		gLS2		1p	70 - C30	u	50

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-108964/5
Matrix: Water
Analysis Batch: 108964

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-CX5-DicProroetPeEe			5p60	546u		gLS2		18	70 - C30	C	50
cis-CX3-DicProrozrozeEe			5p60	5p60		gLS2		C00	70 - C30	C	50
DicProrobromometPaEe			5p60	546C		gLS2		1u	70 - C30	C	50
DicProro, i(rgorometPaEe			p060	p168		gLS2		C50	70 - C30	7	50
RtPdnetPer			5p60	5p60		gLS2		C00	70 - C30	C	50
RtPdrbeEBeEe			5p60	5360		gLS2		15	70 - C30	4	50
RtPdreEe Dibromi, e			5p60	5463		gLS2		17	70 - C30	5	50
Xe. acProrobgta, ieEe			5p60	5u63		gLS2		C0p	70 - C30	0	50
IsozrozdnetPer			5p60	5p64		gLS2		C05	70 - C30	0	50
IsozrozdrbeEBeEe			5p60	536p		gLS2		14	70 - C30	5	50
NetPdntert-bgtdnetPer			5p60	5467		gLS2		11	70 - C30	0	50
NetPdreEe I Prori, e			5p60	5567		gLS2		1C	70 - C30	C	50
m-&dreEe V z-&dreEe			p060	4u6l		gLS2		14	70 - C30	p	50
h azPtPareEe			5p60	5p67		gLS2		C03	70 - C30	5	50
E-f gtdrbeEBeEe			5p60	5368		gLS2		1p	70 - C30	3	50
h-j rozdrbeEBeEe			5p60	536p		gLS2		14	70 - C30	4	50
o-&dreEe			5p60	5367		gLS2		1p	70 - C30	5	50
sec-f gtdrbeEBeEe			5p60	5368		gLS2		1p	70 - C30	p	50
WtdreEe			5p60	5367		gLS2		1p	70 - C30	5	50
Tert-amdnmetPdnetPer			5p60	5p60		gLS2		C00	70 - C30	C	50
Tert-bgtdnetPdnetPer			5p60	5465		gLS2		17	70 - C30	5	50
tert-f gtdrbeEBeEe			5p60	5468		gLS2		11	70 - C30	3	50
TetracProroetPeEe			5p60	5p6u		gLS2		C05	70 - C30	3	50
TetraPd, ro(graE			C5p	C57		gLS2		C05	70 - C30	C	50
TorrgeEe			5p60	536p		gLS2		14	70 - C30	5	50
traEs-CX5-DicProroetPeEe			5p60	5465		gLS2		17	70 - C30	3	50
traEs-CX3-DicProrozrozeEe			5p60	5368		gLS2		1p	70 - C30	4	50
TricProroetPeEe			5p60	5463		gLS2		17	70 - C30	3	50
TricProro(rgorometPaEe			5p60	5468		gLS2		11	70 - C30	3	50
9iEdncProri, e			5p60	5360		gLS2		15	70 - C30	3	50
DibromometPaEe			5p60	5468		gLS2		11	70 - C30	C	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tmeut 6t -dD (Surr)	*92*		*80 - 140*
1,/ -i lcaemmt han6t -d7 (Surr)	*9/*		*80 - 140*
7-Brmf rheummot 6zt 6t (Surr)	*10/*		*80 - 140*

Lab Sample ID: 480-34934-2 MS
Matrix: Water
Analysis Batch: 108964

Client Sample ID: MW1016D-20130322-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
CXCX5-TetracProroetPaEe	hD		5p60	536l		gLS2		14	70 - C30
CXCC-TricProroetPaEe	hD		5p60	536l		gLS2		1u	70 - C30
CXCX5X5-TetracProroetPaEe	hD		5p60	5363		gLS2		13	70 - C30
CXCX5-TricProroetPaEe	hD		5p60	536p		gLS2		14	70 - C30
CXC-DicProroetPaEe	hD		5p60	5367		gLS2		1p	70 - C30
CXC-DicProroetPeEe	hD		5p60	5360		gLS2		81	70 - C30

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-34934-2 MS
Matrix: Water
Analysis Batch: 108964

Client Sample ID: MW1016D-20130322-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
CX-DicProrozroze Ee	h D		5p60	546C		gLS2		1u	70 - C30
CX5x3-TricProrobe EBe Ee	h D		5p60	5461		gLS2		C00	70 - C30
CX5x3-TricProrozroza Ee	h D		5p60	5460		gLS2		1u	70 - C30
CX5x4-TricProrobe EBe Ee	h D		5p60	5461		gLS2		C00	70 - C30
CX5x4-TrimetPdnbe EBe Ee	h D		5p60	556u		gLS2		10	70 - C30
CX5-Dibromo-3-l Prorozroza Ee	h D		5p60	5460		gLS2		1u	70 - C30
CX5-DicProrobe EBe Ee	h D		5p60	5363		gLS2		13	70 - C30
CX5-DicProroetPa Ee	h D		5p60	5C61		gLS2		88	70 - C30
CX5-DicProrozroza Ee	h D		5p60	5561		gLS2		15	70 - C30
CX8xp-TrimetPdnbe EBe Ee	h D		5p60	5360		gLS2		15	70 - C30
CX8-DicProrobe EBe Ee	h D		5p60	536C		gLS2		15	70 - C30
CX8-DicProrozroza Ee	h D		5p60	556p		gLS2		10	70 - C30
CX4-DicProrobe EBe Ee	h D		5p60	5365		gLS2		13	70 - C30
CX4-Dio. a Ee	h D		C000	C540		gLS2		C54	70 - C30
5X5-DicProrozroza Ee	h D		5p60	C16p		gLS2		78	70 - C30
5-f gtaEoEe KNR) H	h D	*	C5p	C7C	F	gLS2		C3p	70 - C30
5-l Prorotorge Ee	h D		5p60	5365		gLS2		13	70 - C30
5-Xe. aEoEe	h D		C5p	CCp		gLS2		15	70 - C30
4-l Prorotorge Ee	h D		5p60	C161		gLS2		80	70 - C30
4-Isozrozdnorge Ee	h D		5p60	536u		gLS2		14	70 - C30
4-NetPdn5-zeEtaEoEe KNIf) H	h D		C5p	CCp		gLS2		15	70 - C30
AcetoEe	h D		C5p	CC7		gLS2		14	70 - C30
f eEBe Ee	h D		5p60	5364		gLS2		14	70 - C30
f romobe EBe Ee	h D		5p60	5363		gLS2		13	70 - C30
f romo(orm	h D		5p60	5068		gLS2		83	70 - C30
f romometPa Ee	h D		5p60	5p6p		gLS2		C05	70 - C30
l arboE , isgnti, e	h D		5p60	5p60		gLS2		11	70 - C30
l arboE tetracProri, e	h D		5p60	5565		gLS2		81	70 - C30
l ProrobeEBe Ee	h D		5p60	5460		gLS2		1u	70 - C30
l Prorobromometpa Ee	h D		5p60	5p60		gLS2		C00	70 - C30
l Proro, ibromometPa Ee	h D		5p60	5563		gLS2		81	70 - C30
l ProroetPa Ee	h D		5p60	5763		gLS2		C01	70 - C30
l Proro(orm	h D		5p60	556u		gLS2		1C	70 - C30
l ProrometPa Ee	h D		5p60	C867		gLS2		7p	70 - C30
cis-CX5-DicProroetPe Ee	46C		5p60	5761		gLS2		1p	70 - C30
cis-CX8-DicProrozroze Ee	h D		5p60	5560		gLS2		88	70 - C30
DicProrobromometPa Ee	h D		5p60	5C61		gLS2		87	70 - C30
DicProro, i(rgorometPa Ee	h D		p060	7C63	F	gLS2		C43	70 - C30
RtPdnetPer	h D		5p60	5768		gLS2		CCC	70 - C30
RtPdnbe EBe Ee	h D		5p60	5365		gLS2		13	70 - C30
RtPdre Ee Dibromi, e	h D		5p60	5365		gLS2		13	70 - C30
Xe. acProrobgta, ie Ee	h D		5p60	5568		gLS2		1C	70 - C30
IsozrozdnetPer	h D		5p60	586C		gLS2		CC5	70 - C30
IsozrozdnbeEBe Ee	h D		5p60	536C		gLS2		13	70 - C30
NetPdntert-bgtdnetPer	h D		5p60	5365		gLS2		13	70 - C30
NetPdre Ee l Prori, e	h D		5p60	556C		gLS2		88	70 - C30
m-&dre Ee V z-&dre Ee	h D		p060	4u68		gLS2		14	70 - C30
h azPtPare Ee	h D		5p60	546p		gLS2		18	70 - C30

QC Sample Results

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-34934-2 MS — **Client Sample ID: MW1016D-20130322-01**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 108964

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
E-f gtdbeEBeEe	h D		5p60	5565		gLS2		81	70 - C30
h-j rozdbeEBeEe	h D		5p60	5563		gLS2		81	70 - C30
o-&dmeEe	h D		5p60	5364		gLS2		14	70 - C30
sec-f gtdbeEBeEe	h D		5p60	536u		gLS2		14	70 - C30
WdreEe	h D		5p60	Cu6p	F	gLS2		uu	70 - C30
Tert-amdnmetPdnetPer	h D		5p60	5p65		gLS2		C0C	70 - C30
Tert-bgtdnetPdnetPer	h D		5p60	5468		gLS2		11	70 - C30
tert-f gtdbeEBeEe	h D		5p60	546u		gLS2		18	70 - C30
TetracPoroetPeEe	h D		5p60	5u63		gLS2		C03	70 - C30
TetraPd, ro(graE	h D		C5p	C50		gLS2		1u	70 - C30
TongeEe	h D		5p60	5363		gLS2		13	70 - C30
traEs-C5-DicPoroetPeEe	h D		5p60	5460		gLS2		1u	70 - C30
traEs-C3-DicPorozrozeEe	h D		5p60	506p		gLS2		85	70 - C30
TricPoroetPeEe	58		5p60	p560		gLS2		17	70 - C30
TricPoro(gorometPaEe	h D		5p60	5p6u		gLS2		C05	70 - C30
9iEdncPori, e	h D		5p60	5363		gLS2		13	70 - C30
DibromometPaEe	h D		5p60	5368		gLS2		1p	70 - C30

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tmut 6t -dD (Surr)	*98*		*80 - 140*
1,/-i bcaemmt han6t -d7 (Surr)	*94*		*80 - 140*
7-Brmf mleummot 6zt 6t (Surr)	*101*		*80 - 140*

Lab Sample ID: 480-34934-2 MSD — **Client Sample ID: MW1016D-20130322-01**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 108964

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
CCCC5-TetracPoroetPaEe	h D		5p60	546p		gLS2		18	70 - C30	p	50
CCC-TricPoroetPaEe	h D		5p60	546C		gLS2		1u	70 - C30	C	50
CC5x5-TetracPoroetPaEe	h D		5p60	546C		gLS2		1u	70 - C30	3	50
CC5-TricPoroetPaEe	h D		5p60	5367		gLS2		1p	70 - C30	C	50
CC-DicPoroetPaEe	h D		5p60	5361		gLS2		1p	70 - C30	C	50
CC-DicPoroetPeEe	h D		5p60	5p63		gLS2		18	70 - C30	1	50
CC-DicPorozrozeEe	h D		5p60	546u		gLS2		18	70 - C30	5	50
C5x3-TricPorobeEBeEe	h D		5p60	5p65		gLS2		C0C	70 - C30	C	50
C5x3-TricPorozrozaEe	h D		5p60	5468		gLS2		11	70 - C30	3	50
C5x4-TricPorobeEBeEe	h D		5p60	5p6p		gLS2		C05	70 - C30	5	50
C5x4-TrimetPdbeEBeEe	h D		5p60	5365		gLS2		13	70 - C30	3	50
C5-Dibromo-3-I PorozrozaEe	h D		5p60	5468		gLS2		11	70 - C30	3	50
C5-DicPorobeEBeEe	h D		5p60	5460		gLS2		1u	70 - C30	3	50
C5-DicPoroetPaEe	h D		5p60	5068		gLS2		87	70 - C30	0	50
C5-DicPorozrozaEe	h D		5p60	5361		gLS2		1u	70 - C30	4	50
C3xp-TrimetPdbeEBeEe	h D		5p60	5364		gLS2		13	70 - C30	C	50
C3-DicPorobeEBeEe	h D		5p60	5464		gLS2		17	70 - C30	p	50
C3-DicPorozrozaEe	h D		5p60	536C		gLS2		15	70 - C30	5	50
C4-DicPorobeEBeEe	h D		5p60	536u		gLS2		14	70 - C30	5	50
C4-Dio. aEe	h D		C000	C5p0		gLS2		C5p	70 - C30	C	50

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-34934-2 MSD
Matrix: Water
Analysis Batch: 108964

Client Sample ID: MW1016D-20130322-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
5x5-DicProrozrozaEe	hD		5p60	C165		gLS2		77	70 - C30	C	50
5-f gtaEoEe kNR) H	hD	*	C5p	C7C	F	gLS2		C3u	70 - C30	0	50
5-l ProrotorgeEe	hD		5p60	536u		gLS2		14	70 - C30	5	50
5-Xe. aEoEe	hD		C5p	CC8		gLS2		14	70 - C30	5	50
4-l ProrotorgeEe	hD		5p60	506p		gLS2		85	70 - C30	3	50
4-IsozrozdnorgeEe	hD		5p60	546u		gLS2		11	70 - C30	4	50
4-NetPdn-5-zeEtaEoEe kNIf) H	hD		C5p	CC8		gLS2		14	70 - C30	5	50
AcetoEe	hD		C5p	C08		gLS2		87	70 - C30	8	50
f eEBeEe	hD		5p60	546u		gLS2		18	70 - C30	p	50
f romobeEBeEe	hD		5p60	5460		gLS2		1u	70 - C30	3	50
f romo(orm	hD		5p60	5565		gLS2		81	70 - C30	7	50
f romometPaEe	hD		5p60	5u6u		gLS2		C0u	70 - C30	4	50
l arboE , isgri, e	hD		5p60	5p6p		gLS2		C00	70 - C30	5	50
l arboE tetracProri, e	hD		5p60	556l		gLS2		15	70 - C30	3	50
l ProrobeEBeEe	hD		5p60	546u		gLS2		18	70 - C30	5	50
l ProrobromometPaEe	hD		5p60	5p67		gLS2		C03	70 - C30	3	50
l Proro, ibromometPaEe	hD		5p60	556l		gLS2		15	70 - C30	5	50
l ProroetPaEe	hD		5p60	5864		gLS2		CC4	70 - C30	4	50
l Proro(orm	hD		5p60	536C		gLS2		15	70 - C30	5	50
l prometPaEe	hD		5p60	C163		gLS2		77	70 - C30	3	50
cis-Cx5-DicProroetPeEe	46C		5p60	586u		gLS2		18	70 - C30	5	50
cis-Cx8-DicProrozrozeEe	hD		5p60	5563		gLS2		81	70 - C30	5	50
DicProrobromometPaEe	hD		5p60	5567		gLS2		1C	70 - C30	4	50
DicProro, i(rgoromet PaEe	hD		p060	u86p	F	gLS2		C37	70 - C30	4	50
RtPdnetPer	hD		5p60	5p68		gLS2		C03	70 - C30	7	50
RtPdnbeEBeEe	hD		5p60	536l		gLS2		1u	70 - C30	3	50
RtPdreEe Dibromi, e	hD		5p60	5465		gLS2		17	70 - C30	4	50
Xe. acProrobgta, ieEe	hD		5p60	5464		gLS2		18	70 - C30	7	50
IsozrozdnetPer	hD		5p60	5u63		gLS2		C0p	70 - C30	7	50
IsozrozdnbeEBeEe	hD		5p60	5367		gLS2		1p	70 - C30	3	50
NetPdntert-bgtdnetPer	hD		5p60	536p		gLS2		14	70 - C30	C	50
NetPdreEe l Prori, e	hD		5p60	5360		gLS2		15	70 - C30	4	50
m-&dreEe V z-&dreEe	hD		p060	4865		gLS2		1u	70 - C30	3	50
h azPtPareEe	hD		5p60	546l		gLS2		C00	70 - C30	5	50
E-f gtdnbeEBeEe	hD		5p60	536u		gLS2		14	70 - C30	u	50
h-j rozdnbeEBeEe	hD		5p60	556l		gLS2		15	70 - C30	3	50
o-&dreEe	hD		5p60	546p		gLS2		18	70 - C30	4	50
sec-f gtdnbeEBeEe	hD		5p60	5463		gLS2		17	70 - C30	3	50
WtdreEe	hD		5p60	C76u		gLS2		70	70 - C30	u	50
Tert-amdnmetPdnetPer	hD		5p60	5765		gLS2		C01	70 - C30	8	50
Tert-bgtdnetPdnetPer	hD		5p60	5u65		gLS2		C0p	70 - C30	p	50
tert-f gtdnbeEBeEe	hD		5p60	5p65		gLS2		C0C	70 - C30	3	50
TetracProroetPeEe	hD		5p60	5u68		gLS2		C0p	70 - C30	5	50
TetraPd, ro(graE	hD		C5p	C55		gLS2		18	70 - C30	5	50
TorgeEe	hD		5p60	5368		gLS2		1p	70 - C30	5	50
traEs-Cx5-DicProroetPeEe	hD		5p60	5p60		gLS2		C00	70 - C30	4	50
traEs-Cx8-DicProrozrozeEe	hD		5p60	5C64		gLS2		8u	70 - C30	4	50
TricProroetPeEe	58		5p60	p063		gLS2		10	70 - C30	3	50

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-34934-2 MSD
Matrix: Water
Analysis Batch: 108964

Client Sample ID: MW1016D-20130322-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
TricProro(rgoromet PaEe	h D		5p60	5u65		gLS2		C0p	70 - C30	5	50
9 iEdncProri, e	h D		5p60	5464		gLS2		18	70 - C30	p	50
DibromometPaEe	h D		5p60	5463		gLS2		17	70 - C30	5	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tmeut 6t -dD (Surr)	*92*		*80 - 140*
1,/ -i bcaemrnt han6t -d7 (Surr)	*90*		*80 - 140*
7-Brnf mleurmmot 6zt 6t (Surr)	*10/*		*80 - 140*

Lab Sample ID: MB 480-109114/7
Matrix: Water
Analysis Batch: 109114

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
CXCX5-TetracProroetPaEe	h D		C60		gLS2			035uS3 00:0p	C
CXCC-TricProroetPaEe	h D		C60		gLS2			035uS3 00:0p	C
CXC5x5-TetracProroetPaEe	h D		06p0		gLS2			035uS3 00:0p	C
CXC5-TricProroetPaEe	h D		C60		gLS2			035uS3 00:0p	C
CXC-DicProroetPaEe	h D		C60		gLS2			035uS3 00:0p	C
CXC-DicProroetPeEe	h D		C60		gLS2			035uS3 00:0p	C
CXC-DicProrozrozeEe	h D		C60		gLS2			035uS3 00:0p	C
CX5x3-TricProrobeEBeEe	h D		C60		gLS2			035uS3 00:0p	C
CX5x3-TricProrozrozaEe	h D		C60		gLS2			035uS3 00:0p	C
CX5x4-TricProrobeEBeEe	h D		C60		gLS2			035uS3 00:0p	C
CX5x4-TrimetPdnbeEBeEe	h D		C60		gLS2			035uS3 00:0p	C
CX5-Dibromo-3-l Prorozroza Ee	h D		p60		gLS2			035uS3 00:0p	C
CX5-DicProrobeEBeEe	h D		C60		gLS2			035uS3 00:0p	C
CX5-DicProroetPaEe	h D		C60		gLS2			035uS3 00:0p	C
CX5-DicProrozroza Ee	h D		C60		gLS2			035uS3 00:0p	C
CX8xp-TrimetPdnbeEBeEe	h D		C60		gLS2			035uS3 00:0p	C
CX8-DicProrobeEBeEe	h D		C60		gLS2			035uS3 00:0p	C
CX8-DicProrozroza Ee	h D		C60		gLS2			035uS3 00:0p	C
CX4-DicProrobeEBeEe	h D		C60		gLS2			035uS3 00:0p	C
CX4-Dio. aEe	h D		p0		gLS2			035uS3 00:0p	C
5x5-DicProrozroza Ee	h D		C60		gLS2			035uS3 00:0p	C
5-f gtaEoEe kN R) H	h D		C0		gLS2			035uS3 00:0p	C
5-l Prorotorge Ee	h D		C60		gLS2			035uS3 00:0p	C
5-Xe. aEoEe	h D		C0		gLS2			035uS3 00:0p	C
4-l Prorotorge Ee	h D		C60		gLS2			035uS3 00:0p	C
4-Isozrozdnlorge Ee	h D		C60		gLS2			035uS3 00:0p	C
4-N etPdn-5-zeEtaEoEe kN If) H	h D		C0		gLS2			035uS3 00:0p	C
AcetoEe	h D		p0		gLS2			035uS3 00:0p	C
f eEBeEe	h D		C60		gLS2			035uS3 00:0p	C
f romobeEBeEe	h D		C60		gLS2			035uS3 00:0p	C
f romo(orm	h D		C60		gLS2			035uS3 00:0p	C
f romometPaEe	h D		560		gLS2			035uS3 00:0p	C
l arboE , isgnli, e	h D		C0		gLS2			035uS3 00:0p	C
l arboE tetracProri, e	h D		C60		gLS2			035uS3 00:0p	C

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-109114/7
Matrix: Water
Analysis Batch: 109114

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
l ProrobeEBeEe	h D		C60		gLS2			03Suu3 00:0p	C
l ProrobromometPaEe	h D		C60		gLS2			03Suu3 00:0p	C
l Proro, ibromometPaEe	h D		06p0		gLS2			03Suu3 00:0p	C
l ProroetPaEe	h D		560		gLS2			03Suu3 00:0p	C
l Proro(orm	h D		C60		gLS2			03Suu3 00:0p	C
l ProrometPaEe	h D		560		gLS2			03Suu3 00:0p	C
cis-CX5-DicProroetPeEe	h D		C60		gLS2			03Suu3 00:0p	C
cis-CX3-DicProrozrozeEe	h D		0640		gLS2			03Suu3 00:0p	C
DicProrobromomet PaEe	h D		06p0		gLS2			03Suu3 00:0p	C
DicProro, i(ngorometPaEe	h D		C60		gLS2			03Suu3 00:0p	C
RtPdnetPer	h D		C60		gLS2			03Suu3 00:0p	C
RtPdnbeEBeEe	h D		C60		gLS2			03Suu3 00:0p	C
RtPdneEe Dibromi, e	h D		C60		gLS2			03Suu3 00:0p	C
Xe. acProrobgta, ieEe	h D		0640		gLS2			03Suu3 00:0p	C
IsozrozdnetPer	h D		CO		gLS2			03Suu3 00:0p	C
IsozrozdnbeEBeEe	h D		C60		gLS2			03Suu3 00:0p	C
NetPdntert-bgtdnetPer	h D		C60		gLS2			03Suu3 00:0p	C
NetPdneEe l Prori, e	h D		C60		gLS2			03Suu3 00:0p	C
m-&dneEe V z-&dneEe	h D		560		gLS2			03Suu3 00:0p	C
h azPtPaneEe	h D		p60		gLS2			03Suu3 00:0p	C
E-f gtdnbeEBeEe	h D		C60		gLS2			03Suu3 00:0p	C
h-j rozdnbeEBeEe	h D		C60		gLS2			03Suu3 00:0p	C
o-&dneEe	h D		C60		gLS2			03Suu3 00:0p	C
sec-f gtdnbeEBeEe	h D		C60		gLS2			03Suu3 00:0p	C
WtdreEe	h D		C60		gLS2			03Suu3 00:0p	C
Tert-amdnmetPdnetPer	h D		p60		gLS2			03Suu3 00:0p	C
Tert-bgtdnetPdnetPer	h D		p60		gLS2			03Suu3 00:0p	C
tert-f gtdnbeEBeEe	h D		C60		gLS2			03Suu3 00:0p	C
TetracProroetPeEe	h D		C60		gLS2			03Suu3 00:0p	C
TetraPd, ro(graE	h D		CO		gLS2			03Suu3 00:0p	C
TorngeEe	h D		C60		gLS2			03Suu3 00:0p	C
traEs-CX5-DicProroetPeEe	h D		C60		gLS2			03Suu3 00:0p	C
traEs-CX3-DicProrozrozeEe	h D		0640		gLS2			03Suu3 00:0p	C
TricProroetPeEe	h D		C60		gLS2			03Suu3 00:0p	C
TricProro(ngorometPaEe	h D		C60		gLS2			03Suu3 00:0p	C
9iEdncProri, e	h D		06p0		gLS2			03Suu3 00:0p	C
DibromometPaEe	h D		C60		gLS2			03Suu3 00:0p	C

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tmeut 6t -dD (Surr)	*98*		*80 - 140*		*043 23l4 00:05*	*1*
1,/-i bcaemmt han6t -d7 (Surr)	*94*		*80 - 140*		*043 23l4 00:05*	*1*
7-Brmf mleummot 6zt 6t (Surr)	*99*		*80 - 140*		*043 23l4 00:05*	*1*

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-109114/4
Matrix: Water
Analysis Batch: 109114

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
CXCX5-TetracProroetPaEe	5p60	546l		gLS2		C00	70 - C30
CXCC-TricProroetPaEe	5p60	536l		gLS2		13	70 - C30
CXCx5-TetracProroetPaEe	5p60	5465		gLS2		17	70 - C30
CXC5-TricProroetPaEe	5p60	536p		gLS2		14	70 - C30
CXC-DicProroetPaEe	5p60	5367		gLS2		1p	70 - C30
CXC-DicProroetPeEe	5p60	546C		gLS2		17	70 - C30
CXC-DicProrozrozeEe	5p60	546p		gLS2		18	70 - C30
CX5x3-TricProrobeEBeEe	5p60	5p6l		gLS2		C04	70 - C30
CX5x3-TricProrozrozaEe	5p60	546p		gLS2		18	70 - C30
CX5x4-TricProrobeEBeEe	5p60	5u6p		gLS2		C0u	70 - C30
CX5x4-TrimetPdnbeEBeEe	5p60	5363		gLS2		13	70 - C30
CX5-Dibromo-3-l Prorozroza Ee	5p60	536C		gLS2		13	70 - C30
CX5-DicProrobeEBeEe	5p60	5464		gLS2		17	70 - C30
CX5-DicProroetPaEe	5p60	556u		gLS2		1C	70 - C30
CX5-DicProrozrozaEe	5p60	5368		gLS2		1p	70 - C30
CX8xp-TrimetPdnbeEBeEe	5p60	536l		gLS2		1u	70 - C30
CX3-DicProrobeEBeEe	5p60	5460		gLS2		1u	70 - C30
CX3-DicProrozrozaEe	5p60	5363		gLS2		13	70 - C30
CX4-DicProrobeEBeEe	5p60	5467		gLS2		11	70 - C30
CX4-Dio. aEe	C000	18C		gLS2		18	70 - C30
5x5-DicProrozrozaEe	5p60	536p		gLS2		14	70 - C30
5-f gtaEoEe KNR) H	C5p	Cp1		gLS2		C57	70 - C30
5-l Prorotorge Ee	5p60	546C		gLS2		1u	70 - C30
5-Xe. aEoEe	C5p	C01		gLS2		87	70 - C30
4-l Prorotorge Ee	5p60	506l		gLS2		83	70 - C30
4-Isozrozdnorge Ee	5p60	546p		gLS2		18	70 - C30
4-NetPdn5-zeEtaEoEe KNIf) H	C5p	CCC		gLS2		81	70 - C30
AcetoEe	C5p	C04		gLS2		83	70 - C30
f eEBeEe	5p60	5368		gLS2		1p	70 - C30
f romobeEBeEe	5p60	5460		gLS2		1u	70 - C30
f romo(orm	5p60	536u		gLS2		1p	70 - C30
f romometPaEe	5p60	5p6l		gLS2		C04	70 - C30
l arboE , isgnri, e	5p60	5568		gLS2		1C	70 - C30
l arboE tetracProri, e	5p60	5567		gLS2		1C	70 - C30
l ProrobeEBeEe	5p60	546u		gLS2		11	70 - C30
l ProrobromometPaEe	5p60	5p6l		gLS2		C04	70 - C30
l Proro, ibromometPaEe	5p60	5368		gLS2		1p	70 - C30
l ProroetPaEe	5p60	546p		gLS2		18	70 - C30
l Proro(orm	5p60	536C		gLS2		15	70 - C30
l ProrometPaEe	5p60	506C		gLS2		80	70 - C30
cis-CX5-DicProroetPeEe	5p60	546C		gLS2		1u	70 - C30
cis-CX3-DicProrozrozeEe	5p60	5367		gLS2		1p	70 - C30
DicProrobromometPaEe	5p60	556l		gLS2		15	70 - C30
DicProro, i(rgorometPaEe	p060	p168		gLS2		C50	70 - C30
RtPdnetPer	5p60	5468		gLS2		11	70 - C30
RtPdnbeEBeEe	5p60	536u		gLS2		14	70 - C30
RtPdne Ee Dibromi, e	5p60	546C		gLS2		1u	70 - C30
Xe. acProrobgta, ie Ee	5p60	5p67		gLS2		C03	70 - C30

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-109114/4
Matrix: Water
Analysis Batch: 109114

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
IsozrozdnetPer	5p60	5p6C		gLS2		C00	70 - C30
IsozrozdrbeEBeEe	5p60	536u		gLS2		1p	70 - C30
NetPdntert-bgtdnetPer	5p60	5567		gLS2		1C	70 - C30
NetPdreEe I Prori, e	5p60	536C		gLS2		15	70 - C30
m-&dreEe V z-&dreEe	p060	476I		gLS2		1u	70 - C30
h azPtPareEe	5p60	546p		gLS2		18	70 - C30
E-f gtdrbeEBeEe	5p60	5460		gLS2		1u	70 - C30
h-j rozdrbeEBeEe	5p60	536C		gLS2		15	70 - C30
o-&dreEe	5p60	5368		gLS2		1p	70 - C30
sec-f gtdrbeEBeEe	5p60	546C		gLS2		1u	70 - C30
WtdreEe	5p60	5368		gLS2		1p	70 - C30
Tert-amdnmetPdnetPer	5p60	5p60		gLS2		C00	70 - C30
Tert-bgtdnetPdnetPer	5p60	5463		gLS2		17	70 - C30
tert-f gtdrbeEBeEe	5p60	5p6C		gLS2		C00	70 - C30
TetracProroetPeEe	5p60	5765		gLS2		C01	70 - C30
TetraPd, ro(graE	C5p	CC4		gLS2		1C	70 - C30
TorgeEe	5p60	546C		gLS2		1u	70 - C30
traEs-CX5-DicProroetPeEe	5p60	5463		gLS2		17	70 - C30
traEs-CX3-DicProrozrozeEe	5p60	556I		gLS2		15	70 - C30
TricProroetPeEe	5p60	5467		gLS2		11	70 - C30
TricProro(rgoromet PaEe	5p60	5468		gLS2		11	70 - C30
9iEdncProri, e	5p60	556p		gLS2		10	70 - C30
DibromometPaEe	5p60	5464		gLS2		18	70 - C30

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tmeut 6t -dD (Surr)	*98*		*80 - 140*
1,/-i bcaemmt han6t -d7 (Surr)	*91*		*80 - 140*
7-Brmf mleummot 6zt 6t (Surr)	*10/*		*80 - 140*

Lab Sample ID: LCSD 480-109114/5
Matrix: Water
Analysis Batch: 109114

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
CXCX5-TetracProroetPaEe	5p60	536p		gLS2		14	70 - C30	u	50
CXCC-TricProroetPaEe	5p60	5C67		gLS2		87	70 - C30	7	50
CXCX5x5-TetracProroetPaEe	5p60	5368		gLS2		1p	70 - C30	5	50
CXCX5-TricProroetPaEe	5p60	546C		gLS2		1u	70 - C30	3	50
CXC-DicProroetPaEe	5p60	5568		gLS2		1C	70 - C30	4	50
CXC-DicProroetPeEe	5p60	536p		gLS2		14	70 - C30	5	50
CXC-DicProrozrozeEe	5p60	5364		gLS2		14	70 - C30	p	50
CX5x3-TricProrobeEBeEe	5p60	5p60		gLS2		C00	70 - C30	4	50
CX5x3-TricProrozrozaEe	5p60	5p6C		gLS2		C00	70 - C30	5	50
CX5x4-TricProrobeEBeEe	5p60	5u60		gLS2		C04	70 - C30	5	50
CX5x4-TrimetPdrbeEBeEe	5p60	5564		gLS2		10	70 - C30	4	50
CX5-Dibromo-3-I Prorozroza Ee	5p60	5365		gLS2		13	70 - C30	0	50
CX5-DicProrobeEBeEe	5p60	5364		gLS2		14	70 - C30	4	50
CX5-DicProroetPaEe	5p60	5C6p		gLS2		8u	70 - C30	p	50

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-109114/5
Matrix: Water
Analysis Batch: 109114

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cx5-DicProrozrozaEe	5p60	5360		gLS2		15	70 - C30	3	50
Cx8xp-TrimetPdnbeEBeEe	5p60	5568		gLS2		1C	70 - C30	p	50
Cx8-DicProrobeEBeEe	5p60	536p		gLS2		14	70 - C30	5	50
Cx8-DicProrozrozaEe	5p60	5360		gLS2		15	70 - C30	C	50
Cx4-DicProrobeEBeEe	5p60	5363		gLS2		13	70 - C30	u	50
Cx4-Dio. aEe	C000	175		gLS2		17	70 - C30	C	50
5x5-DicProrozrozaEe	5p60	5C8u		gLS2		87	70 - C30	8	50
5-f gtaEoEe kNR) H	C5p	Cu0		gLS2		C58	70 - C30	C	50
5-I Prorotorg eEe	5p60	5364		gLS2		13	70 - C30	3	50
5-Xe. aEoEe	C5p	C08		gLS2		8u	70 - C30	5	50
4-I Prorotorg eEe	5p60	5360		gLS2		15	70 - C30	C0	50
4-Isozrozdnorg eEe	5p60	536p		gLS2		14	70 - C30	4	50
4-NetPdn5-zeEtaEoEe kNIf) H	C5p	C01		gLS2		87	70 - C30	5	50
AcetoEe	C5p	C07		gLS2		8u	70 - C30	3	50
f eEBeEe	5p60	5561		gLS2		15	70 - C30	4	50
f romobeEBeEe	5p60	5363		gLS2		13	70 - C30	3	50
f romo(orm	5p60	5360		gLS2		15	70 - C30	3	50
f romometPaEe	5p60	5465		gLS2		17	70 - C30	7	50
I arboE , isgnri, e	5p60	5C63		gLS2		8p	70 - C30	7	50
I arboE tetracProri, e	5p60	5C88		gLS2		87	70 - C30	4	50
I ProrobeEBeEe	5p60	5367		gLS2		1p	70 - C30	4	50
I ProrobromometPaEe	5p60	5p63		gLS2		C0C	70 - C30	3	50
I Proro, ibromometPaEe	5p60	5368		gLS2		1p	70 - C30	0	50
I ProroetPaEe	5p60	536C		gLS2		13	70 - C30	u	50
I Proro(orm	5p60	5567		gLS2		1C	70 - C30	5	50
I ProrometPaEe	5p60	5C88		gLS2		87	70 - C30	8	50
cis-Cx5-DicProroetPeEe	5p60	5465		gLS2		17	70 - C30	0	50
cis-Cx8-DicProrozrozeEe	5p60	5364		gLS2		14	70 - C30	C	50
DicProrobromometPaEe	5p60	556p		gLS2		10	70 - C30	5	50
DicProro, i(rgorometPaEe	p060	pu6C		gLS2		CC5	70 - C30	u	50
RtPdnetPer	5p60	5368		gLS2		1p	70 - C30	4	50
RtPdnbeEBeEe	5p60	5360		gLS2		15	70 - C30	5	50
RtPdreEe Dibromi, e	5p60	536u		gLS2		1p	70 - C30	5	50
Xe. acProrobgta, ieEe	5p60	5464		gLS2		18	70 - C30	p	50
IsozrozdnetPer	5p60	546p		gLS2		18	70 - C30	5	50
IsozrozdnbeEBeEe	5p60	5567		gLS2		1C	70 - C30	4	50
NetPdntert-bgtdnetPer	5p60	5563		gLS2		81	70 - C30	5	50
NetPdreEe I Prori, e	5p60	5C81		gLS2		88	70 - C30	p	50
m-&dreEe V z-&dreEe	p060	4u6p		gLS2		13	70 - C30	3	50
h azPtPareEe	5p60	546u		gLS2		18	70 - C30	0	50
E-f gtdnbeEBeEe	5p60	5564		gLS2		10	70 - C30	7	50
h -j rozdnbeEBeEe	5p60	5565		gLS2		81	70 - C30	4	50
o-&dreEe	5p60	536p		gLS2		14	70 - C30	5	50
sec-f gtdnbeEBeEe	5p60	5360		gLS2		15	70 - C30	p	50
WtdreEe	5p60	536p		gLS2		14	70 - C30	5	50
Tert-amdnmetPdnetPer	5p60	546C		gLS2		1u	70 - C30	4	50
Tert-bgtdnetPdnetPer	5p60	5361		gLS2		1p	70 - C30	5	50
tert-f gtdnbeEBeEe	5p60	536u		gLS2		14	70 - C30	u	50

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-109114/5
Matrix: Water
Analysis Batch: 109114

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
TetracProroetPeEe			5p60	5p67		gLS2		C03	70 - C30	u	50
TetraPd, ro(graE			C5p	CC4		gLS2		1C	70 - C30	0	50
TorgeEe			5p60	5365		gLS2		13	70 - C30	4	50
traEs-CX5-DicProroetPeEe			5p60	536u		gLS2		14	70 - C30	3	50
traEs-CX3-DicProrozrozeEe			5p60	556p		gLS2		10	70 - C30	5	50
TricProroetPeEe			5p60	5368		gLS2		1p	70 - C30	4	50
TricProro(rgoromet PaEe			5p60	546u		gLS2		18	70 - C30	C	50
9iEdncProri, e			5p60	5067		gLS2		83	70 - C30	8	50
DibromometPaEe			5p60	5367		gLS2		1p	70 - C30	3	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tmeut 6t -dD (Surr)	*92*		*80 - 140*
1,/-i bcaermt han6t -d7 (Surr)	*91*		*80 - 140*
7-Brmf mleummot 6zt 6t (Surr)	*100*		*80 - 140*

Method: 522 MOD - 1,4 Dioxane (GC/MS SIM)

Lab Sample ID: MB 200-53504/1-A
Matrix: Water
Analysis Batch: 53519

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 53504

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
CX4-Dio. aEe	h D		0650		gLS2		03S57SC3 C4:0p	03S57SC3 C8:C5	C

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,7-i bmxn6t -dD (Surr)	*89*		*80 - 140*	*043' 83l4 17:05*	*043' 83l4 1D:1/*	*1*

Lab Sample ID: LCS 200-53504/2-A
Matrix: Water
Analysis Batch: 53519

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 53504

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
CX4-Dio. aEe			8600	u6u7		gLS2		83	70 - C30		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,7-i bmxn6t -dD (Surr)	*D7*		*80 - 140*

GC/MS VOA

Analysis Batch: 108964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34934-1	MW1024D-20130322-01	Total/NA	Water	8260C	
480-34934-2	MW1016D-20130322-01	Total/NA	Water	8260C	
480-34934-2 MS	MW1016D-20130322-01	Total/NA	Water	8260C	
480-34934-2 MSD	MW1016D-20130322-01	Total/NA	Water	8260C	
LCS 480-108964/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-108964/5	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 480-108964/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 109114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34934-3	MW1003-20130322-01	Total/NA	Water	8260C	
480-34934-4	MW1014-20130322-01	Total/NA	Water	8260C	
480-34934-5	MW1026D-20130322-01	Total/NA	Water	8260C	
480-34934-6	MW1013-20130322-01	Total/NA	Water	8260C	
480-34934-7	MW1002B-20130322-01	Total/NA	Water	8260C	
480-34934-8	MW1002M-20130322-01	Total/NA	Water	8260C	
480-34934-9	TB003-20130322-01	Total/NA	Water	8260C	
LCS 480-109114/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-109114/5	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 480-109114/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 109279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34934-1	MW1024D-20130322-01	Total/NA	Water	8260B SIM	
480-34934-5	MW1026D-20130322-01	Total/NA	Water	8260B SIM	
LCS 480-109279/3	Lab Control Sample	Total/NA	Water	8260B SIM	
LCSD 480-109279/4	Lab Control Sample Dup	Total/NA	Water	8260B SIM	
MB 480-109279/5	Method Blank	Total/NA	Water	8260B SIM	

GC/MS Semi VOA

Prep Batch: 53504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34934-1	MW1024D-20130322-01	Total/NA	Water	3535A	
480-34934-5	MW1026D-20130322-01	Total/NA	Water	3535A	
LCS 200-53504/2-A	Lab Control Sample	Total/NA	Water	3535A	
MB 200-53504/1-A	Method Blank	Total/NA	Water	3535A	

Analysis Batch: 53519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-34934-1	MW1024D-20130322-01	Total/NA	Water	522 MOD	53504
480-34934-5	MW1026D-20130322-01	Total/NA	Water	522 MOD	53504
LCS 200-53504/2-A	Lab Control Sample	Total/NA	Water	522 MOD	53504
MB 200-53504/1-A	Method Blank	Total/NA	Water	522 MOD	53504

Client Sample ID: MW1024D-20130322-01

Lab Sample ID: 480-34934-1

Date Collected: 03/22/13 10:20

Matrix: Water

Date Received: 03/23/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TotaljNA	AnalWsis	8d20C		7	708624	03jdLj73 78:LL	RH	TAHBUF
TotaljNA	AnalWsis	8d20B / IM		7	706dp6	03jd2j73 d3:d3	TRB	TAHBUF
TotaljNA	1re5	3L3LA			L3L04	03jdpj73 74:0L	JAB	TAHBUR
TotaljNA	AnalWsis	Ldd MOD		7	L3L76	03jdpj73 d0:07	RJ9	TAHBUR

Client Sample ID: MW1016D-20130322-01

Lab Sample ID: 480-34934-2

Date Collected: 03/22/13 09:15

Matrix: Water

Date Received: 03/23/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TotaljNA	AnalWsis	8d20C		7	708624	03jdLj73 76:78	RH	TAHBUF

Client Sample ID: MW1003-20130322-01

Lab Sample ID: 480-34934-3

Date Collected: 03/22/13 11:25

Matrix: Water

Date Received: 03/23/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TotaljNA	AnalWsis	8d20C		7	706774	03jd2j73 04:3L	TRF	TAHBUF

Client Sample ID: MW1014-20130322-01

Lab Sample ID: 480-34934-4

Date Collected: 03/22/13 10:55

Matrix: Water

Date Received: 03/23/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TotaljNA	AnalWsis	8d20C		7	706774	03jd2j73 04:L6	TRF	TAHBUF

Client Sample ID: MW1026D-20130322-01

Lab Sample ID: 480-34934-5

Date Collected: 03/22/13 11:00

Matrix: Water

Date Received: 03/23/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TotaljNA	AnalWsis	8d20C		7	706774	03jd2j73 0L:d3	TRF	TAHBUF
TotaljNA	AnalWsis	8d20B / IM		7	706dp6	03jd2j73 d3:48	TRB	TAHBUF
TotaljNA	1re5	3L3LA			L3L04	03jdpj73 74:0L	JAB	TAHBUR
TotaljNA	AnalWsis	Ldd MOD		7	L3L76	03jdpj73 d0:72	RJ9	TAHBUR

Client Sample ID: MW1013-20130322-01

Lab Sample ID: 480-34934-6

Date Collected: 03/22/13 09:15

Matrix: Water

Date Received: 03/23/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TotaljNA	AnalWsis	8d20C		7	706774	03jd2j73 0L:42	TRF	TAHBUF

Lab Chronicle

Client: ERM-Northeast
1roPectj/ ite: ID/ S aWany

TestAmerica Job ID: 480-34634-7

Client Sample ID: MW1002B-20130322-01

Lab Sample ID: 480-34934-7

Date Collected: 03/22/13 10:30

Matrix: Water

Date Received: 03/23/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TotaljNA	AnalWsis	8d20C		7	706774	03jd2j73 02:70	TRF	TAHBUF

Client Sample ID: MW1002M-20130322-01

Lab Sample ID: 480-34934-8

Date Collected: 03/22/13 08:45

Matrix: Water

Date Received: 03/23/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TotaljNA	AnalWsis	8d20C		7	706774	03jd2j73 02:34	TRF	TAHBUF

Client Sample ID: TB003-20130322-01

Lab Sample ID: 480-34934-9

Date Collected: 03/22/13 00:00

Matrix: Water

Date Received: 03/23/13 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TotaljNA	AnalWsis	8d20C		7	706774	03jd2j73 02:L8	TRF	TAHBUF

Laboratory References:

TAHBUF = TestAmerica Buffalo, 70 9azelwooy Drive, Amherst, NY 74dd8-dd68, TEH(p72)267-d200

TAHBUR = TestAmerica Burlington, 30 CommunitWDrive, / uite 77, / outh Burlington, VT 0L403, TEH(80d)220-7660

Certification Summary

Client: ERM-Northeast
1roPectj/ ite: ID/ S aWlany

TestAmerica Job ID: 480-34634-7

Laboratory: TestAmerica Buffalo

All certidcations hely bWthis laboratorWare listeyf Not all certidcations are a. . licable to this re. ortf

Authority	Program	EPA Region	Certification ID	Expiration Date
Arpansas DEk	/ tate 1roLram	g	88-0g8g	0Q-0g-73
Calidornia	NE9A1	6	77g6CA	06-30-73
Connecticut	/ tate 1roLram	7	1H-05g8	06-30-74
Floriya	NE9A1	4	E8QgQ2	0g-30-73
GeorLia	/ tate 1roLram	4	NjA	03-37-73
GeorLia	/ tate 1roLram	4	65g	0g-30-73
GeorLia	/ tate 1roLram	4	65g	0g-30-73
Illinois	NE9A1	5	200003	06-30-73
Iowa	/ tate 1roLram	Q	3Q4	03-07-73
Kansas	NE9A1	Q	E-7078Q	07-37-74
KentucpW	/ tate 1roLram	4	60026	72-37-73
KentucpW(U/ T)	/ tate 1roLram	4	30	04-07-73
9ouisiana	NE9A1	g	02037	0g-30-73
Maine	/ tate 1roLram	7	NY00044	72-04-73
MarWlany	/ tate 1roLram	3	264	03-37-73
Massachusetts	/ tate 1roLram	7	M-NY044	0g-30-73
MichiLan	/ tate 1roLram	5	663Q	04-07-73
Minnesota	NE9A1	5	03g-666-33Q	72-37-73
New Ham. shire	NE9A1	7	26Q3	06-77-73
New Ham. shire	NE9A1	7	233Q	77-7Q-73
New JerseW	NE9A1	2	NY455	0g-30-73
New Yorp	NE9A1	2	7002g	03-37-73
North Dapota	/ tate 1roLram	8	R-7Qg	03-37-73
Oplahoma	/ tate 1roLram	g	6427	08-37-73
OreLon	NE9A1	70	NY200003	0g-06-73
1ennsWlvania	NE9A1	3	g8-00287	0Q-37-73
Rhoye Islany	/ tate 1roLram	7	9AO00328	72-37-73
Tennessee	/ tate 1roLram	4	TN026Q0	04-07-73
Texas	NE9A1	g	T704Q04472-77-2	0Q-37-73
U/ DA	Feyeral		1330-77-0038g	77-22-74
VirLinia	NE9A1	3	4g0785	06-74-73
S ashinLton	/ tate 1roLram	70	CQ84	02-70-74
S est VirLinia DE1	/ tate 1roLram	3	252	06-30-73
S isconsin	/ tate 1roLram	5	668370360	08-37-73

Laboratory: TestAmerica Burlington

All certidcations hely bWthis laboratorWare listeyf Not all certidcations are a. . licable to this re. ortf

Authority	Program	EPA Region	Certification ID	Expiration Date
Connecticut	/ tate 1roLram	7	1H-0Q57	06-30-73
DE Hazf / ubstf Cleanu. Act (H/ CA)	/ tate 1roLram	3	NA	02-73-75
Floriya	NE9A1	4	E8Q4gQ	0g-30-73
9-A-B	DoD E9A1		9233g	70-2g-73
9ouisiana	NE9A1	g	7Qg262	0g-30-73
Maine	/ tate 1roLram	7	VT00008	04-7Q-73
Minnesota	NE9A1	5	050-666-43g	72-37-73
New Ham. shire	NE9A1	7	200g70	72-78-73
New JerseW	NE9A1	2	VT6Q2	0g-30-73
New Yorp	NE9A1	2	70367	04-07-73
1ennsWlvania	NE9A1	3	g8-00486	04-30-73
Rhoye Islany	/ tate 1roLram	7	9AO00268	72-30-73
U/ DA	Feyeral		1330-77-00063	02-7Q-74

Certification Summary

Client: ERM-Northeast
1roPectj/ ite: ID/ S aWany

TestAmerica Job ID: 480-34634-7

Laboratory: TestAmerica Burlington (Continued)

All certidcations hely bWthis laboratorWare listeyf Not all certidcations are a. . licable to this re. ortf

Authority	Program	EPA Region	Certification ID	Expiration Date
Vermont	/ tate 1roLram	7	VT-4000	72-37-73
VirLinia	NE9A1	3	4g0206	72-74-73

Method Summary

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34734-1

Method	Method Description	Protocol	Laboratory
8260B SIM	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF
8260C	Volatile Organic Compounds (GC/MS)	MA DEP	TAL BUF
522 MOD	1,4 Dioxane (GC/MS SIM)	EPA	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

MA DEP = Massachusetts Department Of Environmental Protection

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1786 And Its Updates9

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 . aHelz ood Drive, Amherst, Nw 14228-2278, TEL (Y16)671-2600

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1770

Sample Summary

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-34934-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-34934-1	MW1024D-20130322-01	Water	03/22/13 10:20	03/23/13 08:30
480-34934-2	MW1016D-20130322-01	Water	03/22/13 09:15	03/23/13 08:30
480-34934-3	MW1003-20130322-01	Water	03/22/13 11:25	03/23/13 08:30
480-34934-4	MW1014-20130322-01	Water	03/22/13 10:55	03/23/13 08:30
480-34934-5	MW1026D-20130322-01	Water	03/22/13 11:00	03/23/13 08:30
480-34934-6	MW1013-20130322-01	Water	03/22/13 09:15	03/23/13 08:30
480-34934-7	MW1002B-20130322-01	Water	03/22/13 10:30	03/23/13 08:30
480-34934-8	MW1002M-20130322-01	Water	03/22/13 08:45	03/23/13 08:30
480-34934-9	TB003-20130322-01	Water	03/22/13 00:00	03/23/13 08:30

Login Sample Receipt Checklist

Client: ERM-Northeast

Job Number: 480-34134-/

Login Number: 34934
List Number: 1
Creator: Kolb, Chris M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Racioavtiyitweither , as not measurec orf ikmeasurecf is at or belo, bavgTrounc	NAd	
' he voolerps vustocwsealf ik. resentf is intavtS	' rue	
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Oam. les , ere reveiyec on iveS	' rue	
Cooler ' em. erature is avve. tableS	' rue	
Cooler ' em. erature is revorcecS	' rue	
CI C is . resentS	' rue	
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d. . ro. riate sam. le vontainers are usecS	' rue	
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Oam. le Vreseryation qerikiec	' rue	
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Fknevessarwf stakkhaye been inkormec okanwshort holc time or <uivg ' d' neecs	' rue	
Multi. hasiv sam. les are not . resentS	' rue	
Oam. les co not re<uire s. littinT or vom. ositinTS	' rue	
Oam. linT Com. anw. royicecS	' rue	
Oam. les reveiyec , ithin 48 hours oksam. linTS	' rue	
Oam. les re<uirinT kielc kiltration haye been kilterec in the kielcS	' rue	
Chlorine Resicual vhevgecS	NAd	

Login Sample Receipt Checklist

Client: ERM-Northeast

Job Number: 480-34134-/

Login Number: 34934
List Number: 1
Creator: Poucher, Stephanie A

List Source: TestAmerica Burlington
List Creation: 03/26/13 12:10 PM

Question	Answer	Comment
Racioavtiyitw, asnpb vhevgec or is 6AL bavgTrounc as measurec bwa suryewmeterS	NAd	7ab coes not avve. t racioavtiye sam. lesS
' he voolerps vustocwsealf ik. resentf is intavtS	' rue	508(04
Oam. le vustocwsealsf ik. resentf are intavtS	' rue	
' he vooler or sam. les co not a. . ear to haye been vom. romisec or tam. erec , ithS	' rue	
Oam. les , ere reveiyec on iveS	' rue	
Cooler ' em. erature is avve. tableS	' rue	
Cooler ' em. erature is revorcecS	' rue	9S4°C FR GUN FH / 8/ SC? 0
CI C is . resentS	' rue	
CI C is killec out in ing anc leTibleS	' rue	
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' here are no cisvre. anvies bet, een the vontainers reveiyec anc the CI CS	' rue	
Oam. les are reveiyec , ithin PolcinT ' imeS	' rue	
Oam. le vontainers haye leTible labelsS	' rue	
Containers are not brogen or leaginTS	' rue	
Oam. le vollevtion cateAimes are . royicecS	' rue	
d. . ro. riate sam. le vontainers are usecS	' rue	
Oam. le bottles are vom. letelwkillecS	' rue	
Oam. le Vreseryation qerikiecS	' rue	
' here is sukkivient yolSkor all re<uestec analwsesf invlSanwre<uestec MOAMOHs	' rue	
Containers re<uirinT zero heacs. ave haye no heacs. ave or bubble is 6(mm "/ A4)=S	' rue	
Multi. hasiv sam. les are not . resentS	' rue	
Oam. les co not re<uire s. littinT or vom. ositinTS	' rue	
Resicual Chlorine ChevgecS	NAd	Chevg cone at ce. artment leyel as re<uirecS

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

Boston Service Center
240 Bear Hill Rd. Suite 104
Waltham, MA 02451
Phone (781) 466-6900 Fax (781) 466-6901

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Stacey Braga	Lab PM:	Carrier Tracking No(s):	COC No: 22961
Client Contact: Jason Flattery	Phone: 978-875-0426	E-Mail:		Page: 1/2
Company: ERM				Job #: 480-34934
Address: 1 Beacon St, 5th Floor	Due Date Requested:			
City: Boston	TAT Requested (days):			
State, Zip: MA 02108				
Phone: 617-447-0757	Quote #:			
Email: Jason.Flattery@erm.com	PO #:			
Project Name/number: 0167058	WO #:			
Site: Raytheon Wayland	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; H - Ascorbic Acid; I - Ice; J - DI Water; M - Hexane; N - None; P - Na2O4S; Q - Na2SO3; R - Na2S2SO3; S - H2SO4; Z - other (specify)

Regulatory programs: MCP [X] GW1/S1 [ ]; RCP [ ] CT RSR [ ]; DEP Form [ ] EDD Required [ ]

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Sampler's Initials	Field Filtered Sample?	Perform MS/MSD?	8260 HCP	8260 SIM 1,4 Dioxane	522 1,4 Dioxane	Total Number of containers	Special Instructions/Note:
Preservation Code:												
MW1024D-20130322-01	3/22/13	10:20		W	SC			3	2	1		
MW1016D-20130322-01	3/22/13	9:15		W	SC			3				
MW1016D-20130322-01-MS	3/22/13	9:15		W	SC			3				
MW1016D-20130322-01-MSD	3/22/13	9:15		W	SC			3				
MW1003-20130322-01	3/22/13	11:25		W	SC			3				
MW1014-20130322-01	3/22/13	10:55		W	SC			3				
MW1026D-20130322-01	3/22/13	11:00		W	SB			3	2	1		
MW1013-20130322-01	3/22/13	9:15		W	SB			3				
MW1002B-20130322-01	3/22/13	10:30		W	CL			3				
MW-1002M-20130322-01	3/22/13	8:45		W	CL			3				

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [ ] Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): [ ] Return To Client [X] Disposal By Lab [ ] Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

	Date/Time	Company		Date/Time	Company
Relinquished by:	3/22/13 13:05	ERM	Received by:	3/22/13 1305	TAL
Relinquished by:	3/22/13 163	TAL	Received by:	3-23-13 0830	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: #2 3.4

TAL-8245-360 1111

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

Boston Service Center
240 Bear Hill Rd. Suite 104
Waltham, MA 02451
Phone (781) 466-6900 Fax (781) 466-6901

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Stacey Bragg	Lab PM:	Carrier Tracking No(s):	COC No: 22955
Client Contact: Jason Flattery	Phone: 978-875-0426	E-Mail:		Page: 2/2
Company: ERM				Job #: 480-34934
Address: 1 Beacon St, 5th Floor	Due Date Requested:			
City: Boston	TAT Requested (days):			
State, Zip: MA 02108				
Phone: 1-617-447-0757	Quote #:			
Email: Jason.Flattery@erm.com	PO #:			
Project Name/number:	WO #:			
Site: Raytheon Wayland	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; H - Ascorbic Acid; I - Ice; J - DI Water; M - Hexane; N - None; P - Na2O4S; Q - Na2SO3; R - Na2S2SO3; S - H2SO4; Z - other (specify)

Regulatory programs:
MCP [X] GW1/S1 [ ]
RCP [ ] CT RSR [ ]
DEP Form [ ] EDD Required [ ]

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Sampler's Initials	Field Filtered Sample?	Perform MS/MSD?	8260 Mee	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	X			
TB003-20130322-01	3/22/13			W				/		

Possible Hazard Identification
[X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [ ] Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
[ ] Return To Client [X] Disposal By Lab [ ] Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

	Date/Time	Company		Date/Time	Company
Relinquished by:	3/22/13 13:05	ERM	Received by:	3/22/13 1305	TAL
Relinquished by:	3/22/13 1630	TAL	Received by:	3-23-13 0830	TAL
Relinquished by:			Received by:		

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: #2 3.4

TAL-8245-360 1111

Page 50 of 50
3/26/2013

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-35387-1
Client Project/Site: IDS Wayland

For:
Innovative Engineering Solutions, Inc
25 Spring Street
Walpole, Massachusetts 02081

Attn: Vicki Pariyar

Authorized for release by:
4/9/2013 11:46:00 AM

Becky Mason
Project Manager II
becky.mason@testamericainc.com

NOTE: All of the samples in this report, with the exception of MW-263M, MW-264M, DEP-19M, DEP-21, and DUP-X3, were collected from the Koffler Group, Inc property. The samples noted above that are located on other properties have been grayed out for ease of review.

Table of Contents

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
X	Surrogate is outside control limits
F	MS or MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-35387-1

Laboratory: TestAmerica Buffalo

Narrative

CASE NARRATIVE

Client: Innovative Engineering Solutions, Inc

Project: IDS Wayland

Report Number: 480-35387-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 04/02/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.0 C.

Note: All samples that require thermal preservation are considered acceptable if the arrival temperature is within the method's specified temperature range or for general analysis, ranging from 6°C to just above the freezing temperature of water. Samples that are hand delivered, immediately following collection, may not meet these criteria; however, they will be considered acceptable according to NELAC and State standards, if there is evidence that the chilling process has begun, such as stored and transported to the laboratory on ice.

VOLATILE ORGANIC COMPOUNDS (GC-MS SIM)

Samples MW-261S-2013 0401 (480-35387-3), MW-265M-2013 0329-01 (480-35387-7), MW-266Ma-2013 0329-01 (480-35387-9), MW-267S-2013 0329-01 (480-35387-11), MW-268M-2013 0329-01 (480-35387-13), MW-269Ma-2013 0329-01 (480-35387-15), MW-552-2013 0329-01 (480-35387-17), DUPX2-2013 0329-01 (480-35387-34) and Trip Blank (480-35387-36) were analyzed for volatile organic compounds (GC-MS SIM) in accordance with EPA SW-846 Method 8260B SIM. The samples were analyzed on 04/03/2013.

Surrogate recovery for the following sample was outside control limits: MW-552-2013 0329-01 (480-35387-17). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Samples MW-261S-2013 0401 (480-35387-3)[4X], MW-265M-2013 0329-01 (480-35387-7)[4X] and MW-552-2013 0329-01 (480-35387-17)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the VOA SIM analyses.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples DEP-19M-2013 0401-01 (480-35387-1), DEP-21-2013 0401-01 (480-35387-2), MW-261S-2013 0401 (480-35387-3), MW-263M-2013 0401 (480-35387-4), MW-264M-2013 0401 (480-35387-5), MW-265S-2013 0401 (480-35387-6), MW-265M-2013 0329-01 (480-35387-7), MW-265D-2013 0401-01 (480-35387-8), MW-266Ma-2013 0329-01 (480-35387-9), MW-266Mb-2013 0401-01 (480-35387-10), MW-267S-2013 0329-01 (480-35387-11), MW-267M-2013 0329-01 (480-35387-12), MW-268M-2013 0329-01 (480-35387-13), MW-268D-2013 0401 (480-35387-14), MW-269Ma-2013 0329-01 (480-35387-15), MW-551-2013 0329-01 (480-35387-16), MW-552-2013 0329-01 (480-35387-17), MW-553-2013 0329-01 (480-35387-18), MW-560-2013 0329-01 (480-35387-19),

Job ID: 480-35387-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

MW-561-2013 0329-01 (480-35387-20), MW-562-2013 0329-01 (480-35387-21), MW-563-2013 0329-01 (480-35387-22), REW-1-2013 0328-01 (480-35387-23), REW-4-2013 0328-01 (480-35387-24), REW-5-2013 0328-01 (480-35387-25), REW-6-2013 0329-01 (480-35387-26), REW-7-2013 0401-01 (480-35387-27), REW-8-2013 0328-01 (480-35387-28), REW-9-2013 0328-01 (480-35387-29), REW-10-2013 0328-01 (480-35387-30), REW-11-2013 0329-01 (480-35387-31), REW-12-2013 0328-01 (480-35387-32), DUPX1-2013 0328-01 (480-35387-33), DUPX2-2013 0329-01 (480-35387-34), DUPX3-2013 0401-01 (480-35387-35) and Trip Blank (480-35387-36) were analyzed for volatile organic compounds (GC-MS) in accordance with SW846 8260C. The samples were analyzed on 04/04/2013, 04/05/2013 and 04/06/2013.

The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: MW-261S-2013 0401 (480-35387-3), MW-265M-2013 0329-01 (480-35387-7), MW-267M-2013 0329-01 (480-35387-12), MW-551-2013 0329-01 (480-35387-16), MW-553-2013 0329-01 (480-35387-18) (480-35387-7 MS), (480-35387-7 MSD), MW-265M-2013 0329-01 (480-35387-7), MW-267M-2013 0329-01 (480-35387-12), MW-267S-2013 0329-01 (480-35387-11), MW-268M-2013 0329-01 (480-35387-13), MW-551-2013 0329-01 (480-35387-16), MW-552-2013 0329-01 (480-35387-17), MW-553-2013 0329-01 (480-35387-18), MW-561-2013 0329-01 (480-35387-20), MW-562-2013 0329-01 (480-35387-21), REW-4-2013 0328-01 (480-35387-24), MW-563-2013 0329-01 (480-35387-22), REW-1-2013 0328-01 (480-35387-23), REW-4-2013 0328-01 (480-35387-24), REW-5-2013 0328-01 (480-35387-25), REW-6-2013 0329-01 (480-35387-26), REW-7-2013 0401-01 (480-35387-27), REW-8-2013 0328-01 (480-35387-28), REW-9-2013 0328-01 (480-35387-29), DUPX1-2013 0328-01 (480-35387-33), REW-11-2013 0329-01 (480-35387-31), REW-12-2013 0328-01 (480-35387-32) . Elevated reporting limits (RLs) are provided.

The laboratory control sample (LCS) and / or the laboratory control sample duplicate (LCSD) for batch 111019 exceeded control limits for the following analytes: Chloroethane. MCP protocol allows for 10% of the target compounds to be outside of the limits provided the recoveries are over 10%.

The laboratory control sample (LCS) and / or the laboratory control sample duplicate (LCSD) for batch 111260 exceeded control limits for the following analytes: Acetone and Dichlorodifluoromethane. MCP protocol allows for 10% of the target compounds to be outside of the limits provided the recoveries are over 10%.

2,2-Dichloropropane, Acetone and Bromoform failed the recovery criteria low for the MS of sample MW-265M-2013 0329-01MS (480-35387-7) in batch 480-111019.

2,2-Dichloropropane, Acetone and Carbon disulfide failed the recovery criteria low for the MSD of sample MW-265M-2013 0329-01MSD (480-35387-7) in batch 480-111019.

2,2-Dichloropropane and Trichloroethene failed the recovery criteria low for the MS of sample 480-35540-7 in batch 480-111112.

2,2-Dichloropropane, Acetone and Trichloroethene failed the recovery criteria low for the MSD of sample 480-35540-7 in batch 480-111112. Acetone exceeded the rpd limit.

The continuing calibration verification (CCV) for Carbon tetrachloride, Chloroethane, 4-Chlorotoluene, 1.2-Dichloroethane, 1,1,1-Trichloroethane, and 2,2-Dichloropropane associated with batch 111112 recovered above the MCP upper control limit. MCP protocol allows for 20% of the target compounds to be outside the 20% difference but not over 40% difference.

The continuing calibration verification (CCV) for 2-Hexanone, Acetone, Dichlorodifluoromethane, 1,2-Dichloroethane, and 4-Methyl-2-pentanone (MIBK) associated with batch 111260 recovered above the MCP upper control limit. MCP protocol allows for 20% of the target compounds to be outside the 20% difference but not over 40% difference.

The continuing calibration verification (CCV) for 1,2-Dichloroethane and 4-Chlorotoluene associated with batch 110854 recovered above the MCP upper control limit. MCP protocol allows for 20% of the target compounds to be outside the 20% difference but not over 40% difference.

No other difficulties were encountered during the volatile organic compounds (GC-MS) analyses.

All other quality control parameters were within the acceptance limits.

MassDEP Analytical Protocol Certification Form

Laboratory Name: **TestAmerica Buffalo** Project #: **480-35387-1**

Project Location: **IDS Wayland** RTN:

This form provides certifications for the following data set: list Laboratory Sample ID Number(s):

480-35381-1[1-36]

Matrices: [X] Groundwater/Surface Water [ ] Soil/Sediment [ ] Drinking Water [ ] Air [ ] Other:

CAM Protocols (check all that apply below):

8260 VOC CAM II A [X]	7470/7471 Hg CAM III B [ ]	Mass DEP VPH CAM IV A [ ]	8081 Pesticides CAM V B [ ]	7196 Hex Cr CAM VI B [ ]	Mass DEP APH CAM IX A [ ]
8270 SVOC CAM II B [ ]	6010 Metals CAM III C [ ]	Mass DEP EPH CAM IV B [ ]	8151 Herbicides CAM V C [ ]	8330 Explosives CAM VIII A [ ]	TO-15 VOC CAM IX B [ ]
6010 Metals CAM III A [ ]	6020 Metals CAM III D [ ]	8082 PCB CAM V A [ ]	9014 Total Cyanide/PAC CAM VI A [ ]	6860 Perchlorate CAM VIII B [ ]	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding time.	[X] Yes [ ] No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	[X] Yes [ ] No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	[X] Yes [ ] No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	[X] Yes [ ] No
E	a. VPH, EPH and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	[ ] Yes [ ] No [ ] Yes [ ] No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	[X] Yes [ ] No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	[ ] Yes [X] No[1]

***Data User Note:* Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WCS-07-350**

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	[ ] Yes [X] No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s) ?	[X] Yes [ ] No[1]

[1] All negative responses must be addressed in an attached laboratory narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, is accurate and complete.

Signature: Becky Mason Position: Project Manager

Printed Name: Becky Mason Date: 4/9/13 11:44

This form has been electronically signed and approved

Detection Summary

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

Client Sample ID: DEP-19M-2013 0401-01 — Lab Sample ID: 480-35387-1

No Detections.

Client Sample ID: DEP-21-2013 0401-01 — Lab Sample ID: 480-35387-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4.8		1.0		ug/L	1		8260C	Total/NA
Trichloroethene	1.2		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: MW-261S-2013 0401 — Lab Sample ID: 480-35387-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	52000		10000		ug/L	200		8260C	Total/NA

Client Sample ID: MW-263M-2013 0401 — Lab Sample ID: 480-35387-4

No Detections.

Client Sample ID: MW-264M-2013 0401 — Lab Sample ID: 480-35387-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	6.2		1.0		ug/L	1		8260C	Total/NA
Tetrachloroethene	1.5		1.0		ug/L	1		8260C	Total/NA
Trichloroethene	8.6		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: MW-265S-2013 0401 — Lab Sample ID: 480-35387-6

No Detections.

Client Sample ID: MW-265M-2013 0329-01 — Lab Sample ID: 480-35387-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	110		100		ug/L	10		8260C	Total/NA
cis-1,2-Dichloroethene	32		10		ug/L	10		8260C	Total/NA
Vinyl chloride	26		10		ug/L	10		8260C	Total/NA
Acetone - DL	7500		1300		ug/L	25		8260C	Total/NA

Client Sample ID: MW-265D-2013 0401-01 — Lab Sample ID: 480-35387-8

No Detections.

Client Sample ID: MW-266Ma-2013 0329-01 — Lab Sample ID: 480-35387-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	6.2		1.6		ug/L	1		8260B SIM	Total/NA
cis-1,2-Dichloroethene	9.1		1.0		ug/L	1		8260C	Total/NA
Trichloroethene	27		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: MW-266Mb-2013 0401-01 — Lab Sample ID: 480-35387-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	80		1.0		ug/L	1		8260C	Total/NA
Tetrachloroethene	13		1.0		ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-266Mb-2013 0401-01 (Continued) — Lab Sample ID: 480-35387-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	53		1.0		ug/L	1		8260C	Total/NA
Vinyl chloride	7.5		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: MW-267S-2013 0329-01 — Lab Sample ID: 480-35387-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	7.4		1.6		ug/L	1		8260B SIM	Total/NA
cis-1,2-Dichloroethene	72		5.0		ug/L	5		8260C	Total/NA
Tetrachloroethene	7.6		5.0		ug/L	5		8260C	Total/NA
Trichloroethene	370		5.0		ug/L	5		8260C	Total/NA

Client Sample ID: MW-267M-2013 0329-01 — Lab Sample ID: 480-35387-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	14		5.0		ug/L	5		8260C	Total/NA
Trichloroethene	350		5.0		ug/L	5		8260C	Total/NA
Vinyl chloride	20		5.0		ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene - DL	590		10		ug/L	10		8260C	Total/NA

Client Sample ID: MW-268M-2013 0329-01 — Lab Sample ID: 480-35387-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	14		1.6		ug/L	1		8260B SIM	Total/NA
cis-1,2-Dichloroethene	2100		25		ug/L	25		8260C	Total/NA
Tetrachloroethene	42		25		ug/L	25		8260C	Total/NA
Trichloroethene	1100		25		ug/L	25		8260C	Total/NA
Vinyl chloride	91		25		ug/L	25		8260C	Total/NA

Client Sample ID: MW-268D-2013 0401 — Lab Sample ID: 480-35387-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	9.3		1.0		ug/L	1		8260C	Total/NA
Trichloroethene	6.3		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: MW-269Ma-2013 0329-01 — Lab Sample ID: 480-35387-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	2.0		1.6		ug/L	1		8260B SIM	Total/NA
cis-1,2-Dichloroethene	2.2		1.0		ug/L	1		8260C	Total/NA
Trichloroethene	1.0		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: MW-551-2013 0329-01 — Lab Sample ID: 480-35387-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	240		100		ug/L	100		8260C	Total/NA
Vinyl chloride	130		100		ug/L	100		8260C	Total/NA
Acetone - DL	130000		20000		ug/L	400		8260C	Total/NA

Client Sample ID: MW-552-2013 0329-01 — Lab Sample ID: 480-35387-17

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-552-2013 0329-01 (Continued) — Lab Sample ID: 480-35387-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	3.7		3.2		ug/L	2		8260B SIM	Total/NA
Acetone	2900		400		ug/L	8		8260C	Total/NA
cis-1,2-Dichloroethene	320		8.0		ug/L	8		8260C	Total/NA
Trichloroethene	39		8.0		ug/L	8		8260C	Total/NA
Vinyl chloride	260		8.0		ug/L	8		8260C	Total/NA

Client Sample ID: MW-553-2013 0329-01 — Lab Sample ID: 480-35387-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone - DL	130000		20000		ug/L	400		8260C	Total/NA

Client Sample ID: MW-560-2013 0329-01 — Lab Sample ID: 480-35387-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	16		1.0		ug/L	1		8260C	Total/NA
Trichloroethene	3.3		1.0		ug/L	1		8260C	Total/NA
Vinyl chloride	1.4		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: MW-561-2013 0329-01 — Lab Sample ID: 480-35387-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	220		5.0		ug/L	5		8260C	Total/NA
trans-1,2-Dichloroethene	20		5.0		ug/L	5		8260C	Total/NA
Trichloroethene	96		5.0		ug/L	5		8260C	Total/NA
Vinyl chloride	310		5.0		ug/L	5		8260C	Total/NA

Client Sample ID: MW-562-2013 0329-01 — Lab Sample ID: 480-35387-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	540		40		ug/L	4		8260C	Total/NA
Acetone	930		200		ug/L	4		8260C	Total/NA

Client Sample ID: MW-563-2013 0329-01 — Lab Sample ID: 480-35387-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	420		10		ug/L	10		8260C	Total/NA
Vinyl chloride	91		10		ug/L	10		8260C	Total/NA

Client Sample ID: REW-1-2013 0328-01 — Lab Sample ID: 480-35387-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	24000		2500		ug/L	50		8260C	Total/NA
cis-1,2-Dichloroethene	81		50		ug/L	50		8260C	Total/NA

Client Sample ID: REW-4-2013 0328-01 — Lab Sample ID: 480-35387-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	81		50		ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	41		5.0		ug/L	5		8260C	Total/NA
Vinyl chloride	31		5.0		ug/L	5		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: REW-4-2013 0328-01 (Continued) — Lab Sample ID: 480-35387-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone - DL	4400		500		ug/L	10		8260C	Total/NA

Client Sample ID: REW-5-2013 0328-01 — Lab Sample ID: 480-35387-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4800		500		ug/L	10		8260C	Total/NA
cis-1,2-Dichloroethene	290		10		ug/L	10		8260C	Total/NA
Trichloroethene	93		10		ug/L	10		8260C	Total/NA
Vinyl chloride	44		10		ug/L	10		8260C	Total/NA

Client Sample ID: REW-6-2013 0329-01 — Lab Sample ID: 480-35387-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	420		10		ug/L	10		8260C	Total/NA
Tetrachloroethene	18		10		ug/L	10		8260C	Total/NA
Trichloroethene	510		10		ug/L	10		8260C	Total/NA
Vinyl chloride	17		10		ug/L	10		8260C	Total/NA

Client Sample ID: REW-7-2013 0401-01 — Lab Sample ID: 480-35387-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	920		10		ug/L	10		8260C	Total/NA
Trichloroethene	300		10		ug/L	10		8260C	Total/NA
Vinyl chloride	130		10		ug/L	10		8260C	Total/NA

Client Sample ID: REW-8-2013 0328-01 — Lab Sample ID: 480-35387-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	410		10		ug/L	10		8260C	Total/NA
Trichloroethene	300		10		ug/L	10		8260C	Total/NA
Vinyl chloride	72		10		ug/L	10		8260C	Total/NA

Client Sample ID: REW-9-2013 0328-01 — Lab Sample ID: 480-35387-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	34		1.0		ug/L	1		8260C	Total/NA
Trichloroethene	7.9		1.0		ug/L	1		8260C	Total/NA
Vinyl chloride	4.2		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: REW-10-2013 0328-01 — Lab Sample ID: 480-35387-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	10		1.0		ug/L	1		8260C	Total/NA
Trichloroethene	3.5		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: REW-11-2013 0329-01 — Lab Sample ID: 480-35387-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	4.8		1.0		ug/L	1		8260C	Total/NA
1,1-Dichloroethene	2.1		1.0		ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: REW-11-2013 0329-01 (Continued) — Lab Sample ID: 480-35387-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	1.1		1.0		ug/L	1		8260C	Total/NA
Benzene	1.4		1.0		ug/L	1		8260C	Total/NA
o-Xylene	1.7		1.0		ug/L	1		8260C	Total/NA
Tetrachloroethene	22		1.0		ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	2.7		1.0		ug/L	1		8260C	Total/NA
Vinyl chloride	45		1.0		ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene - DL	1400		25		ug/L	25		8260C	Total/NA
Trichloroethene - DL	410		25		ug/L	25		8260C	Total/NA

Client Sample ID: REW-12-2013 0328-01 — Lab Sample ID: 480-35387-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.3		1.0		ug/L	1		8260C	Total/NA
Tetrachloroethene	10		1.0		ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	1.0		1.0		ug/L	1		8260C	Total/NA
Vinyl chloride	23		1.0		ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene - DL	280		4.0		ug/L	4		8260C	Total/NA
Trichloroethene - DL	180		4.0		ug/L	4		8260C	Total/NA

Client Sample ID: DUPX1-2013 0328-01 — Lab Sample ID: 480-35387-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	390		5.0		ug/L	5		8260C	Total/NA
trans-1,2-Dichloroethene	7.9		5.0		ug/L	5		8260C	Total/NA
Trichloroethene	280		5.0		ug/L	5		8260C	Total/NA
Vinyl chloride	70		5.0		ug/L	5		8260C	Total/NA

Client Sample ID: DUPX2-2013 0329-01 — Lab Sample ID: 480-35387-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	6.0		1.6		ug/L	1		8260B SIM	Total/NA
cis-1,2-Dichloroethene	9.2		1.0		ug/L	1		8260C	Total/NA
Trichloroethene	27		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: DUPX3-2013 0401-01 — Lab Sample ID: 480-35387-35

No Detections.

Client Sample ID: Trip Blank — Lab Sample ID: 480-35387-36

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: DEP-19M-2013 0401-01
Date Collected: 04/01/13 12:40
Date Received: 04/02/13 01:40

Lab Sample ID: 480-35387-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			04/04/13 12:37	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/04/13 12:37	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			04/04/13 12:37	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/04/13 12:37	1
1,1-Dichloroethane	ND		1.0		ug/L			04/04/13 12:37	1
1,1-Dichloroethene	ND		1.0		ug/L			04/04/13 12:37	1
1,1-Dichloropropene	ND		1.0		ug/L			04/04/13 12:37	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			04/04/13 12:37	1
1,2,3-Trichloropropane	ND		1.0		ug/L			04/04/13 12:37	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/04/13 12:37	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			04/04/13 12:37	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			04/04/13 12:37	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/04/13 12:37	1
1,2-Dichloroethane	ND		1.0		ug/L			04/04/13 12:37	1
1,2-Dichloropropane	ND		1.0		ug/L			04/04/13 12:37	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			04/04/13 12:37	1
1,3-Dichlorobenzene	ND		1.0		ug/L			04/04/13 12:37	1
1,3-Dichloropropane	ND		1.0		ug/L			04/04/13 12:37	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/04/13 12:37	1
1,4-Dioxane	ND		50		ug/L			04/04/13 12:37	1
2,2-Dichloropropane	ND		1.0		ug/L			04/04/13 12:37	1
2-Butanone (MEK)	ND		10		ug/L			04/04/13 12:37	1
2-Chlorotoluene	ND		1.0		ug/L			04/04/13 12:37	1
2-Hexanone	ND		10		ug/L			04/04/13 12:37	1
4-Chlorotoluene	ND		1.0		ug/L			04/04/13 12:37	1
4-Isopropyltoluene	ND		1.0		ug/L			04/04/13 12:37	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			04/04/13 12:37	1
Acetone	ND		50		ug/L			04/04/13 12:37	1
Benzene	ND		1.0		ug/L			04/04/13 12:37	1
Bromobenzene	ND		1.0		ug/L			04/04/13 12:37	1
Bromoform	ND		1.0		ug/L			04/04/13 12:37	1
Bromomethane	ND		2.0		ug/L			04/04/13 12:37	1
Carbon disulfide	ND		10		ug/L			04/04/13 12:37	1
Carbon tetrachloride	ND		1.0		ug/L			04/04/13 12:37	1
Chlorobenzene	ND		1.0		ug/L			04/04/13 12:37	1
Chlorobromomethane	ND		1.0		ug/L			04/04/13 12:37	1
Chlorodibromomethane	ND		0.50		ug/L			04/04/13 12:37	1
Chloroethane	ND		2.0		ug/L			04/04/13 12:37	1
Chloroform	ND		1.0		ug/L			04/04/13 12:37	1
Chloromethane	ND		2.0		ug/L			04/04/13 12:37	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			04/04/13 12:37	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			04/04/13 12:37	1
Dichlorobromomethane	ND		0.50		ug/L			04/04/13 12:37	1
Dichlorodifluoromethane	ND		1.0		ug/L			04/04/13 12:37	1
Ethyl ether	ND		1.0		ug/L			04/04/13 12:37	1
Ethylbenzene	ND		1.0		ug/L			04/04/13 12:37	1
Ethylene Dibromide	ND		1.0		ug/L			04/04/13 12:37	1
Hexachlorobutadiene	ND		0.40		ug/L			04/04/13 12:37	1
Isopropyl ether	ND		10		ug/L			04/04/13 12:37	1

Client Sample ID: DEP-19M-2013 0401-01

Lab Sample ID: 480-35387-1

Date Collected: 04/01/13 12:40

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0		ug/L			04/04/13 12:37	1
Methyl tert-butyl ether	ND		1.0		ug/L			04/04/13 12:37	1
Methylene Chloride	ND		1.0		ug/L			04/04/13 12:37	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/04/13 12:37	1
Naphthalene	ND		5.0		ug/L			04/04/13 12:37	1
n-Butylbenzene	ND		1.0		ug/L			04/04/13 12:37	1
N-Propylbenzene	ND		1.0		ug/L			04/04/13 12:37	1
o-Xylene	ND		1.0		ug/L			04/04/13 12:37	1
sec-Butylbenzene	ND		1.0		ug/L			04/04/13 12:37	1
Styrene	ND		1.0		ug/L			04/04/13 12:37	1
Tert-amyl methyl ether	ND		5.0		ug/L			04/04/13 12:37	1
Tert-butyl ethyl ether	ND		5.0		ug/L			04/04/13 12:37	1
tert-Butylbenzene	ND		1.0		ug/L			04/04/13 12:37	1
Tetrachloroethene	ND		1.0		ug/L			04/04/13 12:37	1
Tetrahydrofuran	ND		10		ug/L			04/04/13 12:37	1
Toluene	ND		1.0		ug/L			04/04/13 12:37	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/04/13 12:37	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			04/04/13 12:37	1
Trichloroethene	ND		1.0		ug/L			04/04/13 12:37	1
Trichlorofluoromethane	ND		1.0		ug/L			04/04/13 12:37	1
Vinyl chloride	ND		1.0		ug/L			04/04/13 12:37	1
Dibromomethane	ND		1.0		ug/L			04/04/13 12:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*04/04/13 12:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 130*		*04/04/13 12:37*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*04/04/13 12:37*	*1*

Client Sample ID: DEP-21-2013 0401-01

Lab Sample ID: 480-35387-2

Date Collected: 04/01/13 12:00

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			04/04/13 13:01	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/04/13 13:01	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			04/04/13 13:01	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/04/13 13:01	1
1,1-Dichloroethane	ND		1.0		ug/L			04/04/13 13:01	1
1,1-Dichloroethene	ND		1.0		ug/L			04/04/13 13:01	1
1,1-Dichloropropene	ND		1.0		ug/L			04/04/13 13:01	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			04/04/13 13:01	1
1,2,3-Trichloropropane	ND		1.0		ug/L			04/04/13 13:01	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/04/13 13:01	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			04/04/13 13:01	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			04/04/13 13:01	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/04/13 13:01	1
1,2-Dichloroethane	ND		1.0		ug/L			04/04/13 13:01	1
1,2-Dichloropropane	ND		1.0		ug/L			04/04/13 13:01	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			04/04/13 13:01	1

Client Sample ID: DEP-21-2013 0401-01
Date Collected: 04/01/13 12:00
Date Received: 04/02/13 01:40

Lab Sample ID: 480-35387-2
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		1.0		ug/L			04/04/13 13:01	1
1,3-Dichloropropane	ND		1.0		ug/L			04/04/13 13:01	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/04/13 13:01	1
1,4-Dioxane	ND		50		ug/L			04/04/13 13:01	1
2,2-Dichloropropane	ND		1.0		ug/L			04/04/13 13:01	1
2-Butanone (MEK)	ND		10		ug/L			04/04/13 13:01	1
2-Chlorotoluene	ND		1.0		ug/L			04/04/13 13:01	1
2-Hexanone	ND		10		ug/L			04/04/13 13:01	1
4-Chlorotoluene	ND		1.0		ug/L			04/04/13 13:01	1
4-Isopropyltoluene	ND		1.0		ug/L			04/04/13 13:01	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			04/04/13 13:01	1
Acetone	ND		50		ug/L			04/04/13 13:01	1
Benzene	ND		1.0		ug/L			04/04/13 13:01	1
Bromobenzene	ND		1.0		ug/L			04/04/13 13:01	1
Bromoform	ND		1.0		ug/L			04/04/13 13:01	1
Bromomethane	ND		2.0		ug/L			04/04/13 13:01	1
Carbon disulfide	ND		10		ug/L			04/04/13 13:01	1
Carbon tetrachloride	ND		1.0		ug/L			04/04/13 13:01	1
Chlorobenzene	ND		1.0		ug/L			04/04/13 13:01	1
Chlorobromomethane	ND		1.0		ug/L			04/04/13 13:01	1
Chlorodibromomethane	ND		0.50		ug/L			04/04/13 13:01	1
Chloroethane	ND		2.0		ug/L			04/04/13 13:01	1
Chloroform	ND		1.0		ug/L			04/04/13 13:01	1
Chloromethane	ND		2.0		ug/L			04/04/13 13:01	1
cis-1,2-Dichloroethene	**4.8**		1.0		ug/L			04/04/13 13:01	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			04/04/13 13:01	1
Dichlorobromomethane	ND		0.50		ug/L			04/04/13 13:01	1
Dichlorodifluoromethane	ND		1.0		ug/L			04/04/13 13:01	1
Ethyl ether	ND		1.0		ug/L			04/04/13 13:01	1
Ethylbenzene	ND		1.0		ug/L			04/04/13 13:01	1
Ethylene Dibromide	ND		1.0		ug/L			04/04/13 13:01	1
Hexachlorobutadiene	ND		0.40		ug/L			04/04/13 13:01	1
Isopropyl ether	ND		10		ug/L			04/04/13 13:01	1
Isopropylbenzene	ND		1.0		ug/L			04/04/13 13:01	1
Methyl tert-butyl ether	ND		1.0		ug/L			04/04/13 13:01	1
Methylene Chloride	ND		1.0		ug/L			04/04/13 13:01	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/04/13 13:01	1
Naphthalene	ND		5.0		ug/L			04/04/13 13:01	1
n-Butylbenzene	ND		1.0		ug/L			04/04/13 13:01	1
N-Propylbenzene	ND		1.0		ug/L			04/04/13 13:01	1
o-Xylene	ND		1.0		ug/L			04/04/13 13:01	1
sec-Butylbenzene	ND		1.0		ug/L			04/04/13 13:01	1
Styrene	ND		1.0		ug/L			04/04/13 13:01	1
Tert-amyl methyl ether	ND		5.0		ug/L			04/04/13 13:01	1
Tert-butyl ethyl ether	ND		5.0		ug/L			04/04/13 13:01	1
tert-Butylbenzene	ND		1.0		ug/L			04/04/13 13:01	1
Tetrachloroethene	ND		1.0		ug/L			04/04/13 13:01	1
Tetrahydrofuran	ND		10		ug/L			04/04/13 13:01	1
Toluene	ND		1.0		ug/L			04/04/13 13:01	1

Client Sample ID: DEP-21-2013 0401-01 — **Lab Sample ID: 480-35387-2**
Date Collected: 04/01/13 12:00 — **Matrix: Water**
Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/04/13 13:01	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			04/04/13 13:01	1
Trichloroethene	1.2		1.0		ug/L			04/04/13 13:01	1
Trichlorofluoromethane	ND		1.0		ug/L			04/04/13 13:01	1
Vinyl chloride	ND		1.0		ug/L			04/04/13 13:01	1
Dibromomethane	ND		1.0		ug/L			04/04/13 13:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*70 - 130*		*04/04/13 13:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 130*		*04/04/13 13:01*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*04/04/13 13:01*	*1*

Client Sample ID: MW-261S-2013 0401 — **Lab Sample ID: 480-35387-3**
Date Collected: 04/01/13 08:35 — **Matrix: Water**
Date Received: 04/02/13 01:40

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		6.4		ug/L			04/03/13 16:20	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*100*		*50 - 150*		*04/03/13 16:20*	*4*
TBA-d9 (Surr)	*202*	*X*	*50 - 150*		*04/03/13 16:20*	*4*

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		200		ug/L			04/04/13 13:25	200
1,1,1-Trichloroethane	ND		200		ug/L			04/04/13 13:25	200
1,1,2,2-Tetrachloroethane	ND		100		ug/L			04/04/13 13:25	200
1,1,2-Trichloroethane	ND		200		ug/L			04/04/13 13:25	200
1,1-Dichloroethane	ND		200		ug/L			04/04/13 13:25	200
1,1-Dichloroethene	ND		200		ug/L			04/04/13 13:25	200
1,1-Dichloropropene	ND		200		ug/L			04/04/13 13:25	200
1,2,3-Trichlorobenzene	ND		200		ug/L			04/04/13 13:25	200
1,2,3-Trichloropropane	ND		200		ug/L			04/04/13 13:25	200
1,2,4-Trichlorobenzene	ND		200		ug/L			04/04/13 13:25	200
1,2,4-Trimethylbenzene	ND		200		ug/L			04/04/13 13:25	200
1,2-Dibromo-3-Chloropropane	ND		1000		ug/L			04/04/13 13:25	200
1,2-Dichlorobenzene	ND		200		ug/L			04/04/13 13:25	200
1,2-Dichloroethane	ND		200		ug/L			04/04/13 13:25	200
1,2-Dichloropropane	ND		200		ug/L			04/04/13 13:25	200
1,3,5-Trimethylbenzene	ND		200		ug/L			04/04/13 13:25	200
1,3-Dichlorobenzene	ND		200		ug/L			04/04/13 13:25	200
1,3-Dichloropropane	ND		200		ug/L			04/04/13 13:25	200
1,4-Dichlorobenzene	ND		200		ug/L			04/04/13 13:25	200
1,4-Dioxane	ND		10000		ug/L			04/04/13 13:25	200
2,2-Dichloropropane	ND		200		ug/L			04/04/13 13:25	200
2-Butanone (MEK)	ND		2000		ug/L			04/04/13 13:25	200
2-Chlorotoluene	ND		200		ug/L			04/04/13 13:25	200
2-Hexanone	ND		2000		ug/L			04/04/13 13:25	200

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

Client Sample ID: MW-261S-2013 0401
Date Collected: 04/01/13 08:35
Date Received: 04/02/13 01:40

Lab Sample ID: 480-35387-3
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	ND		200		ug/L			04/04/13 13:25	200
4-Isopropyltoluene	ND		200		ug/L			04/04/13 13:25	200
4-Methyl-2-pentanone (MIBK)	ND		2000		ug/L			04/04/13 13:25	200
Acetone	**52000**		10000		ug/L			04/04/13 13:25	200
Benzene	ND		200		ug/L			04/04/13 13:25	200
Bromobenzene	ND		200		ug/L			04/04/13 13:25	200
Bromoform	ND		200		ug/L			04/04/13 13:25	200
Bromomethane	ND		400		ug/L			04/04/13 13:25	200
Carbon disulfide	ND		2000		ug/L			04/04/13 13:25	200
Carbon tetrachloride	ND		200		ug/L			04/04/13 13:25	200
Chlorobenzene	ND		200		ug/L			04/04/13 13:25	200
Chlorobromomethane	ND		200		ug/L			04/04/13 13:25	200
Chlorodibromomethane	ND		100		ug/L			04/04/13 13:25	200
Chloroethane	ND		400		ug/L			04/04/13 13:25	200
Chloroform	ND		200		ug/L			04/04/13 13:25	200
Chloromethane	ND		400		ug/L			04/04/13 13:25	200
cis-1,2-Dichloroethene	ND		200		ug/L			04/04/13 13:25	200
cis-1,3-Dichloropropene	ND		80		ug/L			04/04/13 13:25	200
Dichlorobromomethane	ND		100		ug/L			04/04/13 13:25	200
Dichlorodifluoromethane	ND		200		ug/L			04/04/13 13:25	200
Ethyl ether	ND		200		ug/L			04/04/13 13:25	200
Ethylbenzene	ND		200		ug/L			04/04/13 13:25	200
Ethylene Dibromide	ND		200		ug/L			04/04/13 13:25	200
Hexachlorobutadiene	ND		80		ug/L			04/04/13 13:25	200
Isopropyl ether	ND		2000		ug/L			04/04/13 13:25	200
Isopropylbenzene	ND		200		ug/L			04/04/13 13:25	200
Methyl tert-butyl ether	ND		200		ug/L			04/04/13 13:25	200
Methylene Chloride	ND		200		ug/L			04/04/13 13:25	200
m-Xylene & p-Xylene	ND		400		ug/L			04/04/13 13:25	200
Naphthalene	ND		1000		ug/L			04/04/13 13:25	200
n-Butylbenzene	ND		200		ug/L			04/04/13 13:25	200
N-Propylbenzene	ND		200		ug/L			04/04/13 13:25	200
o-Xylene	ND		200		ug/L			04/04/13 13:25	200
sec-Butylbenzene	ND		200		ug/L			04/04/13 13:25	200
Styrene	ND		200		ug/L			04/04/13 13:25	200
Tert-amyl methyl ether	ND		1000		ug/L			04/04/13 13:25	200
Tert-butyl ethyl ether	ND		1000		ug/L			04/04/13 13:25	200
tert-Butylbenzene	ND		200		ug/L			04/04/13 13:25	200
Tetrachloroethene	ND		200		ug/L			04/04/13 13:25	200
Tetrahydrofuran	ND		2000		ug/L			04/04/13 13:25	200
Toluene	ND		200		ug/L			04/04/13 13:25	200
trans-1,2-Dichloroethene	ND		200		ug/L			04/04/13 13:25	200
trans-1,3-Dichloropropene	ND		80		ug/L			04/04/13 13:25	200
Trichloroethene	ND		200		ug/L			04/04/13 13:25	200
Trichlorofluoromethane	ND		200		ug/L			04/04/13 13:25	200
Vinyl chloride	ND		200		ug/L			04/04/13 13:25	200
Dibromomethane	ND		200		ug/L			04/04/13 13:25	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*04/04/13 13:25*	*200*

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

Client Sample ID: MW-261S-2013 0401

Lab Sample ID: 480-35387-3

Date Collected: 04/01/13 08:35

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 130*		*04/04/13 13:25*	*200*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*04/04/13 13:25*	*200*

Client Sample ID: MW-263M-2013 0401

Lab Sample ID: 480-35387-4

Date Collected: 04/01/13 10:55

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			04/04/13 13:48	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/04/13 13:48	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			04/04/13 13:48	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/04/13 13:48	1
1,1-Dichloroethane	ND		1.0		ug/L			04/04/13 13:48	1
1,1-Dichloroethene	ND		1.0		ug/L			04/04/13 13:48	1
1,1-Dichloropropene	ND		1.0		ug/L			04/04/13 13:48	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			04/04/13 13:48	1
1,2,3-Trichloropropane	ND		1.0		ug/L			04/04/13 13:48	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/04/13 13:48	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			04/04/13 13:48	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			04/04/13 13:48	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/04/13 13:48	1
1,2-Dichloroethane	ND		1.0		ug/L			04/04/13 13:48	1
1,2-Dichloropropane	ND		1.0		ug/L			04/04/13 13:48	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			04/04/13 13:48	1
1,3-Dichlorobenzene	ND		1.0		ug/L			04/04/13 13:48	1
1,3-Dichloropropane	ND		1.0		ug/L			04/04/13 13:48	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/04/13 13:48	1
1,4-Dioxane	ND		50		ug/L			04/04/13 13:48	1
2,2-Dichloropropane	ND		1.0		ug/L			04/04/13 13:48	1
2-Butanone (MEK)	ND		10		ug/L			04/04/13 13:48	1
2-Chlorotoluene	ND		1.0		ug/L			04/04/13 13:48	1
2-Hexanone	ND		10		ug/L			04/04/13 13:48	1
4-Chlorotoluene	ND		1.0		ug/L			04/04/13 13:48	1
4-Isopropyltoluene	ND		1.0		ug/L			04/04/13 13:48	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			04/04/13 13:48	1
Acetone	ND		50		ug/L			04/04/13 13:48	1
Benzene	ND		1.0		ug/L			04/04/13 13:48	1
Bromobenzene	ND		1.0		ug/L			04/04/13 13:48	1
Bromoform	ND		1.0		ug/L			04/04/13 13:48	1
Bromomethane	ND		2.0		ug/L			04/04/13 13:48	1
Carbon disulfide	ND		10		ug/L			04/04/13 13:48	1
Carbon tetrachloride	ND		1.0		ug/L			04/04/13 13:48	1
Chlorobenzene	ND		1.0		ug/L			04/04/13 13:48	1
Chlorobromomethane	ND		1.0		ug/L			04/04/13 13:48	1
Chlorodibromomethane	ND		0.50		ug/L			04/04/13 13:48	1
Chloroethane	ND		2.0		ug/L			04/04/13 13:48	1
Chloroform	ND		1.0		ug/L			04/04/13 13:48	1
Chloromethane	ND		2.0		ug/L			04/04/13 13:48	1

Client Sample ID: MW-263M-2013 0401

Lab Sample ID: 480-35387-4

Date Collected: 04/01/13 10:55

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0		ug/L			04/04/13 13:48	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			04/04/13 13:48	1
Dichlorobromomethane	ND		0.50		ug/L			04/04/13 13:48	1
Dichlorodifluoromethane	ND		1.0		ug/L			04/04/13 13:48	1
Ethyl ether	ND		1.0		ug/L			04/04/13 13:48	1
Ethylbenzene	ND		1.0		ug/L			04/04/13 13:48	1
Ethylene Dibromide	ND		1.0		ug/L			04/04/13 13:48	1
Hexachlorobutadiene	ND		0.40		ug/L			04/04/13 13:48	1
Isopropyl ether	ND		10		ug/L			04/04/13 13:48	1
Isopropylbenzene	ND		1.0		ug/L			04/04/13 13:48	1
Methyl tert-butyl ether	ND		1.0		ug/L			04/04/13 13:48	1
Methylene Chloride	ND		1.0		ug/L			04/04/13 13:48	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/04/13 13:48	1
Naphthalene	ND		5.0		ug/L			04/04/13 13:48	1
n-Butylbenzene	ND		1.0		ug/L			04/04/13 13:48	1
N-Propylbenzene	ND		1.0		ug/L			04/04/13 13:48	1
o-Xylene	ND		1.0		ug/L			04/04/13 13:48	1
sec-Butylbenzene	ND		1.0		ug/L			04/04/13 13:48	1
Styrene	ND		1.0		ug/L			04/04/13 13:48	1
Tert-amyl methyl ether	ND		5.0		ug/L			04/04/13 13:48	1
Tert-butyl ethyl ether	ND		5.0		ug/L			04/04/13 13:48	1
tert-Butylbenzene	ND		1.0		ug/L			04/04/13 13:48	1
Tetrachloroethene	ND		1.0		ug/L			04/04/13 13:48	1
Tetrahydrofuran	ND		10		ug/L			04/04/13 13:48	1
Toluene	ND		1.0		ug/L			04/04/13 13:48	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/04/13 13:48	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			04/04/13 13:48	1
Trichloroethene	ND		1.0		ug/L			04/04/13 13:48	1
Trichlorofluoromethane	ND		1.0		ug/L			04/04/13 13:48	1
Vinyl chloride	ND		1.0		ug/L			04/04/13 13:48	1
Dibromomethane	ND		1.0		ug/L			04/04/13 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*04/04/13 13:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 130*		*04/04/13 13:48*	*1*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*04/04/13 13:48*	*1*

Client Sample ID: MW-264M-2013 0401

Lab Sample ID: 480-35387-5

Date Collected: 04/01/13 10:20

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			04/04/13 14:12	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/04/13 14:12	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			04/04/13 14:12	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/04/13 14:12	1
1,1-Dichloroethane	ND		1.0		ug/L			04/04/13 14:12	1
1,1-Dichloroethene	ND		1.0		ug/L			04/04/13 14:12	1
1,1-Dichloropropene	ND		1.0		ug/L			04/04/13 14:12	1

Client Sample ID: MW-264M-2013 0401
Date Collected: 04/01/13 10:20
Date Received: 04/02/13 01:40

Lab Sample ID: 480-35387-5
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	ND		1.0		ug/L			04/04/13 14:12	1
1,2,3-Trichloropropane	ND		1.0		ug/L			04/04/13 14:12	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/04/13 14:12	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			04/04/13 14:12	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			04/04/13 14:12	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/04/13 14:12	1
1,2-Dichloroethane	ND		1.0		ug/L			04/04/13 14:12	1
1,2-Dichloropropane	ND		1.0		ug/L			04/04/13 14:12	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			04/04/13 14:12	1
1,3-Dichlorobenzene	ND		1.0		ug/L			04/04/13 14:12	1
1,3-Dichloropropane	ND		1.0		ug/L			04/04/13 14:12	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/04/13 14:12	1
1,4-Dioxane	ND		50		ug/L			04/04/13 14:12	1
2,2-Dichloropropane	ND		1.0		ug/L			04/04/13 14:12	1
2-Butanone (MEK)	ND		10		ug/L			04/04/13 14:12	1
2-Chlorotoluene	ND		1.0		ug/L			04/04/13 14:12	1
2-Hexanone	ND		10		ug/L			04/04/13 14:12	1
4-Chlorotoluene	ND		1.0		ug/L			04/04/13 14:12	1
4-Isopropyltoluene	ND		1.0		ug/L			04/04/13 14:12	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			04/04/13 14:12	1
Acetone	ND		50		ug/L			04/04/13 14:12	1
Benzene	ND		1.0		ug/L			04/04/13 14:12	1
Bromobenzene	ND		1.0		ug/L			04/04/13 14:12	1
Bromoform	ND		1.0		ug/L			04/04/13 14:12	1
Bromomethane	ND		2.0		ug/L			04/04/13 14:12	1
Carbon disulfide	ND		10		ug/L			04/04/13 14:12	1
Carbon tetrachloride	ND		1.0		ug/L			04/04/13 14:12	1
Chlorobenzene	ND		1.0		ug/L			04/04/13 14:12	1
Chlorobromomethane	ND		1.0		ug/L			04/04/13 14:12	1
Chlorodibromomethane	ND		0.50		ug/L			04/04/13 14:12	1
Chloroethane	ND		2.0		ug/L			04/04/13 14:12	1
Chloroform	ND		1.0		ug/L			04/04/13 14:12	1
Chloromethane	ND		2.0		ug/L			04/04/13 14:12	1
cis-1,2-Dichloroethene	**6.2**		1.0		ug/L			04/04/13 14:12	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			04/04/13 14:12	1
Dichlorobromomethane	ND		0.50		ug/L			04/04/13 14:12	1
Dichlorodifluoromethane	ND		1.0		ug/L			04/04/13 14:12	1
Ethyl ether	ND		1.0		ug/L			04/04/13 14:12	1
Ethylbenzene	ND		1.0		ug/L			04/04/13 14:12	1
Ethylene Dibromide	ND		1.0		ug/L			04/04/13 14:12	1
Hexachlorobutadiene	ND		0.40		ug/L			04/04/13 14:12	1
Isopropyl ether	ND		10		ug/L			04/04/13 14:12	1
Isopropylbenzene	ND		1.0		ug/L			04/04/13 14:12	1
Methyl tert-butyl ether	ND		1.0		ug/L			04/04/13 14:12	1
Methylene Chloride	ND		1.0		ug/L			04/04/13 14:12	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/04/13 14:12	1
Naphthalene	ND		5.0		ug/L			04/04/13 14:12	1
n-Butylbenzene	ND		1.0		ug/L			04/04/13 14:12	1
N-Propylbenzene	ND		1.0		ug/L			04/04/13 14:12	1

Client Sample ID: MW-264M-2013 0401
Lab Sample ID: 480-35387-5
Date Collected: 04/01/13 10:20
Matrix: Water
Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		1.0		ug/L			04/04/13 14:12	1
sec-Butylbenzene	ND		1.0		ug/L			04/04/13 14:12	1
Styrene	ND		1.0		ug/L			04/04/13 14:12	1
Tert-amyl methyl ether	ND		5.0		ug/L			04/04/13 14:12	1
Tert-butyl ethyl ether	ND		5.0		ug/L			04/04/13 14:12	1
tert-Butylbenzene	ND		1.0		ug/L			04/04/13 14:12	1
Tetrachloroethene	**1.5**		1.0		ug/L			04/04/13 14:12	1
Tetrahydrofuran	ND		10		ug/L			04/04/13 14:12	1
Toluene	ND		1.0		ug/L			04/04/13 14:12	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/04/13 14:12	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			04/04/13 14:12	1
Trichloroethene	**8.6**		1.0		ug/L			04/04/13 14:12	1
Trichlorofluoromethane	ND		1.0		ug/L			04/04/13 14:12	1
Vinyl chloride	ND		1.0		ug/L			04/04/13 14:12	1
Dibromomethane	ND		1.0		ug/L			04/04/13 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*04/04/13 14:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 130*		*04/04/13 14:12*	*1*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*04/04/13 14:12*	*1*

Client Sample ID: MW-265S-2013 0401
Lab Sample ID: 480-35387-6
Date Collected: 04/01/13 10:20
Matrix: Water
Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			04/05/13 00:33	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/05/13 00:33	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			04/05/13 00:33	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/05/13 00:33	1
1,1-Dichloroethane	ND		1.0		ug/L			04/05/13 00:33	1
1,1-Dichloroethene	ND		1.0		ug/L			04/05/13 00:33	1
1,1-Dichloropropene	ND		1.0		ug/L			04/05/13 00:33	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			04/05/13 00:33	1
1,2,3-Trichloropropane	ND		1.0		ug/L			04/05/13 00:33	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/05/13 00:33	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			04/05/13 00:33	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			04/05/13 00:33	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/05/13 00:33	1
1,2-Dichloroethane	ND		1.0		ug/L			04/05/13 00:33	1
1,2-Dichloropropane	ND		1.0		ug/L			04/05/13 00:33	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			04/05/13 00:33	1
1,3-Dichlorobenzene	ND		1.0		ug/L			04/05/13 00:33	1
1,3-Dichloropropane	ND		1.0		ug/L			04/05/13 00:33	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/05/13 00:33	1
1,4-Dioxane	ND		50		ug/L			04/05/13 00:33	1
2,2-Dichloropropane	ND		1.0		ug/L			04/05/13 00:33	1
2-Butanone (MEK)	ND		10		ug/L			04/05/13 00:33	1
2-Chlorotoluene	ND		1.0		ug/L			04/05/13 00:33	1

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

Client Sample ID: MW-265S-2013 0401
Date Collected: 04/01/13 10:20
Date Received: 04/02/13 01:40

Lab Sample ID: 480-35387-6
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		10		ug/L			04/05/13 00:33	1
4-Chlorotoluene	ND		1.0		ug/L			04/05/13 00:33	1
4-Isopropyltoluene	ND		1.0		ug/L			04/05/13 00:33	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			04/05/13 00:33	1
Acetone	ND		50		ug/L			04/05/13 00:33	1
Benzene	ND		1.0		ug/L			04/05/13 00:33	1
Bromobenzene	ND		1.0		ug/L			04/05/13 00:33	1
Bromoform	ND		1.0		ug/L			04/05/13 00:33	1
Bromomethane	ND		2.0		ug/L			04/05/13 00:33	1
Carbon disulfide	ND		10		ug/L			04/05/13 00:33	1
Carbon tetrachloride	ND		1.0		ug/L			04/05/13 00:33	1
Chlorobenzene	ND		1.0		ug/L			04/05/13 00:33	1
Chlorobromomethane	ND		1.0		ug/L			04/05/13 00:33	1
Chlorodibromomethane	ND		0.50		ug/L			04/05/13 00:33	1
Chloroethane	ND	*	2.0		ug/L			04/05/13 00:33	1
Chloroform	ND		1.0		ug/L			04/05/13 00:33	1
Chloromethane	ND		2.0		ug/L			04/05/13 00:33	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			04/05/13 00:33	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			04/05/13 00:33	1
Dichlorobromomethane	ND		0.50		ug/L			04/05/13 00:33	1
Dichlorodifluoromethane	ND		1.0		ug/L			04/05/13 00:33	1
Ethyl ether	ND		1.0		ug/L			04/05/13 00:33	1
Ethylbenzene	ND		1.0		ug/L			04/05/13 00:33	1
Ethylene Dibromide	ND		1.0		ug/L			04/05/13 00:33	1
Hexachlorobutadiene	ND		0.40		ug/L			04/05/13 00:33	1
Isopropyl ether	ND		10		ug/L			04/05/13 00:33	1
Isopropylbenzene	ND		1.0		ug/L			04/05/13 00:33	1
Methyl tert-butyl ether	ND		1.0		ug/L			04/05/13 00:33	1
Methylene Chloride	ND		1.0		ug/L			04/05/13 00:33	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/05/13 00:33	1
Naphthalene	ND		5.0		ug/L			04/05/13 00:33	1
n-Butylbenzene	ND		1.0		ug/L			04/05/13 00:33	1
N-Propylbenzene	ND		1.0		ug/L			04/05/13 00:33	1
o-Xylene	ND		1.0		ug/L			04/05/13 00:33	1
sec-Butylbenzene	ND		1.0		ug/L			04/05/13 00:33	1
Styrene	ND		1.0		ug/L			04/05/13 00:33	1
Tert-amyl methyl ether	ND		5.0		ug/L			04/05/13 00:33	1
Tert-butyl ethyl ether	ND		5.0		ug/L			04/05/13 00:33	1
tert-Butylbenzene	ND		1.0		ug/L			04/05/13 00:33	1
Tetrachloroethene	ND		1.0		ug/L			04/05/13 00:33	1
Tetrahydrofuran	ND		10		ug/L			04/05/13 00:33	1
Toluene	ND		1.0		ug/L			04/05/13 00:33	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/05/13 00:33	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			04/05/13 00:33	1
Trichloroethene	ND		1.0		ug/L			04/05/13 00:33	1
Trichlorofluoromethane	ND		1.0		ug/L			04/05/13 00:33	1
Vinyl chloride	ND		1.0		ug/L			04/05/13 00:33	1
Dibromomethane	ND		1.0		ug/L			04/05/13 00:33	1

Client Sample ID: MW-265S-2013 0401

Lab Sample ID: 480-35387-6

Date Collected: 04/01/13 10:20

Matrix: Water

Date Received: 04/02/13 01:40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		70 - 130		04/05/13 00:33	1
1,2-Dichloroethane-d4 (Surr)	87		70 - 130		04/05/13 00:33	1
4-Bromofluorobenzene (Surr)	106		70 - 130		04/05/13 00:33	1

Client Sample ID: MW-265M-2013 0329-01

Lab Sample ID: 480-35387-7

Date Collected: 03/29/13 11:30

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		6.4		ug/L			04/03/13 16:44	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	106		50 - 150		04/03/13 16:44	4
TBA-d9 (Surr)	156	X	50 - 150		04/03/13 16:44	4

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		10		ug/L			04/04/13 15:00	10
1,1,1-Trichloroethane	ND		10		ug/L			04/04/13 15:00	10
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			04/04/13 15:00	10
1,1,2-Trichloroethane	ND		10		ug/L			04/04/13 15:00	10
1,1-Dichloroethane	ND		10		ug/L			04/04/13 15:00	10
1,1-Dichloroethene	ND		10		ug/L			04/04/13 15:00	10
1,1-Dichloropropene	ND		10		ug/L			04/04/13 15:00	10
1,2,3-Trichlorobenzene	ND		10		ug/L			04/04/13 15:00	10
1,2,3-Trichloropropane	ND		10		ug/L			04/04/13 15:00	10
1,2,4-Trichlorobenzene	ND		10		ug/L			04/04/13 15:00	10
1,2,4-Trimethylbenzene	ND		10		ug/L			04/04/13 15:00	10
1,2-Dibromo-3-Chloropropane	ND		50		ug/L			04/04/13 15:00	10
1,2-Dichlorobenzene	ND		10		ug/L			04/04/13 15:00	10
1,2-Dichloroethane	ND		10		ug/L			04/04/13 15:00	10
1,2-Dichloropropane	ND		10		ug/L			04/04/13 15:00	10
1,3,5-Trimethylbenzene	ND		10		ug/L			04/04/13 15:00	10
1,3-Dichlorobenzene	ND		10		ug/L			04/04/13 15:00	10
1,3-Dichloropropane	ND		10		ug/L			04/04/13 15:00	10
1,4-Dichlorobenzene	ND		10		ug/L			04/04/13 15:00	10
1,4-Dioxane	ND		500		ug/L			04/04/13 15:00	10
2,2-Dichloropropane	ND		10		ug/L			04/04/13 15:00	10
2-Butanone (MEK)	**110**		100		ug/L			04/04/13 15:00	10
2-Chlorotoluene	ND		10		ug/L			04/04/13 15:00	10
2-Hexanone	ND		100		ug/L			04/04/13 15:00	10
4-Chlorotoluene	ND		10		ug/L			04/04/13 15:00	10
4-Isopropyltoluene	ND		10		ug/L			04/04/13 15:00	10
4-Methyl-2-pentanone (MIBK)	ND		100		ug/L			04/04/13 15:00	10
Benzene	ND		10		ug/L			04/04/13 15:00	10
Bromobenzene	ND		10		ug/L			04/04/13 15:00	10
Bromoform	ND		10		ug/L			04/04/13 15:00	10
Bromomethane	ND		20		ug/L			04/04/13 15:00	10
Carbon disulfide	ND		100		ug/L			04/04/13 15:00	10
Carbon tetrachloride	ND		10		ug/L			04/04/13 15:00	10

Client Sample ID: MW-265M-2013 0329-01
Date Collected: 03/29/13 11:30
Date Received: 04/02/13 01:40

Lab Sample ID: 480-35387-7
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		10		ug/L			04/04/13 15:00	10
Chlorobromomethane	ND		10		ug/L			04/04/13 15:00	10
Chlorodibromomethane	ND		5.0		ug/L			04/04/13 15:00	10
Chloroethane	ND		20		ug/L			04/04/13 15:00	10
Chloroform	ND		10		ug/L			04/04/13 15:00	10
Chloromethane	ND		20		ug/L			04/04/13 15:00	10
cis-1,2-Dichloroethene	**32**		10		ug/L			04/04/13 15:00	10
cis-1,3-Dichloropropene	ND		4.0		ug/L			04/04/13 15:00	10
Dichlorobromomethane	ND		5.0		ug/L			04/04/13 15:00	10
Dichlorodifluoromethane	ND		10		ug/L			04/04/13 15:00	10
Ethyl ether	ND		10		ug/L			04/04/13 15:00	10
Ethylbenzene	ND		10		ug/L			04/04/13 15:00	10
Ethylene Dibromide	ND		10		ug/L			04/04/13 15:00	10
Hexachlorobutadiene	ND		4.0		ug/L			04/04/13 15:00	10
Isopropyl ether	ND		100		ug/L			04/04/13 15:00	10
Isopropylbenzene	ND		10		ug/L			04/04/13 15:00	10
Methyl tert-butyl ether	ND		10		ug/L			04/04/13 15:00	10
Methylene Chloride	ND		10		ug/L			04/04/13 15:00	10
m-Xylene & p-Xylene	ND		20		ug/L			04/04/13 15:00	10
Naphthalene	ND		50		ug/L			04/04/13 15:00	10
n-Butylbenzene	ND		10		ug/L			04/04/13 15:00	10
N-Propylbenzene	ND		10		ug/L			04/04/13 15:00	10
o-Xylene	ND		10		ug/L			04/04/13 15:00	10
sec-Butylbenzene	ND		10		ug/L			04/04/13 15:00	10
Styrene	ND		10		ug/L			04/04/13 15:00	10
Tert-amyl methyl ether	ND		50		ug/L			04/04/13 15:00	10
Tert-butyl ethyl ether	ND		50		ug/L			04/04/13 15:00	10
tert-Butylbenzene	ND		10		ug/L			04/04/13 15:00	10
Tetrachloroethene	ND		10		ug/L			04/04/13 15:00	10
Tetrahydrofuran	ND		100		ug/L			04/04/13 15:00	10
Toluene	ND		10		ug/L			04/04/13 15:00	10
trans-1,2-Dichloroethene	ND		10		ug/L			04/04/13 15:00	10
trans-1,3-Dichloropropene	ND		4.0		ug/L			04/04/13 15:00	10
Trichloroethene	ND		10		ug/L			04/04/13 15:00	10
Trichlorofluoromethane	ND		10		ug/L			04/04/13 15:00	10
Vinyl chloride	**26**		10		ug/L			04/04/13 15:00	10
Dibromomethane	ND		10		ug/L			04/04/13 15:00	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*04/04/13 15:00*	*10*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 130*		*04/04/13 15:00*	*10*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*04/04/13 15:00*	*10*

Method: 8260C - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**7500**		1300		ug/L			04/05/13 00:57	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*04/05/13 00:57*	*25*
1,2-Dichloroethane-d4 (Surr)	*86*		*70 - 130*		*04/05/13 00:57*	*25*

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

Client Sample ID: MW-265M-2013 0329-01 — **Lab Sample ID: 480-35387-7**
Date Collected: 03/29/13 11:30 — **Matrix: Water**
Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130		04/05/13 00:57	25

Client Sample ID: MW-265D-2013 0401-01 — **Lab Sample ID: 480-35387-8**
Date Collected: 04/01/13 11:35 — **Matrix: Water**
Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			04/04/13 15:23	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/04/13 15:23	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			04/04/13 15:23	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/04/13 15:23	1
1,1-Dichloroethane	ND		1.0		ug/L			04/04/13 15:23	1
1,1-Dichloroethene	ND		1.0		ug/L			04/04/13 15:23	1
1,1-Dichloropropene	ND		1.0		ug/L			04/04/13 15:23	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			04/04/13 15:23	1
1,2,3-Trichloropropane	ND		1.0		ug/L			04/04/13 15:23	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/04/13 15:23	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			04/04/13 15:23	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			04/04/13 15:23	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/04/13 15:23	1
1,2-Dichloroethane	ND		1.0		ug/L			04/04/13 15:23	1
1,2-Dichloropropane	ND		1.0		ug/L			04/04/13 15:23	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			04/04/13 15:23	1
1,3-Dichlorobenzene	ND		1.0		ug/L			04/04/13 15:23	1
1,3-Dichloropropane	ND		1.0		ug/L			04/04/13 15:23	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/04/13 15:23	1
1,4-Dioxane	ND		50		ug/L			04/04/13 15:23	1
2,2-Dichloropropane	ND		1.0		ug/L			04/04/13 15:23	1
2-Butanone (MEK)	ND		10		ug/L			04/04/13 15:23	1
2-Chlorotoluene	ND		1.0		ug/L			04/04/13 15:23	1
2-Hexanone	ND		10		ug/L			04/04/13 15:23	1
4-Chlorotoluene	ND		1.0		ug/L			04/04/13 15:23	1
4-Isopropyltoluene	ND		1.0		ug/L			04/04/13 15:23	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			04/04/13 15:23	1
Acetone	ND		50		ug/L			04/04/13 15:23	1
Benzene	ND		1.0		ug/L			04/04/13 15:23	1
Bromobenzene	ND		1.0		ug/L			04/04/13 15:23	1
Bromoform	ND		1.0		ug/L			04/04/13 15:23	1
Bromomethane	ND		2.0		ug/L			04/04/13 15:23	1
Carbon disulfide	ND		10		ug/L			04/04/13 15:23	1
Carbon tetrachloride	ND		1.0		ug/L			04/04/13 15:23	1
Chlorobenzene	ND		1.0		ug/L			04/04/13 15:23	1
Chlorobromomethane	ND		1.0		ug/L			04/04/13 15:23	1
Chlorodibromomethane	ND		0.50		ug/L			04/04/13 15:23	1
Chloroethane	ND		2.0		ug/L			04/04/13 15:23	1
Chloroform	ND		1.0		ug/L			04/04/13 15:23	1
Chloromethane	ND		2.0		ug/L			04/04/13 15:23	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			04/04/13 15:23	1

Client Sample ID: MW-265D-2013 0401-01

Lab Sample ID: 480-35387-8

Date Collected: 04/01/13 11:35

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		0.40		ug/L			04/04/13 15:23	1
Dichlorobromomethane	ND		0.50		ug/L			04/04/13 15:23	1
Dichlorodifluoromethane	ND		1.0		ug/L			04/04/13 15:23	1
Ethyl ether	ND		1.0		ug/L			04/04/13 15:23	1
Ethylbenzene	ND		1.0		ug/L			04/04/13 15:23	1
Ethylene Dibromide	ND		1.0		ug/L			04/04/13 15:23	1
Hexachlorobutadiene	ND		0.40		ug/L			04/04/13 15:23	1
Isopropyl ether	ND		10		ug/L			04/04/13 15:23	1
Isopropylbenzene	ND		1.0		ug/L			04/04/13 15:23	1
Methyl tert-butyl ether	ND		1.0		ug/L			04/04/13 15:23	1
Methylene Chloride	ND		1.0		ug/L			04/04/13 15:23	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/04/13 15:23	1
Naphthalene	ND		5.0		ug/L			04/04/13 15:23	1
n-Butylbenzene	ND		1.0		ug/L			04/04/13 15:23	1
N-Propylbenzene	ND		1.0		ug/L			04/04/13 15:23	1
o-Xylene	ND		1.0		ug/L			04/04/13 15:23	1
sec-Butylbenzene	ND		1.0		ug/L			04/04/13 15:23	1
Styrene	ND		1.0		ug/L			04/04/13 15:23	1
Tert-amyl methyl ether	ND		5.0		ug/L			04/04/13 15:23	1
Tert-butyl ethyl ether	ND		5.0		ug/L			04/04/13 15:23	1
tert-Butylbenzene	ND		1.0		ug/L			04/04/13 15:23	1
Tetrachloroethene	ND		1.0		ug/L			04/04/13 15:23	1
Tetrahydrofuran	ND		10		ug/L			04/04/13 15:23	1
Toluene	ND		1.0		ug/L			04/04/13 15:23	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/04/13 15:23	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			04/04/13 15:23	1
Trichloroethene	ND		1.0		ug/L			04/04/13 15:23	1
Trichlorofluoromethane	ND		1.0		ug/L			04/04/13 15:23	1
Vinyl chloride	ND		1.0		ug/L			04/04/13 15:23	1
Dibromomethane	ND		1.0		ug/L			04/04/13 15:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*04/04/13 15:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 130*		*04/04/13 15:23*	*1*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*04/04/13 15:23*	*1*

Client Sample ID: MW-266Ma-2013 0329-01

Lab Sample ID: 480-35387-9

Date Collected: 03/29/13 14:05

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	6.2		1.6		ug/L			04/03/13 17:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*107*		*50 - 150*		*04/03/13 17:08*	*1*
TBA-d9 (Surr)	*108*		*50 - 150*		*04/03/13 17:08*	*1*

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

Client Sample ID: MW-266Ma-2013 0329-01
Date Collected: 03/29/13 14:05
Date Received: 04/02/13 01:40

Lab Sample ID: 480-35387-9
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			04/04/13 15:47	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/04/13 15:47	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			04/04/13 15:47	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/04/13 15:47	1
1,1-Dichloroethane	ND		1.0		ug/L			04/04/13 15:47	1
1,1-Dichloroethene	ND		1.0		ug/L			04/04/13 15:47	1
1,1-Dichloropropene	ND		1.0		ug/L			04/04/13 15:47	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			04/04/13 15:47	1
1,2,3-Trichloropropane	ND		1.0		ug/L			04/04/13 15:47	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/04/13 15:47	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			04/04/13 15:47	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			04/04/13 15:47	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/04/13 15:47	1
1,2-Dichloroethane	ND		1.0		ug/L			04/04/13 15:47	1
1,2-Dichloropropane	ND		1.0		ug/L			04/04/13 15:47	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			04/04/13 15:47	1
1,3-Dichlorobenzene	ND		1.0		ug/L			04/04/13 15:47	1
1,3-Dichloropropane	ND		1.0		ug/L			04/04/13 15:47	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/04/13 15:47	1
1,4-Dioxane	ND		50		ug/L			04/04/13 15:47	1
2,2-Dichloropropane	ND		1.0		ug/L			04/04/13 15:47	1
2-Butanone (MEK)	ND		10		ug/L			04/04/13 15:47	1
2-Chlorotoluene	ND		1.0		ug/L			04/04/13 15:47	1
2-Hexanone	ND		10		ug/L			04/04/13 15:47	1
4-Chlorotoluene	ND		1.0		ug/L			04/04/13 15:47	1
4-Isopropyltoluene	ND		1.0		ug/L			04/04/13 15:47	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			04/04/13 15:47	1
Acetone	ND		50		ug/L			04/04/13 15:47	1
Benzene	ND		1.0		ug/L			04/04/13 15:47	1
Bromobenzene	ND		1.0		ug/L			04/04/13 15:47	1
Bromoform	ND		1.0		ug/L			04/04/13 15:47	1
Bromomethane	ND		2.0		ug/L			04/04/13 15:47	1
Carbon disulfide	ND		10		ug/L			04/04/13 15:47	1
Carbon tetrachloride	ND		1.0		ug/L			04/04/13 15:47	1
Chlorobenzene	ND		1.0		ug/L			04/04/13 15:47	1
Chlorobromomethane	ND		1.0		ug/L			04/04/13 15:47	1
Chlorodibromomethane	ND		0.50		ug/L			04/04/13 15:47	1
Chloroethane	ND		2.0		ug/L			04/04/13 15:47	1
Chloroform	ND		1.0		ug/L			04/04/13 15:47	1
Chloromethane	ND		2.0		ug/L			04/04/13 15:47	1
cis-1,2-Dichloroethene	**9.1**		1.0		ug/L			04/04/13 15:47	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			04/04/13 15:47	1
Dichlorobromomethane	ND		0.50		ug/L			04/04/13 15:47	1
Dichlorodifluoromethane	ND		1.0		ug/L			04/04/13 15:47	1
Ethyl ether	ND		1.0		ug/L			04/04/13 15:47	1
Ethylbenzene	ND		1.0		ug/L			04/04/13 15:47	1
Ethylene Dibromide	ND		1.0		ug/L			04/04/13 15:47	1
Hexachlorobutadiene	ND		0.40		ug/L			04/04/13 15:47	1
Isopropyl ether	ND		10		ug/L			04/04/13 15:47	1

Client Sample ID: MW-266Ma-2013 0329-01 — **Lab Sample ID: 480-35387-9**
Date Collected: 03/29/13 14:05 — **Matrix: Water**
Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0		ug/L			04/04/13 15:47	1
Methyl tert-butyl ether	ND		1.0		ug/L			04/04/13 15:47	1
Methylene Chloride	ND		1.0		ug/L			04/04/13 15:47	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/04/13 15:47	1
Naphthalene	ND		5.0		ug/L			04/04/13 15:47	1
n-Butylbenzene	ND		1.0		ug/L			04/04/13 15:47	1
N-Propylbenzene	ND		1.0		ug/L			04/04/13 15:47	1
o-Xylene	ND		1.0		ug/L			04/04/13 15:47	1
sec-Butylbenzene	ND		1.0		ug/L			04/04/13 15:47	1
Styrene	ND		1.0		ug/L			04/04/13 15:47	1
Tert-amyl methyl ether	ND		5.0		ug/L			04/04/13 15:47	1
Tert-butyl ethyl ether	ND		5.0		ug/L			04/04/13 15:47	1
tert-Butylbenzene	ND		1.0		ug/L			04/04/13 15:47	1
Tetrachloroethene	ND		1.0		ug/L			04/04/13 15:47	1
Tetrahydrofuran	ND		10		ug/L			04/04/13 15:47	1
Toluene	ND		1.0		ug/L			04/04/13 15:47	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/04/13 15:47	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			04/04/13 15:47	1
Trichloroethene	**27**		1.0		ug/L			04/04/13 15:47	1
Trichlorofluoromethane	ND		1.0		ug/L			04/04/13 15:47	1
Vinyl chloride	ND		1.0		ug/L			04/04/13 15:47	1
Dibromomethane	ND		1.0		ug/L			04/04/13 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*04/04/13 15:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 130*		*04/04/13 15:47*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*04/04/13 15:47*	*1*

Client Sample ID: MW-266Mb-2013 0401-01 — **Lab Sample ID: 480-35387-10**
Date Collected: 04/01/13 12:25 — **Matrix: Water**
Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			04/05/13 01:21	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/05/13 01:21	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			04/05/13 01:21	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/05/13 01:21	1
1,1-Dichloroethane	ND		1.0		ug/L			04/05/13 01:21	1
1,1-Dichloroethene	ND		1.0		ug/L			04/05/13 01:21	1
1,1-Dichloropropene	ND		1.0		ug/L			04/05/13 01:21	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			04/05/13 01:21	1
1,2,3-Trichloropropane	ND		1.0		ug/L			04/05/13 01:21	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/05/13 01:21	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			04/05/13 01:21	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			04/05/13 01:21	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/05/13 01:21	1
1,2-Dichloroethane	ND		1.0		ug/L			04/05/13 01:21	1
1,2-Dichloropropane	ND		1.0		ug/L			04/05/13 01:21	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			04/05/13 01:21	1

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

Client Sample ID: MW-266Mb-2013 0401-01
Date Collected: 04/01/13 12:25
Date Received: 04/02/13 01:40

Lab Sample ID: 480-35387-10
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		1.0		ug/L			04/05/13 01:21	1
1,3-Dichloropropane	ND		1.0		ug/L			04/05/13 01:21	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/05/13 01:21	1
1,4-Dioxane	ND		50		ug/L			04/05/13 01:21	1
2,2-Dichloropropane	ND		1.0		ug/L			04/05/13 01:21	1
2-Butanone (MEK)	ND		10		ug/L			04/05/13 01:21	1
2-Chlorotoluene	ND		1.0		ug/L			04/05/13 01:21	1
2-Hexanone	ND		10		ug/L			04/05/13 01:21	1
4-Chlorotoluene	ND		1.0		ug/L			04/05/13 01:21	1
4-Isopropyltoluene	ND		1.0		ug/L			04/05/13 01:21	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			04/05/13 01:21	1
Acetone	ND		50		ug/L			04/05/13 01:21	1
Benzene	ND		1.0		ug/L			04/05/13 01:21	1
Bromobenzene	ND		1.0		ug/L			04/05/13 01:21	1
Bromoform	ND		1.0		ug/L			04/05/13 01:21	1
Bromomethane	ND		2.0		ug/L			04/05/13 01:21	1
Carbon disulfide	ND		10		ug/L			04/05/13 01:21	1
Carbon tetrachloride	ND		1.0		ug/L			04/05/13 01:21	1
Chlorobenzene	ND		1.0		ug/L			04/05/13 01:21	1
Chlorobromomethane	ND		1.0		ug/L			04/05/13 01:21	1
Chlorodibromomethane	ND		0.50		ug/L			04/05/13 01:21	1
Chloroethane	ND	*	2.0		ug/L			04/05/13 01:21	1
Chloroform	ND		1.0		ug/L			04/05/13 01:21	1
Chloromethane	ND		2.0		ug/L			04/05/13 01:21	1
cis-1,2-Dichloroethene	**80**		1.0		ug/L			04/05/13 01:21	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			04/05/13 01:21	1
Dichlorobromomethane	ND		0.50		ug/L			04/05/13 01:21	1
Dichlorodifluoromethane	ND		1.0		ug/L			04/05/13 01:21	1
Ethyl ether	ND		1.0		ug/L			04/05/13 01:21	1
Ethylbenzene	ND		1.0		ug/L			04/05/13 01:21	1
Ethylene Dibromide	ND		1.0		ug/L			04/05/13 01:21	1
Hexachlorobutadiene	ND		0.40		ug/L			04/05/13 01:21	1
Isopropyl ether	ND		10		ug/L			04/05/13 01:21	1
Isopropylbenzene	ND		1.0		ug/L			04/05/13 01:21	1
Methyl tert-butyl ether	ND		1.0		ug/L			04/05/13 01:21	1
Methylene Chloride	ND		1.0		ug/L			04/05/13 01:21	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/05/13 01:21	1
Naphthalene	ND		5.0		ug/L			04/05/13 01:21	1
n-Butylbenzene	ND		1.0		ug/L			04/05/13 01:21	1
N-Propylbenzene	ND		1.0		ug/L			04/05/13 01:21	1
o-Xylene	ND		1.0		ug/L			04/05/13 01:21	1
sec-Butylbenzene	ND		1.0		ug/L			04/05/13 01:21	1
Styrene	ND		1.0		ug/L			04/05/13 01:21	1
Tert-amyl methyl ether	ND		5.0		ug/L			04/05/13 01:21	1
Tert-butyl ethyl ether	ND		5.0		ug/L			04/05/13 01:21	1
tert-Butylbenzene	ND		1.0		ug/L			04/05/13 01:21	1
Tetrachloroethene	**13**		1.0		ug/L			04/05/13 01:21	1
Tetrahydrofuran	ND		10		ug/L			04/05/13 01:21	1
Toluene	ND		1.0		ug/L			04/05/13 01:21	1

Client Sample ID: MW-266Mb-2013 0401-01

Lab Sample ID: 480-35387-10

Date Collected: 04/01/13 12:25

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/05/13 01:21	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			04/05/13 01:21	1
Trichloroethene	**53**		1.0		ug/L			04/05/13 01:21	1
Trichlorofluoromethane	ND		1.0		ug/L			04/05/13 01:21	1
Vinyl chloride	**7.5**		1.0		ug/L			04/05/13 01:21	1
Dibromomethane	ND		1.0		ug/L			04/05/13 01:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*04/05/13 01:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*70 - 130*		*04/05/13 01:21*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*04/05/13 01:21*	*1*

Client Sample ID: MW-267S-2013 0329-01

Lab Sample ID: 480-35387-11

Date Collected: 03/29/13 14:50

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**7.4**		1.6		ug/L			04/03/13 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*102*		*50 - 150*		*04/03/13 17:32*	*1*
TBA-d9 (Surr)	*91*		*50 - 150*		*04/03/13 17:32*	*1*

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0		ug/L			04/05/13 01:45	5
1,1,1-Trichloroethane	ND		5.0		ug/L			04/05/13 01:45	5
1,1,2,2-Tetrachloroethane	ND		2.5		ug/L			04/05/13 01:45	5
1,1,2-Trichloroethane	ND		5.0		ug/L			04/05/13 01:45	5
1,1-Dichloroethane	ND		5.0		ug/L			04/05/13 01:45	5
1,1-Dichloroethene	ND		5.0		ug/L			04/05/13 01:45	5
1,1-Dichloropropene	ND		5.0		ug/L			04/05/13 01:45	5
1,2,3-Trichlorobenzene	ND		5.0		ug/L			04/05/13 01:45	5
1,2,3-Trichloropropane	ND		5.0		ug/L			04/05/13 01:45	5
1,2,4-Trichlorobenzene	ND		5.0		ug/L			04/05/13 01:45	5
1,2,4-Trimethylbenzene	ND		5.0		ug/L			04/05/13 01:45	5
1,2-Dibromo-3-Chloropropane	ND		25		ug/L			04/05/13 01:45	5
1,2-Dichlorobenzene	ND		5.0		ug/L			04/05/13 01:45	5
1,2-Dichloroethane	ND		5.0		ug/L			04/05/13 01:45	5
1,2-Dichloropropane	ND		5.0		ug/L			04/05/13 01:45	5
1,3,5-Trimethylbenzene	ND		5.0		ug/L			04/05/13 01:45	5
1,3-Dichlorobenzene	ND		5.0		ug/L			04/05/13 01:45	5
1,3-Dichloropropane	ND		5.0		ug/L			04/05/13 01:45	5
1,4-Dichlorobenzene	ND		5.0		ug/L			04/05/13 01:45	5
1,4-Dioxane	ND		250		ug/L			04/05/13 01:45	5
2,2-Dichloropropane	ND		5.0		ug/L			04/05/13 01:45	5
2-Butanone (MEK)	ND		50		ug/L			04/05/13 01:45	5
2-Chlorotoluene	ND		5.0		ug/L			04/05/13 01:45	5
2-Hexanone	ND		50		ug/L			04/05/13 01:45	5

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

Client Sample ID: MW-267S-2013 0329-01
Date Collected: 03/29/13 14:50
Date Received: 04/02/13 01:40

Lab Sample ID: 480-35387-11
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	ND		5.0		ug/L			04/05/13 01:45	5
4-Isopropyltoluene	ND		5.0		ug/L			04/05/13 01:45	5
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			04/05/13 01:45	5
Acetone	ND		250		ug/L			04/05/13 01:45	5
Benzene	ND		5.0		ug/L			04/05/13 01:45	5
Bromobenzene	ND		5.0		ug/L			04/05/13 01:45	5
Bromoform	ND		5.0		ug/L			04/05/13 01:45	5
Bromomethane	ND		10		ug/L			04/05/13 01:45	5
Carbon disulfide	ND		50		ug/L			04/05/13 01:45	5
Carbon tetrachloride	ND		5.0		ug/L			04/05/13 01:45	5
Chlorobenzene	ND		5.0		ug/L			04/05/13 01:45	5
Chlorobromomethane	ND		5.0		ug/L			04/05/13 01:45	5
Chlorodibromomethane	ND		2.5		ug/L			04/05/13 01:45	5
Chloroethane	ND	*	10		ug/L			04/05/13 01:45	5
Chloroform	ND		5.0		ug/L			04/05/13 01:45	5
Chloromethane	ND		10		ug/L			04/05/13 01:45	5
cis-1,2-Dichloroethene	**72**		5.0		ug/L			04/05/13 01:45	5
cis-1,3-Dichloropropene	ND		2.0		ug/L			04/05/13 01:45	5
Dichlorobromomethane	ND		2.5		ug/L			04/05/13 01:45	5
Dichlorodifluoromethane	ND		5.0		ug/L			04/05/13 01:45	5
Ethyl ether	ND		5.0		ug/L			04/05/13 01:45	5
Ethylbenzene	ND		5.0		ug/L			04/05/13 01:45	5
Ethylene Dibromide	ND		5.0		ug/L			04/05/13 01:45	5
Hexachlorobutadiene	ND		2.0		ug/L			04/05/13 01:45	5
Isopropyl ether	ND		50		ug/L			04/05/13 01:45	5
Isopropylbenzene	ND		5.0		ug/L			04/05/13 01:45	5
Methyl tert-butyl ether	ND		5.0		ug/L			04/05/13 01:45	5
Methylene Chloride	ND		5.0		ug/L			04/05/13 01:45	5
m-Xylene & p-Xylene	ND		10		ug/L			04/05/13 01:45	5
Naphthalene	ND		25		ug/L			04/05/13 01:45	5
n-Butylbenzene	ND		5.0		ug/L			04/05/13 01:45	5
N-Propylbenzene	ND		5.0		ug/L			04/05/13 01:45	5
o-Xylene	ND		5.0		ug/L			04/05/13 01:45	5
sec-Butylbenzene	ND		5.0		ug/L			04/05/13 01:45	5
Styrene	ND		5.0		ug/L			04/05/13 01:45	5
Tert-amyl methyl ether	ND		25		ug/L			04/05/13 01:45	5
Tert-butyl ethyl ether	ND		25		ug/L			04/05/13 01:45	5
tert-Butylbenzene	ND		5.0		ug/L			04/05/13 01:45	5
Tetrachloroethene	**7.6**		5.0		ug/L			04/05/13 01:45	5
Tetrahydrofuran	ND		50		ug/L			04/05/13 01:45	5
Toluene	ND		5.0		ug/L			04/05/13 01:45	5
trans-1,2-Dichloroethene	ND		5.0		ug/L			04/05/13 01:45	5
trans-1,3-Dichloropropene	ND		2.0		ug/L			04/05/13 01:45	5
Trichloroethene	**370**		5.0		ug/L			04/05/13 01:45	5
Trichlorofluoromethane	ND		5.0		ug/L			04/05/13 01:45	5
Vinyl chloride	ND		5.0		ug/L			04/05/13 01:45	5
Dibromomethane	ND		5.0		ug/L			04/05/13 01:45	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*04/05/13 01:45*	*5*

Client Sample ID: MW-267S-2013 0329-01 — **Lab Sample ID: 480-35387-11**
Date Collected: 03/29/13 14:50 — **Matrix: Water**
Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*84*		*70 - 130*		*04/05/13 01:45*	*5*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*04/05/13 01:45*	*5*

Client Sample ID: MW-267M-2013 0329-01 — **Lab Sample ID: 480-35387-12**
Date Collected: 03/29/13 14:15 — **Matrix: Water**
Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0		ug/L			04/04/13 16:58	5
1,1,1-Trichloroethane	ND		5.0		ug/L			04/04/13 16:58	5
1,1,2,2-Tetrachloroethane	ND		2.5		ug/L			04/04/13 16:58	5
1,1,2-Trichloroethane	ND		5.0		ug/L			04/04/13 16:58	5
1,1-Dichloroethane	ND		5.0		ug/L			04/04/13 16:58	5
1,1-Dichloroethene	ND		5.0		ug/L			04/04/13 16:58	5
1,1-Dichloropropene	ND		5.0		ug/L			04/04/13 16:58	5
1,2,3-Trichlorobenzene	ND		5.0		ug/L			04/04/13 16:58	5
1,2,3-Trichloropropane	ND		5.0		ug/L			04/04/13 16:58	5
1,2,4-Trichlorobenzene	ND		5.0		ug/L			04/04/13 16:58	5
1,2,4-Trimethylbenzene	ND		5.0		ug/L			04/04/13 16:58	5
1,2-Dibromo-3-Chloropropane	ND		25		ug/L			04/04/13 16:58	5
1,2-Dichlorobenzene	ND		5.0		ug/L			04/04/13 16:58	5
1,2-Dichloroethane	ND		5.0		ug/L			04/04/13 16:58	5
1,2-Dichloropropane	ND		5.0		ug/L			04/04/13 16:58	5
1,3,5-Trimethylbenzene	ND		5.0		ug/L			04/04/13 16:58	5
1,3-Dichlorobenzene	ND		5.0		ug/L			04/04/13 16:58	5
1,3-Dichloropropane	ND		5.0		ug/L			04/04/13 16:58	5
1,4-Dichlorobenzene	ND		5.0		ug/L			04/04/13 16:58	5
1,4-Dioxane	ND		250		ug/L			04/04/13 16:58	5
2,2-Dichloropropane	ND		5.0		ug/L			04/04/13 16:58	5
2-Butanone (MEK)	ND		50		ug/L			04/04/13 16:58	5
2-Chlorotoluene	ND		5.0		ug/L			04/04/13 16:58	5
2-Hexanone	ND		50		ug/L			04/04/13 16:58	5
4-Chlorotoluene	ND		5.0		ug/L			04/04/13 16:58	5
4-Isopropyltoluene	ND		5.0		ug/L			04/04/13 16:58	5
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			04/04/13 16:58	5
Acetone	ND		250		ug/L			04/04/13 16:58	5
Benzene	ND		5.0		ug/L			04/04/13 16:58	5
Bromobenzene	ND		5.0		ug/L			04/04/13 16:58	5
Bromoform	ND		5.0		ug/L			04/04/13 16:58	5
Bromomethane	ND		10		ug/L			04/04/13 16:58	5
Carbon disulfide	ND		50		ug/L			04/04/13 16:58	5
Carbon tetrachloride	ND		5.0		ug/L			04/04/13 16:58	5
Chlorobenzene	ND		5.0		ug/L			04/04/13 16:58	5
Chlorobromomethane	ND		5.0		ug/L			04/04/13 16:58	5
Chlorodibromomethane	ND		2.5		ug/L			04/04/13 16:58	5
Chloroethane	ND		10		ug/L			04/04/13 16:58	5
Chloroform	ND		5.0		ug/L			04/04/13 16:58	5
Chloromethane	ND		10		ug/L			04/04/13 16:58	5

Client Sample ID: MW-267M-2013 0329-01
Date Collected: 03/29/13 14:15
Date Received: 04/02/13 01:40

Lab Sample ID: 480-35387-12
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		2.0		ug/L			04/04/13 16:58	5
Dichlorobromomethane	ND		2.5		ug/L			04/04/13 16:58	5
Dichlorodifluoromethane	ND		5.0		ug/L			04/04/13 16:58	5
Ethyl ether	ND		5.0		ug/L			04/04/13 16:58	5
Ethylbenzene	ND		5.0		ug/L			04/04/13 16:58	5
Ethylene Dibromide	ND		5.0		ug/L			04/04/13 16:58	5
Hexachlorobutadiene	ND		2.0		ug/L			04/04/13 16:58	5
Isopropyl ether	ND		50		ug/L			04/04/13 16:58	5
Isopropylbenzene	ND		5.0		ug/L			04/04/13 16:58	5
Methyl tert-butyl ether	ND		5.0		ug/L			04/04/13 16:58	5
Methylene Chloride	ND		5.0		ug/L			04/04/13 16:58	5
m-Xylene & p-Xylene	ND		10		ug/L			04/04/13 16:58	5
Naphthalene	ND		25		ug/L			04/04/13 16:58	5
n-Butylbenzene	ND		5.0		ug/L			04/04/13 16:58	5
N-Propylbenzene	ND		5.0		ug/L			04/04/13 16:58	5
o-Xylene	ND		5.0		ug/L			04/04/13 16:58	5
sec-Butylbenzene	ND		5.0		ug/L			04/04/13 16:58	5
Styrene	ND		5.0		ug/L			04/04/13 16:58	5
Tert-amyl methyl ether	ND		25		ug/L			04/04/13 16:58	5
Tert-butyl ethyl ether	ND		25		ug/L			04/04/13 16:58	5
tert-Butylbenzene	ND		5.0		ug/L			04/04/13 16:58	5
Tetrachloroethene	**14**		5.0		ug/L			04/04/13 16:58	5
Tetrahydrofuran	ND		50		ug/L			04/04/13 16:58	5
Toluene	ND		5.0		ug/L			04/04/13 16:58	5
trans-1,2-Dichloroethene	ND		5.0		ug/L			04/04/13 16:58	5
trans-1,3-Dichloropropene	ND		2.0		ug/L			04/04/13 16:58	5
Trichloroethene	**350**		5.0		ug/L			04/04/13 16:58	5
Trichlorofluoromethane	ND		5.0		ug/L			04/04/13 16:58	5
Vinyl chloride	**20**		5.0		ug/L			04/04/13 16:58	5
Dibromomethane	ND		5.0		ug/L			04/04/13 16:58	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*04/04/13 16:58*	*5*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 130*		*04/04/13 16:58*	*5*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*04/04/13 16:58*	*5*

Method: 8260C - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**590**		10		ug/L			04/05/13 02:08	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*04/05/13 02:08*	*10*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 130*		*04/05/13 02:08*	*10*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*04/05/13 02:08*	*10*

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

Client Sample ID: MW-268M-2013 0329-01
Date Collected: 03/29/13 08:35
Date Received: 04/02/13 01:40

Lab Sample ID: 480-35387-13
Matrix: Water

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	14		1.6		ug/L			04/03/13 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*95*		*50 - 150*		*04/03/13 17:56*	*1*
TBA-d9 (Surr)	*92*		*50 - 150*		*04/03/13 17:56*	*1*

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		25		ug/L			04/05/13 02:32	25
1,1,1-Trichloroethane	ND		25		ug/L			04/05/13 02:32	25
1,1,2,2-Tetrachloroethane	ND		13		ug/L			04/05/13 02:32	25
1,1,2-Trichloroethane	ND		25		ug/L			04/05/13 02:32	25
1,1-Dichloroethane	ND		25		ug/L			04/05/13 02:32	25
1,1-Dichloroethene	ND		25		ug/L			04/05/13 02:32	25
1,1-Dichloropropene	ND		25		ug/L			04/05/13 02:32	25
1,2,3-Trichlorobenzene	ND		25		ug/L			04/05/13 02:32	25
1,2,3-Trichloropropane	ND		25		ug/L			04/05/13 02:32	25
1,2,4-Trichlorobenzene	ND		25		ug/L			04/05/13 02:32	25
1,2,4-Trimethylbenzene	ND		25		ug/L			04/05/13 02:32	25
1,2-Dibromo-3-Chloropropane	ND		130		ug/L			04/05/13 02:32	25
1,2-Dichlorobenzene	ND		25		ug/L			04/05/13 02:32	25
1,2-Dichloroethane	ND		25		ug/L			04/05/13 02:32	25
1,2-Dichloropropane	ND		25		ug/L			04/05/13 02:32	25
1,3,5-Trimethylbenzene	ND		25		ug/L			04/05/13 02:32	25
1,3-Dichlorobenzene	ND		25		ug/L			04/05/13 02:32	25
1,3-Dichloropropane	ND		25		ug/L			04/05/13 02:32	25
1,4-Dichlorobenzene	ND		25		ug/L			04/05/13 02:32	25
1,4-Dioxane	ND		1300		ug/L			04/05/13 02:32	25
2,2-Dichloropropane	ND		25		ug/L			04/05/13 02:32	25
2-Butanone (MEK)	ND		250		ug/L			04/05/13 02:32	25
2-Chlorotoluene	ND		25		ug/L			04/05/13 02:32	25
2-Hexanone	ND		250		ug/L			04/05/13 02:32	25
4-Chlorotoluene	ND		25		ug/L			04/05/13 02:32	25
4-Isopropyltoluene	ND		25		ug/L			04/05/13 02:32	25
4-Methyl-2-pentanone (MIBK)	ND		250		ug/L			04/05/13 02:32	25
Acetone	ND		1300		ug/L			04/05/13 02:32	25
Benzene	ND		25		ug/L			04/05/13 02:32	25
Bromobenzene	ND		25		ug/L			04/05/13 02:32	25
Bromoform	ND		25		ug/L			04/05/13 02:32	25
Bromomethane	ND		50		ug/L			04/05/13 02:32	25
Carbon disulfide	ND		250		ug/L			04/05/13 02:32	25
Carbon tetrachloride	ND		25		ug/L			04/05/13 02:32	25
Chlorobenzene	ND		25		ug/L			04/05/13 02:32	25
Chlorobromomethane	ND		25		ug/L			04/05/13 02:32	25
Chlorodibromomethane	ND		13		ug/L			04/05/13 02:32	25
Chloroethane	ND	*	50		ug/L			04/05/13 02:32	25
Chloroform	ND		25		ug/L			04/05/13 02:32	25
Chloromethane	ND		50		ug/L			04/05/13 02:32	25
cis-1,2-Dichloroethene	2100		25		ug/L			04/05/13 02:32	25
cis-1,3-Dichloropropene	ND		10		ug/L			04/05/13 02:32	25

Client Sample ID: MW-268M-2013 0329-01 — **Lab Sample ID: 480-35387-13**
Date Collected: 03/29/13 08:35 — **Matrix: Water**
Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		13		ug/L			04/05/13 02:32	25
Dichlorodifluoromethane	ND		25		ug/L			04/05/13 02:32	25
Ethyl ether	ND		25		ug/L			04/05/13 02:32	25
Ethylbenzene	ND		25		ug/L			04/05/13 02:32	25
Ethylene Dibromide	ND		25		ug/L			04/05/13 02:32	25
Hexachlorobutadiene	ND		10		ug/L			04/05/13 02:32	25
Isopropyl ether	ND		250		ug/L			04/05/13 02:32	25
Isopropylbenzene	ND		25		ug/L			04/05/13 02:32	25
Methyl tert-butyl ether	ND		25		ug/L			04/05/13 02:32	25
Methylene Chloride	ND		25		ug/L			04/05/13 02:32	25
m-Xylene & p-Xylene	ND		50		ug/L			04/05/13 02:32	25
Naphthalene	ND		130		ug/L			04/05/13 02:32	25
n-Butylbenzene	ND		25		ug/L			04/05/13 02:32	25
N-Propylbenzene	ND		25		ug/L			04/05/13 02:32	25
o-Xylene	ND		25		ug/L			04/05/13 02:32	25
sec-Butylbenzene	ND		25		ug/L			04/05/13 02:32	25
Styrene	ND		25		ug/L			04/05/13 02:32	25
Tert-amyl methyl ether	ND		130		ug/L			04/05/13 02:32	25
Tert-butyl ethyl ether	ND		130		ug/L			04/05/13 02:32	25
tert-Butylbenzene	ND		25		ug/L			04/05/13 02:32	25
Tetrachloroethene	**42**		25		ug/L			04/05/13 02:32	25
Tetrahydrofuran	ND		250		ug/L			04/05/13 02:32	25
Toluene	ND		25		ug/L			04/05/13 02:32	25
trans-1,2-Dichloroethene	ND		25		ug/L			04/05/13 02:32	25
trans-1,3-Dichloropropene	ND		10		ug/L			04/05/13 02:32	25
Trichloroethene	**1100**		25		ug/L			04/05/13 02:32	25
Trichlorofluoromethane	ND		25		ug/L			04/05/13 02:32	25
Vinyl chloride	**91**		25		ug/L			04/05/13 02:32	25
Dibromomethane	ND		25		ug/L			04/05/13 02:32	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*04/05/13 02:32*	*25*
1,2-Dichloroethane-d4 (Surr)	*86*		*70 - 130*		*04/05/13 02:32*	*25*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*04/05/13 02:32*	*25*

Client Sample ID: MW-268D-2013 0401 — **Lab Sample ID: 480-35387-14**
Date Collected: 04/01/13 09:25 — **Matrix: Water**
Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			04/04/13 17:46	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/04/13 17:46	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			04/04/13 17:46	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/04/13 17:46	1
1,1-Dichloroethane	ND		1.0		ug/L			04/04/13 17:46	1
1,1-Dichloroethene	ND		1.0		ug/L			04/04/13 17:46	1
1,1-Dichloropropene	ND		1.0		ug/L			04/04/13 17:46	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			04/04/13 17:46	1
1,2,3-Trichloropropane	ND		1.0		ug/L			04/04/13 17:46	1

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

Client Sample ID: MW-268D-2013 0401
Date Collected: 04/01/13 09:25
Date Received: 04/02/13 01:40

Lab Sample ID: 480-35387-14
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/04/13 17:46	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			04/04/13 17:46	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			04/04/13 17:46	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/04/13 17:46	1
1,2-Dichloroethane	ND		1.0		ug/L			04/04/13 17:46	1
1,2-Dichloropropane	ND		1.0		ug/L			04/04/13 17:46	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			04/04/13 17:46	1
1,3-Dichlorobenzene	ND		1.0		ug/L			04/04/13 17:46	1
1,3-Dichloropropane	ND		1.0		ug/L			04/04/13 17:46	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/04/13 17:46	1
1,4-Dioxane	ND		50		ug/L			04/04/13 17:46	1
2,2-Dichloropropane	ND		1.0		ug/L			04/04/13 17:46	1
2-Butanone (MEK)	ND		10		ug/L			04/04/13 17:46	1
2-Chlorotoluene	ND		1.0		ug/L			04/04/13 17:46	1
2-Hexanone	ND		10		ug/L			04/04/13 17:46	1
4-Chlorotoluene	ND		1.0		ug/L			04/04/13 17:46	1
4-Isopropyltoluene	ND		1.0		ug/L			04/04/13 17:46	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			04/04/13 17:46	1
Acetone	ND		50		ug/L			04/04/13 17:46	1
Benzene	ND		1.0		ug/L			04/04/13 17:46	1
Bromobenzene	ND		1.0		ug/L			04/04/13 17:46	1
Bromoform	ND		1.0		ug/L			04/04/13 17:46	1
Bromomethane	ND		2.0		ug/L			04/04/13 17:46	1
Carbon disulfide	ND		10		ug/L			04/04/13 17:46	1
Carbon tetrachloride	ND		1.0		ug/L			04/04/13 17:46	1
Chlorobenzene	ND		1.0		ug/L			04/04/13 17:46	1
Chlorobromomethane	ND		1.0		ug/L			04/04/13 17:46	1
Chlorodibromomethane	ND		0.50		ug/L			04/04/13 17:46	1
Chloroethane	ND		2.0		ug/L			04/04/13 17:46	1
Chloroform	ND		1.0		ug/L			04/04/13 17:46	1
Chloromethane	ND		2.0		ug/L			04/04/13 17:46	1
cis-1,2-Dichloroethene	**9.3**		1.0		ug/L			04/04/13 17:46	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			04/04/13 17:46	1
Dichlorobromomethane	ND		0.50		ug/L			04/04/13 17:46	1
Dichlorodifluoromethane	ND		1.0		ug/L			04/04/13 17:46	1
Ethyl ether	ND		1.0		ug/L			04/04/13 17:46	1
Ethylbenzene	ND		1.0		ug/L			04/04/13 17:46	1
Ethylene Dibromide	ND		1.0		ug/L			04/04/13 17:46	1
Hexachlorobutadiene	ND		0.40		ug/L			04/04/13 17:46	1
Isopropyl ether	ND		10		ug/L			04/04/13 17:46	1
Isopropylbenzene	ND		1.0		ug/L			04/04/13 17:46	1
Methyl tert-butyl ether	ND		1.0		ug/L			04/04/13 17:46	1
Methylene Chloride	ND		1.0		ug/L			04/04/13 17:46	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/04/13 17:46	1
Naphthalene	ND		5.0		ug/L			04/04/13 17:46	1
n-Butylbenzene	ND		1.0		ug/L			04/04/13 17:46	1
N-Propylbenzene	ND		1.0		ug/L			04/04/13 17:46	1
o-Xylene	ND		1.0		ug/L			04/04/13 17:46	1
sec-Butylbenzene	ND		1.0		ug/L			04/04/13 17:46	1

Client Sample ID: MW-268D-2013 0401

Lab Sample ID: 480-35387-14

Date Collected: 04/01/13 09:25

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0		ug/L			04/04/13 17:46	1
Tert-amyl methyl ether	ND		5.0		ug/L			04/04/13 17:46	1
Tert-butyl ethyl ether	ND		5.0		ug/L			04/04/13 17:46	1
tert-Butylbenzene	ND		1.0		ug/L			04/04/13 17:46	1
Tetrachloroethene	ND		1.0		ug/L			04/04/13 17:46	1
Tetrahydrofuran	ND		10		ug/L			04/04/13 17:46	1
Toluene	ND		1.0		ug/L			04/04/13 17:46	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/04/13 17:46	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			04/04/13 17:46	1
Trichloroethene	**6.3**		1.0		ug/L			04/04/13 17:46	1
Trichlorofluoromethane	ND		1.0		ug/L			04/04/13 17:46	1
Vinyl chloride	ND		1.0		ug/L			04/04/13 17:46	1
Dibromomethane	ND		1.0		ug/L			04/04/13 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*04/04/13 17:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 130*		*04/04/13 17:46*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*04/04/13 17:46*	*1*

Client Sample ID: MW-269Ma-2013 0329-01

Lab Sample ID: 480-35387-15

Date Collected: 03/29/13 12:03

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**2.0**		1.6		ug/L			04/03/13 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*105*		*50 - 150*		*04/03/13 18:20*	*1*
TBA-d9 (Surr)	*142*		*50 - 150*		*04/03/13 18:20*	*1*

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			04/04/13 18:10	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/04/13 18:10	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			04/04/13 18:10	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/04/13 18:10	1
1,1-Dichloroethane	ND		1.0		ug/L			04/04/13 18:10	1
1,1-Dichloroethene	ND		1.0		ug/L			04/04/13 18:10	1
1,1-Dichloropropene	ND		1.0		ug/L			04/04/13 18:10	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			04/04/13 18:10	1
1,2,3-Trichloropropane	ND		1.0		ug/L			04/04/13 18:10	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/04/13 18:10	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			04/04/13 18:10	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			04/04/13 18:10	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/04/13 18:10	1
1,2-Dichloroethane	ND		1.0		ug/L			04/04/13 18:10	1
1,2-Dichloropropane	ND		1.0		ug/L			04/04/13 18:10	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			04/04/13 18:10	1
1,3-Dichlorobenzene	ND		1.0		ug/L			04/04/13 18:10	1

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

Client Sample ID: MW-269Ma-2013 0329-01
Date Collected: 03/29/13 12:03
Date Received: 04/02/13 01:40

Lab Sample ID: 480-35387-15
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	ND		1.0		ug/L			04/04/13 18:10	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/04/13 18:10	1
1,4-Dioxane	ND		50		ug/L			04/04/13 18:10	1
2,2-Dichloropropane	ND		1.0		ug/L			04/04/13 18:10	1
2-Butanone (MEK)	ND		10		ug/L			04/04/13 18:10	1
2-Chlorotoluene	ND		1.0		ug/L			04/04/13 18:10	1
2-Hexanone	ND		10		ug/L			04/04/13 18:10	1
4-Chlorotoluene	ND		1.0		ug/L			04/04/13 18:10	1
4-Isopropyltoluene	ND		1.0		ug/L			04/04/13 18:10	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			04/04/13 18:10	1
Acetone	ND		50		ug/L			04/04/13 18:10	1
Benzene	ND		1.0		ug/L			04/04/13 18:10	1
Bromobenzene	ND		1.0		ug/L			04/04/13 18:10	1
Bromoform	ND		1.0		ug/L			04/04/13 18:10	1
Bromomethane	ND		2.0		ug/L			04/04/13 18:10	1
Carbon disulfide	ND		10		ug/L			04/04/13 18:10	1
Carbon tetrachloride	ND		1.0		ug/L			04/04/13 18:10	1
Chlorobenzene	ND		1.0		ug/L			04/04/13 18:10	1
Chlorobromomethane	ND		1.0		ug/L			04/04/13 18:10	1
Chlorodibromomethane	ND		0.50		ug/L			04/04/13 18:10	1
Chloroethane	ND		2.0		ug/L			04/04/13 18:10	1
Chloroform	ND		1.0		ug/L			04/04/13 18:10	1
Chloromethane	ND		2.0		ug/L			04/04/13 18:10	1
cis-1,2-Dichloroethene	**2.2**		1.0		ug/L			04/04/13 18:10	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			04/04/13 18:10	1
Dichlorobromomethane	ND		0.50		ug/L			04/04/13 18:10	1
Dichlorodifluoromethane	ND		1.0		ug/L			04/04/13 18:10	1
Ethyl ether	ND		1.0		ug/L			04/04/13 18:10	1
Ethylbenzene	ND		1.0		ug/L			04/04/13 18:10	1
Ethylene Dibromide	ND		1.0		ug/L			04/04/13 18:10	1
Hexachlorobutadiene	ND		0.40		ug/L			04/04/13 18:10	1
Isopropyl ether	ND		10		ug/L			04/04/13 18:10	1
Isopropylbenzene	ND		1.0		ug/L			04/04/13 18:10	1
Methyl tert-butyl ether	ND		1.0		ug/L			04/04/13 18:10	1
Methylene Chloride	ND		1.0		ug/L			04/04/13 18:10	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/04/13 18:10	1
Naphthalene	ND		5.0		ug/L			04/04/13 18:10	1
n-Butylbenzene	ND		1.0		ug/L			04/04/13 18:10	1
N-Propylbenzene	ND		1.0		ug/L			04/04/13 18:10	1
o-Xylene	ND		1.0		ug/L			04/04/13 18:10	1
sec-Butylbenzene	ND		1.0		ug/L			04/04/13 18:10	1
Styrene	ND		1.0		ug/L			04/04/13 18:10	1
Tert-amyl methyl ether	ND		5.0		ug/L			04/04/13 18:10	1
Tert-butyl ethyl ether	ND		5.0		ug/L			04/04/13 18:10	1
tert-Butylbenzene	ND		1.0		ug/L			04/04/13 18:10	1
Tetrachloroethene	ND		1.0		ug/L			04/04/13 18:10	1
Tetrahydrofuran	ND		10		ug/L			04/04/13 18:10	1
Toluene	ND		1.0		ug/L			04/04/13 18:10	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/04/13 18:10	1

Client Sample ID: MW-269Ma-2013 0329-01

Lab Sample ID: 480-35387-15

Date Collected: 03/29/13 12:03

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		0.40		ug/L			04/04/13 18:10	1
Trichloroethene	**1.0**		1.0		ug/L			04/04/13 18:10	1
Trichlorofluoromethane	ND		1.0		ug/L			04/04/13 18:10	1
Vinyl chloride	ND		1.0		ug/L			04/04/13 18:10	1
Dibromomethane	ND		1.0		ug/L			04/04/13 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*04/04/13 18:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 130*		*04/04/13 18:10*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*04/04/13 18:10*	*1*

Client Sample ID: MW-551-2013 0329-01

Lab Sample ID: 480-35387-16

Date Collected: 03/29/13 13:25

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100		ug/L			04/04/13 18:34	100
1,1,1-Trichloroethane	ND		100		ug/L			04/04/13 18:34	100
1,1,2,2-Tetrachloroethane	ND		50		ug/L			04/04/13 18:34	100
1,1,2-Trichloroethane	ND		100		ug/L			04/04/13 18:34	100
1,1-Dichloroethane	ND		100		ug/L			04/04/13 18:34	100
1,1-Dichloroethene	ND		100		ug/L			04/04/13 18:34	100
1,1-Dichloropropene	ND		100		ug/L			04/04/13 18:34	100
1,2,3-Trichlorobenzene	ND		100		ug/L			04/04/13 18:34	100
1,2,3-Trichloropropane	ND		100		ug/L			04/04/13 18:34	100
1,2,4-Trichlorobenzene	ND		100		ug/L			04/04/13 18:34	100
1,2,4-Trimethylbenzene	ND		100		ug/L			04/04/13 18:34	100
1,2-Dibromo-3-Chloropropane	ND		500		ug/L			04/04/13 18:34	100
1,2-Dichlorobenzene	ND		100		ug/L			04/04/13 18:34	100
1,2-Dichloroethane	ND		100		ug/L			04/04/13 18:34	100
1,2-Dichloropropane	ND		100		ug/L			04/04/13 18:34	100
1,3,5-Trimethylbenzene	ND		100		ug/L			04/04/13 18:34	100
1,3-Dichlorobenzene	ND		100		ug/L			04/04/13 18:34	100
1,3-Dichloropropane	ND		100		ug/L			04/04/13 18:34	100
1,4-Dichlorobenzene	ND		100		ug/L			04/04/13 18:34	100
1,4-Dioxane	ND		5000		ug/L			04/04/13 18:34	100
2,2-Dichloropropane	ND		100		ug/L			04/04/13 18:34	100
2-Butanone (MEK)	ND		1000		ug/L			04/04/13 18:34	100
2-Chlorotoluene	ND		100		ug/L			04/04/13 18:34	100
2-Hexanone	ND		1000		ug/L			04/04/13 18:34	100
4-Chlorotoluene	ND		100		ug/L			04/04/13 18:34	100
4-Isopropyltoluene	ND		100		ug/L			04/04/13 18:34	100
4-Methyl-2-pentanone (MIBK)	ND		1000		ug/L			04/04/13 18:34	100
Benzene	ND		100		ug/L			04/04/13 18:34	100
Bromobenzene	ND		100		ug/L			04/04/13 18:34	100
Bromoform	ND		100		ug/L			04/04/13 18:34	100
Bromomethane	ND		200		ug/L			04/04/13 18:34	100
Carbon disulfide	ND		1000		ug/L			04/04/13 18:34	100
Carbon tetrachloride	ND		100		ug/L			04/04/13 18:34	100

Client Sample ID: MW-551-2013 0329-01
Date Collected: 03/29/13 13:25
Date Received: 04/02/13 01:40

Lab Sample ID: 480-35387-16
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		100		ug/L			04/04/13 18:34	100
Chlorobromomethane	ND		100		ug/L			04/04/13 18:34	100
Chlorodibromomethane	ND		50		ug/L			04/04/13 18:34	100
Chloroethane	ND		200		ug/L			04/04/13 18:34	100
Chloroform	ND		100		ug/L			04/04/13 18:34	100
Chloromethane	ND		200		ug/L			04/04/13 18:34	100
cis-1,2-Dichloroethene	**240**		100		ug/L			04/04/13 18:34	100
cis-1,3-Dichloropropene	ND		40		ug/L			04/04/13 18:34	100
Dichlorobromomethane	ND		50		ug/L			04/04/13 18:34	100
Dichlorodifluoromethane	ND		100		ug/L			04/04/13 18:34	100
Ethyl ether	ND		100		ug/L			04/04/13 18:34	100
Ethylbenzene	ND		100		ug/L			04/04/13 18:34	100
Ethylene Dibromide	ND		100		ug/L			04/04/13 18:34	100
Hexachlorobutadiene	ND		40		ug/L			04/04/13 18:34	100
Isopropyl ether	ND		1000		ug/L			04/04/13 18:34	100
Isopropylbenzene	ND		100		ug/L			04/04/13 18:34	100
Methyl tert-butyl ether	ND		100		ug/L			04/04/13 18:34	100
Methylene Chloride	ND		100		ug/L			04/04/13 18:34	100
m-Xylene & p-Xylene	ND		200		ug/L			04/04/13 18:34	100
Naphthalene	ND		500		ug/L			04/04/13 18:34	100
n-Butylbenzene	ND		100		ug/L			04/04/13 18:34	100
N-Propylbenzene	ND		100		ug/L			04/04/13 18:34	100
o-Xylene	ND		100		ug/L			04/04/13 18:34	100
sec-Butylbenzene	ND		100		ug/L			04/04/13 18:34	100
Styrene	ND		100		ug/L			04/04/13 18:34	100
Tert-amyl methyl ether	ND		500		ug/L			04/04/13 18:34	100
Tert-butyl ethyl ether	ND		500		ug/L			04/04/13 18:34	100
tert-Butylbenzene	ND		100		ug/L			04/04/13 18:34	100
Tetrachloroethene	ND		100		ug/L			04/04/13 18:34	100
Tetrahydrofuran	ND		1000		ug/L			04/04/13 18:34	100
Toluene	ND		100		ug/L			04/04/13 18:34	100
trans-1,2-Dichloroethene	ND		100		ug/L			04/04/13 18:34	100
trans-1,3-Dichloropropene	ND		40		ug/L			04/04/13 18:34	100
Trichloroethene	ND		100		ug/L			04/04/13 18:34	100
Trichlorofluoromethane	ND		100		ug/L			04/04/13 18:34	100
Vinyl chloride	**130**		100		ug/L			04/04/13 18:34	100
Dibromomethane	ND		100		ug/L			04/04/13 18:34	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*04/04/13 18:34*	*100*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 130*		*04/04/13 18:34*	*100*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*04/04/13 18:34*	*100*

Method: 8260C - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**130000**		20000		ug/L			04/05/13 02:56	400

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*04/05/13 02:56*	*400*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 130*		*04/05/13 02:56*	*400*

Client Sample ID: MW-551-2013 0329-01

Lab Sample ID: 480-35387-16

Date Collected: 03/29/13 13:25

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130		04/05/13 02:56	400

Client Sample ID: MW-552-2013 0329-01

Lab Sample ID: 480-35387-17

Date Collected: 03/29/13 09:35

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	3.7		3.2		ug/L			04/03/13 18:44	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	104		50 - 150		04/03/13 18:44	2
TBA-d9 (Surr)	152	X	50 - 150		04/03/13 18:44	2

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		8.0		ug/L			04/05/13 03:20	8
1,1,1-Trichloroethane	ND		8.0		ug/L			04/05/13 03:20	8
1,1,2,2-Tetrachloroethane	ND		4.0		ug/L			04/05/13 03:20	8
1,1,2-Trichloroethane	ND		8.0		ug/L			04/05/13 03:20	8
1,1-Dichloroethane	ND		8.0		ug/L			04/05/13 03:20	8
1,1-Dichloroethene	ND		8.0		ug/L			04/05/13 03:20	8
1,1-Dichloropropene	ND		8.0		ug/L			04/05/13 03:20	8
1,2,3-Trichlorobenzene	ND		8.0		ug/L			04/05/13 03:20	8
1,2,3-Trichloropropane	ND		8.0		ug/L			04/05/13 03:20	8
1,2,4-Trichlorobenzene	ND		8.0		ug/L			04/05/13 03:20	8
1,2,4-Trimethylbenzene	ND		8.0		ug/L			04/05/13 03:20	8
1,2-Dibromo-3-Chloropropane	ND		40		ug/L			04/05/13 03:20	8
1,2-Dichlorobenzene	ND		8.0		ug/L			04/05/13 03:20	8
1,2-Dichloroethane	ND		8.0		ug/L			04/05/13 03:20	8
1,2-Dichloropropane	ND		8.0		ug/L			04/05/13 03:20	8
1,3,5-Trimethylbenzene	ND		8.0		ug/L			04/05/13 03:20	8
1,3-Dichlorobenzene	ND		8.0		ug/L			04/05/13 03:20	8
1,3-Dichloropropane	ND		8.0		ug/L			04/05/13 03:20	8
1,4-Dichlorobenzene	ND		8.0		ug/L			04/05/13 03:20	8
1,4-Dioxane	ND		400		ug/L			04/05/13 03:20	8
2,2-Dichloropropane	ND		8.0		ug/L			04/05/13 03:20	8
2-Butanone (MEK)	ND		80		ug/L			04/05/13 03:20	8
2-Chlorotoluene	ND		8.0		ug/L			04/05/13 03:20	8
2-Hexanone	ND		80		ug/L			04/05/13 03:20	8
4-Chlorotoluene	ND		8.0		ug/L			04/05/13 03:20	8
4-Isopropyltoluene	ND		8.0		ug/L			04/05/13 03:20	8
4-Methyl-2-pentanone (MIBK)	ND		80		ug/L			04/05/13 03:20	8
Acetone	2900		400		ug/L			04/05/13 03:20	8
Benzene	ND		8.0		ug/L			04/05/13 03:20	8
Bromobenzene	ND		8.0		ug/L			04/05/13 03:20	8
Bromoform	ND		8.0		ug/L			04/05/13 03:20	8
Bromomethane	ND		16		ug/L			04/05/13 03:20	8
Carbon disulfide	ND		80		ug/L			04/05/13 03:20	8
Carbon tetrachloride	ND		8.0		ug/L			04/05/13 03:20	8

Client Sample ID: MW-552-2013 0329-01 — **Lab Sample ID: 480-35387-17**
Date Collected: 03/29/13 09:35 — **Matrix: Water**
Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		8.0		ug/L			04/05/13 03:20	8
Chlorobromomethane	ND		8.0		ug/L			04/05/13 03:20	8
Chlorodibromomethane	ND		4.0		ug/L			04/05/13 03:20	8
Chloroethane	ND	*	16		ug/L			04/05/13 03:20	8
Chloroform	ND		8.0		ug/L			04/05/13 03:20	8
Chloromethane	ND		16		ug/L			04/05/13 03:20	8
cis-1,2-Dichloroethene	**320**		8.0		ug/L			04/05/13 03:20	8
cis-1,3-Dichloropropene	ND		3.2		ug/L			04/05/13 03:20	8
Dichlorobromomethane	ND		4.0		ug/L			04/05/13 03:20	8
Dichlorodifluoromethane	ND		8.0		ug/L			04/05/13 03:20	8
Ethyl ether	ND		8.0		ug/L			04/05/13 03:20	8
Ethylbenzene	ND		8.0		ug/L			04/05/13 03:20	8
Ethylene Dibromide	ND		8.0		ug/L			04/05/13 03:20	8
Hexachlorobutadiene	ND		3.2		ug/L			04/05/13 03:20	8
Isopropyl ether	ND		80		ug/L			04/05/13 03:20	8
Isopropylbenzene	ND		8.0		ug/L			04/05/13 03:20	8
Methyl tert-butyl ether	ND		8.0		ug/L			04/05/13 03:20	8
Methylene Chloride	ND		8.0		ug/L			04/05/13 03:20	8
m-Xylene & p-Xylene	ND		16		ug/L			04/05/13 03:20	8
Naphthalene	ND		40		ug/L			04/05/13 03:20	8
n-Butylbenzene	ND		8.0		ug/L			04/05/13 03:20	8
N-Propylbenzene	ND		8.0		ug/L			04/05/13 03:20	8
o-Xylene	ND		8.0		ug/L			04/05/13 03:20	8
sec-Butylbenzene	ND		8.0		ug/L			04/05/13 03:20	8
Styrene	ND		8.0		ug/L			04/05/13 03:20	8
Tert-amyl methyl ether	ND		40		ug/L			04/05/13 03:20	8
Tert-butyl ethyl ether	ND		40		ug/L			04/05/13 03:20	8
tert-Butylbenzene	ND		8.0		ug/L			04/05/13 03:20	8
Tetrachloroethene	ND		8.0		ug/L			04/05/13 03:20	8
Tetrahydrofuran	ND		80		ug/L			04/05/13 03:20	8
Toluene	ND		8.0		ug/L			04/05/13 03:20	8
trans-1,2-Dichloroethene	ND		8.0		ug/L			04/05/13 03:20	8
trans-1,3-Dichloropropene	ND		3.2		ug/L			04/05/13 03:20	8
Trichloroethene	**39**		8.0		ug/L			04/05/13 03:20	8
Trichlorofluoromethane	ND		8.0		ug/L			04/05/13 03:20	8
Vinyl chloride	**260**		8.0		ug/L			04/05/13 03:20	8
Dibromomethane	ND		8.0		ug/L			04/05/13 03:20	8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*70 - 130*		*04/05/13 03:20*	*8*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 130*		*04/05/13 03:20*	*8*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*04/05/13 03:20*	*8*

Client Sample ID: MW-553-2013 0329-01 — **Lab Sample ID: 480-35387-18**
Date Collected: 03/29/13 10:40 — **Matrix: Water**
Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		200		ug/L			04/04/13 19:21	200

Client Sample ID: MW-553-2013 0329-01
Date Collected: 03/29/13 10:40
Date Received: 04/02/13 01:40

Lab Sample ID: 480-35387-18
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		200		ug/L			04/04/13 19:21	200
1,1,2,2-Tetrachloroethane	ND		100		ug/L			04/04/13 19:21	200
1,1,2-Trichloroethane	ND		200		ug/L			04/04/13 19:21	200
1,1-Dichloroethane	ND		200		ug/L			04/04/13 19:21	200
1,1-Dichloroethene	ND		200		ug/L			04/04/13 19:21	200
1,1-Dichloropropene	ND		200		ug/L			04/04/13 19:21	200
1,2,3-Trichlorobenzene	ND		200		ug/L			04/04/13 19:21	200
1,2,3-Trichloropropane	ND		200		ug/L			04/04/13 19:21	200
1,2,4-Trichlorobenzene	ND		200		ug/L			04/04/13 19:21	200
1,2,4-Trimethylbenzene	ND		200		ug/L			04/04/13 19:21	200
1,2-Dibromo-3-Chloropropane	ND		1000		ug/L			04/04/13 19:21	200
1,2-Dichlorobenzene	ND		200		ug/L			04/04/13 19:21	200
1,2-Dichloroethane	ND		200		ug/L			04/04/13 19:21	200
1,2-Dichloropropane	ND		200		ug/L			04/04/13 19:21	200
1,3,5-Trimethylbenzene	ND		200		ug/L			04/04/13 19:21	200
1,3-Dichlorobenzene	ND		200		ug/L			04/04/13 19:21	200
1,3-Dichloropropane	ND		200		ug/L			04/04/13 19:21	200
1,4-Dichlorobenzene	ND		200		ug/L			04/04/13 19:21	200
1,4-Dioxane	ND		10000		ug/L			04/04/13 19:21	200
2,2-Dichloropropane	ND		200		ug/L			04/04/13 19:21	200
2-Butanone (MEK)	ND		2000		ug/L			04/04/13 19:21	200
2-Chlorotoluene	ND		200		ug/L			04/04/13 19:21	200
2-Hexanone	ND		2000		ug/L			04/04/13 19:21	200
4-Chlorotoluene	ND		200		ug/L			04/04/13 19:21	200
4-Isopropyltoluene	ND		200		ug/L			04/04/13 19:21	200
4-Methyl-2-pentanone (MIBK)	ND		2000		ug/L			04/04/13 19:21	200
Benzene	ND		200		ug/L			04/04/13 19:21	200
Bromobenzene	ND		200		ug/L			04/04/13 19:21	200
Bromoform	ND		200		ug/L			04/04/13 19:21	200
Bromomethane	ND		400		ug/L			04/04/13 19:21	200
Carbon disulfide	ND		2000		ug/L			04/04/13 19:21	200
Carbon tetrachloride	ND		200		ug/L			04/04/13 19:21	200
Chlorobenzene	ND		200		ug/L			04/04/13 19:21	200
Chlorobromomethane	ND		200		ug/L			04/04/13 19:21	200
Chlorodibromomethane	ND		100		ug/L			04/04/13 19:21	200
Chloroethane	ND		400		ug/L			04/04/13 19:21	200
Chloroform	ND		200		ug/L			04/04/13 19:21	200
Chloromethane	ND		400		ug/L			04/04/13 19:21	200
cis-1,2-Dichloroethene	ND		200		ug/L			04/04/13 19:21	200
cis-1,3-Dichloropropene	ND		80		ug/L			04/04/13 19:21	200
Dichlorobromomethane	ND		100		ug/L			04/04/13 19:21	200
Dichlorodifluoromethane	ND		200		ug/L			04/04/13 19:21	200
Ethyl ether	ND		200		ug/L			04/04/13 19:21	200
Ethylbenzene	ND		200		ug/L			04/04/13 19:21	200
Ethylene Dibromide	ND		200		ug/L			04/04/13 19:21	200
Hexachlorobutadiene	ND		80		ug/L			04/04/13 19:21	200
Isopropyl ether	ND		2000		ug/L			04/04/13 19:21	200
Isopropylbenzene	ND		200		ug/L			04/04/13 19:21	200
Methyl tert-butyl ether	ND		200		ug/L			04/04/13 19:21	200

Client Sample ID: MW-553-2013 0329-01

Lab Sample ID: 480-35387-18

Date Collected: 03/29/13 10:40

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		200		ug/L			04/04/13 19:21	200
m-Xylene & p-Xylene	ND		400		ug/L			04/04/13 19:21	200
Naphthalene	ND		1000		ug/L			04/04/13 19:21	200
n-Butylbenzene	ND		200		ug/L			04/04/13 19:21	200
N-Propylbenzene	ND		200		ug/L			04/04/13 19:21	200
o-Xylene	ND		200		ug/L			04/04/13 19:21	200
sec-Butylbenzene	ND		200		ug/L			04/04/13 19:21	200
Styrene	ND		200		ug/L			04/04/13 19:21	200
Tert-amyl methyl ether	ND		1000		ug/L			04/04/13 19:21	200
Tert-butyl ethyl ether	ND		1000		ug/L			04/04/13 19:21	200
tert-Butylbenzene	ND		200		ug/L			04/04/13 19:21	200
Tetrachloroethene	ND		200		ug/L			04/04/13 19:21	200
Tetrahydrofuran	ND		2000		ug/L			04/04/13 19:21	200
Toluene	ND		200		ug/L			04/04/13 19:21	200
trans-1,2-Dichloroethene	ND		200		ug/L			04/04/13 19:21	200
trans-1,3-Dichloropropene	ND		80		ug/L			04/04/13 19:21	200
Trichloroethene	ND		200		ug/L			04/04/13 19:21	200
Trichlorofluoromethane	ND		200		ug/L			04/04/13 19:21	200
Vinyl chloride	ND		200		ug/L			04/04/13 19:21	200
Dibromomethane	ND		200		ug/L			04/04/13 19:21	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*04/04/13 19:21*	*200*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 130*		*04/04/13 19:21*	*200*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*04/04/13 19:21*	*200*

Method: 8260C - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	130000		20000		ug/L			04/05/13 03:43	400

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*04/05/13 03:43*	*400*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 130*		*04/05/13 03:43*	*400*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*04/05/13 03:43*	*400*

Client Sample ID: MW-560-2013 0329-01

Lab Sample ID: 480-35387-19

Date Collected: 03/29/13 10:35

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			04/04/13 19:45	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/04/13 19:45	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			04/04/13 19:45	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/04/13 19:45	1
1,1-Dichloroethane	ND		1.0		ug/L			04/04/13 19:45	1
1,1-Dichloroethene	ND		1.0		ug/L			04/04/13 19:45	1
1,1-Dichloropropene	ND		1.0		ug/L			04/04/13 19:45	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			04/04/13 19:45	1
1,2,3-Trichloropropane	ND		1.0		ug/L			04/04/13 19:45	1

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

Client Sample ID: MW-560-2013 0329-01
Date Collected: 03/29/13 10:35
Date Received: 04/02/13 01:40

Lab Sample ID: 480-35387-19
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/04/13 19:45	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			04/04/13 19:45	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			04/04/13 19:45	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/04/13 19:45	1
1,2-Dichloroethane	ND		1.0		ug/L			04/04/13 19:45	1
1,2-Dichloropropane	ND		1.0		ug/L			04/04/13 19:45	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			04/04/13 19:45	1
1,3-Dichlorobenzene	ND		1.0		ug/L			04/04/13 19:45	1
1,3-Dichloropropane	ND		1.0		ug/L			04/04/13 19:45	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/04/13 19:45	1
1,4-Dioxane	ND		50		ug/L			04/04/13 19:45	1
2,2-Dichloropropane	ND		1.0		ug/L			04/04/13 19:45	1
2-Butanone (MEK)	ND		10		ug/L			04/04/13 19:45	1
2-Chlorotoluene	ND		1.0		ug/L			04/04/13 19:45	1
2-Hexanone	ND		10		ug/L			04/04/13 19:45	1
4-Chlorotoluene	ND		1.0		ug/L			04/04/13 19:45	1
4-Isopropyltoluene	ND		1.0		ug/L			04/04/13 19:45	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			04/04/13 19:45	1
Acetone	ND		50		ug/L			04/04/13 19:45	1
Benzene	ND		1.0		ug/L			04/04/13 19:45	1
Bromobenzene	ND		1.0		ug/L			04/04/13 19:45	1
Bromoform	ND		1.0		ug/L			04/04/13 19:45	1
Bromomethane	ND		2.0		ug/L			04/04/13 19:45	1
Carbon disulfide	ND		10		ug/L			04/04/13 19:45	1
Carbon tetrachloride	ND		1.0		ug/L			04/04/13 19:45	1
Chlorobenzene	ND		1.0		ug/L			04/04/13 19:45	1
Chlorobromomethane	ND		1.0		ug/L			04/04/13 19:45	1
Chlorodibromomethane	ND		0.50		ug/L			04/04/13 19:45	1
Chloroethane	ND		2.0		ug/L			04/04/13 19:45	1
Chloroform	ND		1.0		ug/L			04/04/13 19:45	1
Chloromethane	ND		2.0		ug/L			04/04/13 19:45	1
cis-1,2-Dichloroethene	**16**		1.0		ug/L			04/04/13 19:45	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			04/04/13 19:45	1
Dichlorobromomethane	ND		0.50		ug/L			04/04/13 19:45	1
Dichlorodifluoromethane	ND		1.0		ug/L			04/04/13 19:45	1
Ethyl ether	ND		1.0		ug/L			04/04/13 19:45	1
Ethylbenzene	ND		1.0		ug/L			04/04/13 19:45	1
Ethylene Dibromide	ND		1.0		ug/L			04/04/13 19:45	1
Hexachlorobutadiene	ND		0.40		ug/L			04/04/13 19:45	1
Isopropyl ether	ND		10		ug/L			04/04/13 19:45	1
Isopropylbenzene	ND		1.0		ug/L			04/04/13 19:45	1
Methyl tert-butyl ether	ND		1.0		ug/L			04/04/13 19:45	1
Methylene Chloride	ND		1.0		ug/L			04/04/13 19:45	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/04/13 19:45	1
Naphthalene	ND		5.0		ug/L			04/04/13 19:45	1
n-Butylbenzene	ND		1.0		ug/L			04/04/13 19:45	1
N-Propylbenzene	ND		1.0		ug/L			04/04/13 19:45	1
o-Xylene	ND		1.0		ug/L			04/04/13 19:45	1
sec-Butylbenzene	ND		1.0		ug/L			04/04/13 19:45	1

Client Sample ID: MW-560-2013 0329-01

Lab Sample ID: 480-35387-19

Date Collected: 03/29/13 10:35

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0		ug/L			04/04/13 19:45	1
Tert-amyl methyl ether	ND		5.0		ug/L			04/04/13 19:45	1
Tert-butyl ethyl ether	ND		5.0		ug/L			04/04/13 19:45	1
tert-Butylbenzene	ND		1.0		ug/L			04/04/13 19:45	1
Tetrachloroethene	ND		1.0		ug/L			04/04/13 19:45	1
Tetrahydrofuran	ND		10		ug/L			04/04/13 19:45	1
Toluene	ND		1.0		ug/L			04/04/13 19:45	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/04/13 19:45	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			04/04/13 19:45	1
Trichloroethene	**3.3**		1.0		ug/L			04/04/13 19:45	1
Trichlorofluoromethane	ND		1.0		ug/L			04/04/13 19:45	1
Vinyl chloride	**1.4**		1.0		ug/L			04/04/13 19:45	1
Dibromomethane	ND		1.0		ug/L			04/04/13 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*04/04/13 19:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 130*		*04/04/13 19:45*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*04/04/13 19:45*	*1*

Client Sample ID: MW-561-2013 0329-01

Lab Sample ID: 480-35387-20

Date Collected: 03/29/13 10:15

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0		ug/L			04/05/13 13:03	5
1,1,1-Trichloroethane	ND		5.0		ug/L			04/05/13 13:03	5
1,1,2,2-Tetrachloroethane	ND		2.5		ug/L			04/05/13 13:03	5
1,1,2-Trichloroethane	ND		5.0		ug/L			04/05/13 13:03	5
1,1-Dichloroethane	ND		5.0		ug/L			04/05/13 13:03	5
1,1-Dichloroethene	ND		5.0		ug/L			04/05/13 13:03	5
1,1-Dichloropropene	ND		5.0		ug/L			04/05/13 13:03	5
1,2,3-Trichlorobenzene	ND		5.0		ug/L			04/05/13 13:03	5
1,2,3-Trichloropropane	ND		5.0		ug/L			04/05/13 13:03	5
1,2,4-Trichlorobenzene	ND		5.0		ug/L			04/05/13 13:03	5
1,2,4-Trimethylbenzene	ND		5.0		ug/L			04/05/13 13:03	5
1,2-Dibromo-3-Chloropropane	ND		25		ug/L			04/05/13 13:03	5
1,2-Dichlorobenzene	ND		5.0		ug/L			04/05/13 13:03	5
1,2-Dichloroethane	ND		5.0		ug/L			04/05/13 13:03	5
1,2-Dichloropropane	ND		5.0		ug/L			04/05/13 13:03	5
1,3,5-Trimethylbenzene	ND		5.0		ug/L			04/05/13 13:03	5
1,3-Dichlorobenzene	ND		5.0		ug/L			04/05/13 13:03	5
1,3-Dichloropropane	ND		5.0		ug/L			04/05/13 13:03	5
1,4-Dichlorobenzene	ND		5.0		ug/L			04/05/13 13:03	5
1,4-Dioxane	ND		250		ug/L			04/05/13 13:03	5
2,2-Dichloropropane	ND		5.0		ug/L			04/05/13 13:03	5
2-Butanone (MEK)	ND		50		ug/L			04/05/13 13:03	5
2-Chlorotoluene	ND		5.0		ug/L			04/05/13 13:03	5
2-Hexanone	ND		50		ug/L			04/05/13 13:03	5
4-Chlorotoluene	ND		5.0		ug/L			04/05/13 13:03	5

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

Client Sample ID: MW-561-2013 0329-01
Date Collected: 03/29/13 10:15
Date Received: 04/02/13 01:40

Lab Sample ID: 480-35387-20
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		5.0		ug/L			04/05/13 13:03	5
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			04/05/13 13:03	5
Acetone	ND		250		ug/L			04/05/13 13:03	5
Benzene	ND		5.0		ug/L			04/05/13 13:03	5
Bromobenzene	ND		5.0		ug/L			04/05/13 13:03	5
Bromoform	ND		5.0		ug/L			04/05/13 13:03	5
Bromomethane	ND		10		ug/L			04/05/13 13:03	5
Carbon disulfide	ND		50		ug/L			04/05/13 13:03	5
Carbon tetrachloride	ND		5.0		ug/L			04/05/13 13:03	5
Chlorobenzene	ND		5.0		ug/L			04/05/13 13:03	5
Chlorobromomethane	ND		5.0		ug/L			04/05/13 13:03	5
Chlorodibromomethane	ND		2.5		ug/L			04/05/13 13:03	5
Chloroethane	ND		10		ug/L			04/05/13 13:03	5
Chloroform	ND		5.0		ug/L			04/05/13 13:03	5
Chloromethane	ND		10		ug/L			04/05/13 13:03	5
cis-1,2-Dichloroethene	**220**		5.0		ug/L			04/05/13 13:03	5
cis-1,3-Dichloropropene	ND		2.0		ug/L			04/05/13 13:03	5
Dichlorobromomethane	ND		2.5		ug/L			04/05/13 13:03	5
Dichlorodifluoromethane	ND		5.0		ug/L			04/05/13 13:03	5
Ethyl ether	ND		5.0		ug/L			04/05/13 13:03	5
Ethylbenzene	ND		5.0		ug/L			04/05/13 13:03	5
Ethylene Dibromide	ND		5.0		ug/L			04/05/13 13:03	5
Hexachlorobutadiene	ND		2.0		ug/L			04/05/13 13:03	5
Isopropyl ether	ND		50		ug/L			04/05/13 13:03	5
Isopropylbenzene	ND		5.0		ug/L			04/05/13 13:03	5
Methyl tert-butyl ether	ND		5.0		ug/L			04/05/13 13:03	5
Methylene Chloride	ND		5.0		ug/L			04/05/13 13:03	5
m-Xylene & p-Xylene	ND		10		ug/L			04/05/13 13:03	5
Naphthalene	ND		25		ug/L			04/05/13 13:03	5
n-Butylbenzene	ND		5.0		ug/L			04/05/13 13:03	5
N-Propylbenzene	ND		5.0		ug/L			04/05/13 13:03	5
o-Xylene	ND		5.0		ug/L			04/05/13 13:03	5
sec-Butylbenzene	ND		5.0		ug/L			04/05/13 13:03	5
Styrene	ND		5.0		ug/L			04/05/13 13:03	5
Tert-amyl methyl ether	ND		25		ug/L			04/05/13 13:03	5
Tert-butyl ethyl ether	ND		25		ug/L			04/05/13 13:03	5
tert-Butylbenzene	ND		5.0		ug/L			04/05/13 13:03	5
Tetrachloroethene	ND		5.0		ug/L			04/05/13 13:03	5
Tetrahydrofuran	ND		50		ug/L			04/05/13 13:03	5
Toluene	ND		5.0		ug/L			04/05/13 13:03	5
trans-1,2-Dichloroethene	**20**		5.0		ug/L			04/05/13 13:03	5
trans-1,3-Dichloropropene	ND		2.0		ug/L			04/05/13 13:03	5
Trichloroethene	**96**		5.0		ug/L			04/05/13 13:03	5
Trichlorofluoromethane	ND		5.0		ug/L			04/05/13 13:03	5
Vinyl chloride	**310**		5.0		ug/L			04/05/13 13:03	5
Dibromomethane	ND		5.0		ug/L			04/05/13 13:03	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*04/05/13 13:03*	*5*
1,2-Dichloroethane-d4 (Surr)	*86*		*70 - 130*		*04/05/13 13:03*	*5*

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

Client Sample ID: MW-561-2013 0329-01

Lab Sample ID: 480-35387-20

Date Collected: 03/29/13 10:15

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130		04/05/13 13:03	5

Client Sample ID: MW-562-2013 0329-01

Lab Sample ID: 480-35387-21

Date Collected: 03/29/13 12:30

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.0		ug/L			04/05/13 13:27	4
1,1,1-Trichloroethane	ND		4.0		ug/L			04/05/13 13:27	4
1,1,2,2-Tetrachloroethane	ND		2.0		ug/L			04/05/13 13:27	4
1,1,2-Trichloroethane	ND		4.0		ug/L			04/05/13 13:27	4
1,1-Dichloroethane	ND		4.0		ug/L			04/05/13 13:27	4
1,1-Dichloroethene	ND		4.0		ug/L			04/05/13 13:27	4
1,1-Dichloropropene	ND		4.0		ug/L			04/05/13 13:27	4
1,2,3-Trichlorobenzene	ND		4.0		ug/L			04/05/13 13:27	4
1,2,3-Trichloropropane	ND		4.0		ug/L			04/05/13 13:27	4
1,2,4-Trichlorobenzene	ND		4.0		ug/L			04/05/13 13:27	4
1,2,4-Trimethylbenzene	ND		4.0		ug/L			04/05/13 13:27	4
1,2-Dibromo-3-Chloropropane	ND		20		ug/L			04/05/13 13:27	4
1,2-Dichlorobenzene	ND		4.0		ug/L			04/05/13 13:27	4
1,2-Dichloroethane	ND		4.0		ug/L			04/05/13 13:27	4
1,2-Dichloropropane	ND		4.0		ug/L			04/05/13 13:27	4
1,3,5-Trimethylbenzene	ND		4.0		ug/L			04/05/13 13:27	4
1,3-Dichlorobenzene	ND		4.0		ug/L			04/05/13 13:27	4
1,3-Dichloropropane	ND		4.0		ug/L			04/05/13 13:27	4
1,4-Dichlorobenzene	ND		4.0		ug/L			04/05/13 13:27	4
1,4-Dioxane	ND		200		ug/L			04/05/13 13:27	4
2,2-Dichloropropane	ND		4.0		ug/L			04/05/13 13:27	4
2-Butanone (MEK)	**540**		40		ug/L			04/05/13 13:27	4
2-Chlorotoluene	ND		4.0		ug/L			04/05/13 13:27	4
2-Hexanone	ND		40		ug/L			04/05/13 13:27	4
4-Chlorotoluene	ND		4.0		ug/L			04/05/13 13:27	4
4-Isopropyltoluene	ND		4.0		ug/L			04/05/13 13:27	4
4-Methyl-2-pentanone (MIBK)	ND		40		ug/L			04/05/13 13:27	4
Acetone	**930**		200		ug/L			04/05/13 13:27	4
Benzene	ND		4.0		ug/L			04/05/13 13:27	4
Bromobenzene	ND		4.0		ug/L			04/05/13 13:27	4
Bromoform	ND		4.0		ug/L			04/05/13 13:27	4
Bromomethane	ND		8.0		ug/L			04/05/13 13:27	4
Carbon disulfide	ND		40		ug/L			04/05/13 13:27	4
Carbon tetrachloride	ND		4.0		ug/L			04/05/13 13:27	4
Chlorobenzene	ND		4.0		ug/L			04/05/13 13:27	4
Chlorobromomethane	ND		4.0		ug/L			04/05/13 13:27	4
Chlorodibromomethane	ND		2.0		ug/L			04/05/13 13:27	4
Chloroethane	ND		8.0		ug/L			04/05/13 13:27	4
Chloroform	ND		4.0		ug/L			04/05/13 13:27	4
Chloromethane	ND		8.0		ug/L			04/05/13 13:27	4
cis-1,2-Dichloroethene	ND		4.0		ug/L			04/05/13 13:27	4

Client Sample ID: MW-562-2013 0329-01

Lab Sample ID: 480-35387-21

Date Collected: 03/29/13 12:30

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.6		ug/L			04/05/13 13:27	4
Dichlorobromomethane	ND		2.0		ug/L			04/05/13 13:27	4
Dichlorodifluoromethane	ND		4.0		ug/L			04/05/13 13:27	4
Ethyl ether	ND		4.0		ug/L			04/05/13 13:27	4
Ethylbenzene	ND		4.0		ug/L			04/05/13 13:27	4
Ethylene Dibromide	ND		4.0		ug/L			04/05/13 13:27	4
Hexachlorobutadiene	ND		1.6		ug/L			04/05/13 13:27	4
Isopropyl ether	ND		40		ug/L			04/05/13 13:27	4
Isopropylbenzene	ND		4.0		ug/L			04/05/13 13:27	4
Methyl tert-butyl ether	ND		4.0		ug/L			04/05/13 13:27	4
Methylene Chloride	ND		4.0		ug/L			04/05/13 13:27	4
m-Xylene & p-Xylene	ND		8.0		ug/L			04/05/13 13:27	4
Naphthalene	ND		20		ug/L			04/05/13 13:27	4
n-Butylbenzene	ND		4.0		ug/L			04/05/13 13:27	4
N-Propylbenzene	ND		4.0		ug/L			04/05/13 13:27	4
o-Xylene	ND		4.0		ug/L			04/05/13 13:27	4
sec-Butylbenzene	ND		4.0		ug/L			04/05/13 13:27	4
Styrene	ND		4.0		ug/L			04/05/13 13:27	4
Tert-amyl methyl ether	ND		20		ug/L			04/05/13 13:27	4
Tert-butyl ethyl ether	ND		20		ug/L			04/05/13 13:27	4
tert-Butylbenzene	ND		4.0		ug/L			04/05/13 13:27	4
Tetrachloroethene	ND		4.0		ug/L			04/05/13 13:27	4
Tetrahydrofuran	ND		40		ug/L			04/05/13 13:27	4
Toluene	ND		4.0		ug/L			04/05/13 13:27	4
trans-1,2-Dichloroethene	ND		4.0		ug/L			04/05/13 13:27	4
trans-1,3-Dichloropropene	ND		1.6		ug/L			04/05/13 13:27	4
Trichloroethene	ND		4.0		ug/L			04/05/13 13:27	4
Trichlorofluoromethane	ND		4.0		ug/L			04/05/13 13:27	4
Vinyl chloride	ND		4.0		ug/L			04/05/13 13:27	4
Dibromomethane	ND		4.0		ug/L			04/05/13 13:27	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*04/05/13 13:27*	*4*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 130*		*04/05/13 13:27*	*4*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*04/05/13 13:27*	*4*

Client Sample ID: MW-563-2013 0329-01

Lab Sample ID: 480-35387-22

Date Collected: 03/29/13 09:35

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		10		ug/L			04/05/13 04:55	10
1,1,1-Trichloroethane	ND		10		ug/L			04/05/13 04:55	10
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			04/05/13 04:55	10
1,1,2-Trichloroethane	ND		10		ug/L			04/05/13 04:55	10
1,1-Dichloroethane	ND		10		ug/L			04/05/13 04:55	10
1,1-Dichloroethene	ND		10		ug/L			04/05/13 04:55	10
1,1-Dichloropropene	ND		10		ug/L			04/05/13 04:55	10
1,2,3-Trichlorobenzene	ND		10		ug/L			04/05/13 04:55	10

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

Client Sample ID: MW-563-2013 0329-01
Date Collected: 03/29/13 09:35
Date Received: 04/02/13 01:40

Lab Sample ID: 480-35387-22
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	ND		10		ug/L			04/05/13 04:55	10
1,2,4-Trichlorobenzene	ND		10		ug/L			04/05/13 04:55	10
1,2,4-Trimethylbenzene	ND		10		ug/L			04/05/13 04:55	10
1,2-Dibromo-3-Chloropropane	ND		50		ug/L			04/05/13 04:55	10
1,2-Dichlorobenzene	ND		10		ug/L			04/05/13 04:55	10
1,2-Dichloroethane	ND		10		ug/L			04/05/13 04:55	10
1,2-Dichloropropane	ND		10		ug/L			04/05/13 04:55	10
1,3,5-Trimethylbenzene	ND		10		ug/L			04/05/13 04:55	10
1,3-Dichlorobenzene	ND		10		ug/L			04/05/13 04:55	10
1,3-Dichloropropane	ND		10		ug/L			04/05/13 04:55	10
1,4-Dichlorobenzene	ND		10		ug/L			04/05/13 04:55	10
1,4-Dioxane	ND		500		ug/L			04/05/13 04:55	10
2,2-Dichloropropane	ND		10		ug/L			04/05/13 04:55	10
2-Butanone (MEK)	ND		100		ug/L			04/05/13 04:55	10
2-Chlorotoluene	ND		10		ug/L			04/05/13 04:55	10
2-Hexanone	ND		100		ug/L			04/05/13 04:55	10
4-Chlorotoluene	ND		10		ug/L			04/05/13 04:55	10
4-Isopropyltoluene	ND		10		ug/L			04/05/13 04:55	10
4-Methyl-2-pentanone (MIBK)	ND		100		ug/L			04/05/13 04:55	10
Acetone	ND		500		ug/L			04/05/13 04:55	10
Benzene	ND		10		ug/L			04/05/13 04:55	10
Bromobenzene	ND		10		ug/L			04/05/13 04:55	10
Bromoform	ND		10		ug/L			04/05/13 04:55	10
Bromomethane	ND		20		ug/L			04/05/13 04:55	10
Carbon disulfide	ND		100		ug/L			04/05/13 04:55	10
Carbon tetrachloride	ND		10		ug/L			04/05/13 04:55	10
Chlorobenzene	ND		10		ug/L			04/05/13 04:55	10
Chlorobromomethane	ND		10		ug/L			04/05/13 04:55	10
Chlorodibromomethane	ND		5.0		ug/L			04/05/13 04:55	10
Chloroethane	ND	*	20		ug/L			04/05/13 04:55	10
Chloroform	ND		10		ug/L			04/05/13 04:55	10
Chloromethane	ND		20		ug/L			04/05/13 04:55	10
cis-1,2-Dichloroethene	**420**		10		ug/L			04/05/13 04:55	10
cis-1,3-Dichloropropene	ND		4.0		ug/L			04/05/13 04:55	10
Dichlorobromomethane	ND		5.0		ug/L			04/05/13 04:55	10
Dichlorodifluoromethane	ND		10		ug/L			04/05/13 04:55	10
Ethyl ether	ND		10		ug/L			04/05/13 04:55	10
Ethylbenzene	ND		10		ug/L			04/05/13 04:55	10
Ethylene Dibromide	ND		10		ug/L			04/05/13 04:55	10
Hexachlorobutadiene	ND		4.0		ug/L			04/05/13 04:55	10
Isopropyl ether	ND		100		ug/L			04/05/13 04:55	10
Isopropylbenzene	ND		10		ug/L			04/05/13 04:55	10
Methyl tert-butyl ether	ND		10		ug/L			04/05/13 04:55	10
Methylene Chloride	ND		10		ug/L			04/05/13 04:55	10
m-Xylene & p-Xylene	ND		20		ug/L			04/05/13 04:55	10
Naphthalene	ND		50		ug/L			04/05/13 04:55	10
n-Butylbenzene	ND		10		ug/L			04/05/13 04:55	10
N-Propylbenzene	ND		10		ug/L			04/05/13 04:55	10
o-Xylene	ND		10		ug/L			04/05/13 04:55	10

Client Sample ID: MW-563-2013 0329-01

Lab Sample ID: 480-35387-22

Date Collected: 03/29/13 09:35

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		10		ug/L			04/05/13 04:55	10
Styrene	ND		10		ug/L			04/05/13 04:55	10
Tert-amyl methyl ether	ND		50		ug/L			04/05/13 04:55	10
Tert-butyl ethyl ether	ND		50		ug/L			04/05/13 04:55	10
tert-Butylbenzene	ND		10		ug/L			04/05/13 04:55	10
Tetrachloroethene	ND		10		ug/L			04/05/13 04:55	10
Tetrahydrofuran	ND		100		ug/L			04/05/13 04:55	10
Toluene	ND		10		ug/L			04/05/13 04:55	10
trans-1,2-Dichloroethene	ND		10		ug/L			04/05/13 04:55	10
trans-1,3-Dichloropropene	ND		4.0		ug/L			04/05/13 04:55	10
Trichloroethene	ND		10		ug/L			04/05/13 04:55	10
Trichlorofluoromethane	ND		10		ug/L			04/05/13 04:55	10
Vinyl chloride	**91**		10		ug/L			04/05/13 04:55	10
Dibromomethane	ND		10		ug/L			04/05/13 04:55	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*04/05/13 04:55*	*10*
1,2-Dichloroethane-d4 (Surr)	*86*		*70 - 130*		*04/05/13 04:55*	*10*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*04/05/13 04:55*	*10*

Client Sample ID: REW-1-2013 0328-01

Lab Sample ID: 480-35387-23

Date Collected: 03/28/13 12:25

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		50		ug/L			04/05/13 05:18	50
1,1,1-Trichloroethane	ND		50		ug/L			04/05/13 05:18	50
1,1,2,2-Tetrachloroethane	ND		25		ug/L			04/05/13 05:18	50
1,1,2-Trichloroethane	ND		50		ug/L			04/05/13 05:18	50
1,1-Dichloroethane	ND		50		ug/L			04/05/13 05:18	50
1,1-Dichloroethene	ND		50		ug/L			04/05/13 05:18	50
1,1-Dichloropropene	ND		50		ug/L			04/05/13 05:18	50
1,2,3-Trichlorobenzene	ND		50		ug/L			04/05/13 05:18	50
1,2,3-Trichloropropane	ND		50		ug/L			04/05/13 05:18	50
1,2,4-Trichlorobenzene	ND		50		ug/L			04/05/13 05:18	50
1,2,4-Trimethylbenzene	ND		50		ug/L			04/05/13 05:18	50
1,2-Dibromo-3-Chloropropane	ND		250		ug/L			04/05/13 05:18	50
1,2-Dichlorobenzene	ND		50		ug/L			04/05/13 05:18	50
1,2-Dichloroethane	ND		50		ug/L			04/05/13 05:18	50
1,2-Dichloropropane	ND		50		ug/L			04/05/13 05:18	50
1,3,5-Trimethylbenzene	ND		50		ug/L			04/05/13 05:18	50
1,3-Dichlorobenzene	ND		50		ug/L			04/05/13 05:18	50
1,3-Dichloropropane	ND		50		ug/L			04/05/13 05:18	50
1,4-Dichlorobenzene	ND		50		ug/L			04/05/13 05:18	50
1,4-Dioxane	ND		2500		ug/L			04/05/13 05:18	50
2,2-Dichloropropane	ND		50		ug/L			04/05/13 05:18	50
2-Butanone (MEK)	ND		500		ug/L			04/05/13 05:18	50
2-Chlorotoluene	ND		50		ug/L			04/05/13 05:18	50
2-Hexanone	ND		500		ug/L			04/05/13 05:18	50

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

Client Sample ID: REW-1-2013 0328-01
Date Collected: 03/28/13 12:25
Date Received: 04/02/13 01:40

Lab Sample ID: 480-35387-23
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	ND		50		ug/L			04/05/13 05:18	50
4-Isopropyltoluene	ND		50		ug/L			04/05/13 05:18	50
4-Methyl-2-pentanone (MIBK)	ND		500		ug/L			04/05/13 05:18	50
Acetone	**24000**		2500		ug/L			04/05/13 05:18	50
Benzene	ND		50		ug/L			04/05/13 05:18	50
Bromobenzene	ND		50		ug/L			04/05/13 05:18	50
Bromoform	ND		50		ug/L			04/05/13 05:18	50
Bromomethane	ND		100		ug/L			04/05/13 05:18	50
Carbon disulfide	ND		500		ug/L			04/05/13 05:18	50
Carbon tetrachloride	ND		50		ug/L			04/05/13 05:18	50
Chlorobenzene	ND		50		ug/L			04/05/13 05:18	50
Chlorobromomethane	ND		50		ug/L			04/05/13 05:18	50
Chlorodibromomethane	ND		25		ug/L			04/05/13 05:18	50
Chloroethane	ND	*	100		ug/L			04/05/13 05:18	50
Chloroform	ND		50		ug/L			04/05/13 05:18	50
Chloromethane	ND		100		ug/L			04/05/13 05:18	50
cis-1,2-Dichloroethene	**81**		50		ug/L			04/05/13 05:18	50
cis-1,3-Dichloropropene	ND		20		ug/L			04/05/13 05:18	50
Dichlorobromomethane	ND		25		ug/L			04/05/13 05:18	50
Dichlorodifluoromethane	ND		50		ug/L			04/05/13 05:18	50
Ethyl ether	ND		50		ug/L			04/05/13 05:18	50
Ethylbenzene	ND		50		ug/L			04/05/13 05:18	50
Ethylene Dibromide	ND		50		ug/L			04/05/13 05:18	50
Hexachlorobutadiene	ND		20		ug/L			04/05/13 05:18	50
Isopropyl ether	ND		500		ug/L			04/05/13 05:18	50
Isopropylbenzene	ND		50		ug/L			04/05/13 05:18	50
Methyl tert-butyl ether	ND		50		ug/L			04/05/13 05:18	50
Methylene Chloride	ND		50		ug/L			04/05/13 05:18	50
m-Xylene & p-Xylene	ND		100		ug/L			04/05/13 05:18	50
Naphthalene	ND		250		ug/L			04/05/13 05:18	50
n-Butylbenzene	ND		50		ug/L			04/05/13 05:18	50
N-Propylbenzene	ND		50		ug/L			04/05/13 05:18	50
o-Xylene	ND		50		ug/L			04/05/13 05:18	50
sec-Butylbenzene	ND		50		ug/L			04/05/13 05:18	50
Styrene	ND		50		ug/L			04/05/13 05:18	50
Tert-amyl methyl ether	ND		250		ug/L			04/05/13 05:18	50
Tert-butyl ethyl ether	ND		250		ug/L			04/05/13 05:18	50
tert-Butylbenzene	ND		50		ug/L			04/05/13 05:18	50
Tetrachloroethene	ND		50		ug/L			04/05/13 05:18	50
Tetrahydrofuran	ND		500		ug/L			04/05/13 05:18	50
Toluene	ND		50		ug/L			04/05/13 05:18	50
trans-1,2-Dichloroethene	ND		50		ug/L			04/05/13 05:18	50
trans-1,3-Dichloropropene	ND		20		ug/L			04/05/13 05:18	50
Trichloroethene	ND		50		ug/L			04/05/13 05:18	50
Trichlorofluoromethane	ND		50		ug/L			04/05/13 05:18	50
Vinyl chloride	ND		50		ug/L			04/05/13 05:18	50
Dibromomethane	ND		50		ug/L			04/05/13 05:18	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*04/05/13 05:18*	*50*

Client Sample ID: REW-1-2013 0328-01 — **Lab Sample ID: 480-35387-23**
Date Collected: 03/28/13 12:25 — **Matrix: Water**
Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 130*		*04/05/13 05:18*	*50*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*04/05/13 05:18*	*50*

Client Sample ID: REW-4-2013 0328-01 — **Lab Sample ID: 480-35387-24**
Date Collected: 03/28/13 13:25 — **Matrix: Water**
Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0		ug/L			04/05/13 05:42	5
1,1,1-Trichloroethane	ND		5.0		ug/L			04/05/13 05:42	5
1,1,2,2-Tetrachloroethane	ND		2.5		ug/L			04/05/13 05:42	5
1,1,2-Trichloroethane	ND		5.0		ug/L			04/05/13 05:42	5
1,1-Dichloroethane	ND		5.0		ug/L			04/05/13 05:42	5
1,1-Dichloroethene	ND		5.0		ug/L			04/05/13 05:42	5
1,1-Dichloropropene	ND		5.0		ug/L			04/05/13 05:42	5
1,2,3-Trichlorobenzene	ND		5.0		ug/L			04/05/13 05:42	5
1,2,3-Trichloropropane	ND		5.0		ug/L			04/05/13 05:42	5
1,2,4-Trichlorobenzene	ND		5.0		ug/L			04/05/13 05:42	5
1,2,4-Trimethylbenzene	ND		5.0		ug/L			04/05/13 05:42	5
1,2-Dibromo-3-Chloropropane	ND		25		ug/L			04/05/13 05:42	5
1,2-Dichlorobenzene	ND		5.0		ug/L			04/05/13 05:42	5
1,2-Dichloroethane	ND		5.0		ug/L			04/05/13 05:42	5
1,2-Dichloropropane	ND		5.0		ug/L			04/05/13 05:42	5
1,3,5-Trimethylbenzene	ND		5.0		ug/L			04/05/13 05:42	5
1,3-Dichlorobenzene	ND		5.0		ug/L			04/05/13 05:42	5
1,3-Dichloropropane	ND		5.0		ug/L			04/05/13 05:42	5
1,4-Dichlorobenzene	ND		5.0		ug/L			04/05/13 05:42	5
1,4-Dioxane	ND		250		ug/L			04/05/13 05:42	5
2,2-Dichloropropane	ND		5.0		ug/L			04/05/13 05:42	5
2-Butanone (MEK)	**81**		50		ug/L			04/05/13 05:42	5
2-Chlorotoluene	ND		5.0		ug/L			04/05/13 05:42	5
2-Hexanone	ND		50		ug/L			04/05/13 05:42	5
4-Chlorotoluene	ND		5.0		ug/L			04/05/13 05:42	5
4-Isopropyltoluene	ND		5.0		ug/L			04/05/13 05:42	5
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			04/05/13 05:42	5
Benzene	ND		5.0		ug/L			04/05/13 05:42	5
Bromobenzene	ND		5.0		ug/L			04/05/13 05:42	5
Bromoform	ND		5.0		ug/L			04/05/13 05:42	5
Bromomethane	ND		10		ug/L			04/05/13 05:42	5
Carbon disulfide	ND		50		ug/L			04/05/13 05:42	5
Carbon tetrachloride	ND		5.0		ug/L			04/05/13 05:42	5
Chlorobenzene	ND		5.0		ug/L			04/05/13 05:42	5
Chlorobromomethane	ND		5.0		ug/L			04/05/13 05:42	5
Chlorodibromomethane	ND		2.5		ug/L			04/05/13 05:42	5
Chloroethane	ND	*	10		ug/L			04/05/13 05:42	5
Chloroform	ND		5.0		ug/L			04/05/13 05:42	5
Chloromethane	ND		10		ug/L			04/05/13 05:42	5
cis-1,2-Dichloroethene	**41**		5.0		ug/L			04/05/13 05:42	5

Client Sample ID: REW-4-2013 0328-01
Date Collected: 03/28/13 13:25
Date Received: 04/02/13 01:40

Lab Sample ID: 480-35387-24
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		2.0		ug/L			04/05/13 05:42	5
Dichlorobromomethane	ND		2.5		ug/L			04/05/13 05:42	5
Dichlorodifluoromethane	ND		5.0		ug/L			04/05/13 05:42	5
Ethyl ether	ND		5.0		ug/L			04/05/13 05:42	5
Ethylbenzene	ND		5.0		ug/L			04/05/13 05:42	5
Ethylene Dibromide	ND		5.0		ug/L			04/05/13 05:42	5
Hexachlorobutadiene	ND		2.0		ug/L			04/05/13 05:42	5
Isopropyl ether	ND		50		ug/L			04/05/13 05:42	5
Isopropylbenzene	ND		5.0		ug/L			04/05/13 05:42	5
Methyl tert-butyl ether	ND		5.0		ug/L			04/05/13 05:42	5
Methylene Chloride	ND		5.0		ug/L			04/05/13 05:42	5
m-Xylene & p-Xylene	ND		10		ug/L			04/05/13 05:42	5
Naphthalene	ND		25		ug/L			04/05/13 05:42	5
n-Butylbenzene	ND		5.0		ug/L			04/05/13 05:42	5
N-Propylbenzene	ND		5.0		ug/L			04/05/13 05:42	5
o-Xylene	ND		5.0		ug/L			04/05/13 05:42	5
sec-Butylbenzene	ND		5.0		ug/L			04/05/13 05:42	5
Styrene	ND		5.0		ug/L			04/05/13 05:42	5
Tert-amyl methyl ether	ND		25		ug/L			04/05/13 05:42	5
Tert-butyl ethyl ether	ND		25		ug/L			04/05/13 05:42	5
tert-Butylbenzene	ND		5.0		ug/L			04/05/13 05:42	5
Tetrachloroethene	ND		5.0		ug/L			04/05/13 05:42	5
Tetrahydrofuran	ND		50		ug/L			04/05/13 05:42	5
Toluene	ND		5.0		ug/L			04/05/13 05:42	5
trans-1,2-Dichloroethene	ND		5.0		ug/L			04/05/13 05:42	5
trans-1,3-Dichloropropene	ND		2.0		ug/L			04/05/13 05:42	5
Trichloroethene	ND		5.0		ug/L			04/05/13 05:42	5
Trichlorofluoromethane	ND		5.0		ug/L			04/05/13 05:42	5
Vinyl chloride	**31**		5.0		ug/L			04/05/13 05:42	5
Dibromomethane	ND		5.0		ug/L			04/05/13 05:42	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*04/05/13 05:42*	*5*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 130*		*04/05/13 05:42*	*5*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*04/05/13 05:42*	*5*

Method: 8260C - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**4400**		500		ug/L			04/05/13 13:51	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*04/05/13 13:51*	*10*
1,2-Dichloroethane-d4 (Surr)	*86*		*70 - 130*		*04/05/13 13:51*	*10*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*04/05/13 13:51*	*10*

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

Client Sample ID: REW-5-2013 0328-01
Date Collected: 03/28/13 14:00
Date Received: 04/02/13 01:40

Lab Sample ID: 480-35387-25
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		10		ug/L			04/05/13 06:06	10
1,1,1-Trichloroethane	ND		10		ug/L			04/05/13 06:06	10
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			04/05/13 06:06	10
1,1,2-Trichloroethane	ND		10		ug/L			04/05/13 06:06	10
1,1-Dichloroethane	ND		10		ug/L			04/05/13 06:06	10
1,1-Dichloroethene	ND		10		ug/L			04/05/13 06:06	10
1,1-Dichloropropene	ND		10		ug/L			04/05/13 06:06	10
1,2,3-Trichlorobenzene	ND		10		ug/L			04/05/13 06:06	10
1,2,3-Trichloropropane	ND		10		ug/L			04/05/13 06:06	10
1,2,4-Trichlorobenzene	ND		10		ug/L			04/05/13 06:06	10
1,2,4-Trimethylbenzene	ND		10		ug/L			04/05/13 06:06	10
1,2-Dibromo-3-Chloropropane	ND		50		ug/L			04/05/13 06:06	10
1,2-Dichlorobenzene	ND		10		ug/L			04/05/13 06:06	10
1,2-Dichloroethane	ND		10		ug/L			04/05/13 06:06	10
1,2-Dichloropropane	ND		10		ug/L			04/05/13 06:06	10
1,3,5-Trimethylbenzene	ND		10		ug/L			04/05/13 06:06	10
1,3-Dichlorobenzene	ND		10		ug/L			04/05/13 06:06	10
1,3-Dichloropropane	ND		10		ug/L			04/05/13 06:06	10
1,4-Dichlorobenzene	ND		10		ug/L			04/05/13 06:06	10
1,4-Dioxane	ND		500		ug/L			04/05/13 06:06	10
2,2-Dichloropropane	ND		10		ug/L			04/05/13 06:06	10
2-Butanone (MEK)	ND		100		ug/L			04/05/13 06:06	10
2-Chlorotoluene	ND		10		ug/L			04/05/13 06:06	10
2-Hexanone	ND		100		ug/L			04/05/13 06:06	10
4-Chlorotoluene	ND		10		ug/L			04/05/13 06:06	10
4-Isopropyltoluene	ND		10		ug/L			04/05/13 06:06	10
4-Methyl-2-pentanone (MIBK)	ND		100		ug/L			04/05/13 06:06	10
Acetone	**4800**		500		ug/L			04/05/13 06:06	10
Benzene	ND		10		ug/L			04/05/13 06:06	10
Bromobenzene	ND		10		ug/L			04/05/13 06:06	10
Bromoform	ND		10		ug/L			04/05/13 06:06	10
Bromomethane	ND		20		ug/L			04/05/13 06:06	10
Carbon disulfide	ND		100		ug/L			04/05/13 06:06	10
Carbon tetrachloride	ND		10		ug/L			04/05/13 06:06	10
Chlorobenzene	ND		10		ug/L			04/05/13 06:06	10
Chlorobromomethane	ND		10		ug/L			04/05/13 06:06	10
Chlorodibromomethane	ND		5.0		ug/L			04/05/13 06:06	10
Chloroethane	ND	*	20		ug/L			04/05/13 06:06	10
Chloroform	ND		10		ug/L			04/05/13 06:06	10
Chloromethane	ND		20		ug/L			04/05/13 06:06	10
cis-1,2-Dichloroethene	**290**		10		ug/L			04/05/13 06:06	10
cis-1,3-Dichloropropene	ND		4.0		ug/L			04/05/13 06:06	10
Dichlorobromomethane	ND		5.0		ug/L			04/05/13 06:06	10
Dichlorodifluoromethane	ND		10		ug/L			04/05/13 06:06	10
Ethyl ether	ND		10		ug/L			04/05/13 06:06	10
Ethylbenzene	ND		10		ug/L			04/05/13 06:06	10
Ethylene Dibromide	ND		10		ug/L			04/05/13 06:06	10
Hexachlorobutadiene	ND		4.0		ug/L			04/05/13 06:06	10
Isopropyl ether	ND		100		ug/L			04/05/13 06:06	10

Client Sample ID: REW-5-2013 0328-01 — **Lab Sample ID: 480-35387-25**

Date Collected: 03/28/13 14:00 — **Matrix: Water**

Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		10		ug/L			04/05/13 06:06	10
Methyl tert-butyl ether	ND		10		ug/L			04/05/13 06:06	10
Methylene Chloride	ND		10		ug/L			04/05/13 06:06	10
m-Xylene & p-Xylene	ND		20		ug/L			04/05/13 06:06	10
Naphthalene	ND		50		ug/L			04/05/13 06:06	10
n-Butylbenzene	ND		10		ug/L			04/05/13 06:06	10
N-Propylbenzene	ND		10		ug/L			04/05/13 06:06	10
o-Xylene	ND		10		ug/L			04/05/13 06:06	10
sec-Butylbenzene	ND		10		ug/L			04/05/13 06:06	10
Styrene	ND		10		ug/L			04/05/13 06:06	10
Tert-amyl methyl ether	ND		50		ug/L			04/05/13 06:06	10
Tert-butyl ethyl ether	ND		50		ug/L			04/05/13 06:06	10
tert-Butylbenzene	ND		10		ug/L			04/05/13 06:06	10
Tetrachloroethene	ND		10		ug/L			04/05/13 06:06	10
Tetrahydrofuran	ND		100		ug/L			04/05/13 06:06	10
Toluene	ND		10		ug/L			04/05/13 06:06	10
trans-1,2-Dichloroethene	ND		10		ug/L			04/05/13 06:06	10
trans-1,3-Dichloropropene	ND		4.0		ug/L			04/05/13 06:06	10
Trichloroethene	**93**		10		ug/L			04/05/13 06:06	10
Trichlorofluoromethane	ND		10		ug/L			04/05/13 06:06	10
Vinyl chloride	**44**		10		ug/L			04/05/13 06:06	10
Dibromomethane	ND		10		ug/L			04/05/13 06:06	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*04/05/13 06:06*	*10*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 130*		*04/05/13 06:06*	*10*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*04/05/13 06:06*	*10*

Client Sample ID: REW-6-2013 0329-01 — **Lab Sample ID: 480-35387-26**

Date Collected: 03/29/13 07:35 — **Matrix: Water**

Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		10		ug/L			04/05/13 06:30	10
1,1,1-Trichloroethane	ND		10		ug/L			04/05/13 06:30	10
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			04/05/13 06:30	10
1,1,2-Trichloroethane	ND		10		ug/L			04/05/13 06:30	10
1,1-Dichloroethane	ND		10		ug/L			04/05/13 06:30	10
1,1-Dichloroethene	ND		10		ug/L			04/05/13 06:30	10
1,1-Dichloropropene	ND		10		ug/L			04/05/13 06:30	10
1,2,3-Trichlorobenzene	ND		10		ug/L			04/05/13 06:30	10
1,2,3-Trichloropropane	ND		10		ug/L			04/05/13 06:30	10
1,2,4-Trichlorobenzene	ND		10		ug/L			04/05/13 06:30	10
1,2,4-Trimethylbenzene	ND		10		ug/L			04/05/13 06:30	10
1,2-Dibromo-3-Chloropropane	ND		50		ug/L			04/05/13 06:30	10
1,2-Dichlorobenzene	ND		10		ug/L			04/05/13 06:30	10
1,2-Dichloroethane	ND		10		ug/L			04/05/13 06:30	10
1,2-Dichloropropane	ND		10		ug/L			04/05/13 06:30	10
1,3,5-Trimethylbenzene	ND		10		ug/L			04/05/13 06:30	10

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

Client Sample ID: REW-6-2013 0329-01
Date Collected: 03/29/13 07:35
Date Received: 04/02/13 01:40

Lab Sample ID: 480-35387-26
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		10		ug/L			04/05/13 06:30	10
1,3-Dichloropropane	ND		10		ug/L			04/05/13 06:30	10
1,4-Dichlorobenzene	ND		10		ug/L			04/05/13 06:30	10
1,4-Dioxane	ND		500		ug/L			04/05/13 06:30	10
2,2-Dichloropropane	ND		10		ug/L			04/05/13 06:30	10
2-Butanone (MEK)	ND		100		ug/L			04/05/13 06:30	10
2-Chlorotoluene	ND		10		ug/L			04/05/13 06:30	10
2-Hexanone	ND		100		ug/L			04/05/13 06:30	10
4-Chlorotoluene	ND		10		ug/L			04/05/13 06:30	10
4-Isopropyltoluene	ND		10		ug/L			04/05/13 06:30	10
4-Methyl-2-pentanone (MIBK)	ND		100		ug/L			04/05/13 06:30	10
Acetone	ND		500		ug/L			04/05/13 06:30	10
Benzene	ND		10		ug/L			04/05/13 06:30	10
Bromobenzene	ND		10		ug/L			04/05/13 06:30	10
Bromoform	ND		10		ug/L			04/05/13 06:30	10
Bromomethane	ND		20		ug/L			04/05/13 06:30	10
Carbon disulfide	ND		100		ug/L			04/05/13 06:30	10
Carbon tetrachloride	ND		10		ug/L			04/05/13 06:30	10
Chlorobenzene	ND		10		ug/L			04/05/13 06:30	10
Chlorobromomethane	ND		10		ug/L			04/05/13 06:30	10
Chlorodibromomethane	ND		5.0		ug/L			04/05/13 06:30	10
Chloroethane	ND	*	20		ug/L			04/05/13 06:30	10
Chloroform	ND		10		ug/L			04/05/13 06:30	10
Chloromethane	ND		20		ug/L			04/05/13 06:30	10
cis-1,2-Dichloroethene	**420**		10		ug/L			04/05/13 06:30	10
cis-1,3-Dichloropropene	ND		4.0		ug/L			04/05/13 06:30	10
Dichlorobromomethane	ND		5.0		ug/L			04/05/13 06:30	10
Dichlorodifluoromethane	ND		10		ug/L			04/05/13 06:30	10
Ethyl ether	ND		10		ug/L			04/05/13 06:30	10
Ethylbenzene	ND		10		ug/L			04/05/13 06:30	10
Ethylene Dibromide	ND		10		ug/L			04/05/13 06:30	10
Hexachlorobutadiene	ND		4.0		ug/L			04/05/13 06:30	10
Isopropyl ether	ND		100		ug/L			04/05/13 06:30	10
Isopropylbenzene	ND		10		ug/L			04/05/13 06:30	10
Methyl tert-butyl ether	ND		10		ug/L			04/05/13 06:30	10
Methylene Chloride	ND		10		ug/L			04/05/13 06:30	10
m-Xylene & p-Xylene	ND		20		ug/L			04/05/13 06:30	10
Naphthalene	ND		50		ug/L			04/05/13 06:30	10
n-Butylbenzene	ND		10		ug/L			04/05/13 06:30	10
N-Propylbenzene	ND		10		ug/L			04/05/13 06:30	10
o-Xylene	ND		10		ug/L			04/05/13 06:30	10
sec-Butylbenzene	ND		10		ug/L			04/05/13 06:30	10
Styrene	ND		10		ug/L			04/05/13 06:30	10
Tert-amyl methyl ether	ND		50		ug/L			04/05/13 06:30	10
Tert-butyl ethyl ether	ND		50		ug/L			04/05/13 06:30	10
tert-Butylbenzene	ND		10		ug/L			04/05/13 06:30	10
Tetrachloroethene	**18**		10		ug/L			04/05/13 06:30	10
Tetrahydrofuran	ND		100		ug/L			04/05/13 06:30	10
Toluene	ND		10		ug/L			04/05/13 06:30	10

Client Sample ID: REW-6-2013 0329-01 — **Lab Sample ID: 480-35387-26**
Date Collected: 03/29/13 07:35 — **Matrix: Water**
Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		10		ug/L			04/05/13 06:30	10
trans-1,3-Dichloropropene	ND		4.0		ug/L			04/05/13 06:30	10
Trichloroethene	**510**		10		ug/L			04/05/13 06:30	10
Trichlorofluoromethane	ND		10		ug/L			04/05/13 06:30	10
Vinyl chloride	**17**		10		ug/L			04/05/13 06:30	10
Dibromomethane	ND		10		ug/L			04/05/13 06:30	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*04/05/13 06:30*	*10*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 130*		*04/05/13 06:30*	*10*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*04/05/13 06:30*	*10*

Client Sample ID: REW-7-2013 0401-01 — **Lab Sample ID: 480-35387-27**
Date Collected: 04/01/13 09:55 — **Matrix: Water**
Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		10		ug/L			04/05/13 06:53	10
1,1,1-Trichloroethane	ND		10		ug/L			04/05/13 06:53	10
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			04/05/13 06:53	10
1,1,2-Trichloroethane	ND		10		ug/L			04/05/13 06:53	10
1,1-Dichloroethane	ND		10		ug/L			04/05/13 06:53	10
1,1-Dichloroethene	ND		10		ug/L			04/05/13 06:53	10
1,1-Dichloropropene	ND		10		ug/L			04/05/13 06:53	10
1,2,3-Trichlorobenzene	ND		10		ug/L			04/05/13 06:53	10
1,2,3-Trichloropropane	ND		10		ug/L			04/05/13 06:53	10
1,2,4-Trichlorobenzene	ND		10		ug/L			04/05/13 06:53	10
1,2,4-Trimethylbenzene	ND		10		ug/L			04/05/13 06:53	10
1,2-Dibromo-3-Chloropropane	ND		50		ug/L			04/05/13 06:53	10
1,2-Dichlorobenzene	ND		10		ug/L			04/05/13 06:53	10
1,2-Dichloroethane	ND		10		ug/L			04/05/13 06:53	10
1,2-Dichloropropane	ND		10		ug/L			04/05/13 06:53	10
1,3,5-Trimethylbenzene	ND		10		ug/L			04/05/13 06:53	10
1,3-Dichlorobenzene	ND		10		ug/L			04/05/13 06:53	10
1,3-Dichloropropane	ND		10		ug/L			04/05/13 06:53	10
1,4-Dichlorobenzene	ND		10		ug/L			04/05/13 06:53	10
1,4-Dioxane	ND		500		ug/L			04/05/13 06:53	10
2,2-Dichloropropane	ND		10		ug/L			04/05/13 06:53	10
2-Butanone (MEK)	ND		100		ug/L			04/05/13 06:53	10
2-Chlorotoluene	ND		10		ug/L			04/05/13 06:53	10
2-Hexanone	ND		100		ug/L			04/05/13 06:53	10
4-Chlorotoluene	ND		10		ug/L			04/05/13 06:53	10
4-Isopropyltoluene	ND		10		ug/L			04/05/13 06:53	10
4-Methyl-2-pentanone (MIBK)	ND		100		ug/L			04/05/13 06:53	10
Acetone	ND		500		ug/L			04/05/13 06:53	10
Benzene	ND		10		ug/L			04/05/13 06:53	10
Bromobenzene	ND		10		ug/L			04/05/13 06:53	10
Bromoform	ND		10		ug/L			04/05/13 06:53	10
Bromomethane	ND		20		ug/L			04/05/13 06:53	10

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

Client Sample ID: REW-7-2013 0401-01
Date Collected: 04/01/13 09:55
Date Received: 04/02/13 01:40

Lab Sample ID: 480-35387-27
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		100		ug/L			04/05/13 06:53	10
Carbon tetrachloride	ND		10		ug/L			04/05/13 06:53	10
Chlorobenzene	ND		10		ug/L			04/05/13 06:53	10
Chlorobromomethane	ND		10		ug/L			04/05/13 06:53	10
Chlorodibromomethane	ND		5.0		ug/L			04/05/13 06:53	10
Chloroethane	ND	*	20		ug/L			04/05/13 06:53	10
Chloroform	ND		10		ug/L			04/05/13 06:53	10
Chloromethane	ND		20		ug/L			04/05/13 06:53	10
cis-1,2-Dichloroethene	**920**		10		ug/L			04/05/13 06:53	10
cis-1,3-Dichloropropene	ND		4.0		ug/L			04/05/13 06:53	10
Dichlorobromomethane	ND		5.0		ug/L			04/05/13 06:53	10
Dichlorodifluoromethane	ND		10		ug/L			04/05/13 06:53	10
Ethyl ether	ND		10		ug/L			04/05/13 06:53	10
Ethylbenzene	ND		10		ug/L			04/05/13 06:53	10
Ethylene Dibromide	ND		10		ug/L			04/05/13 06:53	10
Hexachlorobutadiene	ND		4.0		ug/L			04/05/13 06:53	10
Isopropyl ether	ND		100		ug/L			04/05/13 06:53	10
Isopropylbenzene	ND		10		ug/L			04/05/13 06:53	10
Methyl tert-butyl ether	ND		10		ug/L			04/05/13 06:53	10
Methylene Chloride	ND		10		ug/L			04/05/13 06:53	10
m-Xylene & p-Xylene	ND		20		ug/L			04/05/13 06:53	10
Naphthalene	ND		50		ug/L			04/05/13 06:53	10
n-Butylbenzene	ND		10		ug/L			04/05/13 06:53	10
N-Propylbenzene	ND		10		ug/L			04/05/13 06:53	10
o-Xylene	ND		10		ug/L			04/05/13 06:53	10
sec-Butylbenzene	ND		10		ug/L			04/05/13 06:53	10
Styrene	ND		10		ug/L			04/05/13 06:53	10
Tert-amyl methyl ether	ND		50		ug/L			04/05/13 06:53	10
Tert-butyl ethyl ether	ND		50		ug/L			04/05/13 06:53	10
tert-Butylbenzene	ND		10		ug/L			04/05/13 06:53	10
Tetrachloroethene	ND		10		ug/L			04/05/13 06:53	10
Tetrahydrofuran	ND		100		ug/L			04/05/13 06:53	10
Toluene	ND		10		ug/L			04/05/13 06:53	10
trans-1,2-Dichloroethene	ND		10		ug/L			04/05/13 06:53	10
trans-1,3-Dichloropropene	ND		4.0		ug/L			04/05/13 06:53	10
Trichloroethene	**300**		10		ug/L			04/05/13 06:53	10
Trichlorofluoromethane	ND		10		ug/L			04/05/13 06:53	10
Vinyl chloride	**130**		10		ug/L			04/05/13 06:53	10
Dibromomethane	ND		10		ug/L			04/05/13 06:53	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*04/05/13 06:53*	*10*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 130*		*04/05/13 06:53*	*10*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*04/05/13 06:53*	*10*

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

Client Sample ID: REW-8-2013 0328-01
Date Collected: 03/28/13 08:55
Date Received: 04/02/13 01:40

Lab Sample ID: 480-35387-28
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		10		ug/L			04/05/13 07:17	10
1,1,1-Trichloroethane	ND		10		ug/L			04/05/13 07:17	10
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			04/05/13 07:17	10
1,1,2-Trichloroethane	ND		10		ug/L			04/05/13 07:17	10
1,1-Dichloroethane	ND		10		ug/L			04/05/13 07:17	10
1,1-Dichloroethene	ND		10		ug/L			04/05/13 07:17	10
1,1-Dichloropropene	ND		10		ug/L			04/05/13 07:17	10
1,2,3-Trichlorobenzene	ND		10		ug/L			04/05/13 07:17	10
1,2,3-Trichloropropane	ND		10		ug/L			04/05/13 07:17	10
1,2,4-Trichlorobenzene	ND		10		ug/L			04/05/13 07:17	10
1,2,4-Trimethylbenzene	ND		10		ug/L			04/05/13 07:17	10
1,2-Dibromo-3-Chloropropane	ND		50		ug/L			04/05/13 07:17	10
1,2-Dichlorobenzene	ND		10		ug/L			04/05/13 07:17	10
1,2-Dichloroethane	ND		10		ug/L			04/05/13 07:17	10
1,2-Dichloropropane	ND		10		ug/L			04/05/13 07:17	10
1,3,5-Trimethylbenzene	ND		10		ug/L			04/05/13 07:17	10
1,3-Dichlorobenzene	ND		10		ug/L			04/05/13 07:17	10
1,3-Dichloropropane	ND		10		ug/L			04/05/13 07:17	10
1,4-Dichlorobenzene	ND		10		ug/L			04/05/13 07:17	10
1,4-Dioxane	ND		500		ug/L			04/05/13 07:17	10
2,2-Dichloropropane	ND		10		ug/L			04/05/13 07:17	10
2-Butanone (MEK)	ND		100		ug/L			04/05/13 07:17	10
2-Chlorotoluene	ND		10		ug/L			04/05/13 07:17	10
2-Hexanone	ND		100		ug/L			04/05/13 07:17	10
4-Chlorotoluene	ND		10		ug/L			04/05/13 07:17	10
4-Isopropyltoluene	ND		10		ug/L			04/05/13 07:17	10
4-Methyl-2-pentanone (MIBK)	ND		100		ug/L			04/05/13 07:17	10
Acetone	ND		500		ug/L			04/05/13 07:17	10
Benzene	ND		10		ug/L			04/05/13 07:17	10
Bromobenzene	ND		10		ug/L			04/05/13 07:17	10
Bromoform	ND		10		ug/L			04/05/13 07:17	10
Bromomethane	ND		20		ug/L			04/05/13 07:17	10
Carbon disulfide	ND		100		ug/L			04/05/13 07:17	10
Carbon tetrachloride	ND		10		ug/L			04/05/13 07:17	10
Chlorobenzene	ND		10		ug/L			04/05/13 07:17	10
Chlorobromomethane	ND		10		ug/L			04/05/13 07:17	10
Chlorodibromomethane	ND		5.0		ug/L			04/05/13 07:17	10
Chloroethane	ND	*	20		ug/L			04/05/13 07:17	10
Chloroform	ND		10		ug/L			04/05/13 07:17	10
Chloromethane	ND		20		ug/L			04/05/13 07:17	10
cis-1,2-Dichloroethene	**410**		10		ug/L			04/05/13 07:17	10
cis-1,3-Dichloropropene	ND		4.0		ug/L			04/05/13 07:17	10
Dichlorobromomethane	ND		5.0		ug/L			04/05/13 07:17	10
Dichlorodifluoromethane	ND		10		ug/L			04/05/13 07:17	10
Ethyl ether	ND		10		ug/L			04/05/13 07:17	10
Ethylbenzene	ND		10		ug/L			04/05/13 07:17	10
Ethylene Dibromide	ND		10		ug/L			04/05/13 07:17	10
Hexachlorobutadiene	ND		4.0		ug/L			04/05/13 07:17	10
Isopropyl ether	ND		100		ug/L			04/05/13 07:17	10

Client Sample ID: REW-8-2013 0328-01 — **Lab Sample ID: 480-35387-28**

Date Collected: 03/28/13 08:55 — **Matrix: Water**

Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		10		ug/L			04/05/13 07:17	10
Methyl tert-butyl ether	ND		10		ug/L			04/05/13 07:17	10
Methylene Chloride	ND		10		ug/L			04/05/13 07:17	10
m-Xylene & p-Xylene	ND		20		ug/L			04/05/13 07:17	10
Naphthalene	ND		50		ug/L			04/05/13 07:17	10
n-Butylbenzene	ND		10		ug/L			04/05/13 07:17	10
N-Propylbenzene	ND		10		ug/L			04/05/13 07:17	10
o-Xylene	ND		10		ug/L			04/05/13 07:17	10
sec-Butylbenzene	ND		10		ug/L			04/05/13 07:17	10
Styrene	ND		10		ug/L			04/05/13 07:17	10
Tert-amyl methyl ether	ND		50		ug/L			04/05/13 07:17	10
Tert-butyl ethyl ether	ND		50		ug/L			04/05/13 07:17	10
tert-Butylbenzene	ND		10		ug/L			04/05/13 07:17	10
Tetrachloroethene	ND		10		ug/L			04/05/13 07:17	10
Tetrahydrofuran	ND		100		ug/L			04/05/13 07:17	10
Toluene	ND		10		ug/L			04/05/13 07:17	10
trans-1,2-Dichloroethene	ND		10		ug/L			04/05/13 07:17	10
trans-1,3-Dichloropropene	ND		4.0		ug/L			04/05/13 07:17	10
Trichloroethene	**300**		10		ug/L			04/05/13 07:17	10
Trichlorofluoromethane	ND		10		ug/L			04/05/13 07:17	10
Vinyl chloride	**72**		10		ug/L			04/05/13 07:17	10
Dibromomethane	ND		10		ug/L			04/05/13 07:17	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*04/05/13 07:17*	*10*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 130*		*04/05/13 07:17*	*10*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*04/05/13 07:17*	*10*

Client Sample ID: REW-9-2013 0328-01 — **Lab Sample ID: 480-35387-29**

Date Collected: 03/28/13 10:30 — **Matrix: Water**

Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			04/05/13 14:15	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/05/13 14:15	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			04/05/13 14:15	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/05/13 14:15	1
1,1-Dichloroethane	ND		1.0		ug/L			04/05/13 14:15	1
1,1-Dichloroethene	ND		1.0		ug/L			04/05/13 14:15	1
1,1-Dichloropropene	ND		1.0		ug/L			04/05/13 14:15	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			04/05/13 14:15	1
1,2,3-Trichloropropane	ND		1.0		ug/L			04/05/13 14:15	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/05/13 14:15	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			04/05/13 14:15	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			04/05/13 14:15	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/05/13 14:15	1
1,2-Dichloroethane	ND		1.0		ug/L			04/05/13 14:15	1
1,2-Dichloropropane	ND		1.0		ug/L			04/05/13 14:15	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			04/05/13 14:15	1

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

Client Sample ID: REW-9-2013 0328-01
Date Collected: 03/28/13 10:30
Date Received: 04/02/13 01:40

Lab Sample ID: 480-35387-29
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		1.0		ug/L			04/05/13 14:15	1
1,3-Dichloropropane	ND		1.0		ug/L			04/05/13 14:15	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/05/13 14:15	1
1,4-Dioxane	ND		50		ug/L			04/05/13 14:15	1
2,2-Dichloropropane	ND		1.0		ug/L			04/05/13 14:15	1
2-Butanone (MEK)	ND		10		ug/L			04/05/13 14:15	1
2-Chlorotoluene	ND		1.0		ug/L			04/05/13 14:15	1
2-Hexanone	ND		10		ug/L			04/05/13 14:15	1
4-Chlorotoluene	ND		1.0		ug/L			04/05/13 14:15	1
4-Isopropyltoluene	ND		1.0		ug/L			04/05/13 14:15	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			04/05/13 14:15	1
Acetone	ND		50		ug/L			04/05/13 14:15	1
Benzene	ND		1.0		ug/L			04/05/13 14:15	1
Bromobenzene	ND		1.0		ug/L			04/05/13 14:15	1
Bromoform	ND		1.0		ug/L			04/05/13 14:15	1
Bromomethane	ND		2.0		ug/L			04/05/13 14:15	1
Carbon disulfide	ND		10		ug/L			04/05/13 14:15	1
Carbon tetrachloride	ND		1.0		ug/L			04/05/13 14:15	1
Chlorobenzene	ND		1.0		ug/L			04/05/13 14:15	1
Chlorobromomethane	ND		1.0		ug/L			04/05/13 14:15	1
Chlorodibromomethane	ND		0.50		ug/L			04/05/13 14:15	1
Chloroethane	ND		2.0		ug/L			04/05/13 14:15	1
Chloroform	ND		1.0		ug/L			04/05/13 14:15	1
Chloromethane	ND		2.0		ug/L			04/05/13 14:15	1
cis-1,2-Dichloroethene	**34**		1.0		ug/L			04/05/13 14:15	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			04/05/13 14:15	1
Dichlorobromomethane	ND		0.50		ug/L			04/05/13 14:15	1
Dichlorodifluoromethane	ND		1.0		ug/L			04/05/13 14:15	1
Ethyl ether	ND		1.0		ug/L			04/05/13 14:15	1
Ethylbenzene	ND		1.0		ug/L			04/05/13 14:15	1
Ethylene Dibromide	ND		1.0		ug/L			04/05/13 14:15	1
Hexachlorobutadiene	ND		0.40		ug/L			04/05/13 14:15	1
Isopropyl ether	ND		10		ug/L			04/05/13 14:15	1
Isopropylbenzene	ND		1.0		ug/L			04/05/13 14:15	1
Methyl tert-butyl ether	ND		1.0		ug/L			04/05/13 14:15	1
Methylene Chloride	ND		1.0		ug/L			04/05/13 14:15	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/05/13 14:15	1
Naphthalene	ND		5.0		ug/L			04/05/13 14:15	1
n-Butylbenzene	ND		1.0		ug/L			04/05/13 14:15	1
N-Propylbenzene	ND		1.0		ug/L			04/05/13 14:15	1
o-Xylene	ND		1.0		ug/L			04/05/13 14:15	1
sec-Butylbenzene	ND		1.0		ug/L			04/05/13 14:15	1
Styrene	ND		1.0		ug/L			04/05/13 14:15	1
Tert-amyl methyl ether	ND		5.0		ug/L			04/05/13 14:15	1
Tert-butyl ethyl ether	ND		5.0		ug/L			04/05/13 14:15	1
tert-Butylbenzene	ND		1.0		ug/L			04/05/13 14:15	1
Tetrachloroethene	ND		1.0		ug/L			04/05/13 14:15	1
Tetrahydrofuran	ND		10		ug/L			04/05/13 14:15	1
Toluene	ND		1.0		ug/L			04/05/13 14:15	1

Client Sample ID: REW-9-2013 0328-01 — **Lab Sample ID: 480-35387-29**
Date Collected: 03/28/13 10:30 — **Matrix: Water**
Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/05/13 14:15	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			04/05/13 14:15	1
Trichloroethene	**7.9**		1.0		ug/L			04/05/13 14:15	1
Trichlorofluoromethane	ND		1.0		ug/L			04/05/13 14:15	1
Vinyl chloride	**4.2**		1.0		ug/L			04/05/13 14:15	1
Dibromomethane	ND		1.0		ug/L			04/05/13 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*04/05/13 14:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*84*		*70 - 130*		*04/05/13 14:15*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*04/05/13 14:15*	*1*

Client Sample ID: REW-10-2013 0328-01 — **Lab Sample ID: 480-35387-30**
Date Collected: 03/28/13 09:45 — **Matrix: Water**
Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			04/05/13 14:39	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/05/13 14:39	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			04/05/13 14:39	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/05/13 14:39	1
1,1-Dichloroethane	ND		1.0		ug/L			04/05/13 14:39	1
1,1-Dichloroethene	ND		1.0		ug/L			04/05/13 14:39	1
1,1-Dichloropropene	ND		1.0		ug/L			04/05/13 14:39	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			04/05/13 14:39	1
1,2,3-Trichloropropane	ND		1.0		ug/L			04/05/13 14:39	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/05/13 14:39	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			04/05/13 14:39	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			04/05/13 14:39	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/05/13 14:39	1
1,2-Dichloroethane	ND		1.0		ug/L			04/05/13 14:39	1
1,2-Dichloropropane	ND		1.0		ug/L			04/05/13 14:39	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			04/05/13 14:39	1
1,3-Dichlorobenzene	ND		1.0		ug/L			04/05/13 14:39	1
1,3-Dichloropropane	ND		1.0		ug/L			04/05/13 14:39	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/05/13 14:39	1
1,4-Dioxane	ND		50		ug/L			04/05/13 14:39	1
2,2-Dichloropropane	ND		1.0		ug/L			04/05/13 14:39	1
2-Butanone (MEK)	ND		10		ug/L			04/05/13 14:39	1
2-Chlorotoluene	ND		1.0		ug/L			04/05/13 14:39	1
2-Hexanone	ND		10		ug/L			04/05/13 14:39	1
4-Chlorotoluene	ND		1.0		ug/L			04/05/13 14:39	1
4-Isopropyltoluene	ND		1.0		ug/L			04/05/13 14:39	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			04/05/13 14:39	1
Acetone	ND		50		ug/L			04/05/13 14:39	1
Benzene	ND		1.0		ug/L			04/05/13 14:39	1
Bromobenzene	ND		1.0		ug/L			04/05/13 14:39	1
Bromoform	ND		1.0		ug/L			04/05/13 14:39	1
Bromomethane	ND		2.0		ug/L			04/05/13 14:39	1

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

Client Sample ID: REW-10-2013 0328-01
Date Collected: 03/28/13 09:45
Date Received: 04/02/13 01:40

Lab Sample ID: 480-35387-30
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		10		ug/L			04/05/13 14:39	1
Carbon tetrachloride	ND		1.0		ug/L			04/05/13 14:39	1
Chlorobenzene	ND		1.0		ug/L			04/05/13 14:39	1
Chlorobromomethane	ND		1.0		ug/L			04/05/13 14:39	1
Chlorodibromomethane	ND		0.50		ug/L			04/05/13 14:39	1
Chloroethane	ND		2.0		ug/L			04/05/13 14:39	1
Chloroform	ND		1.0		ug/L			04/05/13 14:39	1
Chloromethane	ND		2.0		ug/L			04/05/13 14:39	1
cis-1,2-Dichloroethene	**10**		1.0		ug/L			04/05/13 14:39	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			04/05/13 14:39	1
Dichlorobromomethane	ND		0.50		ug/L			04/05/13 14:39	1
Dichlorodifluoromethane	ND		1.0		ug/L			04/05/13 14:39	1
Ethyl ether	ND		1.0		ug/L			04/05/13 14:39	1
Ethylbenzene	ND		1.0		ug/L			04/05/13 14:39	1
Ethylene Dibromide	ND		1.0		ug/L			04/05/13 14:39	1
Hexachlorobutadiene	ND		0.40		ug/L			04/05/13 14:39	1
Isopropyl ether	ND		10		ug/L			04/05/13 14:39	1
Isopropylbenzene	ND		1.0		ug/L			04/05/13 14:39	1
Methyl tert-butyl ether	ND		1.0		ug/L			04/05/13 14:39	1
Methylene Chloride	ND		1.0		ug/L			04/05/13 14:39	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/05/13 14:39	1
Naphthalene	ND		5.0		ug/L			04/05/13 14:39	1
n-Butylbenzene	ND		1.0		ug/L			04/05/13 14:39	1
N-Propylbenzene	ND		1.0		ug/L			04/05/13 14:39	1
o-Xylene	ND		1.0		ug/L			04/05/13 14:39	1
sec-Butylbenzene	ND		1.0		ug/L			04/05/13 14:39	1
Styrene	ND		1.0		ug/L			04/05/13 14:39	1
Tert-amyl methyl ether	ND		5.0		ug/L			04/05/13 14:39	1
Tert-butyl ethyl ether	ND		5.0		ug/L			04/05/13 14:39	1
tert-Butylbenzene	ND		1.0		ug/L			04/05/13 14:39	1
Tetrachloroethene	ND		1.0		ug/L			04/05/13 14:39	1
Tetrahydrofuran	ND		10		ug/L			04/05/13 14:39	1
Toluene	ND		1.0		ug/L			04/05/13 14:39	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/05/13 14:39	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			04/05/13 14:39	1
Trichloroethene	**3.5**		1.0		ug/L			04/05/13 14:39	1
Trichlorofluoromethane	ND		1.0		ug/L			04/05/13 14:39	1
Vinyl chloride	ND		1.0		ug/L			04/05/13 14:39	1
Dibromomethane	ND		1.0		ug/L			04/05/13 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*04/05/13 14:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 130*		*04/05/13 14:39*	*1*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*04/05/13 14:39*	*1*

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

Client Sample ID: REW-11-2013 0329-01
Date Collected: 03/29/13 08:05
Date Received: 04/02/13 01:40

Lab Sample ID: 480-35387-31
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			04/05/13 15:03	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/05/13 15:03	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			04/05/13 15:03	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/05/13 15:03	1
1,1-Dichloroethane	**4.8**		1.0		ug/L			04/05/13 15:03	1
1,1-Dichloroethene	**2.1**		1.0		ug/L			04/05/13 15:03	1
1,1-Dichloropropene	ND		1.0		ug/L			04/05/13 15:03	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			04/05/13 15:03	1
1,2,3-Trichloropropane	ND		1.0		ug/L			04/05/13 15:03	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/05/13 15:03	1
1,2,4-Trimethylbenzene	**1.1**		1.0		ug/L			04/05/13 15:03	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			04/05/13 15:03	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/05/13 15:03	1
1,2-Dichloroethane	ND		1.0		ug/L			04/05/13 15:03	1
1,2-Dichloropropane	ND		1.0		ug/L			04/05/13 15:03	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			04/05/13 15:03	1
1,3-Dichlorobenzene	ND		1.0		ug/L			04/05/13 15:03	1
1,3-Dichloropropane	ND		1.0		ug/L			04/05/13 15:03	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/05/13 15:03	1
1,4-Dioxane	ND		50		ug/L			04/05/13 15:03	1
2,2-Dichloropropane	ND		1.0		ug/L			04/05/13 15:03	1
2-Butanone (MEK)	ND		10		ug/L			04/05/13 15:03	1
2-Chlorotoluene	ND		1.0		ug/L			04/05/13 15:03	1
2-Hexanone	ND		10		ug/L			04/05/13 15:03	1
4-Chlorotoluene	ND		1.0		ug/L			04/05/13 15:03	1
4-Isopropyltoluene	ND		1.0		ug/L			04/05/13 15:03	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			04/05/13 15:03	1
Acetone	ND		50		ug/L			04/05/13 15:03	1
Benzene	**1.4**		1.0		ug/L			04/05/13 15:03	1
Bromobenzene	ND		1.0		ug/L			04/05/13 15:03	1
Bromoform	ND		1.0		ug/L			04/05/13 15:03	1
Bromomethane	ND		2.0		ug/L			04/05/13 15:03	1
Carbon disulfide	ND		10		ug/L			04/05/13 15:03	1
Carbon tetrachloride	ND		1.0		ug/L			04/05/13 15:03	1
Chlorobenzene	ND		1.0		ug/L			04/05/13 15:03	1
Chlorobromomethane	ND		1.0		ug/L			04/05/13 15:03	1
Chlorodibromomethane	ND		0.50		ug/L			04/05/13 15:03	1
Chloroethane	ND		2.0		ug/L			04/05/13 15:03	1
Chloroform	ND		1.0		ug/L			04/05/13 15:03	1
Chloromethane	ND		2.0		ug/L			04/05/13 15:03	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			04/05/13 15:03	1
Dichlorobromomethane	ND		0.50		ug/L			04/05/13 15:03	1
Dichlorodifluoromethane	ND		1.0		ug/L			04/05/13 15:03	1
Ethyl ether	ND		1.0		ug/L			04/05/13 15:03	1
Ethylbenzene	ND		1.0		ug/L			04/05/13 15:03	1
Ethylene Dibromide	ND		1.0		ug/L			04/05/13 15:03	1
Hexachlorobutadiene	ND		0.40		ug/L			04/05/13 15:03	1
Isopropyl ether	ND		10		ug/L			04/05/13 15:03	1
Isopropylbenzene	ND		1.0		ug/L			04/05/13 15:03	1

Client Sample ID: REW-11-2013 0329-01

Lab Sample ID: 480-35387-31

Date Collected: 03/29/13 08:05

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			04/05/13 15:03	1
Methylene Chloride	ND		1.0		ug/L			04/05/13 15:03	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/05/13 15:03	1
Naphthalene	ND		5.0		ug/L			04/05/13 15:03	1
n-Butylbenzene	ND		1.0		ug/L			04/05/13 15:03	1
N-Propylbenzene	ND		1.0		ug/L			04/05/13 15:03	1
o-Xylene	**1.7**		1.0		ug/L			04/05/13 15:03	1
sec-Butylbenzene	ND		1.0		ug/L			04/05/13 15:03	1
Styrene	ND		1.0		ug/L			04/05/13 15:03	1
Tert-amyl methyl ether	ND		5.0		ug/L			04/05/13 15:03	1
Tert-butyl ethyl ether	ND		5.0		ug/L			04/05/13 15:03	1
tert-Butylbenzene	ND		1.0		ug/L			04/05/13 15:03	1
Tetrachloroethene	**22**		1.0		ug/L			04/05/13 15:03	1
Tetrahydrofuran	ND		10		ug/L			04/05/13 15:03	1
Toluene	ND		1.0		ug/L			04/05/13 15:03	1
trans-1,2-Dichloroethene	**2.7**		1.0		ug/L			04/05/13 15:03	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			04/05/13 15:03	1
Trichlorofluoromethane	ND		1.0		ug/L			04/05/13 15:03	1
Vinyl chloride	**45**		1.0		ug/L			04/05/13 15:03	1
Dibromomethane	ND		1.0		ug/L			04/05/13 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*04/05/13 15:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*70 - 130*		*04/05/13 15:03*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*04/05/13 15:03*	*1*

Method: 8260C - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**1400**		25		ug/L			04/06/13 00:14	25
Trichloroethene	**410**		25		ug/L			04/06/13 00:14	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*04/06/13 00:14*	*25*
1,2-Dichloroethane-d4 (Surr)	*83*		*70 - 130*		*04/06/13 00:14*	*25*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*04/06/13 00:14*	*25*

Client Sample ID: REW-12-2013 0328-01

Lab Sample ID: 480-35387-32

Date Collected: 03/28/13 11:50

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			04/05/13 15:26	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/05/13 15:26	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			04/05/13 15:26	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/05/13 15:26	1
1,1-Dichloroethane	**1.3**		1.0		ug/L			04/05/13 15:26	1
1,1-Dichloroethene	ND		1.0		ug/L			04/05/13 15:26	1
1,1-Dichloropropene	ND		1.0		ug/L			04/05/13 15:26	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			04/05/13 15:26	1

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

Client Sample ID: REW-12-2013 0328-01
Date Collected: 03/28/13 11:50
Date Received: 04/02/13 01:40

Lab Sample ID: 480-35387-32
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	ND		1.0		ug/L			04/05/13 15:26	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/05/13 15:26	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			04/05/13 15:26	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			04/05/13 15:26	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/05/13 15:26	1
1,2-Dichloroethane	ND		1.0		ug/L			04/05/13 15:26	1
1,2-Dichloropropane	ND		1.0		ug/L			04/05/13 15:26	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			04/05/13 15:26	1
1,3-Dichlorobenzene	ND		1.0		ug/L			04/05/13 15:26	1
1,3-Dichloropropane	ND		1.0		ug/L			04/05/13 15:26	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/05/13 15:26	1
1,4-Dioxane	ND		50		ug/L			04/05/13 15:26	1
2,2-Dichloropropane	ND		1.0		ug/L			04/05/13 15:26	1
2-Butanone (MEK)	ND		10		ug/L			04/05/13 15:26	1
2-Chlorotoluene	ND		1.0		ug/L			04/05/13 15:26	1
2-Hexanone	ND		10		ug/L			04/05/13 15:26	1
4-Chlorotoluene	ND		1.0		ug/L			04/05/13 15:26	1
4-Isopropyltoluene	ND		1.0		ug/L			04/05/13 15:26	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			04/05/13 15:26	1
Acetone	ND		50		ug/L			04/05/13 15:26	1
Benzene	ND		1.0		ug/L			04/05/13 15:26	1
Bromobenzene	ND		1.0		ug/L			04/05/13 15:26	1
Bromoform	ND		1.0		ug/L			04/05/13 15:26	1
Bromomethane	ND		2.0		ug/L			04/05/13 15:26	1
Carbon disulfide	ND		10		ug/L			04/05/13 15:26	1
Carbon tetrachloride	ND		1.0		ug/L			04/05/13 15:26	1
Chlorobenzene	ND		1.0		ug/L			04/05/13 15:26	1
Chlorobromomethane	ND		1.0		ug/L			04/05/13 15:26	1
Chlorodibromomethane	ND		0.50		ug/L			04/05/13 15:26	1
Chloroethane	ND		2.0		ug/L			04/05/13 15:26	1
Chloroform	ND		1.0		ug/L			04/05/13 15:26	1
Chloromethane	ND		2.0		ug/L			04/05/13 15:26	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			04/05/13 15:26	1
Dichlorobromomethane	ND		0.50		ug/L			04/05/13 15:26	1
Dichlorodifluoromethane	ND		1.0		ug/L			04/05/13 15:26	1
Ethyl ether	ND		1.0		ug/L			04/05/13 15:26	1
Ethylbenzene	ND		1.0		ug/L			04/05/13 15:26	1
Ethylene Dibromide	ND		1.0		ug/L			04/05/13 15:26	1
Hexachlorobutadiene	ND		0.40		ug/L			04/05/13 15:26	1
Isopropyl ether	ND		10		ug/L			04/05/13 15:26	1
Isopropylbenzene	ND		1.0		ug/L			04/05/13 15:26	1
Methyl tert-butyl ether	ND		1.0		ug/L			04/05/13 15:26	1
Methylene Chloride	ND		1.0		ug/L			04/05/13 15:26	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/05/13 15:26	1
Naphthalene	ND		5.0		ug/L			04/05/13 15:26	1
n-Butylbenzene	ND		1.0		ug/L			04/05/13 15:26	1
N-Propylbenzene	ND		1.0		ug/L			04/05/13 15:26	1
o-Xylene	ND		1.0		ug/L			04/05/13 15:26	1
sec-Butylbenzene	ND		1.0		ug/L			04/05/13 15:26	1

Client Sample ID: REW-12-2013 0328-01

Lab Sample ID: 480-35387-32

Date Collected: 03/28/13 11:50

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0		ug/L			04/05/13 15:26	1
Tert-amyl methyl ether	ND		5.0		ug/L			04/05/13 15:26	1
Tert-butyl ethyl ether	ND		5.0		ug/L			04/05/13 15:26	1
tert-Butylbenzene	ND		1.0		ug/L			04/05/13 15:26	1
Tetrachloroethene	**10**		1.0		ug/L			04/05/13 15:26	1
Tetrahydrofuran	ND		10		ug/L			04/05/13 15:26	1
Toluene	ND		1.0		ug/L			04/05/13 15:26	1
trans-1,2-Dichloroethene	**1.0**		1.0		ug/L			04/05/13 15:26	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			04/05/13 15:26	1
Trichlorofluoromethane	ND		1.0		ug/L			04/05/13 15:26	1
Vinyl chloride	**23**		1.0		ug/L			04/05/13 15:26	1
Dibromomethane	ND		1.0		ug/L			04/05/13 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*04/05/13 15:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 130*		*04/05/13 15:26*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*04/05/13 15:26*	*1*

Method: 8260C - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**280**		4.0		ug/L			04/06/13 00:38	4
Trichloroethene	**180**		4.0		ug/L			04/06/13 00:38	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*04/06/13 00:38*	*4*
1,2-Dichloroethane-d4 (Surr)	*86*		*70 - 130*		*04/06/13 00:38*	*4*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*04/06/13 00:38*	*4*

Client Sample ID: DUPX1-2013 0328-01

Lab Sample ID: 480-35387-33

Date Collected: 03/28/13 00:00

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0		ug/L			04/06/13 01:02	5
1,1,1-Trichloroethane	ND		5.0		ug/L			04/06/13 01:02	5
1,1,2,2-Tetrachloroethane	ND		2.5		ug/L			04/06/13 01:02	5
1,1,2-Trichloroethane	ND		5.0		ug/L			04/06/13 01:02	5
1,1-Dichloroethane	ND		5.0		ug/L			04/06/13 01:02	5
1,1-Dichloroethene	ND		5.0		ug/L			04/06/13 01:02	5
1,1-Dichloropropene	ND		5.0		ug/L			04/06/13 01:02	5
1,2,3-Trichlorobenzene	ND		5.0		ug/L			04/06/13 01:02	5
1,2,3-Trichloropropane	ND		5.0		ug/L			04/06/13 01:02	5
1,2,4-Trichlorobenzene	ND		5.0		ug/L			04/06/13 01:02	5
1,2,4-Trimethylbenzene	ND		5.0		ug/L			04/06/13 01:02	5
1,2-Dibromo-3-Chloropropane	ND		25		ug/L			04/06/13 01:02	5
1,2-Dichlorobenzene	ND		5.0		ug/L			04/06/13 01:02	5
1,2-Dichloroethane	ND		5.0		ug/L			04/06/13 01:02	5
1,2-Dichloropropane	ND		5.0		ug/L			04/06/13 01:02	5
1,3,5-Trimethylbenzene	ND		5.0		ug/L			04/06/13 01:02	5

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

Client Sample ID: DUPX1-2013 0328-01
Date Collected: 03/28/13 00:00
Date Received: 04/02/13 01:40

Lab Sample ID: 480-35387-33
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		5.0		ug/L			04/06/13 01:02	5
1,3-Dichloropropane	ND		5.0		ug/L			04/06/13 01:02	5
1,4-Dichlorobenzene	ND		5.0		ug/L			04/06/13 01:02	5
1,4-Dioxane	ND		250		ug/L			04/06/13 01:02	5
2,2-Dichloropropane	ND		5.0		ug/L			04/06/13 01:02	5
2-Butanone (MEK)	ND		50		ug/L			04/06/13 01:02	5
2-Chlorotoluene	ND		5.0		ug/L			04/06/13 01:02	5
2-Hexanone	ND		50		ug/L			04/06/13 01:02	5
4-Chlorotoluene	ND		5.0		ug/L			04/06/13 01:02	5
4-Isopropyltoluene	ND		5.0		ug/L			04/06/13 01:02	5
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			04/06/13 01:02	5
Acetone	ND	*	250		ug/L			04/06/13 01:02	5
Benzene	ND		5.0		ug/L			04/06/13 01:02	5
Bromobenzene	ND		5.0		ug/L			04/06/13 01:02	5
Bromoform	ND		5.0		ug/L			04/06/13 01:02	5
Bromomethane	ND		10		ug/L			04/06/13 01:02	5
Carbon disulfide	ND		50		ug/L			04/06/13 01:02	5
Carbon tetrachloride	ND		5.0		ug/L			04/06/13 01:02	5
Chlorobenzene	ND		5.0		ug/L			04/06/13 01:02	5
Chlorobromomethane	ND		5.0		ug/L			04/06/13 01:02	5
Chlorodibromomethane	ND		2.5		ug/L			04/06/13 01:02	5
Chloroethane	ND		10		ug/L			04/06/13 01:02	5
Chloroform	ND		5.0		ug/L			04/06/13 01:02	5
Chloromethane	ND		10		ug/L			04/06/13 01:02	5
cis-1,2-Dichloroethene	**390**		5.0		ug/L			04/06/13 01:02	5
cis-1,3-Dichloropropene	ND		2.0		ug/L			04/06/13 01:02	5
Dichlorobromomethane	ND		2.5		ug/L			04/06/13 01:02	5
Dichlorodifluoromethane	ND	*	5.0		ug/L			04/06/13 01:02	5
Ethyl ether	ND		5.0		ug/L			04/06/13 01:02	5
Ethylbenzene	ND		5.0		ug/L			04/06/13 01:02	5
Ethylene Dibromide	ND		5.0		ug/L			04/06/13 01:02	5
Hexachlorobutadiene	ND		2.0		ug/L			04/06/13 01:02	5
Isopropyl ether	ND		50		ug/L			04/06/13 01:02	5
Isopropylbenzene	ND		5.0		ug/L			04/06/13 01:02	5
Methyl tert-butyl ether	ND		5.0		ug/L			04/06/13 01:02	5
Methylene Chloride	ND		5.0		ug/L			04/06/13 01:02	5
m-Xylene & p-Xylene	ND		10		ug/L			04/06/13 01:02	5
Naphthalene	ND		25		ug/L			04/06/13 01:02	5
n-Butylbenzene	ND		5.0		ug/L			04/06/13 01:02	5
N-Propylbenzene	ND		5.0		ug/L			04/06/13 01:02	5
o-Xylene	ND		5.0		ug/L			04/06/13 01:02	5
sec-Butylbenzene	ND		5.0		ug/L			04/06/13 01:02	5
Styrene	ND		5.0		ug/L			04/06/13 01:02	5
Tert-amyl methyl ether	ND		25		ug/L			04/06/13 01:02	5
Tert-butyl ethyl ether	ND		25		ug/L			04/06/13 01:02	5
tert-Butylbenzene	ND		5.0		ug/L			04/06/13 01:02	5
Tetrachloroethene	ND		5.0		ug/L			04/06/13 01:02	5
Tetrahydrofuran	ND		50		ug/L			04/06/13 01:02	5
Toluene	ND		5.0		ug/L			04/06/13 01:02	5

Client Sample ID: DUPX1-2013 0328-01

Lab Sample ID: 480-35387-33

Date Collected: 03/28/13 00:00

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	**7.9**		5.0		ug/L			04/06/13 01:02	5
trans-1,3-Dichloropropene	ND		2.0		ug/L			04/06/13 01:02	5
Trichloroethene	**280**		5.0		ug/L			04/06/13 01:02	5
Trichlorofluoromethane	ND		5.0		ug/L			04/06/13 01:02	5
Vinyl chloride	**70**		5.0		ug/L			04/06/13 01:02	5
Dibromomethane	ND		5.0		ug/L			04/06/13 01:02	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*04/06/13 01:02*	*5*
1,2-Dichloroethane-d4 (Surr)	*84*		*70 - 130*		*04/06/13 01:02*	*5*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*04/06/13 01:02*	*5*

Client Sample ID: DUPX2-2013 0329-01

Lab Sample ID: 480-35387-34

Date Collected: 03/29/13 00:00

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**6.0**		1.6		ug/L			04/03/13 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*107*		*50 - 150*		*04/03/13 19:09*	*1*
TBA-d9 (Surr)	*112*		*50 - 150*		*04/03/13 19:09*	*1*

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			04/06/13 01:26	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/06/13 01:26	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			04/06/13 01:26	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/06/13 01:26	1
1,1-Dichloroethane	ND		1.0		ug/L			04/06/13 01:26	1
1,1-Dichloroethene	ND		1.0		ug/L			04/06/13 01:26	1
1,1-Dichloropropene	ND		1.0		ug/L			04/06/13 01:26	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			04/06/13 01:26	1
1,2,3-Trichloropropane	ND		1.0		ug/L			04/06/13 01:26	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/06/13 01:26	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			04/06/13 01:26	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			04/06/13 01:26	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/06/13 01:26	1
1,2-Dichloroethane	ND		1.0		ug/L			04/06/13 01:26	1
1,2-Dichloropropane	ND		1.0		ug/L			04/06/13 01:26	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			04/06/13 01:26	1
1,3-Dichlorobenzene	ND		1.0		ug/L			04/06/13 01:26	1
1,3-Dichloropropane	ND		1.0		ug/L			04/06/13 01:26	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/06/13 01:26	1
1,4-Dioxane	ND		50		ug/L			04/06/13 01:26	1
2,2-Dichloropropane	ND		1.0		ug/L			04/06/13 01:26	1
2-Butanone (MEK)	ND		10		ug/L			04/06/13 01:26	1
2-Chlorotoluene	ND		1.0		ug/L			04/06/13 01:26	1
2-Hexanone	ND		10		ug/L			04/06/13 01:26	1

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

Client Sample ID: DUPX2-2013 0329-01
Date Collected: 03/29/13 00:00
Date Received: 04/02/13 01:40

Lab Sample ID: 480-35387-34
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	ND		1.0		ug/L			04/06/13 01:26	1
4-Isopropyltoluene	ND		1.0		ug/L			04/06/13 01:26	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			04/06/13 01:26	1
Acetone	ND	*	50		ug/L			04/06/13 01:26	1
Benzene	ND		1.0		ug/L			04/06/13 01:26	1
Bromobenzene	ND		1.0		ug/L			04/06/13 01:26	1
Bromoform	ND		1.0		ug/L			04/06/13 01:26	1
Bromomethane	ND		2.0		ug/L			04/06/13 01:26	1
Carbon disulfide	ND		10		ug/L			04/06/13 01:26	1
Carbon tetrachloride	ND		1.0		ug/L			04/06/13 01:26	1
Chlorobenzene	ND		1.0		ug/L			04/06/13 01:26	1
Chlorobromomethane	ND		1.0		ug/L			04/06/13 01:26	1
Chlorodibromomethane	ND		0.50		ug/L			04/06/13 01:26	1
Chloroethane	ND		2.0		ug/L			04/06/13 01:26	1
Chloroform	ND		1.0		ug/L			04/06/13 01:26	1
Chloromethane	ND		2.0		ug/L			04/06/13 01:26	1
cis-1,2-Dichloroethene	**9.2**		1.0		ug/L			04/06/13 01:26	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			04/06/13 01:26	1
Dichlorobromomethane	ND		0.50		ug/L			04/06/13 01:26	1
Dichlorodifluoromethane	ND	*	1.0		ug/L			04/06/13 01:26	1
Ethyl ether	ND		1.0		ug/L			04/06/13 01:26	1
Ethylbenzene	ND		1.0		ug/L			04/06/13 01:26	1
Ethylene Dibromide	ND		1.0		ug/L			04/06/13 01:26	1
Hexachlorobutadiene	ND		0.40		ug/L			04/06/13 01:26	1
Isopropyl ether	ND		10		ug/L			04/06/13 01:26	1
Isopropylbenzene	ND		1.0		ug/L			04/06/13 01:26	1
Methyl tert-butyl ether	ND		1.0		ug/L			04/06/13 01:26	1
Methylene Chloride	ND		1.0		ug/L			04/06/13 01:26	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/06/13 01:26	1
Naphthalene	ND		5.0		ug/L			04/06/13 01:26	1
n-Butylbenzene	ND		1.0		ug/L			04/06/13 01:26	1
N-Propylbenzene	ND		1.0		ug/L			04/06/13 01:26	1
o-Xylene	ND		1.0		ug/L			04/06/13 01:26	1
sec-Butylbenzene	ND		1.0		ug/L			04/06/13 01:26	1
Styrene	ND		1.0		ug/L			04/06/13 01:26	1
Tert-amyl methyl ether	ND		5.0		ug/L			04/06/13 01:26	1
Tert-butyl ethyl ether	ND		5.0		ug/L			04/06/13 01:26	1
tert-Butylbenzene	ND		1.0		ug/L			04/06/13 01:26	1
Tetrachloroethene	ND		1.0		ug/L			04/06/13 01:26	1
Tetrahydrofuran	ND		10		ug/L			04/06/13 01:26	1
Toluene	ND		1.0		ug/L			04/06/13 01:26	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/06/13 01:26	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			04/06/13 01:26	1
Trichloroethene	**27**		1.0		ug/L			04/06/13 01:26	1
Trichlorofluoromethane	ND		1.0		ug/L			04/06/13 01:26	1
Vinyl chloride	ND		1.0		ug/L			04/06/13 01:26	1
Dibromomethane	ND		1.0		ug/L			04/06/13 01:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*04/06/13 01:26*	*1*

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

Client Sample ID: DUPX2-2013 0329-01

Lab Sample ID: 480-35387-34

Date Collected: 03/29/13 00:00

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		70 - 130		04/06/13 01:26	1
4-Bromofluorobenzene (Surr)	104		70 - 130		04/06/13 01:26	1

Client Sample ID: DUPX3-2013 0401-01

Lab Sample ID: 480-35387-35

Date Collected: 04/01/13 00:00

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			04/06/13 01:50	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/06/13 01:50	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			04/06/13 01:50	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/06/13 01:50	1
1,1-Dichloroethane	ND		1.0		ug/L			04/06/13 01:50	1
1,1-Dichloroethene	ND		1.0		ug/L			04/06/13 01:50	1
1,1-Dichloropropene	ND		1.0		ug/L			04/06/13 01:50	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			04/06/13 01:50	1
1,2,3-Trichloropropane	ND		1.0		ug/L			04/06/13 01:50	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/06/13 01:50	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			04/06/13 01:50	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			04/06/13 01:50	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/06/13 01:50	1
1,2-Dichloroethane	ND		1.0		ug/L			04/06/13 01:50	1
1,2-Dichloropropane	ND		1.0		ug/L			04/06/13 01:50	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			04/06/13 01:50	1
1,3-Dichlorobenzene	ND		1.0		ug/L			04/06/13 01:50	1
1,3-Dichloropropane	ND		1.0		ug/L			04/06/13 01:50	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/06/13 01:50	1
1,4-Dioxane	ND		50		ug/L			04/06/13 01:50	1
2,2-Dichloropropane	ND		1.0		ug/L			04/06/13 01:50	1
2-Butanone (MEK)	ND		10		ug/L			04/06/13 01:50	1
2-Chlorotoluene	ND		1.0		ug/L			04/06/13 01:50	1
2-Hexanone	ND		10		ug/L			04/06/13 01:50	1
4-Chlorotoluene	ND		1.0		ug/L			04/06/13 01:50	1
4-Isopropyltoluene	ND		1.0		ug/L			04/06/13 01:50	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			04/06/13 01:50	1
Acetone	ND	*	50		ug/L			04/06/13 01:50	1
Benzene	ND		1.0		ug/L			04/06/13 01:50	1
Bromobenzene	ND		1.0		ug/L			04/06/13 01:50	1
Bromoform	ND		1.0		ug/L			04/06/13 01:50	1
Bromomethane	ND		2.0		ug/L			04/06/13 01:50	1
Carbon disulfide	ND		10		ug/L			04/06/13 01:50	1
Carbon tetrachloride	ND		1.0		ug/L			04/06/13 01:50	1
Chlorobenzene	ND		1.0		ug/L			04/06/13 01:50	1
Chlorobromomethane	ND		1.0		ug/L			04/06/13 01:50	1
Chlorodibromomethane	ND		0.50		ug/L			04/06/13 01:50	1
Chloroethane	ND		2.0		ug/L			04/06/13 01:50	1
Chloroform	ND		1.0		ug/L			04/06/13 01:50	1
Chloromethane	ND		2.0		ug/L			04/06/13 01:50	1

Client Sample ID: DUPX3-2013 0401-01

Lab Sample ID: 480-35387-35

Date Collected: 04/01/13 00:00

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0		ug/L			04/06/13 01:50	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			04/06/13 01:50	1
Dichlorobromomethane	ND		0.50		ug/L			04/06/13 01:50	1
Dichlorodifluoromethane	ND	*	1.0		ug/L			04/06/13 01:50	1
Ethyl ether	ND		1.0		ug/L			04/06/13 01:50	1
Ethylbenzene	ND		1.0		ug/L			04/06/13 01:50	1
Ethylene Dibromide	ND		1.0		ug/L			04/06/13 01:50	1
Hexachlorobutadiene	ND		0.40		ug/L			04/06/13 01:50	1
Isopropyl ether	ND		10		ug/L			04/06/13 01:50	1
Isopropylbenzene	ND		1.0		ug/L			04/06/13 01:50	1
Methyl tert-butyl ether	ND		1.0		ug/L			04/06/13 01:50	1
Methylene Chloride	ND		1.0		ug/L			04/06/13 01:50	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/06/13 01:50	1
Naphthalene	ND		5.0		ug/L			04/06/13 01:50	1
n-Butylbenzene	ND		1.0		ug/L			04/06/13 01:50	1
N-Propylbenzene	ND		1.0		ug/L			04/06/13 01:50	1
o-Xylene	ND		1.0		ug/L			04/06/13 01:50	1
sec-Butylbenzene	ND		1.0		ug/L			04/06/13 01:50	1
Styrene	ND		1.0		ug/L			04/06/13 01:50	1
Tert-amyl methyl ether	ND		5.0		ug/L			04/06/13 01:50	1
Tert-butyl ethyl ether	ND		5.0		ug/L			04/06/13 01:50	1
tert-Butylbenzene	ND		1.0		ug/L			04/06/13 01:50	1
Tetrachloroethene	ND		1.0		ug/L			04/06/13 01:50	1
Tetrahydrofuran	ND		10		ug/L			04/06/13 01:50	1
Toluene	ND		1.0		ug/L			04/06/13 01:50	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/06/13 01:50	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			04/06/13 01:50	1
Trichloroethene	ND		1.0		ug/L			04/06/13 01:50	1
Trichlorofluoromethane	ND		1.0		ug/L			04/06/13 01:50	1
Vinyl chloride	ND		1.0		ug/L			04/06/13 01:50	1
Dibromomethane	ND		1.0		ug/L			04/06/13 01:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*04/06/13 01:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*70 - 130*		*04/06/13 01:50*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*04/06/13 01:50*	*1*

Client Sample ID: Trip Blank

Lab Sample ID: 480-35387-36

Date Collected: 04/01/13 00:00

Matrix: Water

Date Received: 04/02/13 01:40

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		1.6		ug/L			04/03/13 12:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*110*		*50 - 150*		*04/03/13 12:42*	*1*
TBA-d9 (Surr)	*133*		*50 - 150*		*04/03/13 12:42*	*1*

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

Client Sample ID: Trip Blank
Date Collected: 04/01/13 00:00
Date Received: 04/02/13 01:40

Lab Sample ID: 480-35387-36
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			04/05/13 17:01	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/05/13 17:01	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			04/05/13 17:01	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/05/13 17:01	1
1,1-Dichloroethane	ND		1.0		ug/L			04/05/13 17:01	1
1,1-Dichloroethene	ND		1.0		ug/L			04/05/13 17:01	1
1,1-Dichloropropene	ND		1.0		ug/L			04/05/13 17:01	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			04/05/13 17:01	1
1,2,3-Trichloropropane	ND		1.0		ug/L			04/05/13 17:01	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/05/13 17:01	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			04/05/13 17:01	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			04/05/13 17:01	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/05/13 17:01	1
1,2-Dichloroethane	ND		1.0		ug/L			04/05/13 17:01	1
1,2-Dichloropropane	ND		1.0		ug/L			04/05/13 17:01	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			04/05/13 17:01	1
1,3-Dichlorobenzene	ND		1.0		ug/L			04/05/13 17:01	1
1,3-Dichloropropane	ND		1.0		ug/L			04/05/13 17:01	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/05/13 17:01	1
1,4-Dioxane	ND		50		ug/L			04/05/13 17:01	1
2,2-Dichloropropane	ND		1.0		ug/L			04/05/13 17:01	1
2-Butanone (MEK)	ND		10		ug/L			04/05/13 17:01	1
2-Chlorotoluene	ND		1.0		ug/L			04/05/13 17:01	1
2-Hexanone	ND		10		ug/L			04/05/13 17:01	1
4-Chlorotoluene	ND		1.0		ug/L			04/05/13 17:01	1
4-Isopropyltoluene	ND		1.0		ug/L			04/05/13 17:01	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			04/05/13 17:01	1
Acetone	ND		50		ug/L			04/05/13 17:01	1
Benzene	ND		1.0		ug/L			04/05/13 17:01	1
Bromobenzene	ND		1.0		ug/L			04/05/13 17:01	1
Bromoform	ND		1.0		ug/L			04/05/13 17:01	1
Bromomethane	ND		2.0		ug/L			04/05/13 17:01	1
Carbon disulfide	ND		10		ug/L			04/05/13 17:01	1
Carbon tetrachloride	ND		1.0		ug/L			04/05/13 17:01	1
Chlorobenzene	ND		1.0		ug/L			04/05/13 17:01	1
Chlorobromomethane	ND		1.0		ug/L			04/05/13 17:01	1
Chlorodibromomethane	ND		0.50		ug/L			04/05/13 17:01	1
Chloroethane	ND		2.0		ug/L			04/05/13 17:01	1
Chloroform	ND		1.0		ug/L			04/05/13 17:01	1
Chloromethane	ND		2.0		ug/L			04/05/13 17:01	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			04/05/13 17:01	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			04/05/13 17:01	1
Dichlorobromomethane	ND		0.50		ug/L			04/05/13 17:01	1
Dichlorodifluoromethane	ND		1.0		ug/L			04/05/13 17:01	1
Ethyl ether	ND		1.0		ug/L			04/05/13 17:01	1
Ethylbenzene	ND		1.0		ug/L			04/05/13 17:01	1
Ethylene Dibromide	ND		1.0		ug/L			04/05/13 17:01	1
Hexachlorobutadiene	ND		0.40		ug/L			04/05/13 17:01	1
Isopropyl ether	ND		10		ug/L			04/05/13 17:01	1

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

Client Sample ID: Trip Blank
Date Collected: 04/01/13 00:00
Date Received: 04/02/13 01:40

Lab Sample ID: 480-35387-36
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0		ug/L			04/05/13 17:01	1
Methyl tert-butyl ether	ND		1.0		ug/L			04/05/13 17:01	1
Methylene Chloride	ND		1.0		ug/L			04/05/13 17:01	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/05/13 17:01	1
Naphthalene	ND		5.0		ug/L			04/05/13 17:01	1
n-Butylbenzene	ND		1.0		ug/L			04/05/13 17:01	1
N-Propylbenzene	ND		1.0		ug/L			04/05/13 17:01	1
o-Xylene	ND		1.0		ug/L			04/05/13 17:01	1
sec-Butylbenzene	ND		1.0		ug/L			04/05/13 17:01	1
Styrene	ND		1.0		ug/L			04/05/13 17:01	1
Tert-amyl methyl ether	ND		5.0		ug/L			04/05/13 17:01	1
Tert-butyl ethyl ether	ND		5.0		ug/L			04/05/13 17:01	1
tert-Butylbenzene	ND		1.0		ug/L			04/05/13 17:01	1
Tetrachloroethene	ND		1.0		ug/L			04/05/13 17:01	1
Tetrahydrofuran	ND		10		ug/L			04/05/13 17:01	1
Toluene	ND		1.0		ug/L			04/05/13 17:01	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/05/13 17:01	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			04/05/13 17:01	1
Trichloroethene	ND		1.0		ug/L			04/05/13 17:01	1
Trichlorofluoromethane	ND		1.0		ug/L			04/05/13 17:01	1
Vinyl chloride	ND		1.0		ug/L			04/05/13 17:01	1
Dibromomethane	ND		1.0		ug/L			04/05/13 17:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*04/05/13 17:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 130*		*04/05/13 17:01*	*1*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*04/05/13 17:01*	*1*

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		DBFM	BA-d9 (Sur										
Lab Sample ID	Client Sample ID	(50-150)	(50-150)										
480-35387-3	MW-261S-2013 0401	100	202 X										
480-35387-7	MW-265M-2013 0329-01	106	156 X										
480-35387-9	MW-266Ma-2013 0329-01	107	108										
480-35387-11	MW-267S-2013 0329-01	102	91										
480-35387-13	MW-268M-2013 0329-01	95	92										
480-35387-15	MW-269Ma-2013 0329-01	105	142										
480-35387-17	MW-552-2013 0329-01	104	152 X										
480-35387-34	DUPX2-2013 0329-01	107	112										
480-35387-36	Trip Blank	110	133										
LCS 480-110641/3	Lab Control Sample	105	127										
LCSD 480-110641/4	Lab Control Sample Dup	103	123										
MB 480-110641/5	Method Blank	107	145										

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)

TBA-d9 (Surr) = TBA-d9 (Surr)

Method: 8260C - Volatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		TOL	12DCE	BFB									
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)									
480-35387-1	DEP-19M-2013 0401-01	95	87	103									
480-35387-2	DEP-21-2013 0401-01	93	88	103									
480-35387-3	MW-261S-2013 0401	95	88	103									
480-35387-4	MW-263M-2013 0401	97	89	104									
480-35387-5	MW-264M-2013 0401	94	88	104									
480-35387-6	MW-265S-2013 0401	97	87	106									
480-35387-7	MW-265M-2013 0329-01	96	89	102									
480-35387-7 - DL	MW-265M-2013 0329-01	96	86	102									
480-35387-7 MS	MW-265M-2013 0329-01	96	82	107									
480-35387-7 MSD	MW-265M-2013 0329-01	95	82	108									
480-35387-8	MW-265D-2013 0401-01	96	87	104									
480-35387-9	MW-266Ma-2013 0329-01	95	88	103									
480-35387-10	MW-266Mb-2013 0401-01	97	85	103									
480-35387-11	MW-267S-2013 0329-01	96	84	104									
480-35387-12	MW-267M-2013 0329-01	96	87	105									
480-35387-12 - DL	MW-267M-2013 0329-01	96	88	103									
480-35387-13	MW-268M-2013 0329-01	96	86	103									
480-35387-14	MW-268D-2013 0401	96	88	102									
480-35387-15	MW-269Ma-2013 0329-01	97	88	102									
480-35387-16	MW-551-2013 0329-01	94	88	101									
480-35387-16 - DL	MW-551-2013 0329-01	95	89	101									
480-35387-17	MW-552-2013 0329-01	98	87	103									
480-35387-18	MW-553-2013 0329-01	96	88	103									
480-35387-18 - DL	MW-553-2013 0329-01	96	88	101									
480-35387-19	MW-560-2013 0329-01	95	90	103									
480-35387-20	MW-561-2013 0329-01	96	86	103									

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	12DCE	BFB
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
480-35387-21	MW-562-2013 0329-01	96	87	103
480-35387-22	MW-563-2013 0329-01	96	86	105
480-35387-23	REW-1-2013 0328-01	95	88	103
480-35387-24	REW-4-2013 0328-01	96	89	104
480-35387-24 - DL	REW-4-2013 0328-01	96	86	102
480-35387-25	REW-5-2013 0328-01	97	89	105
480-35387-26	REW-6-2013 0329-01	96	87	103
480-35387-27	REW-7-2013 0401-01	96	88	101
480-35387-28	REW-8-2013 0328-01	95	87	103
480-35387-29	REW-9-2013 0328-01	94	84	102
480-35387-30	REW-10-2013 0328-01	95	87	104
480-35387-31	REW-11-2013 0329-01	95	85	102
480-35387-31 - DL	REW-11-2013 0329-01	96	83	105
480-35387-32	REW-12-2013 0328-01	96	88	103
480-35387-32 - DL	REW-12-2013 0328-01	95	86	104
480-35387-33	DUPX1-2013 0328-01	95	84	104
480-35387-34	DUPX2-2013 0329-01	96	85	104
480-35387-35	DUPX3-2013 0401-01	96	85	103
480-35387-36	Trip Blank	96	89	107
LCS 480-110854/4	Lab Control Sample	95	83	105
LCS 480-111019/4	Lab Control Sample	95	81	106
LCS 480-111112/4	Lab Control Sample	94	80	105
LCS 480-111260/4	Lab Control Sample	93	79	103
LCSD 480-110854/5	Lab Control Sample Dup	93	84	106
LCSD 480-111019/5	Lab Control Sample Dup	94	81	104
LCSD 480-111112/5	Lab Control Sample Dup	94	80	107
LCSD 480-111260/5	Lab Control Sample Dup	94	79	109
MB 480-110854/7	Method Blank	97	87	103
MB 480-111019/7	Method Blank	96	85	103
MB 480-111112/7	Method Blank	95	83	103
MB 480-111260/7	Method Blank	97	81	103

Surrogate Legend

TOL = Toluene-d8 (Surr)

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-110641/5
Matrix: Water
Analysis Batch: 110641

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		1.6		ug/L			04/03/13 11:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*107*		*50 - 150*		*04/03/13 11:46*	*1*
TBA-d9 (Surr)	*145*		*50 - 150*		*04/03/13 11:46*	*1*

Lab Sample ID: LCS 480-110641/3
Matrix: Water
Analysis Batch: 110641

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane			16.0	17.0		ug/L		106			

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*105*		*50 - 150*
TBA-d9 (Surr)	*127*		*50 - 150*

Lab Sample ID: LCSD 480-110641/4
Matrix: Water
Analysis Batch: 110641

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane			16.0	16.9		ug/L		106		0	

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*103*		*50 - 150*
TBA-d9 (Surr)	*123*		*50 - 150*

Method: 8260C - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-110854/7
Matrix: Water
Analysis Batch: 110854

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			04/04/13 11:22	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/04/13 11:22	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			04/04/13 11:22	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/04/13 11:22	1
1,1-Dichloroethane	ND		1.0		ug/L			04/04/13 11:22	1
1,1-Dichloroethene	ND		1.0		ug/L			04/04/13 11:22	1
1,1-Dichloropropene	ND		1.0		ug/L			04/04/13 11:22	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			04/04/13 11:22	1
1,2,3-Trichloropropane	ND		1.0		ug/L			04/04/13 11:22	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/04/13 11:22	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			04/04/13 11:22	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			04/04/13 11:22	1

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-110854/7
Matrix: Water
Analysis Batch: 110854

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		1.0		ug/L			04/04/13 11:22	1
1,2-Dichloroethane	ND		1.0		ug/L			04/04/13 11:22	1
1,2-Dichloropropane	ND		1.0		ug/L			04/04/13 11:22	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			04/04/13 11:22	1
1,3-Dichlorobenzene	ND		1.0		ug/L			04/04/13 11:22	1
1,3-Dichloropropane	ND		1.0		ug/L			04/04/13 11:22	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/04/13 11:22	1
1,4-Dioxane	ND		50		ug/L			04/04/13 11:22	1
2,2-Dichloropropane	ND		1.0		ug/L			04/04/13 11:22	1
2-Butanone (MEK)	ND		10		ug/L			04/04/13 11:22	1
2-Chlorotoluene	ND		1.0		ug/L			04/04/13 11:22	1
2-Hexanone	ND		10		ug/L			04/04/13 11:22	1
4-Chlorotoluene	ND		1.0		ug/L			04/04/13 11:22	1
4-Isopropyltoluene	ND		1.0		ug/L			04/04/13 11:22	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			04/04/13 11:22	1
Acetone	ND		50		ug/L			04/04/13 11:22	1
Benzene	ND		1.0		ug/L			04/04/13 11:22	1
Bromobenzene	ND		1.0		ug/L			04/04/13 11:22	1
Bromoform	ND		1.0		ug/L			04/04/13 11:22	1
Bromomethane	ND		2.0		ug/L			04/04/13 11:22	1
Carbon disulfide	ND		10		ug/L			04/04/13 11:22	1
Carbon tetrachloride	ND		1.0		ug/L			04/04/13 11:22	1
Chlorobenzene	ND		1.0		ug/L			04/04/13 11:22	1
Chlorobromomethane	ND		1.0		ug/L			04/04/13 11:22	1
Chlorodibromomethane	ND		0.50		ug/L			04/04/13 11:22	1
Chloroethane	ND		2.0		ug/L			04/04/13 11:22	1
Chloroform	ND		1.0		ug/L			04/04/13 11:22	1
Chloromethane	ND		2.0		ug/L			04/04/13 11:22	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			04/04/13 11:22	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			04/04/13 11:22	1
Dichlorobromomethane	ND		0.50		ug/L			04/04/13 11:22	1
Dichlorodifluoromethane	ND		1.0		ug/L			04/04/13 11:22	1
Ethyl ether	ND		1.0		ug/L			04/04/13 11:22	1
Ethylbenzene	ND		1.0		ug/L			04/04/13 11:22	1
Ethylene Dibromide	ND		1.0		ug/L			04/04/13 11:22	1
Hexachlorobutadiene	ND		0.40		ug/L			04/04/13 11:22	1
Isopropyl ether	ND		10		ug/L			04/04/13 11:22	1
Isopropylbenzene	ND		1.0		ug/L			04/04/13 11:22	1
Methyl tert-butyl ether	ND		1.0		ug/L			04/04/13 11:22	1
Methylene Chloride	ND		1.0		ug/L			04/04/13 11:22	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/04/13 11:22	1
Naphthalene	ND		5.0		ug/L			04/04/13 11:22	1
n-Butylbenzene	ND		1.0		ug/L			04/04/13 11:22	1
N-Propylbenzene	ND		1.0		ug/L			04/04/13 11:22	1
o-Xylene	ND		1.0		ug/L			04/04/13 11:22	1
sec-Butylbenzene	ND		1.0		ug/L			04/04/13 11:22	1
Styrene	ND		1.0		ug/L			04/04/13 11:22	1
Tert-amyl methyl ether	ND		5.0		ug/L			04/04/13 11:22	1

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-110854/7
Matrix: Water
Analysis Batch: 110854

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-butyl ethyl ether	ND		5.0		ug/L			04/04/13 11:22	1
tert-Butylbenzene	ND		1.0		ug/L			04/04/13 11:22	1
Tetrachloroethene	ND		1.0		ug/L			04/04/13 11:22	1
Tetrahydrofuran	ND		10		ug/L			04/04/13 11:22	1
Toluene	ND		1.0		ug/L			04/04/13 11:22	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/04/13 11:22	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			04/04/13 11:22	1
Trichloroethene	ND		1.0		ug/L			04/04/13 11:22	1
Trichlorofluoromethane	ND		1.0		ug/L			04/04/13 11:22	1
Vinyl chloride	ND		1.0		ug/L			04/04/13 11:22	1
Dibromomethane	ND		1.0		ug/L			04/04/13 11:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*04/04/13 11:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 130*		*04/04/13 11:22*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*04/04/13 11:22*	*1*

Lab Sample ID: LCS 480-110854/4
Matrix: Water
Analysis Batch: 110854

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	24.8		ug/L		99	70 - 130
1,1,1-Trichloroethane	25.0	21.7		ug/L		87	70 - 130
1,1,2,2-Tetrachloroethane	25.0	22.3		ug/L		89	70 - 130
1,1,2-Trichloroethane	25.0	23.8		ug/L		95	70 - 130
1,1-Dichloroethane	25.0	23.1		ug/L		93	70 - 130
1,1-Dichloroethene	25.0	23.8		ug/L		95	70 - 130
1,1-Dichloropropene	25.0	23.9		ug/L		96	70 - 130
1,2,3-Trichlorobenzene	25.0	25.8		ug/L		103	70 - 130
1,2,3-Trichloropropane	25.0	22.3		ug/L		89	70 - 130
1,2,4-Trichlorobenzene	25.0	26.2		ug/L		105	70 - 130
1,2,4-Trimethylbenzene	25.0	21.7		ug/L		87	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	21.6		ug/L		86	70 - 130
1,2-Dichlorobenzene	25.0	23.1		ug/L		92	70 - 130
1,2-Dichloroethane	25.0	20.5		ug/L		82	70 - 130
1,2-Dichloropropane	25.0	23.2		ug/L		93	70 - 130
1,3,5-Trimethylbenzene	25.0	21.8		ug/L		87	70 - 130
1,3-Dichlorobenzene	25.0	23.3		ug/L		93	70 - 130
1,3-Dichloropropane	25.0	22.5		ug/L		90	70 - 130
1,4-Dichlorobenzene	25.0	23.0		ug/L		92	70 - 130
1,4-Dioxane	1000	934		ug/L		93	70 - 130
2,2-Dichloropropane	25.0	21.8		ug/L		87	70 - 130
2-Butanone (MEK)	125	152		ug/L		122	70 - 130
2-Chlorotoluene	25.0	22.0		ug/L		88	70 - 130
2-Hexanone	125	103		ug/L		83	70 - 130
4-Chlorotoluene	25.0	19.0		ug/L		76	70 - 130
4-Isopropyltoluene	25.0	22.6		ug/L		90	70 - 130

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-110854/4
Matrix: Water
Analysis Batch: 110854

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methyl-2-pentanone (MIBK)	125	105		ug/L		84	70 - 130
Acetone	125	98.3		ug/L		79	70 - 130
Benzene	25.0	23.7		ug/L		95	70 - 130
Bromobenzene	25.0	23.2		ug/L		93	70 - 130
Bromoform	25.0	26.6		ug/L		106	70 - 130
Bromomethane	25.0	25.9		ug/L		103	70 - 130
Carbon disulfide	25.0	23.5		ug/L		94	70 - 130
Carbon tetrachloride	25.0	22.7		ug/L		91	70 - 130
Chlorobenzene	25.0	24.5		ug/L		98	70 - 130
Chlorobromomethane	25.0	26.2		ug/L		105	70 - 130
Chlorodibromomethane	25.0	24.5		ug/L		98	70 - 130
Chloroethane	25.0	22.6		ug/L		90	70 - 130
Chloroform	25.0	22.1		ug/L		89	70 - 130
Chloromethane	25.0	24.5		ug/L		98	70 - 130
cis-1,2-Dichloroethene	25.0	25.0		ug/L		100	70 - 130
cis-1,3-Dichloropropene	25.0	23.5		ug/L		94	70 - 130
Dichlorobromomethane	25.0	23.1		ug/L		92	70 - 130
Dichlorodifluoromethane	50.0	55.9		ug/L		112	70 - 130
Ethyl ether	25.0	22.9		ug/L		92	70 - 130
Ethylbenzene	25.0	22.9		ug/L		92	70 - 130
Ethylene Dibromide	25.0	23.9		ug/L		95	70 - 130
Hexachlorobutadiene	25.0	26.0		ug/L		104	70 - 130
Isopropyl ether	25.0	23.3		ug/L		93	70 - 130
Isopropylbenzene	25.0	22.1		ug/L		88	70 - 130
Methyl tert-butyl ether	25.0	23.3		ug/L		93	70 - 130
Methylene Chloride	25.0	22.7		ug/L		91	70 - 130
m-Xylene & p-Xylene	50.0	48.1		ug/L		96	70 - 130
Naphthalene	25.0	24.0		ug/L		96	70 - 130
n-Butylbenzene	25.0	21.4		ug/L		86	70 - 130
N-Propylbenzene	25.0	21.7		ug/L		87	70 - 130
o-Xylene	25.0	23.6		ug/L		94	70 - 130
sec-Butylbenzene	25.0	22.2		ug/L		89	70 - 130
Styrene	25.0	23.7		ug/L		95	70 - 130
Tert-amyl methyl ether	25.0	23.7		ug/L		95	70 - 130
Tert-butyl ethyl ether	25.0	22.8		ug/L		91	70 - 130
tert-Butylbenzene	25.0	23.3		ug/L		93	70 - 130
Tetrachloroethene	25.0	27.3		ug/L		109	70 - 130
Tetrahydrofuran	125	112		ug/L		89	70 - 130
Toluene	25.0	23.5		ug/L		94	70 - 130
trans-1,2-Dichloroethene	25.0	24.1		ug/L		97	70 - 130
trans-1,3-Dichloropropene	25.0	22.4		ug/L		90	70 - 130
Trichloroethene	25.0	24.4		ug/L		98	70 - 130
Trichlorofluoromethane	25.0	24.3		ug/L		97	70 - 130
Vinyl chloride	25.0	24.1		ug/L		96	70 - 130
Dibromomethane	25.0	23.5		ug/L		94	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*95*		*70 - 130*

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-110854/4
Matrix: Water
Analysis Batch: 110854

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*83*		*70 - 130*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 480-110854/5
Matrix: Water
Analysis Batch: 110854

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			25.0	24.6		ug/L		98	70 - 130	1	20
1,1,1-Trichloroethane			25.0	20.9		ug/L		83	70 - 130	4	20
1,1,2,2-Tetrachloroethane			25.0	22.5		ug/L		90	70 - 130	1	20
1,1,2-Trichloroethane			25.0	23.0		ug/L		92	70 - 130	4	20
1,1-Dichloroethane			25.0	22.7		ug/L		91	70 - 130	2	20
1,1-Dichloroethene			25.0	23.9		ug/L		96	70 - 130	1	20
1,1-Dichloropropene			25.0	23.0		ug/L		92	70 - 130	4	20
1,2,3-Trichlorobenzene			25.0	25.8		ug/L		103	70 - 130	0	20
1,2,3-Trichloropropane			25.0	22.8		ug/L		91	70 - 130	2	20
1,2,4-Trichlorobenzene			25.0	26.5		ug/L		106	70 - 130	1	20
1,2,4-Trimethylbenzene			25.0	21.8		ug/L		87	70 - 130	0	20
1,2-Dibromo-3-Chloropropane			25.0	22.3		ug/L		89	70 - 130	3	20
1,2-Dichlorobenzene			25.0	23.5		ug/L		94	70 - 130	2	20
1,2-Dichloroethane			25.0	20.1		ug/L		80	70 - 130	2	20
1,2-Dichloropropane			25.0	22.8		ug/L		91	70 - 130	2	20
1,3,5-Trimethylbenzene			25.0	21.9		ug/L		88	70 - 130	0	20
1,3-Dichlorobenzene			25.0	23.4		ug/L		94	70 - 130	0	20
1,3-Dichloropropane			25.0	22.3		ug/L		89	70 - 130	1	20
1,4-Dichlorobenzene			25.0	23.6		ug/L		94	70 - 130	3	20
1,4-Dioxane			1000	910		ug/L		91	70 - 130	3	20
2,2-Dichloropropane			25.0	21.3		ug/L		85	70 - 130	2	20
2-Butanone (MEK)			125	152		ug/L		122	70 - 130	0	20
2-Chlorotoluene			25.0	22.2		ug/L		89	70 - 130	1	20
2-Hexanone			125	103		ug/L		83	70 - 130	0	20
4-Chlorotoluene			25.0	18.9		ug/L		76	70 - 130	1	20
4-Isopropyltoluene			25.0	23.0		ug/L		92	70 - 130	1	20
4-Methyl-2-pentanone (MIBK)			125	103		ug/L		82	70 - 130	2	20
Acetone			125	99.5		ug/L		80	70 - 130	1	20
Benzene			25.0	23.3		ug/L		93	70 - 130	2	20
Bromobenzene			25.0	23.6		ug/L		94	70 - 130	2	20
Bromoform			25.0	26.0		ug/L		104	70 - 130	2	20
Bromomethane			25.0	22.7		ug/L		91	70 - 130	13	20
Carbon disulfide			25.0	22.9		ug/L		92	70 - 130	3	20
Carbon tetrachloride			25.0	21.6		ug/L		87	70 - 130	5	20
Chlorobenzene			25.0	23.5		ug/L		94	70 - 130	4	20
Chlorobromomethane			25.0	26.4		ug/L		105	70 - 130	1	20
Chlorodibromomethane			25.0	24.1		ug/L		96	70 - 130	2	20
Chloroethane			25.0	20.8		ug/L		83	70 - 130	8	20
Chloroform			25.0	22.0		ug/L		88	70 - 130	1	20
Chloromethane			25.0	23.3		ug/L		93	70 - 130	5	20

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-110854/5
Matrix: Water
Analysis Batch: 110854

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,2-Dichloroethene			25.0	24.5		ug/L		98	70 - 130	2	20
cis-1,3-Dichloropropene			25.0	23.4		ug/L		94	70 - 130	0	20
Dichlorobromomethane			25.0	22.5		ug/L		90	70 - 130	3	20
Dichlorodifluoromethane			50.0	52.5		ug/L		105	70 - 130	6	20
Ethyl ether			25.0	22.8		ug/L		91	70 - 130	0	20
Ethylbenzene			25.0	22.2		ug/L		89	70 - 130	3	20
Ethylene Dibromide			25.0	23.4		ug/L		94	70 - 130	2	20
Hexachlorobutadiene			25.0	25.7		ug/L		103	70 - 130	1	20
Isopropyl ether			25.0	22.9		ug/L		92	70 - 130	2	20
Isopropylbenzene			25.0	21.9		ug/L		88	70 - 130	1	20
Methyl tert-butyl ether			25.0	23.3		ug/L		93	70 - 130	0	20
Methylene Chloride			25.0	22.7		ug/L		91	70 - 130	0	20
m-Xylene & p-Xylene			50.0	46.2		ug/L		92	70 - 130	4	20
Naphthalene			25.0	24.7		ug/L		99	70 - 130	3	20
n-Butylbenzene			25.0	21.3		ug/L		85	70 - 130	0	20
N-Propylbenzene			25.0	21.6		ug/L		87	70 - 130	0	20
o-Xylene			25.0	23.3		ug/L		93	70 - 130	1	20
sec-Butylbenzene			25.0	22.0		ug/L		88	70 - 130	1	20
Styrene			25.0	23.1		ug/L		92	70 - 130	3	20
Tert-amyl methyl ether			25.0	23.7		ug/L		95	70 - 130	0	20
Tert-butyl ethyl ether			25.0	22.9		ug/L		92	70 - 130	0	20
tert-Butylbenzene			25.0	23.7		ug/L		95	70 - 130	2	20
Tetrachloroethene			25.0	26.3		ug/L		105	70 - 130	4	20
Tetrahydrofuran			125	109		ug/L		87	70 - 130	3	20
Toluene			25.0	22.8		ug/L		91	70 - 130	3	20
trans-1,2-Dichloroethene			25.0	24.5		ug/L		98	70 - 130	2	20
trans-1,3-Dichloropropene			25.0	21.7		ug/L		87	70 - 130	3	20
Trichloroethene			25.0	24.0		ug/L		96	70 - 130	1	20
Trichlorofluoromethane			25.0	22.4		ug/L		90	70 - 130	8	20
Vinyl chloride			25.0	22.4		ug/L		90	70 - 130	7	20
Dibromomethane			25.0	23.7		ug/L		95	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*93*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*84*		*70 - 130*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: MB 480-111019/7
Matrix: Water
Analysis Batch: 111019

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			04/04/13 23:54	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/04/13 23:54	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			04/04/13 23:54	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/04/13 23:54	1
1,1-Dichloroethane	ND		1.0		ug/L			04/04/13 23:54	1
1,1-Dichloroethene	ND		1.0		ug/L			04/04/13 23:54	1

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-111019/7
Matrix: Water
Analysis Batch: 111019

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		1.0		ug/L			04/04/13 23:54	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			04/04/13 23:54	1
1,2,3-Trichloropropane	ND		1.0		ug/L			04/04/13 23:54	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/04/13 23:54	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			04/04/13 23:54	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			04/04/13 23:54	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/04/13 23:54	1
1,2-Dichloroethane	ND		1.0		ug/L			04/04/13 23:54	1
1,2-Dichloropropane	ND		1.0		ug/L			04/04/13 23:54	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			04/04/13 23:54	1
1,3-Dichlorobenzene	ND		1.0		ug/L			04/04/13 23:54	1
1,3-Dichloropropane	ND		1.0		ug/L			04/04/13 23:54	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/04/13 23:54	1
1,4-Dioxane	ND		50		ug/L			04/04/13 23:54	1
2,2-Dichloropropane	ND		1.0		ug/L			04/04/13 23:54	1
2-Butanone (MEK)	ND		10		ug/L			04/04/13 23:54	1
2-Chlorotoluene	ND		1.0		ug/L			04/04/13 23:54	1
2-Hexanone	ND		10		ug/L			04/04/13 23:54	1
4-Chlorotoluene	ND		1.0		ug/L			04/04/13 23:54	1
4-Isopropyltoluene	ND		1.0		ug/L			04/04/13 23:54	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			04/04/13 23:54	1
Acetone	ND		50		ug/L			04/04/13 23:54	1
Benzene	ND		1.0		ug/L			04/04/13 23:54	1
Bromobenzene	ND		1.0		ug/L			04/04/13 23:54	1
Bromoform	ND		1.0		ug/L			04/04/13 23:54	1
Bromomethane	ND		2.0		ug/L			04/04/13 23:54	1
Carbon disulfide	ND		10		ug/L			04/04/13 23:54	1
Carbon tetrachloride	ND		1.0		ug/L			04/04/13 23:54	1
Chlorobenzene	ND		1.0		ug/L			04/04/13 23:54	1
Chlorobromomethane	ND		1.0		ug/L			04/04/13 23:54	1
Chlorodibromomethane	ND		0.50		ug/L			04/04/13 23:54	1
Chloroethane	ND		2.0		ug/L			04/04/13 23:54	1
Chloroform	ND		1.0		ug/L			04/04/13 23:54	1
Chloromethane	ND		2.0		ug/L			04/04/13 23:54	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			04/04/13 23:54	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			04/04/13 23:54	1
Dichlorobromomethane	ND		0.50		ug/L			04/04/13 23:54	1
Dichlorodifluoromethane	ND		1.0		ug/L			04/04/13 23:54	1
Ethyl ether	ND		1.0		ug/L			04/04/13 23:54	1
Ethylbenzene	ND		1.0		ug/L			04/04/13 23:54	1
Ethylene Dibromide	ND		1.0		ug/L			04/04/13 23:54	1
Hexachlorobutadiene	ND		0.40		ug/L			04/04/13 23:54	1
Isopropyl ether	ND		10		ug/L			04/04/13 23:54	1
Isopropylbenzene	ND		1.0		ug/L			04/04/13 23:54	1
Methyl tert-butyl ether	ND		1.0		ug/L			04/04/13 23:54	1
Methylene Chloride	ND		1.0		ug/L			04/04/13 23:54	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/04/13 23:54	1
Naphthalene	ND		5.0		ug/L			04/04/13 23:54	1

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-111019/7
Matrix: Water
Analysis Batch: 111019

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		1.0		ug/L			04/04/13 23:54	1
N-Propylbenzene	ND		1.0		ug/L			04/04/13 23:54	1
o-Xylene	ND		1.0		ug/L			04/04/13 23:54	1
sec-Butylbenzene	ND		1.0		ug/L			04/04/13 23:54	1
Styrene	ND		1.0		ug/L			04/04/13 23:54	1
Tert-amyl methyl ether	ND		5.0		ug/L			04/04/13 23:54	1
Tert-butyl ethyl ether	ND		5.0		ug/L			04/04/13 23:54	1
tert-Butylbenzene	ND		1.0		ug/L			04/04/13 23:54	1
Tetrachloroethene	ND		1.0		ug/L			04/04/13 23:54	1
Tetrahydrofuran	ND		10		ug/L			04/04/13 23:54	1
Toluene	ND		1.0		ug/L			04/04/13 23:54	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/04/13 23:54	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			04/04/13 23:54	1
Trichloroethene	ND		1.0		ug/L			04/04/13 23:54	1
Trichlorofluoromethane	ND		1.0		ug/L			04/04/13 23:54	1
Vinyl chloride	ND		1.0		ug/L			04/04/13 23:54	1
Dibromomethane	ND		1.0		ug/L			04/04/13 23:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*04/04/13 23:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*70 - 130*		*04/04/13 23:54*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*04/04/13 23:54*	*1*

Lab Sample ID: LCS 480-111019/4
Matrix: Water
Analysis Batch: 111019

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	23.3		ug/L		93	70 - 130
1,1,1-Trichloroethane	25.0	18.8		ug/L		75	70 - 130
1,1,2,2-Tetrachloroethane	25.0	21.9		ug/L		88	70 - 130
1,1,2-Trichloroethane	25.0	22.6		ug/L		90	70 - 130
1,1-Dichloroethane	25.0	20.7		ug/L		83	70 - 130
1,1-Dichloroethene	25.0	21.2		ug/L		85	70 - 130
1,1-Dichloropropene	25.0	21.1		ug/L		84	70 - 130
1,2,3-Trichlorobenzene	25.0	25.1		ug/L		100	70 - 130
1,2,3-Trichloropropane	25.0	22.9		ug/L		91	70 - 130
1,2,4-Trichlorobenzene	25.0	25.5		ug/L		102	70 - 130
1,2,4-Trimethylbenzene	25.0	20.8		ug/L		83	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	21.4		ug/L		86	70 - 130
1,2-Dichlorobenzene	25.0	22.8		ug/L		91	70 - 130
1,2-Dichloroethane	25.0	19.2		ug/L		77	70 - 130
1,2-Dichloropropane	25.0	21.3		ug/L		85	70 - 130
1,3,5-Trimethylbenzene	25.0	20.7		ug/L		83	70 - 130
1,3-Dichlorobenzene	25.0	22.4		ug/L		90	70 - 130
1,3-Dichloropropane	25.0	22.1		ug/L		89	70 - 130
1,4-Dichlorobenzene	25.0	22.8		ug/L		91	70 - 130
1,4-Dioxane	1000	980		ug/L		98	70 - 130

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-111019/4
Matrix: Water
Analysis Batch: 111019

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-Dichloropropane	25.0	18.9		ug/L		76	70 - 130
2-Butanone (MEK)	125	146		ug/L		117	70 - 130
2-Chlorotoluene	25.0	21.6		ug/L		87	70 - 130
2-Hexanone	125	96.4		ug/L		77	70 - 130
4-Chlorotoluene	25.0	18.0		ug/L		72	70 - 130
4-Isopropyltoluene	25.0	21.3		ug/L		85	70 - 130
4-Methyl-2-pentanone (MIBK)	125	97.9		ug/L		78	70 - 130
Acetone	125	89.0		ug/L		71	70 - 130
Benzene	25.0	21.6		ug/L		86	70 - 130
Bromobenzene	25.0	22.9		ug/L		92	70 - 130
Bromoform	25.0	24.3		ug/L		97	70 - 130
Bromomethane	25.0	20.3		ug/L		81	70 - 130
Carbon disulfide	25.0	17.9		ug/L		72	70 - 130
Carbon tetrachloride	25.0	19.2		ug/L		77	70 - 130
Chlorobenzene	25.0	23.0		ug/L		92	70 - 130
Chlorobromomethane	25.0	25.0		ug/L		100	70 - 130
Chlorodibromomethane	25.0	23.0		ug/L		92	70 - 130
Chloroethane	25.0	18.1		ug/L		72	70 - 130
Chloroform	25.0	20.9		ug/L		84	70 - 130
Chloromethane	25.0	21.2		ug/L		85	70 - 130
cis-1,2-Dichloroethene	25.0	22.7		ug/L		91	70 - 130
cis-1,3-Dichloropropene	25.0	21.7		ug/L		87	70 - 130
Dichlorobromomethane	25.0	20.6		ug/L		82	70 - 130
Dichlorodifluoromethane	50.0	39.4		ug/L		79	70 - 130
Ethyl ether	25.0	21.9		ug/L		88	70 - 130
Ethylbenzene	25.0	21.3		ug/L		85	70 - 130
Ethylene Dibromide	25.0	23.8		ug/L		95	70 - 130
Hexachlorobutadiene	25.0	24.8		ug/L		99	70 - 130
Isopropyl ether	25.0	22.4		ug/L		90	70 - 130
Isopropylbenzene	25.0	20.6		ug/L		83	70 - 130
Methyl tert-butyl ether	25.0	21.2		ug/L		85	70 - 130
Methylene Chloride	25.0	21.1		ug/L		84	70 - 130
m-Xylene & p-Xylene	50.0	43.4		ug/L		87	70 - 130
Naphthalene	25.0	23.6		ug/L		95	70 - 130
n-Butylbenzene	25.0	19.9		ug/L		80	70 - 130
N-Propylbenzene	25.0	20.0		ug/L		80	70 - 130
o-Xylene	25.0	22.0		ug/L		88	70 - 130
sec-Butylbenzene	25.0	20.7		ug/L		83	70 - 130
Styrene	25.0	22.2		ug/L		89	70 - 130
Tert-amyl methyl ether	25.0	24.0		ug/L		96	70 - 130
Tert-butyl ethyl ether	25.0	22.3		ug/L		89	70 - 130
tert-Butylbenzene	25.0	21.8		ug/L		87	70 - 130
Tetrachloroethene	25.0	25.0		ug/L		100	70 - 130
Tetrahydrofuran	125	102		ug/L		82	70 - 130
Toluene	25.0	22.0		ug/L		88	70 - 130
trans-1,2-Dichloroethene	25.0	22.0		ug/L		88	70 - 130
trans-1,3-Dichloropropene	25.0	20.6		ug/L		82	70 - 130
Trichloroethene	25.0	22.3		ug/L		89	70 - 130

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-111019/4
Matrix: Water
Analysis Batch: 111019

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichlorofluoromethane	25.0	20.3		ug/L		81	70 - 130
Vinyl chloride	25.0	19.5		ug/L		78	70 - 130
Dibromomethane	25.0	22.7		ug/L		91	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*95*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*81*		*70 - 130*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: LCSD 480-111019/5
Matrix: Water
Analysis Batch: 111019

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	25.0	23.1		ug/L		92	70 - 130	1	20
1,1,1-Trichloroethane	25.0	18.8		ug/L		75	70 - 130	0	20
1,1,2,2-Tetrachloroethane	25.0	21.8		ug/L		87	70 - 130	1	20
1,1,2-Trichloroethane	25.0	22.7		ug/L		91	70 - 130	1	20
1,1-Dichloroethane	25.0	20.7		ug/L		83	70 - 130	0	20
1,1-Dichloroethene	25.0	20.6		ug/L		83	70 - 130	3	20
1,1-Dichloropropene	25.0	20.6		ug/L		83	70 - 130	2	20
1,2,3-Trichlorobenzene	25.0	25.7		ug/L		103	70 - 130	2	20
1,2,3-Trichloropropane	25.0	22.2		ug/L		89	70 - 130	3	20
1,2,4-Trichlorobenzene	25.0	26.3		ug/L		105	70 - 130	3	20
1,2,4-Trimethylbenzene	25.0	20.5		ug/L		82	70 - 130	2	20
1,2-Dibromo-3-Chloropropane	25.0	20.8		ug/L		83	70 - 130	3	20
1,2-Dichlorobenzene	25.0	22.6		ug/L		90	70 - 130	1	20
1,2-Dichloroethane	25.0	19.0		ug/L		76	70 - 130	1	20
1,2-Dichloropropane	25.0	21.6		ug/L		86	70 - 130	1	20
1,3,5-Trimethylbenzene	25.0	20.2		ug/L		81	70 - 130	2	20
1,3-Dichlorobenzene	25.0	22.4		ug/L		90	70 - 130	0	20
1,3-Dichloropropane	25.0	22.2		ug/L		89	70 - 130	0	20
1,4-Dichlorobenzene	25.0	22.4		ug/L		90	70 - 130	1	20
1,4-Dioxane	1000	971		ug/L		97	70 - 130	1	20
2,2-Dichloropropane	25.0	19.0		ug/L		76	70 - 130	0	20
2-Butanone (MEK)	125	142		ug/L		114	70 - 130	3	20
2-Chlorotoluene	25.0	21.3		ug/L		85	70 - 130	2	20
2-Hexanone	125	95.2		ug/L		76	70 - 130	1	20
4-Chlorotoluene	25.0	18.0		ug/L		72	70 - 130	0	20
4-Isopropyltoluene	25.0	21.1		ug/L		84	70 - 130	1	20
4-Methyl-2-pentanone (MIBK)	125	95.4		ug/L		76	70 - 130	3	20
Acetone	125	86.9		ug/L		70	70 - 130	2	20
Benzene	25.0	21.5		ug/L		86	70 - 130	1	20
Bromobenzene	25.0	22.9		ug/L		92	70 - 130	0	20
Bromoform	25.0	24.5		ug/L		98	70 - 130	1	20
Bromomethane	25.0	19.8		ug/L		79	70 - 130	2	20
Carbon disulfide	25.0	18.1		ug/L		72	70 - 130	1	20
Carbon tetrachloride	25.0	19.3		ug/L		77	70 - 130	1	20

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-111019/5
Matrix: Water
Analysis Batch: 111019

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene			25.0	22.7		ug/L		91	70 - 130	1	20
Chlorobromomethane			25.0	26.2		ug/L		105	70 - 130	5	20
Chlorodibromomethane			25.0	23.1		ug/L		93	70 - 130	1	20
Chloroethane			25.0	17.4	*	ug/L		69	70 - 130	4	20
Chloroform			25.0	20.7		ug/L		83	70 - 130	1	20
Chloromethane			25.0	20.5		ug/L		82	70 - 130	3	20
cis-1,2-Dichloroethene			25.0	22.2		ug/L		89	70 - 130	2	20
cis-1,3-Dichloropropene			25.0	22.0		ug/L		88	70 - 130	2	20
Dichlorobromomethane			25.0	21.1		ug/L		84	70 - 130	2	20
Dichlorodifluoromethane			50.0	37.0		ug/L		74	70 - 130	6	20
Ethyl ether			25.0	21.6		ug/L		86	70 - 130	2	20
Ethylbenzene			25.0	21.2		ug/L		85	70 - 130	0	20
Ethylene Dibromide			25.0	23.2		ug/L		93	70 - 130	3	20
Hexachlorobutadiene			25.0	24.3		ug/L		97	70 - 130	2	20
Isopropyl ether			25.0	22.0		ug/L		88	70 - 130	2	20
Isopropylbenzene			25.0	20.1		ug/L		80	70 - 130	3	20
Methyl tert-butyl ether			25.0	21.1		ug/L		84	70 - 130	0	20
Methylene Chloride			25.0	21.4		ug/L		86	70 - 130	1	20
m-Xylene & p-Xylene			50.0	43.3		ug/L		87	70 - 130	0	20
Naphthalene			25.0	23.4		ug/L		94	70 - 130	1	20
n-Butylbenzene			25.0	20.0		ug/L		80	70 - 130	0	20
N-Propylbenzene			25.0	19.7		ug/L		79	70 - 130	1	20
o-Xylene			25.0	21.9		ug/L		88	70 - 130	0	20
sec-Butylbenzene			25.0	20.4		ug/L		82	70 - 130	1	20
Styrene			25.0	22.2		ug/L		89	70 - 130	0	20
Tert-amyl methyl ether			25.0	23.7		ug/L		95	70 - 130	1	20
Tert-butyl ethyl ether			25.0	22.6		ug/L		90	70 - 130	1	20
tert-Butylbenzene			25.0	21.6		ug/L		86	70 - 130	1	20
Tetrachloroethene			25.0	24.7		ug/L		99	70 - 130	1	20
Tetrahydrofuran			125	99.2		ug/L		79	70 - 130	3	20
Toluene			25.0	21.7		ug/L		87	70 - 130	1	20
trans-1,2-Dichloroethene			25.0	22.1		ug/L		89	70 - 130	1	20
trans-1,3-Dichloropropene			25.0	20.7		ug/L		83	70 - 130	1	20
Trichloroethene			25.0	22.3		ug/L		89	70 - 130	0	20
Trichlorofluoromethane			25.0	19.9		ug/L		80	70 - 130	2	20
Vinyl chloride			25.0	19.3		ug/L		77	70 - 130	1	20
Dibromomethane			25.0	23.0		ug/L		92	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*94*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*81*		*70 - 130*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-35387-7 MS
Matrix: Water
Analysis Batch: 111019

Client Sample ID: MW-265M-2013 0329-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		625	560		ug/L		90	70 - 130
1,1,1-Trichloroethane	ND		625	504		ug/L		81	70 - 130
1,1,2,2-Tetrachloroethane	ND		625	547		ug/L		88	70 - 130
1,1,2-Trichloroethane	ND		625	577		ug/L		92	70 - 130
1,1-Dichloroethane	ND		625	548		ug/L		88	70 - 130
1,1-Dichloroethene	ND		625	576		ug/L		92	70 - 130
1,1-Dichloropropene	ND		625	566		ug/L		90	70 - 130
1,2,3-Trichlorobenzene	ND		625	647		ug/L		104	70 - 130
1,2,3-Trichloropropane	ND		625	550		ug/L		88	70 - 130
1,2,4-Trichlorobenzene	ND		625	636		ug/L		102	70 - 130
1,2,4-Trimethylbenzene	ND		625	529		ug/L		85	70 - 130
1,2-Dibromo-3-Chloropropane	ND		625	513		ug/L		82	70 - 130
1,2-Dichlorobenzene	ND		625	573		ug/L		92	70 - 130
1,2-Dichloroethane	ND		625	488		ug/L		78	70 - 130
1,2-Dichloropropane	ND		625	562		ug/L		90	70 - 130
1,3,5-Trimethylbenzene	ND		625	533		ug/L		85	70 - 130
1,3-Dichlorobenzene	ND		625	569		ug/L		91	70 - 130
1,3-Dichloropropane	ND		625	556		ug/L		89	70 - 130
1,4-Dichlorobenzene	ND		625	550		ug/L		88	70 - 130
1,4-Dioxane	ND		25000	21000		ug/L		84	70 - 130
2,2-Dichloropropane	ND		625	395	F	ug/L		63	70 - 130
2-Butanone (MEK)	ND		3130	3580		ug/L		112	70 - 130
2-Chlorotoluene	ND		625	546		ug/L		87	70 - 130
2-Hexanone	ND		3130	2380		ug/L		76	70 - 130
4-Chlorotoluene	ND		625	464		ug/L		74	70 - 130
4-Isopropyltoluene	ND		625	540		ug/L		86	70 - 130
4-Methyl-2-pentanone (MIBK)	ND		3130	2440		ug/L		78	70 - 130
Acetone	7500		3130	7660	F	ug/L		4	70 - 130
Benzene	ND		625	571		ug/L		91	70 - 130
Bromobenzene	ND		625	573		ug/L		92	70 - 130
Bromoform	ND		625	409	F	ug/L		65	70 - 130
Bromomethane	ND		625	563		ug/L		90	70 - 130
Carbon disulfide	ND		625	436		ug/L		70	70 - 130
Carbon tetrachloride	ND		625	510		ug/L		82	70 - 130
Chlorobenzene	ND		625	593		ug/L		95	70 - 130
Chlorobromomethane	ND		625	651		ug/L		104	70 - 130
Chlorodibromomethane	ND		625	490		ug/L		78	70 - 130
Chloroethane	ND		625	503		ug/L		80	70 - 130
Chloroform	ND		625	541		ug/L		87	70 - 130
Chloromethane	ND		625	577		ug/L		92	70 - 130
cis-1,2-Dichloroethene	31		625	619		ug/L		94	70 - 130
cis-1,3-Dichloropropene	ND		625	527		ug/L		84	70 - 130
Dichlorobromomethane	ND		625	497		ug/L		80	70 - 130
Dichlorodifluoromethane	ND		1250	1250		ug/L		100	70 - 130
Ethyl ether	ND		625	548		ug/L		88	70 - 130
Ethylbenzene	ND		625	552		ug/L		88	70 - 130
Ethylene Dibromide	ND		625	577		ug/L		92	70 - 130
Hexachlorobutadiene	ND		625	617		ug/L		99	70 - 130

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-35387-7 MS
Matrix: Water
Analysis Batch: 111019

Client Sample ID: MW-265M-2013 0329-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Isopropyl ether	ND		625	552		ug/L		88	70 - 130
Isopropylbenzene	ND		625	526		ug/L		84	70 - 130
Methyl tert-butyl ether	ND		625	516		ug/L		83	70 - 130
Methylene Chloride	ND		625	543		ug/L		87	70 - 130
m-Xylene & p-Xylene	ND		1250	1150		ug/L		92	70 - 130
Naphthalene	ND		625	588		ug/L		94	70 - 130
n-Butylbenzene	ND		625	512		ug/L		82	70 - 130
N-Propylbenzene	ND		625	507		ug/L		81	70 - 130
o-Xylene	ND		625	577		ug/L		92	70 - 130
sec-Butylbenzene	ND		625	531		ug/L		85	70 - 130
Styrene	ND		625	568		ug/L		91	70 - 130
Tert-amyl methyl ether	ND		625	582		ug/L		93	70 - 130
Tert-butyl ethyl ether	ND		625	562		ug/L		90	70 - 130
tert-Butylbenzene	ND		625	576		ug/L		92	70 - 130
Tetrachloroethene	ND		625	653		ug/L		105	70 - 130
Tetrahydrofuran	ND		3130	2490		ug/L		80	70 - 130
Toluene	ND		625	576		ug/L		92	70 - 130
trans-1,2-Dichloroethene	ND		625	591		ug/L		95	70 - 130
trans-1,3-Dichloropropene	ND		625	479		ug/L		77	70 - 130
Trichloroethene	ND		625	585		ug/L		94	70 - 130
Trichlorofluoromethane	ND		625	570		ug/L		91	70 - 130
Vinyl chloride	ND		625	588		ug/L		90	70 - 130
Dibromomethane	ND		625	594		ug/L		95	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*96*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*82*		*70 - 130*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: 480-35387-7 MSD
Matrix: Water
Analysis Batch: 111019

Client Sample ID: MW-265M-2013 0329-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		625	578		ug/L		93	70 - 130	3	20
1,1,1-Trichloroethane	ND		625	484		ug/L		77	70 - 130	4	20
1,1,2,2-Tetrachloroethane	ND		625	557		ug/L		89	70 - 130	2	20
1,1,2-Trichloroethane	ND		625	559		ug/L		89	70 - 130	3	20
1,1-Dichloroethane	ND		625	535		ug/L		86	70 - 130	2	20
1,1-Dichloroethene	ND		625	556		ug/L		89	70 - 130	4	20
1,1-Dichloropropene	ND		625	537		ug/L		86	70 - 130	5	20
1,2,3-Trichlorobenzene	ND		625	633		ug/L		101	70 - 130	2	20
1,2,3-Trichloropropane	ND		625	559		ug/L		89	70 - 130	2	20
1,2,4-Trichlorobenzene	ND		625	626		ug/L		100	70 - 130	2	20
1,2,4-Trimethylbenzene	ND		625	521		ug/L		83	70 - 130	1	20
1,2-Dibromo-3-Chloropropane	ND		625	520		ug/L		83	70 - 130	1	20
1,2-Dichlorobenzene	ND		625	566		ug/L		91	70 - 130	1	20
1,2-Dichloroethane	ND		625	468		ug/L		75	70 - 130	4	20

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-35387-7 MSD
Matrix: Water
Analysis Batch: 111019

Client Sample ID: MW-265M-2013 0329-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloropropane	ND		625	538		ug/L		86	70 - 130	4	20
1,3,5-Trimethylbenzene	ND		625	517		ug/L		83	70 - 130	3	20
1,3-Dichlorobenzene	ND		625	565		ug/L		90	70 - 130	1	20
1,3-Dichloropropane	ND		625	541		ug/L		87	70 - 130	3	20
1,4-Dichlorobenzene	ND		625	570		ug/L		91	70 - 130	4	20
1,4-Dioxane	ND		25000	23600		ug/L		94	70 - 130	12	20
2,2-Dichloropropane	ND		625	381	F	ug/L		61	70 - 130	4	20
2-Butanone (MEK)	ND		3130	3720		ug/L		116	70 - 130	4	20
2-Chlorotoluene	ND		625	529		ug/L		85	70 - 130	3	20
2-Hexanone	ND		3130	2360		ug/L		76	70 - 130	1	20
4-Chlorotoluene	ND		625	451		ug/L		72	70 - 130	3	20
4-Isopropyltoluene	ND		625	544		ug/L		87	70 - 130	1	20
4-Methyl-2-pentanone (MIBK)	ND		3130	2360		ug/L		75	70 - 130	4	20
Acetone	7500		3130	8220	F	ug/L		22	70 - 130	7	20
Benzene	ND		625	552		ug/L		88	70 - 130	3	20
Bromobenzene	ND		625	559		ug/L		89	70 - 130	3	20
Bromoform	ND		625	448		ug/L		72	70 - 130	9	20
Bromomethane	ND		625	545		ug/L		87	70 - 130	3	20
Carbon disulfide	ND		625	423	F	ug/L		68	70 - 130	3	20
Carbon tetrachloride	ND		625	494		ug/L		79	70 - 130	3	20
Chlorobenzene	ND		625	569		ug/L		91	70 - 130	4	20
Chlorobromomethane	ND		625	625		ug/L		100	70 - 130	4	20
Chlorodibromomethane	ND		625	500		ug/L		80	70 - 130	2	20
Chloroethane	ND		625	505		ug/L		81	70 - 130	0	20
Chloroform	ND		625	519		ug/L		83	70 - 130	4	20
Chloromethane	ND		625	555		ug/L		89	70 - 130	4	20
cis-1,2-Dichloroethene	31		625	610		ug/L		93	70 - 130	1	20
cis-1,3-Dichloropropene	ND		625	515		ug/L		82	70 - 130	2	20
Dichlorobromomethane	ND		625	483		ug/L		77	70 - 130	3	20
Dichlorodifluoromethane	ND		1250	1220		ug/L		98	70 - 130	2	20
Ethyl ether	ND		625	544		ug/L		87	70 - 130	1	20
Ethylbenzene	ND		625	533		ug/L		85	70 - 130	3	20
Ethylene Dibromide	ND		625	573		ug/L		92	70 - 130	1	20
Hexachlorobutadiene	ND		625	618		ug/L		99	70 - 130	0	20
Isopropyl ether	ND		625	536		ug/L		86	70 - 130	3	20
Isopropylbenzene	ND		625	515		ug/L		82	70 - 130	2	20
Methyl tert-butyl ether	ND		625	517		ug/L		83	70 - 130	0	20
Methylene Chloride	ND		625	536		ug/L		86	70 - 130	1	20
m-Xylene & p-Xylene	ND		1250	1100		ug/L		88	70 - 130	4	20
Naphthalene	ND		625	584		ug/L		93	70 - 130	1	20
n-Butylbenzene	ND		625	502		ug/L		80	70 - 130	2	20
N-Propylbenzene	ND		625	495		ug/L		79	70 - 130	3	20
o-Xylene	ND		625	566		ug/L		91	70 - 130	2	20
sec-Butylbenzene	ND		625	526		ug/L		84	70 - 130	1	20
Styrene	ND		625	545		ug/L		87	70 - 130	4	20
Tert-amyl methyl ether	ND		625	577		ug/L		92	70 - 130	1	20
Tert-butyl ethyl ether	ND		625	550		ug/L		88	70 - 130	2	20
tert-Butylbenzene	ND		625	551		ug/L		88	70 - 130	4	20

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-35387-7 MSD
Matrix: Water
Analysis Batch: 111019

Client Sample ID: MW-265M-2013 0329-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Tetrachloroethene	ND		625	632		ug/L		101	70 - 130	3	20
Tetrahydrofuran	ND		3130	2540		ug/L		81	70 - 130	2	20
Toluene	ND		625	543		ug/L		87	70 - 130	6	20
trans-1,2-Dichloroethene	ND		625	560		ug/L		90	70 - 130	5	20
trans-1,3-Dichloropropene	ND		625	471		ug/L		75	70 - 130	2	20
Trichloroethene	ND		625	564		ug/L		90	70 - 130	4	20
Trichlorofluoromethane	ND		625	537		ug/L		86	70 - 130	6	20
Vinyl chloride	ND		625	561		ug/L		86	70 - 130	5	20
Dibromomethane	ND		625	572		ug/L		91	70 - 130	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*95*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*82*		*70 - 130*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: MB 480-111112/7
Matrix: Water
Analysis Batch: 111112

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			04/05/13 12:28	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/05/13 12:28	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			04/05/13 12:28	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/05/13 12:28	1
1,1-Dichloroethane	ND		1.0		ug/L			04/05/13 12:28	1
1,1-Dichloroethene	ND		1.0		ug/L			04/05/13 12:28	1
1,1-Dichloropropene	ND		1.0		ug/L			04/05/13 12:28	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			04/05/13 12:28	1
1,2,3-Trichloropropane	ND		1.0		ug/L			04/05/13 12:28	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/05/13 12:28	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			04/05/13 12:28	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			04/05/13 12:28	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/05/13 12:28	1
1,2-Dichloroethane	ND		1.0		ug/L			04/05/13 12:28	1
1,2-Dichloropropane	ND		1.0		ug/L			04/05/13 12:28	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			04/05/13 12:28	1
1,3-Dichlorobenzene	ND		1.0		ug/L			04/05/13 12:28	1
1,3-Dichloropropane	ND		1.0		ug/L			04/05/13 12:28	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/05/13 12:28	1
1,4-Dioxane	ND		50		ug/L			04/05/13 12:28	1
2,2-Dichloropropane	ND		1.0		ug/L			04/05/13 12:28	1
2-Butanone (MEK)	ND		10		ug/L			04/05/13 12:28	1
2-Chlorotoluene	ND		1.0		ug/L			04/05/13 12:28	1
2-Hexanone	ND		10		ug/L			04/05/13 12:28	1
4-Chlorotoluene	ND		1.0		ug/L			04/05/13 12:28	1
4-Isopropyltoluene	ND		1.0		ug/L			04/05/13 12:28	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			04/05/13 12:28	1
Acetone	ND		50		ug/L			04/05/13 12:28	1

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-111112/7
Matrix: Water
Analysis Batch: 111112

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			04/05/13 12:28	1
Bromobenzene	ND		1.0		ug/L			04/05/13 12:28	1
Bromoform	ND		1.0		ug/L			04/05/13 12:28	1
Bromomethane	ND		2.0		ug/L			04/05/13 12:28	1
Carbon disulfide	ND		10		ug/L			04/05/13 12:28	1
Carbon tetrachloride	ND		1.0		ug/L			04/05/13 12:28	1
Chlorobenzene	ND		1.0		ug/L			04/05/13 12:28	1
Chlorobromomethane	ND		1.0		ug/L			04/05/13 12:28	1
Chlorodibromomethane	ND		0.50		ug/L			04/05/13 12:28	1
Chloroethane	ND		2.0		ug/L			04/05/13 12:28	1
Chloroform	ND		1.0		ug/L			04/05/13 12:28	1
Chloromethane	ND		2.0		ug/L			04/05/13 12:28	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			04/05/13 12:28	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			04/05/13 12:28	1
Dichlorobromomethane	ND		0.50		ug/L			04/05/13 12:28	1
Dichlorodifluoromethane	ND		1.0		ug/L			04/05/13 12:28	1
Ethyl ether	ND		1.0		ug/L			04/05/13 12:28	1
Ethylbenzene	ND		1.0		ug/L			04/05/13 12:28	1
Ethylene Dibromide	ND		1.0		ug/L			04/05/13 12:28	1
Hexachlorobutadiene	ND		0.40		ug/L			04/05/13 12:28	1
Isopropyl ether	ND		10		ug/L			04/05/13 12:28	1
Isopropylbenzene	ND		1.0		ug/L			04/05/13 12:28	1
Methyl tert-butyl ether	ND		1.0		ug/L			04/05/13 12:28	1
Methylene Chloride	ND		1.0		ug/L			04/05/13 12:28	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/05/13 12:28	1
Naphthalene	ND		5.0		ug/L			04/05/13 12:28	1
n-Butylbenzene	ND		1.0		ug/L			04/05/13 12:28	1
N-Propylbenzene	ND		1.0		ug/L			04/05/13 12:28	1
o-Xylene	ND		1.0		ug/L			04/05/13 12:28	1
sec-Butylbenzene	ND		1.0		ug/L			04/05/13 12:28	1
Styrene	ND		1.0		ug/L			04/05/13 12:28	1
Tert-amyl methyl ether	ND		5.0		ug/L			04/05/13 12:28	1
Tert-butyl ethyl ether	ND		5.0		ug/L			04/05/13 12:28	1
tert-Butylbenzene	ND		1.0		ug/L			04/05/13 12:28	1
Tetrachloroethene	ND		1.0		ug/L			04/05/13 12:28	1
Tetrahydrofuran	ND		10		ug/L			04/05/13 12:28	1
Toluene	ND		1.0		ug/L			04/05/13 12:28	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/05/13 12:28	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			04/05/13 12:28	1
Trichloroethene	ND		1.0		ug/L			04/05/13 12:28	1
Trichlorofluoromethane	ND		1.0		ug/L			04/05/13 12:28	1
Vinyl chloride	ND		1.0		ug/L			04/05/13 12:28	1
Dibromomethane	ND		1.0		ug/L			04/05/13 12:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*04/05/13 12:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*83*		*70 - 130*		*04/05/13 12:28*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*04/05/13 12:28*	*1*

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-111112/4
Matrix: Water
Analysis Batch: 111112

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	25.0		ug/L		100	70 - 130
1,1,1-Trichloroethane	25.0	21.2		ug/L		85	70 - 130
1,1,2,2-Tetrachloroethane	25.0	22.5		ug/L		90	70 - 130
1,1,2-Trichloroethane	25.0	24.1		ug/L		96	70 - 130
1,1-Dichloroethane	25.0	23.5		ug/L		94	70 - 130
1,1-Dichloroethene	25.0	25.7		ug/L		103	70 - 130
1,1-Dichloropropene	25.0	24.5		ug/L		98	70 - 130
1,2,3-Trichlorobenzene	25.0	27.0		ug/L		108	70 - 130
1,2,3-Trichloropropane	25.0	23.2		ug/L		93	70 - 130
1,2,4-Trichlorobenzene	25.0	27.2		ug/L		109	70 - 130
1,2,4-Trimethylbenzene	25.0	22.5		ug/L		90	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	21.6		ug/L		87	70 - 130
1,2-Dichlorobenzene	25.0	23.9		ug/L		96	70 - 130
1,2-Dichloroethane	25.0	20.5		ug/L		82	70 - 130
1,2-Dichloropropane	25.0	23.7		ug/L		95	70 - 130
1,3,5-Trimethylbenzene	25.0	22.6		ug/L		90	70 - 130
1,3-Dichlorobenzene	25.0	24.1		ug/L		96	70 - 130
1,3-Dichloropropane	25.0	23.5		ug/L		94	70 - 130
1,4-Dichlorobenzene	25.0	24.2		ug/L		97	70 - 130
1,4-Dioxane	1000	905		ug/L		90	70 - 130
2,2-Dichloropropane	25.0	21.3		ug/L		85	70 - 130
2-Butanone (MEK)	125	149		ug/L		119	70 - 130
2-Chlorotoluene	25.0	23.1		ug/L		92	70 - 130
2-Hexanone	125	101		ug/L		81	70 - 130
4-Chlorotoluene	25.0	19.4		ug/L		77	70 - 130
4-Isopropyltoluene	25.0	23.3		ug/L		93	70 - 130
4-Methyl-2-pentanone (MIBK)	125	101		ug/L		81	70 - 130
Acetone	125	97.3		ug/L		78	70 - 130
Benzene	25.0	24.2		ug/L		97	70 - 130
Bromobenzene	25.0	24.5		ug/L		98	70 - 130
Bromoform	25.0	26.3		ug/L		105	70 - 130
Bromomethane	25.0	27.3		ug/L		109	70 - 130
Carbon disulfide	25.0	23.3		ug/L		93	70 - 130
Carbon tetrachloride	25.0	22.2		ug/L		89	70 - 130
Chlorobenzene	25.0	25.0		ug/L		100	70 - 130
Chlorobromomethane	25.0	27.2		ug/L		109	70 - 130
Chlorodibromomethane	25.0	24.7		ug/L		99	70 - 130
Chloroethane	25.0	22.4		ug/L		89	70 - 130
Chloroform	25.0	22.9		ug/L		91	70 - 130
Chloromethane	25.0	27.5		ug/L		110	70 - 130
cis-1,2-Dichloroethene	25.0	25.1		ug/L		101	70 - 130
cis-1,3-Dichloropropene	25.0	24.0		ug/L		96	70 - 130
Dichlorobromomethane	25.0	22.4		ug/L		90	70 - 130
Dichlorodifluoromethane	50.0	58.9		ug/L		118	70 - 130
Ethyl ether	25.0	21.6		ug/L		87	70 - 130
Ethylbenzene	25.0	23.5		ug/L		94	70 - 130
Ethylene Dibromide	25.0	24.5		ug/L		98	70 - 130
Hexachlorobutadiene	25.0	27.0		ug/L		108	70 - 130

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-111112/4
Matrix: Water
Analysis Batch: 111112

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isopropyl ether	25.0	21.6		ug/L		86	70 - 130
Isopropylbenzene	25.0	22.5		ug/L		90	70 - 130
Methyl tert-butyl ether	25.0	23.2		ug/L		93	70 - 130
Methylene Chloride	25.0	23.4		ug/L		94	70 - 130
m-Xylene & p-Xylene	50.0	48.7		ug/L		97	70 - 130
Naphthalene	25.0	24.4		ug/L		97	70 - 130
n-Butylbenzene	25.0	21.6		ug/L		86	70 - 130
N-Propylbenzene	25.0	21.8		ug/L		87	70 - 130
o-Xylene	25.0	24.4		ug/L		97	70 - 130
sec-Butylbenzene	25.0	22.9		ug/L		91	70 - 130
Styrene	25.0	24.2		ug/L		97	70 - 130
Tert-amyl methyl ether	25.0	23.3		ug/L		93	70 - 130
Tert-butyl ethyl ether	25.0	21.9		ug/L		88	70 - 130
tert-Butylbenzene	25.0	23.5		ug/L		94	70 - 130
Tetrachloroethene	25.0	28.0		ug/L		112	70 - 130
Tetrahydrofuran	125	107		ug/L		85	70 - 130
Toluene	25.0	24.0		ug/L		96	70 - 130
trans-1,2-Dichloroethene	25.0	25.3		ug/L		101	70 - 130
trans-1,3-Dichloropropene	25.0	21.8		ug/L		87	70 - 130
Trichloroethene	25.0	24.7		ug/L		99	70 - 130
Trichlorofluoromethane	25.0	25.6		ug/L		102	70 - 130
Vinyl chloride	25.0	25.7		ug/L		103	70 - 130
Dibromomethane	25.0	24.2		ug/L		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*94*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*80*		*70 - 130*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 480-111112/5
Matrix: Water
Analysis Batch: 111112

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	25.0	24.7		ug/L		99	70 - 130	1	20
1,1,1-Trichloroethane	25.0	20.8		ug/L		83	70 - 130	2	20
1,1,2,2-Tetrachloroethane	25.0	22.9		ug/L		92	70 - 130	2	20
1,1,2-Trichloroethane	25.0	23.6		ug/L		94	70 - 130	2	20
1,1-Dichloroethane	25.0	22.3		ug/L		89	70 - 130	5	20
1,1-Dichloroethene	25.0	24.3		ug/L		97	70 - 130	6	20
1,1-Dichloropropene	25.0	23.2		ug/L		93	70 - 130	5	20
1,2,3-Trichlorobenzene	25.0	27.5		ug/L		110	70 - 130	2	20
1,2,3-Trichloropropane	25.0	23.3		ug/L		93	70 - 130	1	20
1,2,4-Trichlorobenzene	25.0	27.1		ug/L		108	70 - 130	0	20
1,2,4-Trimethylbenzene	25.0	22.0		ug/L		88	70 - 130	2	20
1,2-Dibromo-3-Chloropropane	25.0	22.3		ug/L		89	70 - 130	3	20
1,2-Dichlorobenzene	25.0	24.2		ug/L		97	70 - 130	1	20
1,2-Dichloroethane	25.0	20.5		ug/L		82	70 - 130	0	20

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-111112/5
Matrix: Water
Analysis Batch: 111112

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloropropane	25.0	23.0		ug/L		92	70 - 130	3	20
1,3,5-Trimethylbenzene	25.0	22.0		ug/L		88	70 - 130	2	20
1,3-Dichlorobenzene	25.0	24.2		ug/L		97	70 - 130	0	20
1,3-Dichloropropane	25.0	23.0		ug/L		92	70 - 130	2	20
1,4-Dichlorobenzene	25.0	23.6		ug/L		94	70 - 130	3	20
1,4-Dioxane	1000	909		ug/L		91	70 - 130	0	20
2,2-Dichloropropane	25.0	20.7		ug/L		83	70 - 130	3	20
2-Butanone (MEK)	125	150		ug/L		120	70 - 130	1	20
2-Chlorotoluene	25.0	22.7		ug/L		91	70 - 130	2	20
2-Hexanone	125	101		ug/L		81	70 - 130	0	20
4-Chlorotoluene	25.0	19.1		ug/L		77	70 - 130	1	20
4-Isopropyltoluene	25.0	22.7		ug/L		91	70 - 130	3	20
4-Methyl-2-pentanone (MIBK)	125	100		ug/L		80	70 - 130	1	20
Acetone	125	96.7		ug/L		77	70 - 130	1	20
Benzene	25.0	23.2		ug/L		93	70 - 130	4	20
Bromobenzene	25.0	24.2		ug/L		97	70 - 130	1	20
Bromoform	25.0	26.3		ug/L		105	70 - 130	0	20
Bromomethane	25.0	26.6		ug/L		106	70 - 130	3	20
Carbon disulfide	25.0	22.6		ug/L		90	70 - 130	3	20
Carbon tetrachloride	25.0	21.7		ug/L		87	70 - 130	2	20
Chlorobenzene	25.0	24.4		ug/L		97	70 - 130	3	20
Chlorobromomethane	25.0	26.2		ug/L		105	70 - 130	4	20
Chlorodibromomethane	25.0	24.6		ug/L		98	70 - 130	0	20
Chloroethane	25.0	22.2		ug/L		89	70 - 130	1	20
Chloroform	25.0	22.3		ug/L		89	70 - 130	2	20
Chloromethane	25.0	26.4		ug/L		105	70 - 130	4	20
cis-1,2-Dichloroethene	25.0	24.6		ug/L		98	70 - 130	2	20
cis-1,3-Dichloropropene	25.0	23.5		ug/L		94	70 - 130	2	20
Dichlorobromomethane	25.0	22.2		ug/L		89	70 - 130	1	20
Dichlorodifluoromethane	50.0	55.3		ug/L		111	70 - 130	6	20
Ethyl ether	25.0	21.8		ug/L		87	70 - 130	1	20
Ethylbenzene	25.0	22.6		ug/L		90	70 - 130	4	20
Ethylene Dibromide	25.0	24.3		ug/L		97	70 - 130	1	20
Hexachlorobutadiene	25.0	27.4		ug/L		110	70 - 130	2	20
Isopropyl ether	25.0	20.7		ug/L		83	70 - 130	4	20
Isopropylbenzene	25.0	21.8		ug/L		87	70 - 130	3	20
Methyl tert-butyl ether	25.0	22.8		ug/L		91	70 - 130	1	20
Methylene Chloride	25.0	23.1		ug/L		92	70 - 130	1	20
m-Xylene & p-Xylene	50.0	46.9		ug/L		94	70 - 130	4	20
Naphthalene	25.0	25.3		ug/L		101	70 - 130	4	20
n-Butylbenzene	25.0	21.3		ug/L		85	70 - 130	1	20
N-Propylbenzene	25.0	21.2		ug/L		85	70 - 130	3	20
o-Xylene	25.0	23.5		ug/L		94	70 - 130	4	20
sec-Butylbenzene	25.0	22.0		ug/L		88	70 - 130	4	20
Styrene	25.0	23.7		ug/L		95	70 - 130	2	20
Tert-amyl methyl ether	25.0	23.0		ug/L		92	70 - 130	1	20
Tert-butyl ethyl ether	25.0	21.6		ug/L		86	70 - 130	2	20
tert-Butylbenzene	25.0	23.9		ug/L		96	70 - 130	2	20

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-111112/5
Matrix: Water
Analysis Batch: 111112

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Tetrachloroethene			25.0	27.1		ug/L		108	70 - 130	3	20
Tetrahydrofuran			125	107		ug/L		85	70 - 130	0	20
Toluene			25.0	23.5		ug/L		94	70 - 130	2	20
trans-1,2-Dichloroethene			25.0	24.1		ug/L		96	70 - 130	5	20
trans-1,3-Dichloropropene			25.0	21.7		ug/L		87	70 - 130	0	20
Trichloroethene			25.0	23.5		ug/L		94	70 - 130	5	20
Trichlorofluoromethane			25.0	24.7		ug/L		99	70 - 130	3	20
Vinyl chloride			25.0	24.5		ug/L		98	70 - 130	5	20
Dibromomethane			25.0	24.6		ug/L		98	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*94*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*80*		*70 - 130*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: MB 480-111260/7
Matrix: Water
Analysis Batch: 111260

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			04/05/13 23:35	1
1,1,1-Trichloroethane	ND		1.0		ug/L			04/05/13 23:35	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			04/05/13 23:35	1
1,1,2-Trichloroethane	ND		1.0		ug/L			04/05/13 23:35	1
1,1-Dichloroethane	ND		1.0		ug/L			04/05/13 23:35	1
1,1-Dichloroethene	ND		1.0		ug/L			04/05/13 23:35	1
1,1-Dichloropropene	ND		1.0		ug/L			04/05/13 23:35	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			04/05/13 23:35	1
1,2,3-Trichloropropane	ND		1.0		ug/L			04/05/13 23:35	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			04/05/13 23:35	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			04/05/13 23:35	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			04/05/13 23:35	1
1,2-Dichlorobenzene	ND		1.0		ug/L			04/05/13 23:35	1
1,2-Dichloroethane	ND		1.0		ug/L			04/05/13 23:35	1
1,2-Dichloropropane	ND		1.0		ug/L			04/05/13 23:35	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			04/05/13 23:35	1
1,3-Dichlorobenzene	ND		1.0		ug/L			04/05/13 23:35	1
1,3-Dichloropropane	ND		1.0		ug/L			04/05/13 23:35	1
1,4-Dichlorobenzene	ND		1.0		ug/L			04/05/13 23:35	1
1,4-Dioxane	ND		50		ug/L			04/05/13 23:35	1
2,2-Dichloropropane	ND		1.0		ug/L			04/05/13 23:35	1
2-Butanone (MEK)	ND		10		ug/L			04/05/13 23:35	1
2-Chlorotoluene	ND		1.0		ug/L			04/05/13 23:35	1
2-Hexanone	ND		10		ug/L			04/05/13 23:35	1
4-Chlorotoluene	ND		1.0		ug/L			04/05/13 23:35	1
4-Isopropyltoluene	ND		1.0		ug/L			04/05/13 23:35	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			04/05/13 23:35	1
Acetone	ND		50		ug/L			04/05/13 23:35	1

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-111260/7
Matrix: Water
Analysis Batch: 111260

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			04/05/13 23:35	1
Bromobenzene	ND		1.0		ug/L			04/05/13 23:35	1
Bromoform	ND		1.0		ug/L			04/05/13 23:35	1
Bromomethane	ND		2.0		ug/L			04/05/13 23:35	1
Carbon disulfide	ND		10		ug/L			04/05/13 23:35	1
Carbon tetrachloride	ND		1.0		ug/L			04/05/13 23:35	1
Chlorobenzene	ND		1.0		ug/L			04/05/13 23:35	1
Chlorobromomethane	ND		1.0		ug/L			04/05/13 23:35	1
Chlorodibromomethane	ND		0.50		ug/L			04/05/13 23:35	1
Chloroethane	ND		2.0		ug/L			04/05/13 23:35	1
Chloroform	ND		1.0		ug/L			04/05/13 23:35	1
Chloromethane	ND		2.0		ug/L			04/05/13 23:35	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			04/05/13 23:35	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			04/05/13 23:35	1
Dichlorobromomethane	ND		0.50		ug/L			04/05/13 23:35	1
Dichlorodifluoromethane	ND		1.0		ug/L			04/05/13 23:35	1
Ethyl ether	ND		1.0		ug/L			04/05/13 23:35	1
Ethylbenzene	ND		1.0		ug/L			04/05/13 23:35	1
Ethylene Dibromide	ND		1.0		ug/L			04/05/13 23:35	1
Hexachlorobutadiene	ND		0.40		ug/L			04/05/13 23:35	1
Isopropyl ether	ND		10		ug/L			04/05/13 23:35	1
Isopropylbenzene	ND		1.0		ug/L			04/05/13 23:35	1
Methyl tert-butyl ether	ND		1.0		ug/L			04/05/13 23:35	1
Methylene Chloride	ND		1.0		ug/L			04/05/13 23:35	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/05/13 23:35	1
Naphthalene	ND		5.0		ug/L			04/05/13 23:35	1
n-Butylbenzene	ND		1.0		ug/L			04/05/13 23:35	1
N-Propylbenzene	ND		1.0		ug/L			04/05/13 23:35	1
o-Xylene	ND		1.0		ug/L			04/05/13 23:35	1
sec-Butylbenzene	ND		1.0		ug/L			04/05/13 23:35	1
Styrene	ND		1.0		ug/L			04/05/13 23:35	1
Tert-amyl methyl ether	ND		5.0		ug/L			04/05/13 23:35	1
Tert-butyl ethyl ether	ND		5.0		ug/L			04/05/13 23:35	1
tert-Butylbenzene	ND		1.0		ug/L			04/05/13 23:35	1
Tetrachloroethene	ND		1.0		ug/L			04/05/13 23:35	1
Tetrahydrofuran	ND		10		ug/L			04/05/13 23:35	1
Toluene	ND		1.0		ug/L			04/05/13 23:35	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			04/05/13 23:35	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			04/05/13 23:35	1
Trichloroethene	ND		1.0		ug/L			04/05/13 23:35	1
Trichlorofluoromethane	ND		1.0		ug/L			04/05/13 23:35	1
Vinyl chloride	ND		1.0		ug/L			04/05/13 23:35	1
Dibromomethane	ND		1.0		ug/L			04/05/13 23:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*04/05/13 23:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*81*		*70 - 130*		*04/05/13 23:35*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*04/05/13 23:35*	*1*

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-111260/4
Matrix: Water
Analysis Batch: 111260

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	23.6		ug/L		94	70 - 130
1,1,1-Trichloroethane	25.0	20.7		ug/L		83	70 - 130
1,1,2,2-Tetrachloroethane	25.0	22.0		ug/L		88	70 - 130
1,1,2-Trichloroethane	25.0	22.6		ug/L		91	70 - 130
1,1-Dichloroethane	25.0	22.1		ug/L		88	70 - 130
1,1-Dichloroethene	25.0	24.2		ug/L		97	70 - 130
1,1-Dichloropropene	25.0	23.1		ug/L		92	70 - 130
1,2,3-Trichlorobenzene	25.0	25.8		ug/L		103	70 - 130
1,2,3-Trichloropropane	25.0	22.4		ug/L		89	70 - 130
1,2,4-Trichlorobenzene	25.0	25.8		ug/L		103	70 - 130
1,2,4-Trimethylbenzene	25.0	21.5		ug/L		86	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	20.5		ug/L		82	70 - 130
1,2-Dichlorobenzene	25.0	23.2		ug/L		93	70 - 130
1,2-Dichloroethane	25.0	19.4		ug/L		77	70 - 130
1,2-Dichloropropane	25.0	22.5		ug/L		90	70 - 130
1,3,5-Trimethylbenzene	25.0	21.5		ug/L		86	70 - 130
1,3-Dichlorobenzene	25.0	23.0		ug/L		92	70 - 130
1,3-Dichloropropane	25.0	21.6		ug/L		87	70 - 130
1,4-Dichlorobenzene	25.0	23.1		ug/L		92	70 - 130
1,4-Dioxane	1000	1120		ug/L		112	70 - 130
2,2-Dichloropropane	25.0	20.8		ug/L		83	70 - 130
2-Butanone (MEK)	125	141		ug/L		113	70 - 130
2-Chlorotoluene	25.0	22.3		ug/L		89	70 - 130
2-Hexanone	125	89.9		ug/L		72	70 - 130
4-Chlorotoluene	25.0	18.6		ug/L		75	70 - 130
4-Isopropyltoluene	25.0	22.4		ug/L		90	70 - 130
4-Methyl-2-pentanone (MIBK)	125	91.8		ug/L		73	70 - 130
Acetone	125	83.6	*	ug/L		67	70 - 130
Benzene	25.0	22.8		ug/L		91	70 - 130
Bromobenzene	25.0	23.3		ug/L		93	70 - 130
Bromoform	25.0	24.4		ug/L		97	70 - 130
Bromomethane	25.0	23.8		ug/L		95	70 - 130
Carbon disulfide	25.0	22.1		ug/L		88	70 - 130
Carbon tetrachloride	25.0	21.6		ug/L		86	70 - 130
Chlorobenzene	25.0	23.6		ug/L		94	70 - 130
Chlorobromomethane	25.0	26.4		ug/L		106	70 - 130
Chlorodibromomethane	25.0	23.5		ug/L		94	70 - 130
Chloroethane	25.0	20.9		ug/L		83	70 - 130
Chloroform	25.0	21.4		ug/L		85	70 - 130
Chloromethane	25.0	25.8		ug/L		103	70 - 130
cis-1,2-Dichloroethene	25.0	24.2		ug/L		97	70 - 130
cis-1,3-Dichloropropene	25.0	22.3		ug/L		89	70 - 130
Dichlorobromomethane	25.0	21.6		ug/L		86	70 - 130
Dichlorodifluoromethane	50.0	71.2	*	ug/L		142	70 - 130
Ethyl ether	25.0	23.3		ug/L		93	70 - 130
Ethylbenzene	25.0	21.9		ug/L		88	70 - 130
Ethylene Dibromide	25.0	22.6		ug/L		90	70 - 130
Hexachlorobutadiene	25.0	26.3		ug/L		105	70 - 130

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-111260/4
Matrix: Water
Analysis Batch: 111260

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isopropyl ether	25.0	22.5		ug/L		90	70 - 130
Isopropylbenzene	25.0	21.7		ug/L		87	70 - 130
Methyl tert-butyl ether	25.0	21.8		ug/L		87	70 - 130
Methylene Chloride	25.0	21.9		ug/L		88	70 - 130
m-Xylene & p-Xylene	50.0	45.6		ug/L		91	70 - 130
Naphthalene	25.0	23.2		ug/L		93	70 - 130
n-Butylbenzene	25.0	21.5		ug/L		86	70 - 130
N-Propylbenzene	25.0	20.8		ug/L		83	70 - 130
o-Xylene	25.0	22.9		ug/L		92	70 - 130
sec-Butylbenzene	25.0	22.0		ug/L		88	70 - 130
Styrene	25.0	22.5		ug/L		90	70 - 130
Tert-amyl methyl ether	25.0	22.8		ug/L		91	70 - 130
Tert-butyl ethyl ether	25.0	21.9		ug/L		88	70 - 130
tert-Butylbenzene	25.0	23.4		ug/L		94	70 - 130
Tetrachloroethene	25.0	27.0		ug/L		108	70 - 130
Tetrahydrofuran	125	97.0		ug/L		78	70 - 130
Toluene	25.0	23.0		ug/L		92	70 - 130
trans-1,2-Dichloroethene	25.0	24.1		ug/L		96	70 - 130
trans-1,3-Dichloropropene	25.0	20.6		ug/L		83	70 - 130
Trichloroethene	25.0	23.9		ug/L		96	70 - 130
Trichlorofluoromethane	25.0	24.0		ug/L		96	70 - 130
Vinyl chloride	25.0	25.3		ug/L		101	70 - 130
Dibromomethane	25.0	23.2		ug/L		93	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*93*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*79*		*70 - 130*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 480-111260/5
Matrix: Water
Analysis Batch: 111260

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	25.0	23.6		ug/L		94	70 - 130	0	20
1,1,1-Trichloroethane	25.0	20.3		ug/L		81	70 - 130	2	20
1,1,2,2-Tetrachloroethane	25.0	21.9		ug/L		88	70 - 130	0	20
1,1,2-Trichloroethane	25.0	22.9		ug/L		92	70 - 130	1	20
1,1-Dichloroethane	25.0	21.6		ug/L		86	70 - 130	2	20
1,1-Dichloroethene	25.0	23.2		ug/L		93	70 - 130	4	20
1,1-Dichloropropene	25.0	22.7		ug/L		91	70 - 130	2	20
1,2,3-Trichlorobenzene	25.0	25.9		ug/L		104	70 - 130	0	20
1,2,3-Trichloropropane	25.0	22.9		ug/L		92	70 - 130	2	20
1,2,4-Trichlorobenzene	25.0	26.7		ug/L		107	70 - 130	3	20
1,2,4-Trimethylbenzene	25.0	21.3		ug/L		85	70 - 130	1	20
1,2-Dibromo-3-Chloropropane	25.0	20.7		ug/L		83	70 - 130	1	20
1,2-Dichlorobenzene	25.0	23.4		ug/L		94	70 - 130	1	20
1,2-Dichloroethane	25.0	19.0		ug/L		76	70 - 130	2	20

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-111260/5
Matrix: Water
Analysis Batch: 111260

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloropropane	25.0	21.8		ug/L		87	70 - 130	3	20
1,3,5-Trimethylbenzene	25.0	21.0		ug/L		84	70 - 130	2	20
1,3-Dichlorobenzene	25.0	23.1		ug/L		92	70 - 130	0	20
1,3-Dichloropropane	25.0	21.8		ug/L		87	70 - 130	1	20
1,4-Dichlorobenzene	25.0	23.4		ug/L		94	70 - 130	2	20
1,4-Dioxane	1000	1280		ug/L		128	70 - 130	14	20
2,2-Dichloropropane	25.0	20.8		ug/L		83	70 - 130	0	20
2-Butanone (MEK)	125	146		ug/L		117	70 - 130	3	20
2-Chlorotoluene	25.0	22.0		ug/L		88	70 - 130	1	20
2-Hexanone	125	93.5		ug/L		75	70 - 130	4	20
4-Chlorotoluene	25.0	18.5		ug/L		74	70 - 130	1	20
4-Isopropyltoluene	25.0	22.1		ug/L		89	70 - 130	1	20
4-Methyl-2-pentanone (MIBK)	125	93.6		ug/L		75	70 - 130	2	20
Acetone	125	73.3	*	ug/L		59	70 - 130	13	20
Benzene	25.0	22.6		ug/L		91	70 - 130	1	20
Bromobenzene	25.0	23.1		ug/L		92	70 - 130	1	20
Bromoform	25.0	25.1		ug/L		100	70 - 130	3	20
Bromomethane	25.0	24.6		ug/L		98	70 - 130	3	20
Carbon disulfide	25.0	21.8		ug/L		87	70 - 130	2	20
Carbon tetrachloride	25.0	21.7		ug/L		87	70 - 130	1	20
Chlorobenzene	25.0	23.5		ug/L		94	70 - 130	0	20
Chlorobromomethane	25.0	25.4		ug/L		102	70 - 130	4	20
Chlorodibromomethane	25.0	23.8		ug/L		95	70 - 130	2	20
Chloroethane	25.0	20.2		ug/L		81	70 - 130	3	20
Chloroform	25.0	21.3		ug/L		85	70 - 130	0	20
Chloromethane	25.0	25.1		ug/L		101	70 - 130	2	20
cis-1,2-Dichloroethene	25.0	23.4		ug/L		94	70 - 130	3	20
cis-1,3-Dichloropropene	25.0	22.5		ug/L		90	70 - 130	1	20
Dichlorobromomethane	25.0	21.1		ug/L		85	70 - 130	2	20
Dichlorodifluoromethane	50.0	68.8	*	ug/L		138	70 - 130	3	20
Ethyl ether	25.0	23.1		ug/L		92	70 - 130	1	20
Ethylbenzene	25.0	21.8		ug/L		87	70 - 130	0	20
Ethylene Dibromide	25.0	23.2		ug/L		93	70 - 130	3	20
Hexachlorobutadiene	25.0	26.7		ug/L		107	70 - 130	2	20
Isopropyl ether	25.0	22.9		ug/L		92	70 - 130	2	20
Isopropylbenzene	25.0	21.3		ug/L		85	70 - 130	2	20
Methyl tert-butyl ether	25.0	21.5		ug/L		86	70 - 130	2	20
Methylene Chloride	25.0	22.5		ug/L		90	70 - 130	2	20
m-Xylene & p-Xylene	50.0	46.1		ug/L		92	70 - 130	1	20
Naphthalene	25.0	24.1		ug/L		97	70 - 130	4	20
n-Butylbenzene	25.0	20.7		ug/L		83	70 - 130	4	20
N-Propylbenzene	25.0	20.6		ug/L		82	70 - 130	1	20
o-Xylene	25.0	23.2		ug/L		93	70 - 130	1	20
sec-Butylbenzene	25.0	21.3		ug/L		85	70 - 130	3	20
Styrene	25.0	22.7		ug/L		91	70 - 130	1	20
Tert-amyl methyl ether	25.0	23.5		ug/L		94	70 - 130	3	20
Tert-butyl ethyl ether	25.0	21.7		ug/L		87	70 - 130	1	20
tert-Butylbenzene	25.0	23.0		ug/L		92	70 - 130	2	20

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-111260/5
Matrix: Water
Analysis Batch: 111260

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Tetrachloroethene			25.0	26.7		ug/L		107	70 - 130	1	20
Tetrahydrofuran			125	99.1		ug/L		79	70 - 130	2	20
Toluene			25.0	22.8		ug/L		91	70 - 130	1	20
trans-1,2-Dichloroethene			25.0	24.0		ug/L		96	70 - 130	0	20
trans-1,3-Dichloropropene			25.0	21.0		ug/L		84	70 - 130	2	20
Trichloroethene			25.0	23.6		ug/L		94	70 - 130	2	20
Trichlorofluoromethane			25.0	24.4		ug/L		97	70 - 130	2	20
Vinyl chloride			25.0	24.5		ug/L		98	70 - 130	3	20
Dibromomethane			25.0	23.0		ug/L		92	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*94*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*79*		*70 - 130*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*

GC/MS VOA

Analysis Batch: 110641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-35387-3	MW-261S-2013 0401	Total/NA	Water	8260B SIM	
480-35387-7	MW-265M-2013 0329-01	Total/NA	Water	8260B SIM	
480-35387-9	MW-266Ma-2013 0329-01	Total/NA	Water	8260B SIM	
480-35387-11	MW-267S-2013 0329-01	Total/NA	Water	8260B SIM	
480-35387-13	MW-268M-2013 0329-01	Total/NA	Water	8260B SIM	
480-35387-15	MW-269Ma-2013 0329-01	Total/NA	Water	8260B SIM	
480-35387-17	MW-552-2013 0329-01	Total/NA	Water	8260B SIM	
480-35387-34	DUPX2-2013 0329-01	Total/NA	Water	8260B SIM	
480-35387-36	Trip Blank	Total/NA	Water	8260B SIM	
LCS 480-110641/3	Lab Control Sample	Total/NA	Water	8260B SIM	
LCSD 480-110641/4	Lab Control Sample Dup	Total/NA	Water	8260B SIM	
MB 480-110641/5	Method Blank	Total/NA	Water	8260B SIM	

Analysis Batch: 110854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-35387-1	DEP-19M-2013 0401-01	Total/NA	Water	8260C	
480-35387-2	DEP-21-2013 0401-01	Total/NA	Water	8260C	
480-35387-3	MW-261S-2013 0401	Total/NA	Water	8260C	
480-35387-4	MW-263M-2013 0401	Total/NA	Water	8260C	
480-35387-5	MW-264M-2013 0401	Total/NA	Water	8260C	
480-35387-7	MW-265M-2013 0329-01	Total/NA	Water	8260C	
480-35387-8	MW-265D-2013 0401-01	Total/NA	Water	8260C	
480-35387-9	MW-266Ma-2013 0329-01	Total/NA	Water	8260C	
480-35387-12	MW-267M-2013 0329-01	Total/NA	Water	8260C	
480-35387-14	MW-268D-2013 0401	Total/NA	Water	8260C	
480-35387-15	MW-269Ma-2013 0329-01	Total/NA	Water	8260C	
480-35387-16	MW-551-2013 0329-01	Total/NA	Water	8260C	
480-35387-18	MW-553-2013 0329-01	Total/NA	Water	8260C	
480-35387-19	MW-560-2013 0329-01	Total/NA	Water	8260C	
LCS 480-110854/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-110854/5	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 480-110854/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 111019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-35387-6	MW-265S-2013 0401	Total/NA	Water	8260C	
480-35387-7 - DL	MW-265M-2013 0329-01	Total/NA	Water	8260C	
480-35387-7 MS	MW-265M-2013 0329-01	Total/NA	Water	8260C	
480-35387-7 MSD	MW-265M-2013 0329-01	Total/NA	Water	8260C	
480-35387-10	MW-266Mb-2013 0401-01	Total/NA	Water	8260C	
480-35387-11	MW-267S-2013 0329-01	Total/NA	Water	8260C	
480-35387-12 - DL	MW-267M-2013 0329-01	Total/NA	Water	8260C	
480-35387-13	MW-268M-2013 0329-01	Total/NA	Water	8260C	
480-35387-16 - DL	MW-551-2013 0329-01	Total/NA	Water	8260C	
480-35387-17	MW-552-2013 0329-01	Total/NA	Water	8260C	
480-35387-18 - DL	MW-553-2013 0329-01	Total/NA	Water	8260C	
480-35387-22	MW-563-2013 0329-01	Total/NA	Water	8260C	
480-35387-23	REW-1-2013 0328-01	Total/NA	Water	8260C	
480-35387-24	REW-4-2013 0328-01	Total/NA	Water	8260C	
480-35387-25	REW-5-2013 0328-01	Total/NA	Water	8260C	
480-35387-26	REW-6-2013 0329-01	Total/NA	Water	8260C	

GC/MS VOA (Continued)

Analysis Batch: 111019 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-35387-27	REW-7-2013 0401-01	Total/NA	Water	8260C	
480-35387-28	REW-8-2013 0328-01	Total/NA	Water	8260C	
LCS 480-111019/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-111019/5	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 480-111019/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 111112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-35387-20	MW-561-2013 0329-01	Total/NA	Water	8260C	
480-35387-21	MW-562-2013 0329-01	Total/NA	Water	8260C	
480-35387-24 - DL	REW-4-2013 0328-01	Total/NA	Water	8260C	
480-35387-29	REW-9-2013 0328-01	Total/NA	Water	8260C	
480-35387-30	REW-10-2013 0328-01	Total/NA	Water	8260C	
480-35387-31	REW-11-2013 0329-01	Total/NA	Water	8260C	
480-35387-32	REW-12-2013 0328-01	Total/NA	Water	8260C	
480-35387-36	Trip Blank	Total/NA	Water	8260C	
LCS 480-111112/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-111112/5	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 480-111112/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 111260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-35387-31 - DL	REW-11-2013 0329-01	Total/NA	Water	8260C	
480-35387-32 - DL	REW-12-2013 0328-01	Total/NA	Water	8260C	
480-35387-33	DUPX1-2013 0328-01	Total/NA	Water	8260C	
480-35387-34	DUPX2-2013 0329-01	Total/NA	Water	8260C	
480-35387-35	DUPX3-2013 0401-01	Total/NA	Water	8260C	
LCS 480-111260/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-111260/5	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 480-111260/7	Method Blank	Total/NA	Water	8260C	

Client Sample ID: DEP-19M-2013 0401-01 — **Lab Sample ID: 480-35387-1**
Date Collected: 04/01/13 12:40 — **Matrix: Water**
Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	110854	04/04/13 12:37	RL	TAL BUF

Client Sample ID: DEP-21-2013 0401-01 — **Lab Sample ID: 480-35387-2**
Date Collected: 04/01/13 12:00 — **Matrix: Water**
Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	110854	04/04/13 13:01	RL	TAL BUF

Client Sample ID: MW-261S-2013 0401 — **Lab Sample ID: 480-35387-3**
Date Collected: 04/01/13 08:35 — **Matrix: Water**
Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B SIM		4	110641	04/03/13 16:20	TRB	TAL BUF
Total/NA	Analysis	8260C		200	110854	04/04/13 13:25	RL	TAL BUF

Client Sample ID: MW-263M-2013 0401 — **Lab Sample ID: 480-35387-4**
Date Collected: 04/01/13 10:55 — **Matrix: Water**
Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	110854	04/04/13 13:48	RL	TAL BUF

Client Sample ID: MW-264M-2013 0401 — **Lab Sample ID: 480-35387-5**
Date Collected: 04/01/13 10:20 — **Matrix: Water**
Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	110854	04/04/13 14:12	RL	TAL BUF

Client Sample ID: MW-265S-2013 0401 — **Lab Sample ID: 480-35387-6**
Date Collected: 04/01/13 10:20 — **Matrix: Water**
Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	111019	04/05/13 00:33	LH	TAL BUF

Client Sample ID: MW-265M-2013 0329-01 — **Lab Sample ID: 480-35387-7**
Date Collected: 03/29/13 11:30 — **Matrix: Water**
Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B SIM		4	110641	04/03/13 16:44	TRB	TAL BUF
Total/NA	Analysis	8260C		10	110854	04/04/13 15:00	RL	TAL BUF
Total/NA	Analysis	8260C	DL	25	111019	04/05/13 00:57	LH	TAL BUF

Client Sample ID: MW-265D-2013 0401-01 — **Lab Sample ID: 480-35387-8**
Date Collected: 04/01/13 11:35 — **Matrix: Water**
Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	110854	04/04/13 15:23	RL	TAL BUF

Client Sample ID: MW-266Ma-2013 0329-01 — **Lab Sample ID: 480-35387-9**
Date Collected: 03/29/13 14:05 — **Matrix: Water**
Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B SIM		1	110641	04/03/13 17:08	TRB	TAL BUF
Total/NA	Analysis	8260C		1	110854	04/04/13 15:47	RL	TAL BUF

Client Sample ID: MW-266Mb-2013 0401-01 — **Lab Sample ID: 480-35387-10**
Date Collected: 04/01/13 12:25 — **Matrix: Water**
Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	111019	04/05/13 01:21	LH	TAL BUF

Client Sample ID: MW-267S-2013 0329-01 — **Lab Sample ID: 480-35387-11**
Date Collected: 03/29/13 14:50 — **Matrix: Water**
Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B SIM		1	110641	04/03/13 17:32	TRB	TAL BUF
Total/NA	Analysis	8260C		5	111019	04/05/13 01:45	LH	TAL BUF

Client Sample ID: MW-267M-2013 0329-01 — **Lab Sample ID: 480-35387-12**
Date Collected: 03/29/13 14:15 — **Matrix: Water**
Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	110854	04/04/13 16:58	RL	TAL BUF
Total/NA	Analysis	8260C	DL	10	111019	04/05/13 02:08	LH	TAL BUF

Client Sample ID: MW-268M-2013 0329-01

Lab Sample ID: 480-35387-13

Date Collected: 03/29/13 08:35

Matrix: Water

Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B SIM		1	110641	04/03/13 17:56	TRB	TAL BUF
Total/NA	Analysis	8260C		25	111019	04/05/13 02:32	LH	TAL BUF

Client Sample ID: MW-268D-2013 0401

Lab Sample ID: 480-35387-14

Date Collected: 04/01/13 09:25

Matrix: Water

Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	110854	04/04/13 17:46	RL	TAL BUF

Client Sample ID: MW-269Ma-2013 0329-01

Lab Sample ID: 480-35387-15

Date Collected: 03/29/13 12:03

Matrix: Water

Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B SIM		1	110641	04/03/13 18:20	TRB	TAL BUF
Total/NA	Analysis	8260C		1	110854	04/04/13 18:10	RL	TAL BUF

Client Sample ID: MW-551-2013 0329-01

Lab Sample ID: 480-35387-16

Date Collected: 03/29/13 13:25

Matrix: Water

Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	110854	04/04/13 18:34	RL	TAL BUF
Total/NA	Analysis	8260C	DL	400	111019	04/05/13 02:56	LH	TAL BUF

Client Sample ID: MW-552-2013 0329-01

Lab Sample ID: 480-35387-17

Date Collected: 03/29/13 09:35

Matrix: Water

Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B SIM		2	110641	04/03/13 18:44	TRB	TAL BUF
Total/NA	Analysis	8260C		8	111019	04/05/13 03:20	LH	TAL BUF

Client Sample ID: MW-553-2013 0329-01

Lab Sample ID: 480-35387-18

Date Collected: 03/29/13 10:40

Matrix: Water

Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		200	110854	04/04/13 19:21	RL	TAL BUF
Total/NA	Analysis	8260C	DL	400	111019	04/05/13 03:43	LH	TAL BUF

Client Sample ID: MW-560-2013 0329-01 — **Lab Sample ID: 480-35387-19**
Date Collected: 03/29/13 10:35 — **Matrix: Water**
Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	110854	04/04/13 19:45	RL	TAL BUF

Client Sample ID: MW-561-2013 0329-01 — **Lab Sample ID: 480-35387-20**
Date Collected: 03/29/13 10:15 — **Matrix: Water**
Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	111112	04/05/13 13:03	RL	TAL BUF

Client Sample ID: MW-562-2013 0329-01 — **Lab Sample ID: 480-35387-21**
Date Collected: 03/29/13 12:30 — **Matrix: Water**
Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	111112	04/05/13 13:27	RL	TAL BUF

Client Sample ID: MW-563-2013 0329-01 — **Lab Sample ID: 480-35387-22**
Date Collected: 03/29/13 09:35 — **Matrix: Water**
Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	111019	04/05/13 04:55	LH	TAL BUF

Client Sample ID: REW-1-2013 0328-01 — **Lab Sample ID: 480-35387-23**
Date Collected: 03/28/13 12:25 — **Matrix: Water**
Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	111019	04/05/13 05:18	LH	TAL BUF

Client Sample ID: REW-4-2013 0328-01 — **Lab Sample ID: 480-35387-24**
Date Collected: 03/28/13 13:25 — **Matrix: Water**
Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	111019	04/05/13 05:42	LH	TAL BUF
Total/NA	Analysis	8260C	DL	10	111112	04/05/13 13:51	RL	TAL BUF

Client Sample ID: REW-5-2013 0328-01 — **Lab Sample ID: 480-35387-25**
Date Collected: 03/28/13 14:00 — **Matrix: Water**
Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	111019	04/05/13 06:06	LH	TAL BUF

Client Sample ID: REW-6-2013 0329-01 — **Lab Sample ID: 480-35387-26**
Date Collected: 03/29/13 07:35 — **Matrix: Water**
Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	111019	04/05/13 06:30	LH	TAL BUF

Client Sample ID: REW-7-2013 0401-01 — **Lab Sample ID: 480-35387-27**
Date Collected: 04/01/13 09:55 — **Matrix: Water**
Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	111019	04/05/13 06:53	LH	TAL BUF

Client Sample ID: REW-8-2013 0328-01 — **Lab Sample ID: 480-35387-28**
Date Collected: 03/28/13 08:55 — **Matrix: Water**
Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	111019	04/05/13 07:17	LH	TAL BUF

Client Sample ID: REW-9-2013 0328-01 — **Lab Sample ID: 480-35387-29**
Date Collected: 03/28/13 10:30 — **Matrix: Water**
Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	111112	04/05/13 14:15	RL	TAL BUF

Client Sample ID: REW-10-2013 0328-01 — **Lab Sample ID: 480-35387-30**
Date Collected: 03/28/13 09:45 — **Matrix: Water**
Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	111112	04/05/13 14:39	RL	TAL BUF

Client Sample ID: REW-11-2013 0329-01

Lab Sample ID: 480-35387-31

Date Collected: 03/29/13 08:05

Matrix: Water

Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	111112	04/05/13 15:03	RL	TAL BUF
Total/NA	Analysis	8260C	DL	25	111260	04/06/13 00:14	RL	TAL BUF

Client Sample ID: REW-12-2013 0328-01

Lab Sample ID: 480-35387-32

Date Collected: 03/28/13 11:50

Matrix: Water

Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	111112	04/05/13 15:26	RL	TAL BUF
Total/NA	Analysis	8260C	DL	4	111260	04/06/13 00:38	RL	TAL BUF

Client Sample ID: DUPX1-2013 0328-01

Lab Sample ID: 480-35387-33

Date Collected: 03/28/13 00:00

Matrix: Water

Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	111260	04/06/13 01:02	RL	TAL BUF

Client Sample ID: DUPX2-2013 0329-01

Lab Sample ID: 480-35387-34

Date Collected: 03/29/13 00:00

Matrix: Water

Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B SIM		1	110641	04/03/13 19:09	TRB	TAL BUF
Total/NA	Analysis	8260C		1	111260	04/06/13 01:26	RL	TAL BUF

Client Sample ID: DUPX3-2013 0401-01

Lab Sample ID: 480-35387-35

Date Collected: 04/01/13 00:00

Matrix: Water

Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	111260	04/06/13 01:50	RL	TAL BUF

Client Sample ID: Trip Blank

Lab Sample ID: 480-35387-36

Date Collected: 04/01/13 00:00

Matrix: Water

Date Received: 04/02/13 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B SIM		1	110641	04/03/13 12:42	TRB	TAL BUF
Total/NA	Analysis	8260C		1	111112	04/05/13 17:01	RL	TAL BUF

Lab Chronicle

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-13
California	NELAP	9	1169CA	09-30-13
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAP	4	E87672	06-30-13
Georgia	State Program	4	N/A	03-31-13 *
Georgia	State Program	4	956	06-30-13
Georgia	State Program	4	956	06-30-13
Illinois	NELAP	5	200003	09-30-13
Iowa	State Program	7	374	03-01-13 *
Kansas	NELAP	7	E-10187	01-31-14
Kentucky	State Program	4	90029	12-31-13
Kentucky (UST)	State Program	4	30	04-01-13 *
Louisiana	NELAP	6	02031	06-30-13
Maine	State Program	1	NY00044	12-04-13
Maryland	State Program	3	294	03-31-13 *
Massachusetts	State Program	1	M-NY044	06-30-13
Michigan	State Program	5	9937	04-01-13 *
Minnesota	NELAP	5	036-999-337	12-31-13
New Hampshire	NELAP	1	2973	09-11-13
New Hampshire	NELAP	1	2337	11-17-13
New Jersey	NELAP	2	NY455	06-30-13
New York	NELAP	2	10026	04-01-14
North Dakota	State Program	8	R-176	03-31-13 *
Oklahoma	State Program	6	9421	08-31-13
Oregon	NELAP	10	NY200003	06-09-13
Pennsylvania	NELAP	3	68-00281	07-31-13
Rhode Island	State Program	1	LAO00328	12-31-13
Tennessee	State Program	4	TN02970	04-01-13 *
Texas	NELAP	6	T104704412-11-2	07-31-13
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-13
Washington	State Program	10	C784	02-10-14
West Virginia DEP	State Program	3	252	09-30-13
Wisconsin	State Program	5	998310390	08-31-13

* Expired certification is currently pending renewal and is considered valid.

Method Summary

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

Method	Method Description	Protocol	Laboratory
8260B SIM	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF
8260C	Volatile Organic Compounds (GC/MS)	MA DEP	TAL BUF

Protocol References:

MA DEP = Massachusetts Department Of Environmental Protection

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-35387-1	DEP-19M-2013 0401-01	Water	04/01/13 12:40	04/02/13 01:40
480-35387-2	DEP-21-2013 0401-01	Water	04/01/13 12:00	04/02/13 01:40
480-35387-3	MW-261S-2013 0401	Water	04/01/13 08:35	04/02/13 01:40
480-35387-4	MW-263M-2013 0401	Water	04/01/13 10:55	04/02/13 01:40
480-35387-5	MW-264M-2013 0401	Water	04/01/13 10:20	04/02/13 01:40
480-35387-6	MW-265S-2013 0401	Water	04/01/13 10:20	04/02/13 01:40
480-35387-7	MW-265M-2013 0329-01	Water	03/29/13 11:30	04/02/13 01:40
480-35387-8	MW-265D-2013 0401-01	Water	04/01/13 11:35	04/02/13 01:40
480-35387-9	MW-266Ma-2013 0329-01	Water	03/29/13 14:05	04/02/13 01:40
480-35387-10	MW-266Mb-2013 0401-01	Water	04/01/13 12:25	04/02/13 01:40
480-35387-11	MW-267S-2013 0329-01	Water	03/29/13 14:50	04/02/13 01:40
480-35387-12	MW-267M-2013 0329-01	Water	03/29/13 14:15	04/02/13 01:40
480-35387-13	MW-268M-2013 0329-01	Water	03/29/13 08:35	04/02/13 01:40
480-35387-14	MW-268D-2013 0401	Water	04/01/13 09:25	04/02/13 01:40
480-35387-15	MW-269Ma-2013 0329-01	Water	03/29/13 12:03	04/02/13 01:40
480-35387-16	MW-551-2013 0329-01	Water	03/29/13 13:25	04/02/13 01:40
480-35387-17	MW-552-2013 0329-01	Water	03/29/13 09:35	04/02/13 01:40
480-35387-18	MW-553-2013 0329-01	Water	03/29/13 10:40	04/02/13 01:40
480-35387-19	MW-560-2013 0329-01	Water	03/29/13 10:35	04/02/13 01:40
480-35387-20	MW-561-2013 0329-01	Water	03/29/13 10:15	04/02/13 01:40
480-35387-21	MW-562-2013 0329-01	Water	03/29/13 12:30	04/02/13 01:40
480-35387-22	MW-563-2013 0329-01	Water	03/29/13 09:35	04/02/13 01:40
480-35387-23	REW-1-2013 0328-01	Water	03/28/13 12:25	04/02/13 01:40
480-35387-24	REW-4-2013 0328-01	Water	03/28/13 13:25	04/02/13 01:40
480-35387-25	REW-5-2013 0328-01	Water	03/28/13 14:00	04/02/13 01:40
480-35387-26	REW-6-2013 0329-01	Water	03/29/13 07:35	04/02/13 01:40
480-35387-27	REW-7-2013 0401-01	Water	04/01/13 09:55	04/02/13 01:40
480-35387-28	REW-8-2013 0328-01	Water	03/28/13 08:55	04/02/13 01:40
480-35387-29	REW-9-2013 0328-01	Water	03/28/13 10:30	04/02/13 01:40
480-35387-30	REW-10-2013 0328-01	Water	03/28/13 09:45	04/02/13 01:40
480-35387-31	REW-11-2013 0329-01	Water	03/29/13 08:05	04/02/13 01:40
480-35387-32	REW-12-2013 0328-01	Water	03/28/13 11:50	04/02/13 01:40
480-35387-33	DUPX1-2013 0328-01	Water	03/28/13 00:00	04/02/13 01:40
480-35387-34	DUPX2-2013 0329-01	Water	03/29/13 00:00	04/02/13 01:40
480-35387-35	DUPX3-2013 0401-01	Water	04/01/13 00:00	04/02/13 01:40
480-35387-36	Trip Blank	Water	04/01/13 00:00	04/02/13 01:40

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

Boston Service Center
240 Bear Hill Rd Suite 104
Waltham, MA 02451
Phone (781) 466-6900 Fax (781) 466-6901

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No
Client Contact: Vicki Perkins	Phone: same	E-Mail: same		Page: 1 of 4
Company: Innovative Engineering Solutions Inc				Job #
Address: 25 Spring St	Due Date Requested: 4/16/13			
City: Wilpole	TAT Requested (days):			
State, Zip: MA 02081				
Phone: 508-668-0033	Quote #			
Email: v.perkins@IESolutions.com	PO # RA-008			
Project Name/number: RA-008	WO #			
Site: Wayland, MA	SSOW#			

Analysis Requested

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; H - Ascorbic Acid; I - Ice; J - DI Water; M - Hexane; N - None; P - Na2O4S; Q - Na2SO3; R - Na2S2SO3; S - H2SO4; Z - other (specify)

Regulatory programs: MCP [X] GW1/S1 [X]; RCP [ ] CT RSR [ ]; DEP Form [X] EDD Required [X]

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Sampler's Initials	Field Filtered Sample?	Perform MS/MSD?	8260B	5260 - SIM8	Total Number of containers	Special Instructions/Note:
Preservation Code:								A	A		
DEP-IRM-2013 0401-01	4/1/13	1240	C	W	DJ			X		3	
DEP-21-2013 0401-01	4/1/13	1200	C	W	DJ			X		3	
MW-261S-20130401	4/1/13	0835	C	W	DJ			X	X	6	
MW-263M-20130401	4/1/13	1055	C	W	DJ			X		3	
MW-261M-20130401	4/1/13	1030	C	W	SH			X		3	
MW-263S-20130401	4/1/13	1080	C	W	SH			X		3	
MW-265M-20130329-01	3/29/13	1130	C	W	SH			X	X	6	
MW-263D-20130401-01	4/1/13	1135	C	W				X		3	
MW-261D-20130329-01	3/29/13	1405	C	W	DJ			X	X	6	
MW-261MD-20130401-01	4/1/13	1225	C	W				X		3	

Possible Hazard Identification
[X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [ ] Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
[ ] Return To Client [X] Disposal By Lab [ ] Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	4/1/13 1325	IESI		4/1/13 1325	IESI
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	4/1/13 1403	IESI		4/1/13 1403	TAL
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	4/1/13 1635			4/2/13 ~~4/1/13~~ 0140	TA

Custody Seals Intact: [ ] Yes [ ] No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 3.0 ICE#1 CW

TAL-8245-360 1111

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

Boston Service Center
240 Bear Hill Rd. Suite 104
Waltham, MA 02451
Phone (781) 466-6900 Fax (781) 466-6901

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No
Client Contact: Vidi Priyam	Phone: same	E-Mail: same		Page: 2 of 4
Company: Innovative Engineering Solutions Inc				Job #

Address	Due Date Requested:	Preservation Codes:
25 Spring St	4/16/13	A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, H - Ascorbic Acid, I - Ice, J - DI Water, M - Hexane, N - None, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, Z - other (specify)
City: Walpole	TAT Requested (days):	
State, Zip: MA 02081		
Phone: 508-668-0033	Quote #	
Email: V.Priyam@IESIonline.com	PO #: RA-008	
Project Name/number: RA-008	WO #	
Site: Wayland MA	SSOW#	

Regulatory programs: MCP [X] GW1/S1 [X]; RCP [ ] CT RSR [ ]; DEP Form [X] EDD Required [X]

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Sampler's Initials	Field Filtered Sample?	Perform MS/MSD?	8260B (Preservation Code: A)	8260-SIMS (Preservation Code: H)	Total Number of containers	Special Instructions/Note:
MW-267S-20130329-01	3/29/13	1450	C	W	SH			X	X	6	
MW-267M-20130329-01	3/29/13	1415	C	W	SH			X		3	
MW-263M-2013 0329-01	3/29/13	0835	C	W	DJ			X	X	6	
MW-263D-20130401	4/1/13	0925	C	W	DJ			X		3	
MW-266M-20130329-01	3/29/13	1205	C	W	DJ			X	X	6	
MW-531-20130329-01	3/29/13	1325	C	W	SH			X		3	
MW-532-20130329-01	3/29/13	0935	C	W	SH			X	X	6	
MW-533-20130329-01	3/29/13	1040	C	W	SH			X		3	
MW-560-20130329-01	3/29/13	1055	C	W	DJ			X		3	
MW-561-20130329-01	3/29/13	1015	C	W	DJ			X		3	

Possible Hazard Identification
[X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [ ] Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
[ ] Return To Client [X] Disposal By Lab [ ] Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	4/1/13 1325	IESI		4/1/13 1325	IESI
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	4/1/13 1403	IESI		4/1/13 1403	TAL
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	4/1/13 163			4/2/13 0140	TA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.0 ICE#

TAL-8245-360 1111

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

Boston Service Center
240 Bear Hill Rd Suite 104
Waltham, MA 02451
Phone (781) 466-6900 Fax (781) 466-6901

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No
Client Contact: Vicki Pierce	Phone: same	E-Mail: same		Page: 3 of 4
Company: Innovative Engineering Solutions Inc				Job #:
Address: 95 Spring St	Due Date Requested: 4/16/13			
City: Walpole	TAT Requested (days):			
State Zip: MA 02081				
Phone: 508-668-0033	Quote #:			
Email: vpierce@iesolutions.com	PO #: RA-008			
Project Name/number: RA-008	WO #:			
Site: Wayland MA	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; H - Ascorbic Acid; I - Ice; J - DI Water; M - Hexane; N - None; P - Na2O4S; Q - Na2SO3; R - Na2S2SO3; S - H2SO4; Z - other (specify)

Regulatory programs: MCP [X] GW1/S1 [ ]; RCP [ ] CT RSR [ ]; DEP Form [X] EDD Required [X]

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue A=Air)	Sampler's Initials	Field Filtered Sample?	Perform MS/MSD?	8260B		Total Number of containers	Special Instructions/Note:
			Preservation Code:					HCl	HCl		
MW-362-20130329-01	3/29/13	1230	G	W	[illegible]			X		3	
MW-363-20130329-01	3/29/13	0935	G	W	[illegible]			X		3	
REW-1-2013 0328-01	3/28/13	1325	G	W	[illegible]			X		3	
REW-4-2013 0328-01	3/28/13	1325	G	W	[illegible]			X		3	
REW-5-2013 0328-01	3/28/13	1400	G	W	[illegible]			X		3	
REW-6-20130328-01	3/28/13	0735	G	W	[illegible]			X		3	
REW-7-2013 0328-01	~~3/28/13~~	~~0855~~	G	W	[illegible]			X		3	
REW-8-2013 0328-01	3/28/13	0955	G	W	[illegible]			X		3	
REW-9-2013 0328-01	3/28/13	1030	G	W	[illegible]			X		3	
REW-10-2013 0328-01	3/28/13	0945	G	W	[illegible]			X		3	

Possible Hazard Identification
[X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [ ] Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
[ ] Return To Client [X] Disposal By Lab [ ] Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	4/1/13 1325	IESI	[signature]	4/1/13 1325	IESI
[signature]	4/1/13 1403	IESI	[signature]	4/1/13 1403	TAL
[signature]	4/1/13 163[illegible]		[signature]	4/2/13 41113 0140	TA

Custody Seals Intact: [ ] Yes [ ] No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 3.0 ICE#1

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4/9/2013

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

Boston Service Center
240 Bear Hill Rd. Suite 104
Waltham, MA 02451
Phone (781) 466-6900 Fax (781) 466-6901

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information			
Client Contact: Vikki Puniyan	Sampler: Doug Jones	Lab PM:	Carrier Tracking No(s):
Company: Innovative Engineering Solutions Inc	Phone: Same	E-Mail: Same	COC No: 22863
Address: 25 Spring St	Due Date Requested: 4/16/13		Page: 4 of 4
City: Walpole	TAT Requested (days):		Job #:
State, Zip: MA 02081	Quote #:		
Phone: 508-668-0033	PO #: RA-003		
Email: vpuniyan@IESonline.com	WO #:		
Project Name/number: RA-008	SSOW#:		
Site: Wayland MA			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, H - Ascorbic Acid, I - Ice, J - DI Water, M - Hexane, N - None, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, Z - other (specify)

Regulatory programs: MCP [X], RCP [ ], DEP Form [X], GW1/S1 [X], CT RSR [ ], EDD Required [X]

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Sampler's Initials	Field Filtered Sample?	Perform MS/MSD?	8260B	8260 - SIMS	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	X	4			
REW-11-20130329-01	3/29/13	0805	G	W	DJ			X		3	
REW-12-20130328-01	3/28/13	1150	G	W	DJ			X		3	
Dupx1-20130328-01	—	—	G	W	—			X			
Dupx2-20130328-01	—	—	G	W	—			X	X	6	
Dupx3-20130401-01	—	—	G	W	—			X		3	
TRIP BLANK	—	—	G	W	—			X	X		(1 TB for 8260 B) (1 TB for 8260-SIMS)

Possible Hazard Identification
[X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [ ] Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
[ ] Return To Client [X] Disposal By Lab [ ] Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	4/1/13	IES	[signature]	4/1/13	EBSI
[signature]	4/1/13 1403	EBSI	[signature]	4/1/13	TAL
[signature]	4/1/13 1632		[signature] 4/2/13	4/2/13 0140 CW	TA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 3.0 ICE#1

TAL-8245-360 1111

4/9/2013

Login Sample Receipt Checklist

Client: Innovative Engineering Solutions, Inc

Job Number: 480-35387-1

Login Number: 35387

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	iesi
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-31428-1
Client Project/Site: IDS Wayland

For:
Innovative Engineering Solutions, Inc
25 Spring Street
Walpole, Massachusetts 02081

Attn: Vicki Pariyar

Authorized for release by:
1/23/2013 4:59:05 PM
Steve Hartmann
Lab Director
steve.hartmann@testamericainc.com

Designee for

Becky Mason
Project Manager II
becky.mason@testamericainc.com

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-31428-1

Job ID: 480-31428-1

Laboratory: TestAmerica Buffalo

Narrative

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 01/11/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 4.1 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

2-Butanone (MEK) failed the recovery criteria high for LCS/LCSD 480-99374/4&5. 2-Butanone (MEK) failed the recovery criteria high for LCS/LCSD 480-99567/4&5. This is due to the coelution with Ethyl Acetate in the mega mix spike solution. Refer to the QC report for details.

2-Butanone (MEK) failed the recovery criteria high for the MS/MSD of sample REW-1-20130110-01MS (480-31428-1) in batch 480-99567. Acetone failed the recovery criteria low for the MS. Trichlorofluoromethane exceeded the rpd limit. Refer to the QC report for details.

Samples REW-1-20130110-01 (480-31428-1)[100X], REW-1-20130110-01 (480-31428-1)[5X], REW-6-20130110-01 (480-31428-2)[8X], REW-7-20130110-01 (480-31428-3)[20X], REW-8-20130110-01 (480-31428-4)[5X], REW-12-20130110-01 (480-31428-5)[4X], MW-261S-20130110-01 (480-31428-6)[400X], MW-261S-20130110-01 (480-31428-6)[5X], MW-265M-20130110-01 (480-31428-7)[100X], MW-552-20130110-01 (480-31428-8)[40X], MW-562-20130110-01 (480-31428-9)[40X], MW-563-20130110-01 (480-31428-10)[5X] and DUP-X-20130110-01 (480-31428-11)[4X] required dilution prior to analysis to bring the concentration of target analytes within the calibration range. The reporting limits have been adjusted accordingly.

With the exception of diluted samples, per question G on the MassDEP Analytical Protocol Certification Form, TestAmerica's routine reporting limits do not achieve the CAM reporting limits specified in this CAM protocol(s) for Carbon Disulfide, Isopropyl Ether, Naphthalene, tert-Butyl Ethyl Ether, tert-Amyl Methyl Ether, & Tetrahydrofuran.

No other difficulties were encountered during the volatile organic compounds (GC-MS) analyses.

All other quality control parameters were within the acceptance limits.

MassDEP Analytical Protocol Certification Form

Laboratory Name: **TestAmerica Buffalo** Project #: **480-31428-1**

Project Location: **IDS Wayland** RTN:

This form provides certifications for the following data set: list Laboratory Sample ID Number(s):

480-31428-[1-12]

Matrices: [X] Groundwater/Surface Water [ ] Soil/Sediment [ ] Drinking Water [ ] Air [ ] Other:

CAM Protocols (check all that apply below):

8260 VOC CAM II A [X]	7470/7471 Hg CAM III B [ ]	Mass DEP VPH CAM IV A [ ]	8081 Pesticides CAM V B [ ]	7196 Hex Cr CAM VI B [ ]	Mass DEP APH CAM IX A [ ]
8270 SVOC CAM II B [ ]	7010 Metals CAM III C [ ]	Mass DEP EPH CAM IV B [ ]	8151 Herbicides CAM V C [ ]	8330 Explosives CAM VIII A [ ]	TO-15 VOC CAM IX B [ ]
6010 Metals CAM III A [ ]	6020 Metals CAM III D [ ]	8082 PCB CAM V A [ ]	9014 Total Cyanide/PAC CAM VI A [ ]	6860 Perchlorate CAM VIII B [ ]	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding time.	[X] Yes [ ] No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	[X] Yes [ ] No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	[X] Yes [ ] No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	[X] Yes [ ] No
E	a. VPH, EPH and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	[ ] Yes [ ] No [ ] Yes [ ] No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	[X] Yes [ ] No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	[ ] Yes [X] No[1]

***Data User Note:* Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WCS-07-350**

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	[ ] Yes [X] No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s) ?	[X] Yes [ ] No[1]

[1] All negative responses must be addressed in an attached laboratory narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, is accurate and complete.

Signature:  Position: Service Center Manager/Lab Director-TestAmerica Westfield

Printed Name: Steven C. Hartmann Date: 1/23/13 16:52

This form has been electronically signed and approved

Detection Summary

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-31428-1

Client Sample ID: REW-1-20130110-01 — Lab Sample ID: 480-31428-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	180	*	50	6.6	ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	11		5.0	4.1	ug/L	5		8260C	Total/NA
Tetrahydrofuran	16	J	50	6.3	ug/L	5		8260C	Total/NA
Vinyl chloride	10		2.5	4.5	ug/L	5		8260C	Total/NA
Acetone - DL	29000		5000	300	ug/L	100		8260C	Total/NA

Client Sample ID: REW-6-20130110-01 — Lab Sample ID: 480-31428-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	320		8.0	6.5	ug/L	8		8260C	Total/NA
Tetrachloroethene	17		8.0	2.9	ug/L	8		8260C	Total/NA
Trichloroethene	530		8.0	3.7	ug/L	8		8260C	Total/NA
Vinyl chloride	13		4.0	7.2	ug/L	8		8260C	Total/NA

Client Sample ID: REW-7-20130110-01 — Lab Sample ID: 480-31428-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	4.9		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.9		1.0	0.29	ug/L	1		8260C	Total/NA
Benzene	1.3		1.0	0.41	ug/L	1		8260C	Total/NA
Chlorobenzene	0.76	J	1.0	0.75	ug/L	1		8260C	Total/NA
Tetrachloroethene	12		1.0	0.36	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	2.2		1.0	0.90	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene - DL	1000		20	16	ug/L	20		8260C	Total/NA
Trichloroethene - DL	350		20	9.2	ug/L	20		8260C	Total/NA
Vinyl chloride - DL	140		10	18	ug/L	20		8260C	Total/NA

Client Sample ID: REW-8-20130110-01 — Lab Sample ID: 480-31428-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.9		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.3		1.0	0.29	ug/L	1		8260C	Total/NA
Benzene	1.0		1.0	0.41	ug/L	1		8260C	Total/NA
Tetrachloroethene	7.5		1.0	0.36	ug/L	1		8260C	Total/NA
Tetrahydrofuran	1.3	J	10	1.3	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	11		1.0	0.90	ug/L	1		8260C	Total/NA
Vinyl chloride	44		0.50	0.90	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene - DL	370		5.0	4.1	ug/L	5		8260C	Total/NA
Trichloroethene - DL	340		5.0	2.3	ug/L	5		8260C	Total/NA

Client Sample ID: REW-12-20130110-01 — Lab Sample ID: 480-31428-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.2		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.50	J	1.0	0.29	ug/L	1		8260C	Total/NA
Benzene	0.41	J	1.0	0.41	ug/L	1		8260C	Total/NA
Tetrachloroethene	9.8		1.0	0.36	ug/L	1		8260C	Total/NA
Vinyl chloride	14		0.50	0.90	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene - DL	270		4.0	3.2	ug/L	4		8260C	Total/NA
Trichloroethene - DL	200		4.0	1.8	ug/L	4		8260C	Total/NA

Detection Summary

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-31428-1

Client Sample ID: MW-261S-20130110-01 — Lab Sample ID: 480-31428-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	140	*	50	6.6	ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	30		5.0	4.1	ug/L	5		8260C	Total/NA
Tetrahydrofuran	10	J	50	6.3	ug/L	5		8260C	Total/NA
Trichloroethene	6.3		5.0	2.3	ug/L	5		8260C	Total/NA
Vinyl chloride	78		2.5	4.5	ug/L	5		8260C	Total/NA
Acetone - DL	170000		20000	1200	ug/L	400		8260C	Total/NA

Client Sample ID: MW-265M-20130110-01 — Lab Sample ID: 480-31428-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone - DL	46000		5000	300	ug/L	100		8260C	Total/NA

Client Sample ID: MW-552-20130110-01 — Lab Sample ID: 480-31428-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	18000		2000	120	ug/L	40		8260C	Total/NA
cis-1,2-Dichloroethene	1400		40	32	ug/L	40		8260C	Total/NA
Trichloroethene	71		40	18	ug/L	40		8260C	Total/NA
Vinyl chloride	160		20	36	ug/L	40		8260C	Total/NA

Client Sample ID: MW-562-20130110-01 — Lab Sample ID: 480-31428-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	120	J *	400	53	ug/L	40		8260C	Total/NA
Acetone	16000		2000	120	ug/L	40		8260C	Total/NA

Client Sample ID: MW-563-20130110-01 — Lab Sample ID: 480-31428-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	3.4	J	5.0	1.9	ug/L	5		8260C	Total/NA
1,1-Dichloroethene	1.9	J	5.0	1.5	ug/L	5		8260C	Total/NA
Acetone	61	J	250	15	ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	380		5.0	4.1	ug/L	5		8260C	Total/NA
Tetrachloroethene	3.0	J	5.0	1.8	ug/L	5		8260C	Total/NA
Trichloroethene	150		5.0	2.3	ug/L	5		8260C	Total/NA
Vinyl chloride	47		2.5	4.5	ug/L	5		8260C	Total/NA

Client Sample ID: DUP-X-20130110-01 — Lab Sample ID: 480-31428-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.3		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.39	J	1.0	0.29	ug/L	1		8260C	Total/NA
Benzene	0.41	J	1.0	0.41	ug/L	1		8260C	Total/NA
Tetrachloroethene	9.5		1.0	0.36	ug/L	1		8260C	Total/NA
Vinyl chloride	14		0.50	0.90	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene - DL	260		4.0	3.2	ug/L	4		8260C	Total/NA
Trichloroethene - DL	200		4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: Trip Blanks — Lab Sample ID: 480-31428-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.2	J	50	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: REW-1-20130110-01
Date Collected: 01/10/13 11:50
Date Received: 01/11/13 08:00

Lab Sample ID: 480-31428-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
5u5u7-TetracdCroetdal e	2D		hN0	5N8	SEj.			05j54j53 5L:54	h
5u5u5-TricdCroetdal e	2D		hN0	4N5	SEj.			05j54j53 5L:54	h
5u5u7u7-TetracdCroetdal e	2D		7Nh	5N5	SEj.			05j54j53 5L:54	h
5u5u7-TricdCroetdal e	2D		hN0	5N7	SEj.			05j54j53 5L:54	h
5u5-DicdCroetdal e	2D		hN0	5Np	SEj.			05j54j53 5L:54	h
5u5-DicdCroetdel e	2D		hN0	5Nh	SEj.			05j54j53 5L:54	h
5u5-DicdCroxroxel e	2D		hN0	3Nz	SEj.			05j54j53 5L:54	h
5u7u8-TricdCrobel Bel e	2D		hN0	7N5	SEj.			05j54j53 5L:54	h
5u7u8-TricdCroxroxal e	2D		hN0	4Nh	SEj.			05j54j53 5L:54	h
5u7u4-TricdCrobel Bel e	2D		hN0	7N5	SEj.			05j54j53 5L:54	h
5u7u4-TrimetdWCel Bel e	2D		hN0	3N8	SEj.			05j54j53 5L:54	h
5u7-Dibromo-3-1 dCroxroxal e	2D		7h	7N0	SEj.			05j54j53 5L:54	h
5u7-DicdCrobel Bel e	2D		hN0	4N0	SEj.			05j54j53 5L:54	h
5u7-DicdCroetdal e	2D		hN0	5N5	SEj.			05j54j53 5L:54	h
5u7-DicdCroxroxal e	2D		hN0	3Nz	SEj.			05j54j53 5L:54	h
5u8uh-TrimetdWCel Bel e	2D		hN0	3Np	SEj.			05j54j53 5L:54	h
5u8-DicdCrobel Bel e	2D		hN0	3Np	SEj.			05j54j53 5L:54	h
5u8-DicdCroxroxal e	2D		hN0	3N8	SEj.			05j54j53 5L:54	h
5u4-DicdCrobel Bel e	2D		hN0	4N7	SEj.			05j54j53 5L:54	h
5u4-Dio(al e	2D		7h0	4L	SEj.			05j54j53 5L:54	h
7u7-DicdCroxroxal e	2D		hN0	7N0	SEj.			05j54j53 5L:54	h
2-Butanone (MEK)	**180**	*	h0	zNz	SEj.			05j54j53 5L:54	h
7-1 dCrotoCSel e	2D		hN0	4N3	SEj.			05j54j53 5L:54	h
7-Me(al ol e	2D		h0	zN7	SEj.			05j54j53 5L:54	h
4-1 dCrotoCSel e	2D		hN0	4N7	SEj.			05j54j53 5L:54	h
4-IsoxroxWCoCSel e	2D		hN0	5Nz	SEj.			05j54j53 5L:54	h
4-K etdWC7-xel tal ol e)K IHf X	2D		h0	55	SEj.			05j54j53 5L:54	h
Hel Bel e	2D		hN0	7N5	SEj.			05j54j53 5L:54	h
Hromobel Bel e	2D		hN0	4N0	SEj.			05j54j53 5L:54	h
Hromo&rm	2D		hN0	5N3	SEj.			05j54j53 5L:54	h
Hromometdal e	2D		50	3Nh	SEj.			05j54j53 5L:54	h
1 arbol yisS&ye	2D		h0	0Npph	SEj.			05j54j53 5L:54	h
1 arbol tetracdCriye	2D		hN0	5N4	SEj.			05j54j53 5L:54	h
1 dCrobel Bel e	2D		hN0	3N8	SEj.			05j54j53 5L:54	h
1 dCrobromometdal e	2D		hN0	4N4	SEj.			05j54j53 5L:54	h
1 dCroyibromometdal e	2D		7Nh	5Nz	SEj.			05j54j53 5L:54	h
1 dCroetdal e	2D		50	5Nz	SEj.			05j54j53 5L:54	h
1 dCro&rm	2D		hN0	5NL	SEj.			05j54j53 5L:54	h
1 dCrometdal e	2D		50	5N8	SEj.			05j54j53 5L:54	h
cis-1,2-Dichloroethene	**11**		hN0	4N5	SEj.			05j54j53 5L:54	h
cis-5u8-DicdCroxroxel e	2D		7N0	5N8	SEj.			05j54j53 5L:54	h
DicdCrobromometdal e	2D		7Nh	7N0	SEj.			05j54j53 5L:54	h
DicdCroyi&Sorometdal e	2D		hN0	3N4	SEj.			05j54j53 5L:54	h
v tdWCetder	2D		hN0	3Nz	SEj.			05j54j53 5L:54	h
v tdWCel Bel e	2D		hN0	3NL	SEj.			05j54j53 5L:54	h
v tdWCl e Dibromiye	2D		hN0	3NL	SEj.			05j54j53 5L:54	h
Me(acdCrobStayiel e	2D		7N0	5N4	SEj.			05j54j53 5L:54	h
IsoxroxWCetder	2D		h0	3N0	SEj.			05j54j53 5L:54	h
IsoxroxWCel Bel e	2D		hN0	4N0	SEj.			05j54j53 5L:54	h

Client Sample ID: REW-1-20130110-01

Lab Sample ID: 480-31428-1

Date Collected: 01/10/13 11:50

Matrix: Water

Date Received: 01/11/13 08:00

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K etdWQert-bStWQetder	2 D		hN0	0N80	SEj.			05j54j53 5L:54	h
K etdWQl e 1 dQriye	2 D		hN0	7N7	SEj.			05j54j53 5L:54	h
m-VWQl e 6 x-VWQl e	2 D		50	3N3	SEj.			05j54j53 5L:54	h
2 axdtdaQl e	2 D		7h	7N7	SEj.			05j54j53 5L:54	h
I -HStWQel Bel e	2 D		hN0	3N7	SEj.			05j54j53 5L:54	h
2 -, roxWQel Bel e	2 D		hN0	3Nh	SEj.			05j54j53 5L:54	h
o-VWQl e	2 D		hN0	3N8	SEj.			05j54j53 5L:54	h
sec-HStWQel Bel e	2 D		hN0	3N8	SEj.			05j54j53 5L:54	h
gtWel e	2 D		hN0	3NL	SEj.			05j54j53 5L:54	h
Tert-amWQmetdWQetder	2 D		7h	5N4	SEj.			05j54j53 5L:54	h
Tert-bStWQetdWQetder	2 D		7h	5Nh	SEj.			05j54j53 5L:54	h
tert-HStWQel Bel e	2 D		hN0	4N5	SEj.			05j54j53 5L:54	h
TetracdQroetdel e	2 D		hN0	5N8	SEj.			05j54j53 5L:54	h
Tetrahydrofuran	**16**	**J**	h0	zN3	SEj.			05j54j53 5L:54	h
ToQel e	2 D		hN0	7Nz	SEj.			05j54j53 5L:54	h
tral s-5u7-DicdQroetdel e	2 D		hN0	4Nh	SEj.			05j54j53 5L:54	h
tral s-5u8-DicdQroxroxel e	2 D		7N0	5Np	SEj.			05j54j53 5L:54	h
TricdQroetdel e	2 D		hN0	7N3	SEj.			05j54j53 5L:54	h
TricdQro&Sorometdal e	2 D		hN0	4N4	SEj.			05j54j53 5L:54	h
Vinyl chloride	**10**		7Nh	4Nh	SEj.			05j54j53 5L:54	h
Dibromometdal e	2 D		hN0	7N5	SEj.			05j54j53 5L:54	h

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*70 - 130*		*01/14/13 17:14*	*5*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*		*01/14/13 17:14*	*5*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*01/14/13 17:14*	*5*

Method: 8260C - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**29000**		h000	300	SEj.			05j5hj53 54:35	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*70 - 130*		*01/15/13 14:31*	*100*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*01/15/13 14:31*	*100*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*		*01/15/13 14:31*	*100*

Client Sample ID: REW-6-20130110-01

Lab Sample ID: 480-31428-2

Date Collected: 01/10/13 09:50

Matrix: Water

Date Received: 01/11/13 08:00

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
5u5u5u7-TetracdQroetdal e	2 D		8N0	7N8	SEj.			05j5hj53 54:hz	8
5u5u5-TricdQroetdal e	2 D		8N0	zNz	SEj.			05j5hj53 54:hz	8
5u5u7u7-TetracdQroetdal e	2 D		4N0	5NL	SEj.			05j5hj53 54:hz	8
5u5u7-TricdQroetdal e	2 D		8N0	5N8	SEj.			05j5hj53 54:hz	8
5u5-DicdQroetdal e	2 D		8N0	3N0	SEj.			05j5hj53 54:hz	8
5u5-DicdQroetdel e	2 D		8N0	7N3	SEj.			05j5hj53 54:hz	8
5u5-DicdQroxroxel e	2 D		8N0	hN8	SEj.			05j5hj53 54:hz	8
5u7u8-TricdQrobel Bel e	2 D		8N0	3N3	SEj.			05j5hj53 54:hz	8

Client Sample ID: REW-6-20130110-01
Date Collected: 01/10/13 09:50
Date Received: 01/11/13 08:00

Lab Sample ID: 480-31428-2
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
5u7u8-TricdCroxroxal e	2 D		8N0	LN5	SEj.			05j5hj53 54:hz	8
5u7u4-TricdCrobel Bel e	2 D		8N0	3N3	SEj.			05j5hj53 54:hz	8
5u7u4-TrimetdWCel Bel e	2 D		8N0	zN0	SEj.			05j5hj53 54:hz	8
5u7-Dibromo-3-1 dCroxroxal e	2 D		40	3N5	SEj.			05j5hj53 54:hz	8
5u7-DicdCrobel Bel e	2 D		8N0	zN3	SEj.			05j5hj53 54:hz	8
5u7-DicdCroetdal e	2 D		8N0	5NL	SEj.			05j5hj53 54:hz	8
5u7-DicdCroxroxal e	2 D		8N0	hN8	SEj.			05j5hj53 54:hz	8
5u8uh-TrimetdWCel Bel e	2 D		8N0	zN7	SEj.			05j5hj53 54:hz	8
5u8-DicdCrobel Bel e	2 D		8N0	zN7	SEj.			05j5hj53 54:hz	8
5u8-DicdCroxroxal e	2 D		8N0	zN0	SEj.			05j5hj53 54:hz	8
5u4-DicdCrobel Bel e	2 D		8N0	zNL	SEj.			05j5hj53 54:hz	8
5u4-Dio(al e	2 D		400	Lh	SEj.			05j5hj53 54:hz	8
7u7-DicdCroxroxal e	2 D		8N0	3N7	SEj.			05j5hj53 54:hz	8
7-HStal ol e)K v f X	2 D	*	80	55	SEj.			05j5hj53 54:hz	8
7-1 dCrotoCSel e	2 D		8N0	zNp	SEj.			05j5hj53 54:hz	8
7-Me(al ol e	2 D		80	php	SEj.			05j5hj53 54:hz	8
4-1 dCrotoCSel e	2 D		8N0	zNL	SEj.			05j5hj53 54:hz	8
4-IsoxroxWtoCSel e	2 D		8N0	7Nh	SEj.			05j5hj53 54:hz	8
4-K etdWC7-xel tal ol e)K IHf X	2 D		80	5L	SEj.			05j5hj53 54:hz	8
Acetol e	2 D		400	74	SEj.			05j5hj53 54:hz	8
Hel Bel e	2 D		8N0	3N3	SEj.			05j5hj53 54:hz	8
Hromobel Bel e	2 D		8N0	zN4	SEj.			05j5hj53 54:hz	8
Hromo&rm	2 D		8N0	7N5	SEj.			05j5hj53 54:hz	8
Hromometdal e	2 D		5z	hNh	SEj.			05j5hj53 54:hz	8
1 arbol yisS&ye	2 D		80	5Nh	SEj.			05j5hj53 54:hz	8
1 arbol tetracdCriye	2 D		8N0	7N7	SEj.			05j5hj53 54:hz	8
1 dCrobel Bel e	2 D		8N0	zN0	SEj.			05j5hj53 54:hz	8
1 dCrobromometdal e	2 D		8N0	LN0	SEj.			05j5hj53 54:hz	8
1 dCroyibromometdal e	2 D		4N0	7Nz	SEj.			05j5hj53 54:hz	8
1 dCroetdal e	2 D		5z	7Nz	SEj.			05j5hj53 54:hz	8
1 dCro&rm	2 D		8N0	7NL	SEj.			05j5hj53 54:hz	8
1 dCrometdal e	2 D		5z	7N8	SEj.			05j5hj53 54:hz	8
cis-1,2-Dichloroethene	**320**		8N0	zNh	SEj.			05j5hj53 54:hz	8
cis-5u8-DicdCroxroxel e	2 D		3N7	7Np	SEj.			05j5hj53 54:hz	8
DicdCrobromometdal e	2 D		4N0	3N5	SEj.			05j5hj53 54:hz	8
DicdCroyi&Sorometdal e	2 D		8N0	hN4	SEj.			05j5hj53 54:hz	8
v tdWCetder	2 D		8N0	hN8	SEj.			05j5hj53 54:hz	8
v tdWCel Bel e	2 D		8N0	hNp	SEj.			05j5hj53 54:hz	8
v tdWCl e Dibromiye	2 D		8N0	hN8	SEj.			05j5hj53 54:hz	8
Me(acdCrobStayiel e	2 D		3N7	7N7	SEj.			05j5hj53 54:hz	8
IsoxroxWCetder	2 D		80	4NL	SEj.			05j5hj53 54:hz	8
IsoxroxWCel Bel e	2 D		8N0	zN3	SEj.			05j5hj53 54:hz	8
K etdWCert-bStWCetder	2 D		8N0	5N3	SEj.			05j5hj53 54:hz	8
K etdWCl e 1 dCriye	2 D		8N0	3Nh	SEj.			05j5hj53 54:hz	8
m-VWCl e 6 x-VWCl e	2 D		5z	hN3	SEj.			05j5hj53 54:hz	8
2 axdtdaCl e	2 D		40	3N4	SEj.			05j5hj53 54:hz	8
l -HStWCel Bel e	2 D		8N0	hN5	SEj.			05j5hj53 54:hz	8
2 -, roxWCel Bel e	2 D		8N0	hNh	SEj.			05j5hj53 54:hz	8
o-VWCl e	2 D		8N0	zN5	SEj.			05j5hj53 54:hz	8

Client Sample ID: REW-6-20130110-01

Lab Sample ID: 480-31428-2

Date Collected: 01/10/13 09:50

Matrix: Water

Date Received: 01/11/13 08:00

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-HStWQel Bel e	2 D		8N0	zN0	SEj.			05j5hj53 54:hz	8
gtWel e	2 D		8N0	hN8	SEj.			05j5hj53 54:hz	8
Tert-amWQmetdWQetder	2 D		40	7N7	SEj.			05j5hj53 54:hz	8
Tert-bStWQetdWQetder	2 D		40	7N4	SEj.			05j5hj53 54:hz	8
tert-HStWQel Bel e	2 D		8N0	zNh	SEj.			05j5hj53 54:hz	8
Tetrachloroethene	**17**		8N0	7hp	SEj.			05j5hj53 54:hz	8
TetradWyro&Sral	2 D		80	50	SEj.			05j5hj53 54:hz	8
ToSel e	2 D		8N0	4N5	SEj.			05j5hj53 54:hz	8
tral s-5u7-DicdQroetdel e	2 D		8N0	LN7	SEj.			05j5hj53 54:hz	8
tral s-5u8-DicdQroxroxel e	2 D		3N7	3N0	SEj.			05j5hj53 54:hz	8
Trichloroethene	**530**		8N0	3NL	SEj.			05j5hj53 54:hz	8
TricdQro&Sorometdal e	2 D		8N0	LN0	SEj.			05j5hj53 54:hz	8
Vinyl chloride	**13**		4N0	LN7	SEj.			05j5hj53 54:hz	8
Dibromometdal e	2 D		8N0	3N8	SEj.			05j5hj53 54:hz	8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*70 - 130*		*01/15/13 14:56*	*8*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*		*01/15/13 14:56*	*8*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*		*01/15/13 14:56*	*8*

Client Sample ID: REW-7-20130110-01

Lab Sample ID: 480-31428-3

Date Collected: 01/10/13 11:10

Matrix: Water

Date Received: 01/11/13 08:00

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
5u5u5u7-TetracdQroetdal e	2 D		5N0	0N3h	SEj.			05j54j53 58:04	5
5u5u5-TricdQroetdal e	2 D		5N0	0N87	SEj.			05j54j53 58:04	5
5u5u7u7-TetracdQroetdal e	2 D		0Nh0	0N75	SEj.			05j54j53 58:04	5
5u5u7-TricdQroetdal e	2 D		5N0	0N73	SEj.			05j54j53 58:04	5
1,1-Dichloroethane	**4.9**		5N0	0N38	SEj.			05j54j53 58:04	5
1,1-Dichloroethene	**1.9**		5N0	0N7p	SEj.			05j54j53 58:04	5
5u5-DicdQroxroxel e	2 D		5N0	0NL7	SEj.			05j54j53 58:04	5
5u7u8-TricdQrobel Bel e	2 D		5N0	0N45	SEj.			05j54j53 58:04	5
5u7u8-TricdQroxroxal e	2 D		5N0	0N8p	SEj.			05j54j53 58:04	5
5u7u4-TricdQrobel Bel e	2 D		5N0	0N45	SEj.			05j54j53 58:04	5
5u7u4-TrimetdWQel Bel e	2 D		5N0	0NLh	SEj.			05j54j53 58:04	5
5u7-Dibromo-3-1 dQroxroxal e	2 D		hN0	0N3p	SEj.			05j54j53 58:04	5
5u7-DicdQrobel Bel e	2 D		5N0	0NLp	SEj.			05j54j53 58:04	5
5u7-DicdQroetdal e	2 D		5N0	0N75	SEj.			05j54j53 58:04	5
5u7-DicdQroxroxal e	2 D		5N0	0NL7	SEj.			05j54j53 58:04	5
5u8uh-TrimetdWQel Bel e	2 D		5N0	0NLL	SEj.			05j54j53 58:04	5
5u8-DicdQrobel Bel e	2 D		5N0	0NL8	SEj.			05j54j53 58:04	5
5u8-DicdQroxroxal e	2 D		5N0	0NLh	SEj.			05j54j53 58:04	5
5u4-DicdQrobel Bel e	2 D		5N0	0N84	SEj.			05j54j53 58:04	5
5u4-Dio(al e	2 D		h0	pN3	SEj.			05j54j53 58:04	5
7u7-DicdQroxroxal e	2 D		5N0	0N40	SEj.			05j54j53 58:04	5
7-HStal ol e)Kv f X	2 D	*	50	5N3	SEj.			05j54j53 58:04	5
7-1 dQrotoSel e	2 D		5N0	0N8z	SEj.			05j54j53 58:04	5
7-Me(al ol e	2 D		50	5N7	SEj.			05j54j53 58:04	5

Client Sample ID: REW-7-20130110-01
Date Collected: 01/10/13 11:10
Date Received: 01/11/13 08:00

Lab Sample ID: 480-31428-3
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-1 dQrotoCSel e	2 D		5N0	0N84	SEj.			05j54j53 58:04	5
4-IsoxroxWQoCSel e	2 D		5N0	0N35	SEj.			05j54j53 58:04	5
4-K etdWQ7-xel tal ol e)K IHf X	2 D		50	7N5	SEj.			05j54j53 58:04	5
Acetol e	2 D		h0	3N0	SEj.			05j54j53 58:04	5
Benzene	**1.3**		5N0	0N45	SEj.			05j54j53 58:04	5
Hromobel Bel e	2 D		5N0	0N80	SEj.			05j54j53 58:04	5
Hromo&rm	2 D		5N0	0N7z	SEj.			05j54j53 58:04	5
Hromometdal e	2 D		7N0	0Nxp	SEj.			05j54j53 58:04	5
1 arbol yisS&ye	2 D		50	0N5p	SEj.			05j54j53 58:04	5
1 arbol tetracdQriye	2 D		5N0	0N7L	SEj.			05j54j53 58:04	5
Chlorobenzene	**0.76**	**J**	5N0	0NLh	SEj.			05j54j53 58:04	5
1 dQrobromometdal e	2 D		5N0	0N8L	SEj.			05j54j53 58:04	5
1 dQroyibromometdal e	2 D		0Nh0	0N37	SEj.			05j54j53 58:04	5
1 dQroetdal e	2 D		7N0	0N37	SEj.			05j54j53 58:04	5
1 dQro&rm	2 D		5N0	0N34	SEj.			05j54j53 58:04	5
1 dQrometdal e	2 D		7N0	0N3h	SEj.			05j54j53 58:04	5
cis-5u3-DicdQroxroxel e	2 D		0N40	0N3z	SEj.			05j54j53 58:04	5
DicdQrobromometdal e	2 D		0Nh0	0N3p	SEj.			05j54j53 58:04	5
DicdQroyi&Sorometdal e	2 D		5N0	0Nx8	SEj.			05j54j53 58:04	5
v tdWQetder	2 D		5N0	0NL7	SEj.			05j54j53 58:04	5
v tdWQel Bel e	2 D		5N0	0NL4	SEj.			05j54j53 58:04	5
v tdWQl e Dibromiye	2 D		5N0	0NL3	SEj.			05j54j53 58:04	5
Me(acdQrobStayiel e	2 D		0N40	0N78	SEj.			05j54j53 58:04	5
IsoxroxWQetder	2 D		50	0Nhp	SEj.			05j54j53 58:04	5
IsoxroxWQel Bel e	2 D		5N0	0NLp	SEj.			05j54j53 58:04	5
K etdWQert-bStWQetder	2 D		5N0	0N5z	SEj.			05j54j53 58:04	5
K etdWQl e 1 dQriye	2 D		5N0	0N44	SEj.			05j54j53 58:04	5
m-VWQl e 6 x-VWQl e	2 D		7N0	0Nxz	SEj.			05j54j53 58:04	5
2 axdtdaQl e	2 D		hN0	0N43	SEj.			05j54j53 58:04	5
l -HStWQel Bel e	2 D		5N0	0Nx4	SEj.			05j54j53 58:04	5
2 -, roxWQel Bel e	2 D		5N0	0Nxp	SEj.			05j54j53 58:04	5
o-VWQl e	2 D		5N0	0NLz	SEj.			05j54j53 58:04	5
sec-HStWQel Bel e	2 D		5N0	0NLh	SEj.			05j54j53 58:04	5
gtWel e	2 D		5N0	0NL3	SEj.			05j54j53 58:04	5
Tert-amWQmetdWQetder	2 D		hN0	0N7L	SEj.			05j54j53 58:04	5
Tert-bStWQetdWQetder	2 D		hN0	0N7p	SEj.			05j54j53 58:04	5
tert-HStWQel Bel e	2 D		5N0	0N85	SEj.			05j54j53 58:04	5
Tetrachloroethene	**12**		5N0	0N3z	SEj.			05j54j53 58:04	5
TetradWyro&ral	2 D		50	5N3	SEj.			05j54j53 58:04	5
ToCSel e	2 D		5N0	0Nh5	SEj.			05j54j53 58:04	5
trans-1,2-Dichloroethene	**2.2**		5N0	0Np0	SEj.			05j54j53 58:04	5
tral s-5u3-DicdQroxroxel e	2 D		0N40	0N3L	SEj.			05j54j53 58:04	5
TricdQro&Sorometdal e	2 D		5N0	0N88	SEj.			05j54j53 58:04	5
Dibromometdal e	2 D		5N0	0N45	SEj.			05j54j53 58:04	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*01/14/13 18:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*01/14/13 18:04*	*1*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*		*01/14/13 18:04*	*1*

Client Sample ID: REW-7-20130110-01

Lab Sample ID: 480-31428-3

Date Collected: 01/10/13 11:10

Matrix: Water

Date Received: 01/11/13 08:00

Method: 8260C - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	1000		70	5z	SEj.			05j5hj53 5h:77	70
Trichloroethene	350		70	pN7	SEj.			05j5hj53 5h:77	70
Vinyl chloride	140		50	58	SEj.			05j5hj53 5h:77	70

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*01/15/13 15:22*	*20*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*01/15/13 15:22*	*20*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*		*01/15/13 15:22*	*20*

Client Sample ID: REW-8-20130110-01

Lab Sample ID: 480-31428-4

Date Collected: 01/10/13 12:30

Matrix: Water

Date Received: 01/11/13 08:00

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
5u5u5u7-TetracdCroetdal e	2 D		5N0	0N3h	SEj.			05j54j53 58:7p	5
5u5u5-TricdCroetdal e	2 D		5N0	0N87	SEj.			05j54j53 58:7p	5
5u5u7u7-TetracdCroetdal e	2 D		0N10	0N75	SEj.			05j54j53 58:7p	5
5u5u7-TricdCroetdal e	2 D		5N0	0N73	SEj.			05j54j53 58:7p	5
1,1-Dichloroethane	1.9		5N0	0N38	SEj.			05j54j53 58:7p	5
1,1-Dichloroethene	1.3		5N0	0N7p	SEj.			05j54j53 58:7p	5
5u5-DicdCroxroxel e	2 D		5N0	0NL7	SEj.			05j54j53 58:7p	5
5u7u8-TricdCrobel Bel e	2 D		5N0	0N45	SEj.			05j54j53 58:7p	5
5u7u8-TricdCroxroxal e	2 D		5N0	0N8p	SEj.			05j54j53 58:7p	5
5u7u4-TricdCrobel Bel e	2 D		5N0	0N45	SEj.			05j54j53 58:7p	5
5u7u4-TrimetdWCel Bel e	2 D		5N0	0NLh	SEj.			05j54j53 58:7p	5
5u7-Dibromo-3-1 dCroxroxal e	2 D		hN0	0N3p	SEj.			05j54j53 58:7p	5
5u7-DicdCrobel Bel e	2 D		5N0	0NLp	SEj.			05j54j53 58:7p	5
5u7-DicdCroetdal e	2 D		5N0	0N75	SEj.			05j54j53 58:7p	5
5u7-DicdCroxroxal e	2 D		5N0	0NL7	SEj.			05j54j53 58:7p	5
5u8uh-TrimetdWCel Bel e	2 D		5N0	0NLL	SEj.			05j54j53 58:7p	5
5u8-DicdCrobel Bel e	2 D		5N0	0NL8	SEj.			05j54j53 58:7p	5
5u8-DicdCroxroxal e	2 D		5N0	0NLh	SEj.			05j54j53 58:7p	5
5u4-DicdCrobel Bel e	2 D		5N0	0N84	SEj.			05j54j53 58:7p	5
5u4-Dio(al e	2 D		h0	pN3	SEj.			05j54j53 58:7p	5
7u7-DicdCroxroxal e	2 D		5N0	0N40	SEj.			05j54j53 58:7p	5
7-HStal ol e)K v f X	2 D	*	50	5N3	SEj.			05j54j53 58:7p	5
7-1 dCrotoCel e	2 D		5N0	0N8z	SEj.			05j54j53 58:7p	5
7-Me(al ol e	2 D		50	5N7	SEj.			05j54j53 58:7p	5
4-1 dCrotoCel e	2 D		5N0	0N84	SEj.			05j54j53 58:7p	5
4-IsoxroxWCoCel e	2 D		5N0	0N35	SEj.			05j54j53 58:7p	5
4-K etdWC7-xel tal ol e)K IHf X	2 D		50	7N5	SEj.			05j54j53 58:7p	5
Acetol e	2 D		h0	3N0	SEj.			05j54j53 58:7p	5
Benzene	1.0		5N0	0N45	SEj.			05j54j53 58:7p	5
Hromobel Bel e	2 D		5N0	0N80	SEj.			05j54j53 58:7p	5
Hromo&rm	2 D		5N0	0N7z	SEj.			05j54j53 58:7p	5
Hromometdal e	2 D		7N0	0Nzp	SEj.			05j54j53 58:7p	5
1 arbol yisS&ye	2 D		50	0N5p	SEj.			05j54j53 58:7p	5
1 arbol tetracdCriye	2 D		5N0	0N7L	SEj.			05j54j53 58:7p	5
1 dCrobel Bel e	2 D		5N0	0NLh	SEj.			05j54j53 58:7p	5

Client Sample ID: REW-8-20130110-01
Date Collected: 01/10/13 12:30
Date Received: 01/11/13 08:00

Lab Sample ID: 480-31428-4
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1 dQrobromometdal e	2 D		5N0	0N8L	SEj.			05j54j53 58:7p	5
1 dQroyibromometdal e	2 D		0Nh0	0N37	SEj.			05j54j53 58:7p	5
1 dQroetdal e	2 D		7N0	0N37	SEj.			05j54j53 58:7p	5
1 dQro&rm	2 D		5N0	0N34	SEj.			05j54j53 58:7p	5
1 dQrometdal e	2 D		7N0	0N3h	SEj.			05j54j53 58:7p	5
cis-5u3-DicdQroxroxel e	2 D		0N40	0N3z	SEj.			05j54j53 58:7p	5
DicdQrobromometdal e	2 D		0Nh0	0N3p	SEj.			05j54j53 58:7p	5
DicdQroyi&Sorometdal e	2 D		5N0	0Nz8	SEj.			05j54j53 58:7p	5
v tdWQetder	2 D		5N0	0NL7	SEj.			05j54j53 58:7p	5
v tdWQel Bel e	2 D		5N0	0NL4	SEj.			05j54j53 58:7p	5
v tdWQel e Dibromiye	2 D		5N0	0NL3	SEj.			05j54j53 58:7p	5
Me(acdQrobStayiel e	2 D		0N40	0N78	SEj.			05j54j53 58:7p	5
IsoxroxWQetder	2 D		50	0Nhp	SEj.			05j54j53 58:7p	5
IsoxroxWQel Bel e	2 D		5N0	0NLp	SEj.			05j54j53 58:7p	5
K etdWQert-bStWQetder	2 D		5N0	0N5z	SEj.			05j54j53 58:7p	5
K etdWQel e 1 dQriye	2 D		5N0	0N44	SEj.			05j54j53 58:7p	5
m-VWQel e 6 x-VWQel e	2 D		7N0	0Nxz	SEj.			05j54j53 58:7p	5
2 axdtdaQel e	2 D		hN0	0N43	SEj.			05j54j53 58:7p	5
l -HStWQel Bel e	2 D		5N0	0Nz4	SEj.			05j54j53 58:7p	5
2 -, roxWQel Bel e	2 D		5N0	0Nxp	SEj.			05j54j53 58:7p	5
o-VWQel e	2 D		5N0	0NLz	SEj.			05j54j53 58:7p	5
sec-HStWQel Bel e	2 D		5N0	0NLh	SEj.			05j54j53 58:7p	5
gtWel e	2 D		5N0	0NL3	SEj.			05j54j53 58:7p	5
Tert-amWQmetdWQetder	2 D		hN0	0N7L	SEj.			05j54j53 58:7p	5
Tert-bStWQetdWQetder	2 D		hN0	0N7p	SEj.			05j54j53 58:7p	5
tert-HStWQel Bel e	2 D		5N0	0N85	SEj.			05j54j53 58:7p	5
Tetrachloroethene	**7.5**		5N0	0N3z	SEj.			05j54j53 58:7p	5
Tetrahydrofuran	**1.3**	**J**	50	5N3	SEj.			05j54j53 58:7p	5
ToSel e	2 D		5N0	0Nh5	SEj.			05j54j53 58:7p	5
trans-1,2-Dichloroethene	**11**		5N0	0Np0	SEj.			05j54j53 58:7p	5
tral s-5u3-DicdQroxroxel e	2 D		0N40	0N3L	SEj.			05j54j53 58:7p	5
TricdQro&Sorometdal e	2 D		5N0	0N88	SEj.			05j54j53 58:7p	5
Vinyl chloride	**44**		0Nh0	0Np0	SEj.			05j54j53 58:7p	5
Dibromometdal e	2 D		5N0	0N45	SEj.			05j54j53 58:7p	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*70 - 130*		*01/14/13 18:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*		*01/14/13 18:29*	*1*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*01/14/13 18:29*	*1*

Method: 8260C - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**370**		hN0	4N5	SEj.			05j5hj53 5h:4L	h
Trichloroethene	**340**		hN0	7N3	SEj.			05j5hj53 5h:4L	h

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*01/15/13 15:47*	*5*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*01/15/13 15:47*	*5*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*01/15/13 15:47*	*5*

Client Sample ID: REW-12-20130110-01
Date Collected: 01/10/13 08:55
Date Received: 01/11/13 08:00

Lab Sample ID: 480-31428-5
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
5u5u7-TetracdQroetdal e	2D		5N0	0N3h	SEj.			05j54j53 58:h4	5
5u5u5-TricdQroetdal e	2D		5N0	0N87	SEj.			05j54j53 58:h4	5
5u5u7u7-TetracdQroetdal e	2D		0Nh0	0N75	SEj.			05j54j53 58:h4	5
5u5u7-TricdQroetdal e	2D		5N0	0N73	SEj.			05j54j53 58:h4	5
1,1-Dichloroethane	**1.2**		5N0	0N38	SEj.			05j54j53 58:h4	5
1,1-Dichloroethene	**0.50**	**J**	5N0	0N7p	SEj.			05j54j53 58:h4	5
5u5-DicdQroxroxel e	2D		5N0	0NL7	SEj.			05j54j53 58:h4	5
5u7u8-TricdQrobel Bel e	2D		5N0	0N45	SEj.			05j54j53 58:h4	5
5u7u8-TricdQroxroxal e	2D		5N0	0N8p	SEj.			05j54j53 58:h4	5
5u7u4-TricdQrobel Bel e	2D		5N0	0N45	SEj.			05j54j53 58:h4	5
5u7u4-TrimetdWQel Bel e	2D		5N0	0NLh	SEj.			05j54j53 58:h4	5
5u7-Dibromo-3-1 dQroxroxal e	2D		hN0	0N3p	SEj.			05j54j53 58:h4	5
5u7-DicdQrobel Bel e	2D		5N0	0NLp	SEj.			05j54j53 58:h4	5
5u7-DicdQroetdal e	2D		5N0	0N75	SEj.			05j54j53 58:h4	5
5u7-DicdQroxroxal e	2D		5N0	0NL7	SEj.			05j54j53 58:h4	5
5u8uh-TrimetdWQel Bel e	2D		5N0	0NLL	SEj.			05j54j53 58:h4	5
5u8-DicdQrobel Bel e	2D		5N0	0NL8	SEj.			05j54j53 58:h4	5
5u8-DicdQroxroxal e	2D		5N0	0NLh	SEj.			05j54j53 58:h4	5
5u4-DicdQrobel Bel e	2D		5N0	0N84	SEj.			05j54j53 58:h4	5
5u4-Dio(al e	2D		h0	pN8	SEj.			05j54j53 58:h4	5
7u7-DicdQroxroxal e	2D		5N0	0N40	SEj.			05j54j53 58:h4	5
7-HStal ol e)K v f X	2D	*	50	5N8	SEj.			05j54j53 58:h4	5
7-1 dQrotoCel e	2D		5N0	0N8z	SEj.			05j54j53 58:h4	5
7-Me(al ol e	2D		50	5N7	SEj.			05j54j53 58:h4	5
4-1 dQrotoCel e	2D		5N0	0N84	SEj.			05j54j53 58:h4	5
4-IsoxroxWtoCel e	2D		5N0	0N85	SEj.			05j54j53 58:h4	5
4-K etdWQ7-xel tal ol e)K lHf X	2D		50	7N5	SEj.			05j54j53 58:h4	5
Acetol e	2D		h0	3N0	SEj.			05j54j53 58:h4	5
Benzene	**0.41**	**J**	5N0	0N45	SEj.			05j54j53 58:h4	5
Hromobel Bel e	2D		5N0	0N80	SEj.			05j54j53 58:h4	5
Hromo&rm	2D		5N0	0N7z	SEj.			05j54j53 58:h4	5
Hromometdal e	2D		7N0	0Nzp	SEj.			05j54j53 58:h4	5
1 arbol yisS&ye	2D		50	0N5p	SEj.			05j54j53 58:h4	5
1 arbol tetracdQriye	2D		5N0	0N7L	SEj.			05j54j53 58:h4	5
1 dQrobel Bel e	2D		5N0	0NLh	SEj.			05j54j53 58:h4	5
1 dQrobromometdal e	2D		5N0	0N8L	SEj.			05j54j53 58:h4	5
1 dQroyibromometdal e	2D		0Nh0	0N87	SEj.			05j54j53 58:h4	5
1 dQroetdal e	2D		7N0	0N87	SEj.			05j54j53 58:h4	5
1 dQro&rm	2D		5N0	0N84	SEj.			05j54j53 58:h4	5
1 dQrometdal e	2D		7N0	0N3h	SEj.			05j54j53 58:h4	5
cis-5u8-DicdQroxroxel e	2D		0N40	0N3z	SEj.			05j54j53 58:h4	5
DicdQrobromometdal e	2D		0Nh0	0N3p	SEj.			05j54j53 58:h4	5
DicdQroyi&Sorometdal e	2D		5N0	0Nz8	SEj.			05j54j53 58:h4	5
v tdWQetder	2D		5N0	0NL7	SEj.			05j54j53 58:h4	5
v tdWQel Bel e	2D		5N0	0NL4	SEj.			05j54j53 58:h4	5
v tdWQl e Dibromiye	2D		5N0	0NL3	SEj.			05j54j53 58:h4	5
Me(acdQrobStayiel e	2D		0N40	0N78	SEj.			05j54j53 58:h4	5
IsoxroxWQetder	2D		50	0Nhp	SEj.			05j54j53 58:h4	5
IsoxroxWQel Bel e	2D		5N0	0NLp	SEj.			05j54j53 58:h4	5

Client Sample ID: REW-12-20130110-01

Lab Sample ID: 480-31428-5

Date Collected: 01/10/13 08:55

Matrix: Water

Date Received: 01/11/13 08:00

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K etdWQ1ert-bStWQetder	2 D		5N0	0N5z	SEj.			05j54j53 58:h4	5
K etdWQl e 1 dQriye	2 D		5N0	0N44	SEj.			05j54j53 58:h4	5
m-VWQl e 6 x-VWQl e	2 D		7N0	0Nzz	SEj.			05j54j53 58:h4	5
2 axdtdaQl e	2 D		hN0	0N43	SEj.			05j54j53 58:h4	5
l -HStWQel Bel e	2 D		5N0	0Nz4	SEj.			05j54j53 58:h4	5
2 -, roxWQel Bel e	2 D		5N0	0Nzp	SEj.			05j54j53 58:h4	5
o-VWQl e	2 D		5N0	0NLz	SEj.			05j54j53 58:h4	5
sec-HStWQel Bel e	2 D		5N0	0NLh	SEj.			05j54j53 58:h4	5
gtWel e	2 D		5N0	0NL3	SEj.			05j54j53 58:h4	5
Tert-amWQmetdWQetder	2 D		hN0	0N7L	SEj.			05j54j53 58:h4	5
Tert-bStWQetdWQetder	2 D		hN0	0N7p	SEj.			05j54j53 58:h4	5
tert-HStWQel Bel e	2 D		5N0	0N85	SEj.			05j54j53 58:h4	5
Tetrachloroethene	**9.8**		5N0	0N3z	SEj.			05j54j53 58:h4	5
TetradWyro&ral	2 D		50	5N8	SEj.			05j54j53 58:h4	5
ToQel e	2 D		5N0	0Nh5	SEj.			05j54j53 58:h4	5
tral s-5u7-DicdQroetdel e	2 D		5N0	0Npp0	SEj.			05j54j53 58:h4	5
tral s-5u8-DicdQroxroxel e	2 D		0N40	0N3L	SEj.			05j54j53 58:h4	5
TricdQro&Sorometdal e	2 D		5N0	0N88	SEj.			05j54j53 58:h4	5
Vinyl chloride	**14**		0Nh0	0Npp0	SEj.			05j54j53 58:h4	5
Dibromometdal e	2 D		5N0	0N45	SEj.			05j54j53 58:h4	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*01/14/13 18:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*01/14/13 18:54*	*1*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*		*01/14/13 18:54*	*1*

Method: 8260C - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**270**		4N0	3N7	SEj.			05j5hj53 5z:57	4
Trichloroethene	**200**		4N0	5N8	SEj.			05j5hj53 5z:57	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*01/15/13 16:12*	*4*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*		*01/15/13 16:12*	*4*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*		*01/15/13 16:12*	*4*

Client Sample ID: MW-261S-20130110-01

Lab Sample ID: 480-31428-6

Date Collected: 01/10/13 10:35

Matrix: Water

Date Received: 01/11/13 08:00

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
5u5u7-TetracdQroetdal e	2 D		hN0	5N8	SEj.			05j54j53 5p:5p	h
5u5u5-TricdQroetdal e	2 D		hN0	4N5	SEj.			05j54j53 5p:5p	h
5u7u7-TetracdQroetdal e	2 D		7Nh	5N5	SEj.			05j54j53 5p:5p	h
5u5u7-TricdQroetdal e	2 D		hN0	5N7	SEj.			05j54j53 5p:5p	h
5u5-DicdQroetdal e	2 D		hN0	5Npp	SEj.			05j54j53 5p:5p	h
5u5-DicdQroetdel e	2 D		hN0	5Nh	SEj.			05j54j53 5p:5p	h
5u5-DicdQroxroxel e	2 D		hN0	3Nz	SEj.			05j54j53 5p:5p	h
5u7u8-TricdQrobel Bel e	2 D		hN0	7N5	SEj.			05j54j53 5p:5p	h

Client Sample ID: MW-261S-20130110-01
Date Collected: 01/10/13 10:35
Date Received: 01/11/13 08:00

Lab Sample ID: 480-31428-6
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
5u7u8-TricdCroxroxal e	2 D		hN0	4Nh	SEj.			05j54j53 5p:5p	h
5u7u4-TricdCrobel Bel e	2 D		hN0	7N5	SEj.			05j54j53 5p:5p	h
5u7u4-TrimetdWCel Bel e	2 D		hN0	3N8	SEj.			05j54j53 5p:5p	h
5u7-Dibromo-3-1 dCroxroxal e	2 D		7h	7N0	SEj.			05j54j53 5p:5p	h
5u7-DicdCrobel Bel e	2 D		hN0	4N0	SEj.			05j54j53 5p:5p	h
5u7-DicdCroetdal e	2 D		hN0	5N5	SEj.			05j54j53 5p:5p	h
5u7-DicdCroxroxal e	2 D		hN0	3Nz	SEj.			05j54j53 5p:5p	h
5u8uh-TrimetdWCel Bel e	2 D		hN0	3Np	SEj.			05j54j53 5p:5p	h
5u8-DicdCrobel Bel e	2 D		hN0	3Np	SEj.			05j54j53 5p:5p	h
5u8-DicdCroxroxal e	2 D		hN0	3N8	SEj.			05j54j53 5p:5p	h
5u4-DicdCrobel Bel e	2 D		hN0	4N7	SEj.			05j54j53 5p:5p	h
5u4-Dio(al e	2 D		7h0	4L	SEj.			05j54j53 5p:5p	h
7u7-DicdCroxroxal e	2 D		hN0	7N0	SEj.			05j54j53 5p:5p	h
2-Butanone (MEK)	**140**	*	h0	zNz	SEj.			05j54j53 5p:5p	h
7-1 dCrotoCSel e	2 D		hN0	4N3	SEj.			05j54j53 5p:5p	h
7-Me(al ol e	2 D		h0	zN7	SEj.			05j54j53 5p:5p	h
4-1 dCrotoCSel e	2 D		hN0	4N7	SEj.			05j54j53 5p:5p	h
4-IsoxroxWtoCSel e	2 D		hN0	5Nz	SEj.			05j54j53 5p:5p	h
4-K etdWC7-xel tal ol e)K IHf X	2 D		h0	55	SEj.			05j54j53 5p:5p	h
Hel Bel e	2 D		hN0	7N5	SEj.			05j54j53 5p:5p	h
Hromobel Bel e	2 D		hN0	4N0	SEj.			05j54j53 5p:5p	h
Hromo&rm	2 D		hN0	5N3	SEj.			05j54j53 5p:5p	h
Hromometdal e	2 D		50	3Nh	SEj.			05j54j53 5p:5p	h
1 arbol yisS&ye	2 D		h0	0Nph	SEj.			05j54j53 5p:5p	h
1 arbol tetracdCriye	2 D		hN0	5N4	SEj.			05j54j53 5p:5p	h
1 dCrobel Bel e	2 D		hN0	3N8	SEj.			05j54j53 5p:5p	h
1 dCrobromometdal e	2 D		hN0	4N4	SEj.			05j54j53 5p:5p	h
1 dCroyibromometdal e	2 D		7Nh	5Nz	SEj.			05j54j53 5p:5p	h
1 dCroetdal e	2 D		50	5Nz	SEj.			05j54j53 5p:5p	h
1 dCro&rm	2 D		hN0	5NL	SEj.			05j54j53 5p:5p	h
1 dCrometdal e	2 D		50	5N8	SEj.			05j54j53 5p:5p	h
cis-1,2-Dichloroethene	**30**		hN0	4N5	SEj.			05j54j53 5p:5p	h
cis-5u8-DicdCroxroxel e	2 D		7N0	5N8	SEj.			05j54j53 5p:5p	h
DicdCrobromometdal e	2 D		7Nh	7N0	SEj.			05j54j53 5p:5p	h
DicdCroyi&Sorometdal e	2 D		hN0	3N4	SEj.			05j54j53 5p:5p	h
v tdWCetder	2 D		hN0	3Nz	SEj.			05j54j53 5p:5p	h
v tdWCel Bel e	2 D		hN0	3NL	SEj.			05j54j53 5p:5p	h
v tdWCl e Dibromiye	2 D		hN0	3NL	SEj.			05j54j53 5p:5p	h
Me(acdCrobStayiel e	2 D		7N0	5N4	SEj.			05j54j53 5p:5p	h
IsoxroxWCetder	2 D		h0	3N0	SEj.			05j54j53 5p:5p	h
IsoxroxWCel Bel e	2 D		hN0	4N0	SEj.			05j54j53 5p:5p	h
K etdWCert-bStWCetder	2 D		hN0	0N80	SEj.			05j54j53 5p:5p	h
K etdWCl e 1 dCriye	2 D		hN0	7N7	SEj.			05j54j53 5p:5p	h
m-VWCl e 6 x-VWCl e	2 D		50	3N3	SEj.			05j54j53 5p:5p	h
2 axdtdaCl e	2 D		7h	7N7	SEj.			05j54j53 5p:5p	h
l -HStWCel Bel e	2 D		hN0	3N7	SEj.			05j54j53 5p:5p	h
2 -, roxWCel Bel e	2 D		hN0	3Nh	SEj.			05j54j53 5p:5p	h
o-VWCl e	2 D		hN0	3N8	SEj.			05j54j53 5p:5p	h
sec-HStWCel Bel e	2 D		hN0	3N8	SEj.			05j54j53 5p:5p	h

Client Sample ID: MW-261S-20130110-01

Lab Sample ID: 480-31428-6

Date Collected: 01/10/13 10:35

Matrix: Water

Date Received: 01/11/13 08:00

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gtWel e	2 D		hN0	3N1	SEj.			05j54j53 5p:5p	h
Tert-amWQmetdWQetder	2 D		7h	5N4	SEj.			05j54j53 5p:5p	h
Tert-bStWQetdWQetder	2 D		7h	5Nh	SEj.			05j54j53 5p:5p	h
tert-HStWQel Bel e	2 D		hN0	4N5	SEj.			05j54j53 5p:5p	h
TetracdQroetdel e	2 D		hN0	5N8	SEj.			05j54j53 5p:5p	h
Tetrahydrofuran	**10**	**J**	h0	zN3	SEj.			05j54j53 5p:5p	h
ToSel e	2 D		hN0	7Nz	SEj.			05j54j53 5p:5p	h
tral s-5u7-DicdQroetdel e	2 D		hN0	4Nh	SEj.			05j54j53 5p:5p	h
tral s-5u8-DicdQroxroxel e	2 D		7N0	5Np	SEj.			05j54j53 5p:5p	h
Trichloroethene	**6.3**		hN0	7N3	SEj.			05j54j53 5p:5p	h
TricdQro&Sorometdal e	2 D		hN0	4N4	SEj.			05j54j53 5p:5p	h
Vinyl chloride	**78**		7Nh	4Nh	SEj.			05j54j53 5p:5p	h
Dibromometdal e	2 D		hN0	7N5	SEj.			05j54j53 5p:5p	h

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*70 - 130*		*01/14/13 19:19*	*5*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*01/14/13 19:19*	*5*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*		*01/14/13 19:19*	*5*

Method: 8260C - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**170000**		70000	5700	SEj.			05j5hj53 5z:3L	400

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*01/15/13 16:37*	*400*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*01/15/13 16:37*	*400*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*		*01/15/13 16:37*	*400*

Client Sample ID: MW-265M-20130110-01

Lab Sample ID: 480-31428-7

Date Collected: 01/10/13 12:10

Matrix: Water

Date Received: 01/11/13 08:00

Method: 8260C - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
5u5u5u7-TetracdQroetdal e	2 D		500	3h	SEj.			05j5hj53 5L:07	500
5u5u5-TricdQroetdal e	2 D		500	87	SEj.			05j5hj53 5L:07	500
5u5u7u7-TetracdQroetdal e	2 D		h0	75	SEj.			05j5hj53 5L:07	500
5u5u7-TricdQroetdal e	2 D		500	73	SEj.			05j5hj53 5L:07	500
5u5-DicdQroetdal e	2 D		500	38	SEj.			05j5hj53 5L:07	500
5u5-DicdQroetdel e	2 D		500	7p	SEj.			05j5hj53 5L:07	500
5u5-DicdQroxroxel e	2 D		500	L7	SEj.			05j5hj53 5L:07	500
5u7u8-TricdQrobel Bel e	2 D		500	45	SEj.			05j5hj53 5L:07	500
5u7u8-TricdQroxroxal e	2 D		500	8p	SEj.			05j5hj53 5L:07	500
5u7u4-TricdQrobel Bel e	2 D		500	45	SEj.			05j5hj53 5L:07	500
5u7u4-TrimetdWQel Bel e	2 D		500	Lh	SEj.			05j5hj53 5L:07	500
5u7-Dibromo-3-1 dQroxroxal e	2 D		h00	3p	SEj.			05j5hj53 5L:07	500
5u7-DicdQrobel Bel e	2 D		500	Lp	SEj.			05j5hj53 5L:07	500
5u7-DicdQroetdal e	2 D		500	75	SEj.			05j5hj53 5L:07	500
5u7-DicdQroxroxal e	2 D		500	L7	SEj.			05j5hj53 5L:07	500
5u8uh-TrimetdWQel Bel e	2 D		500	LL	SEj.			05j5hj53 5L:07	500

Client Sample ID: MW-265M-20130110-01
Date Collected: 01/10/13 12:10
Date Received: 01/11/13 08:00

Lab Sample ID: 480-31428-7
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
5u8-DicdQrobel Bel e	2D		500	L8	SEj.			05j5hj53 5L:07	500
5u8-DicdQroxroxal e	2D		500	Lh	SEj.			05j5hj53 5L:07	500
5u4-DicdQrobel Bel e	2D		500	84	SEj.			05j5hj53 5L:07	500
5u4-Dio(al e	2D		h000	p30	SEj.			05j5hj53 5L:07	500
7u7-DicdQroxroxal e	2D		500	40	SEj.			05j5hj53 5L:07	500
7-HStal ol e)K v f X	2D	*	5000	530	SEj.			05j5hj53 5L:07	500
7-1 dQrotoCSel e	2D		500	8z	SEj.			05j5hj53 5L:07	500
7-Me(al ol e	2D		5000	570	SEj.			05j5hj53 5L:07	500
4-1 dQrotoCSel e	2D		500	84	SEj.			05j5hj53 5L:07	500
4-IsoxroxWtoCSel e	2D		500	35	SEj.			05j5hj53 5L:07	500
4-K etdWQ7-xel tal ol e)K IHf X	2D		5000	750	SEj.			05j5hj53 5L:07	500
Acetone	**46000**		h000	300	SEj.			05j5hj53 5L:07	500
Hel Bel e	2D		500	45	SEj.			05j5hj53 5L:07	500
Hromobel Bel e	2D		500	80	SEj.			05j5hj53 5L:07	500
Hromo&rm	2D		500	7z	SEj.			05j5hj53 5L:07	500
Hromometdal e	2D		700	zp	SEj.			05j5hj53 5L:07	500
1 arbol yisS&ye	2D		5000	5p	SEj.			05j5hj53 5L:07	500
1 arbol tetracdQriye	2D		500	7L	SEj.			05j5hj53 5L:07	500
1 dQrobel Bel e	2D		500	Lh	SEj.			05j5hj53 5L:07	500
1 dQrobromometdal e	2D		500	8L	SEj.			05j5hj53 5L:07	500
1 dQroyibromometdal e	2D		h0	37	SEj.			05j5hj53 5L:07	500
1 dQroetdal e	2D		700	37	SEj.			05j5hj53 5L:07	500
1 dQro&rm	2D		500	34	SEj.			05j5hj53 5L:07	500
1 dQrometdal e	2D		700	3h	SEj.			05j5hj53 5L:07	500
cis-5u7-DicdQroetdel e	2D		500	85	SEj.			05j5hj53 5L:07	500
cis-5u8-DicdQroxroxel e	2D		40	3z	SEj.			05j5hj53 5L:07	500
DicdQrobromometdal e	2D		h0	3p	SEj.			05j5hj53 5L:07	500
DicdQroyi&Sorometdal e	2D		500	z8	SEj.			05j5hj53 5L:07	500
v tdWQetder	2D		500	L7	SEj.			05j5hj53 5L:07	500
v tdWQel Bel e	2D		500	L4	SEj.			05j5hj53 5L:07	500
v tdWQl e Dibromiye	2D		500	L3	SEj.			05j5hj53 5L:07	500
Me(acdQrobStayiel e	2D		40	78	SEj.			05j5hj53 5L:07	500
IsoxroxWQetder	2D		5000	hp	SEj.			05j5hj53 5L:07	500
IsoxroxWQel Bel e	2D		500	Lp	SEj.			05j5hj53 5L:07	500
K etdWQert-bStWQetder	2D		500	5z	SEj.			05j5hj53 5L:07	500
K etdWQl e 1 dQriye	2D		500	44	SEj.			05j5hj53 5L:07	500
m-VWQl e 6 x-VWQl e	2D		700	zz	SEj.			05j5hj53 5L:07	500
2 axdtdaQl e	2D		h00	43	SEj.			05j5hj53 5L:07	500
l -HStWQel Bel e	2D		500	z4	SEj.			05j5hj53 5L:07	500
2 -, roxWQel Bel e	2D		500	zp	SEj.			05j5hj53 5L:07	500
o-VWQl e	2D		500	Lz	SEj.			05j5hj53 5L:07	500
sec-HStWQel Bel e	2D		500	Lh	SEj.			05j5hj53 5L:07	500
gtWel e	2D		500	L3	SEj.			05j5hj53 5L:07	500
Tert-amWQmetdWQetder	2D		h00	7L	SEj.			05j5hj53 5L:07	500
Tert-bStWQetdWQetder	2D		h00	7p	SEj.			05j5hj53 5L:07	500
tert-HStWQel Bel e	2D		500	85	SEj.			05j5hj53 5L:07	500
TetracdQroetdel e	2D		500	3z	SEj.			05j5hj53 5L:07	500
TetradWyro&ral	2D		5000	530	SEj.			05j5hj53 5L:07	500
ToCSel e	2D		500	h5	SEj.			05j5hj53 5L:07	500

Client Sample ID: MW-265M-20130110-01

Lab Sample ID: 480-31428-7

Date Collected: 01/10/13 12:10

Matrix: Water

Date Received: 01/11/13 08:00

Method: 8260C - Volatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tral s-5u7-DicdCroetdel e	2D		500	p0	SEj.			05j5hj53 5L:07	500
tral s-5u8-DicdCroxroxel e	2D		40	3L	SEj.			05j5hj53 5L:07	500
TricdCroetdel e	2D		500	4z	SEj.			05j5hj53 5L:07	500
TricdCro&Sorometdal e	2D		500	88	SEj.			05j5hj53 5L:07	500
9il WCcdCriye	2D		h0	p0	SEj.			05j5hj53 5L:07	500
Dibromometdal e	2D		500	45	SEj.			05j5hj53 5L:07	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*01/15/13 17:02*	*100*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*01/15/13 17:02*	*100*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*		*01/15/13 17:02*	*100*

Client Sample ID: MW-552-20130110-01

Lab Sample ID: 480-31428-8

Date Collected: 01/10/13 09:45

Matrix: Water

Date Received: 01/11/13 08:00

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
5u5u5u7-TetracdCroetdal e	2D		40	54	SEj.			05j5hj53 5L:7L	40
5u5u5-TricdCroetdal e	2D		40	33	SEj.			05j5hj53 5L:7L	40
5u5u7u7-TetracdCroetdal e	2D		70	8N	SEj.			05j5hj53 5L:7L	40
5u5u7-TricdCroetdal e	2D		40	pN	SEj.			05j5hj53 5L:7L	40
5u5-DicdCroetdal e	2D		40	5h	SEj.			05j5hj53 5L:7L	40
5u5-DicdCroetdel e	2D		40	57	SEj.			05j5hj53 5L:7L	40
5u5-DicdCroxroxel e	2D		40	7p	SEj.			05j5hj53 5L:7L	40
5u7u8-TricdCrobel Bel e	2D		40	5z	SEj.			05j5hj53 5L:7L	40
5u7u8-TricdCroxroxal e	2D		40	3z	SEj.			05j5hj53 5L:7L	40
5u7u4-TricdCrobel Bel e	2D		40	5z	SEj.			05j5hj53 5L:7L	40
5u7u4-TrimetdWCel Bel e	2D		40	30	SEj.			05j5hj53 5L:7L	40
5u7-Dibromo-3-1 dCroxroxal e	2D		700	5z	SEj.			05j5hj53 5L:7L	40
5u7-DicdCrobel Bel e	2D		40	37	SEj.			05j5hj53 5L:7L	40
5u7-DicdCroetdal e	2D		40	8N	SEj.			05j5hj53 5L:7L	40
5u7-DicdCroxroxal e	2D		40	7p	SEj.			05j5hj53 5L:7L	40
5u8uh-TrimetdWCel Bel e	2D		40	35	SEj.			05j5hj53 5L:7L	40
5u8-DicdCrobel Bel e	2D		40	35	SEj.			05j5hj53 5L:7L	40
5u8-DicdCroxroxal e	2D		40	30	SEj.			05j5hj53 5L:7L	40
5u4-DicdCrobel Bel e	2D		40	34	SEj.			05j5hj53 5L:7L	40
5u4-Dio(al e	2D		7000	3L0	SEj.			05j5hj53 5L:7L	40
7u7-DicdCroxroxal e	2D		40	5z	SEj.			05j5hj53 5L:7L	40
7-HStal ol e)Kv f X	2D	*	400	h3	SEj.			05j5hj53 5L:7L	40
7-1 dCrotoCSel e	2D		40	34	SEj.			05j5hj53 5L:7L	40
7-Me(al ol e	2D		400	h0	SEj.			05j5hj53 5L:7L	40
4-1 dCrotoCSel e	2D		40	34	SEj.			05j5hj53 5L:7L	40
4-IsoxroxWCoCSel e	2D		40	57	SEj.			05j5hj53 5L:7L	40
4-K etdWC7-xel tal ol e)K IHf X	2D		400	84	SEj.			05j5hj53 5L:7L	40
Acetone	**18000**		7000	570	SEj.			05j5hj53 5L:7L	40
Hel Bel e	2D		40	5z	SEj.			05j5hj53 5L:7L	40
Hromobel Bel e	2D		40	37	SEj.			05j5hj53 5L:7L	40
Hromo&rm	2D		40	50	SEj.			05j5hj53 5L:7L	40
Hromometdal e	2D		80	78	SEj.			05j5hj53 5L:7L	40

1 Qel t: Il l onatine v l Eil eeril E g oCStiol sull c
, roPectjg ite: IDg / aWQal y

TestAmerica Job ID: 480-35478-5

Client Sample ID: MW-552-20130110-01
Date Collected: 01/10/13 09:45
Date Received: 01/11/13 08:00

Lab Sample ID: 480-31428-8
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1 arbol yisS8ye	2 D		400	Lhz	SEj.			05j5hj53 5L:7L	40
1 arbol tetracdQriye	2 D		40	55	SEj.			05j5hj53 5L:7L	40
1 dQrobel Bel e	2 D		40	30	SEj.			05j5hj53 5L:7L	40
1 dQrobromometdal e	2 D		40	3h	SEj.			05j5hj53 5L:7L	40
1 dQroyibromometdal e	2 D		70	53	SEj.			05j5hj53 5L:7L	40
1 dQroetdal e	2 D		80	53	SEj.			05j5hj53 5L:7L	40
1 dQro&rm	2 D		40	54	SEj.			05j5hj53 5L:7L	40
1 dQrometdal e	2 D		80	54	SEj.			05j5hj53 5L:7L	40
cis-1,2-Dichloroethene	**1400**		40	37	SEj.			05j5hj53 5L:7L	40
cis-5u8-DicdQroxroxel e	2 D		5z	54	SEj.			05j5hj53 5L:7L	40
DicdQrobromometdal e	2 D		70	5z	SEj.			05j5hj53 5L:7L	40
DicdQroyi&Sorometdal e	2 D		40	7L	SEj.			05j5hj53 5L:7L	40
v tdWQetder	2 D		40	7p	SEj.			05j5hj53 5L:7L	40
v tdWQel Bel e	2 D		40	30	SEj.			05j5hj53 5L:7L	40
v tdWQel e Dibromiye	2 D		40	7p	SEj.			05j5hj53 5L:7L	40
Me(acdQrobStayiel e	2 D		5z	55	SEj.			05j5hj53 5L:7L	40
IsoxroxWQetder	2 D		400	74	SEj.			05j5hj53 5L:7L	40
IsoxroxWQel Bel e	2 D		40	37	SEj.			05j5hj53 5L:7L	40
K etdWQert-bStWQetder	2 D		40	zN	SEj.			05j5hj53 5L:7L	40
K etdWQel e 1 dQriye	2 D		40	58	SEj.			05j5hj53 5L:7L	40
m-VWQel e 6 x-VWQel e	2 D		80	7z	SEj.			05j5hj53 5L:7L	40
2 axdtdaQel e	2 D		700	5L	SEj.			05j5hj53 5L:7L	40
l -HStWQel Bel e	2 D		40	7z	SEj.			05j5hj53 5L:7L	40
2 -, roxWQel Bel e	2 D		40	78	SEj.			05j5hj53 5L:7L	40
o-VWQel e	2 D		40	30	SEj.			05j5hj53 5L:7L	40
sec-HStWQel Bel e	2 D		40	30	SEj.			05j5hj53 5L:7L	40
gtWel e	2 D		40	7p	SEj.			05j5hj53 5L:7L	40
Tert-amWQmetdWQetder	2 D		700	55	SEj.			05j5hj53 5L:7L	40
Tert-bStWQetdWQetder	2 D		700	57	SEj.			05j5hj53 5L:7L	40
tert-HStWQel Bel e	2 D		40	37	SEj.			05j5hj53 5L:7L	40
TetracdQroetdel e	2 D		40	54	SEj.			05j5hj53 5L:7L	40
TetradWyro&ral	2 D		400	h0	SEj.			05j5hj53 5L:7L	40
ToSel e	2 D		40	70	SEj.			05j5hj53 5L:7L	40
tral s-5u7-DicdQroetdel e	2 D		40	3z	SEj.			05j5hj53 5L:7L	40
tral s-5u8-DicdQroxroxel e	2 D		5z	5h	SEj.			05j5hj53 5L:7L	40
Trichloroethene	**71**		40	58	SEj.			05j5hj53 5L:7L	40
TricdQro&Sorometdal e	2 D		40	3h	SEj.			05j5hj53 5L:7L	40
Vinyl chloride	**160**		70	3z	SEj.			05j5hj53 5L:7L	40
Dibromometdal e	2 D		40	5z	SEj.			05j5hj53 5L:7L	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*70 - 130*		*01/15/13 17:27*	*40*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*01/15/13 17:27*	*40*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*		*01/15/13 17:27*	*40*

Client Sample ID: MW-562-20130110-01
Date Collected: 01/10/13 11:25
Date Received: 01/11/13 08:00

Lab Sample ID: 480-31428-9
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
5u5u5u7-TetracdQroetdal e	2D		40	54	SEj.			05j5hj53 5L:h7	40
5u5u5-TricdQroetdal e	2D		40	33	SEj.			05j5hj53 5L:h7	40
5u5u7u7-TetracdQroetdal e	2D		70	8N4	SEj.			05j5hj53 5L:h7	40
5u5u7-TricdQroetdal e	2D		40	pN7	SEj.			05j5hj53 5L:h7	40
5u5-DicdQroetdal e	2D		40	5h	SEj.			05j5hj53 5L:h7	40
5u5-DicdQroetdel e	2D		40	57	SEj.			05j5hj53 5L:h7	40
5u5-DicdQroxroxel e	2D		40	7p	SEj.			05j5hj53 5L:h7	40
5u7u8-TricdQrobel Bel e	2D		40	5z	SEj.			05j5hj53 5L:h7	40
5u7u8-TricdQroxroxal e	2D		40	3z	SEj.			05j5hj53 5L:h7	40
5u7u4-TricdQrobel Bel e	2D		40	5z	SEj.			05j5hj53 5L:h7	40
5u7u4-TrimetdWQel Bel e	2D		40	30	SEj.			05j5hj53 5L:h7	40
5u7-Dibromo-3-1 dQroxroxal e	2D		700	5z	SEj.			05j5hj53 5L:h7	40
5u7-DicdQrobel Bel e	2D		40	37	SEj.			05j5hj53 5L:h7	40
5u7-DicdQroetdal e	2D		40	8N4	SEj.			05j5hj53 5L:h7	40
5u7-DicdQroxroxal e	2D		40	7p	SEj.			05j5hj53 5L:h7	40
5u8uh-TrimetdWQel Bel e	2D		40	35	SEj.			05j5hj53 5L:h7	40
5u8-DicdQrobel Bel e	2D		40	35	SEj.			05j5hj53 5L:h7	40
5u8-DicdQroxroxal e	2D		40	30	SEj.			05j5hj53 5L:h7	40
5u4-DicdQrobel Bel e	2D		40	34	SEj.			05j5hj53 5L:h7	40
5u4-Dio(al e	2D		7000	3L0	SEj.			05j5hj53 5L:h7	40
7u7-DicdQroxroxal e	2D		40	5z	SEj.			05j5hj53 5L:h7	40
2-Butanone (MEK)	**120**	**J ***	400	h3	SEj.			05j5hj53 5L:h7	40
7-1 dQrotoCel e	2D		40	34	SEj.			05j5hj53 5L:h7	40
7-Me(al ol e	2D		400	h0	SEj.			05j5hj53 5L:h7	40
4-1 dQrotoCel e	2D		40	34	SEj.			05j5hj53 5L:h7	40
4-IsoxroxWtoCel e	2D		40	57	SEj.			05j5hj53 5L:h7	40
4-K etdWQ7-xel tal ol e)K lHf X	2D		400	84	SEj.			05j5hj53 5L:h7	40
Acetone	**16000**		7000	570	SEj.			05j5hj53 5L:h7	40
Hel Bel e	2D		40	5z	SEj.			05j5hj53 5L:h7	40
Hromobel Bel e	2D		40	37	SEj.			05j5hj53 5L:h7	40
Hromo&rm	2D		40	50	SEj.			05j5hj53 5L:h7	40
Hromometdal e	2D		80	78	SEj.			05j5hj53 5L:h7	40
1 arbol yisS&ye	2D		400	LN1	SEj.			05j5hj53 5L:h7	40
1 arbol tetracdQriye	2D		40	55	SEj.			05j5hj53 5L:h7	40
1 dQrobel Bel e	2D		40	30	SEj.			05j5hj53 5L:h7	40
1 dQrobromometdal e	2D		40	3h	SEj.			05j5hj53 5L:h7	40
1 dQroyibromometdal e	2D		70	53	SEj.			05j5hj53 5L:h7	40
1 dQroetdal e	2D		80	53	SEj.			05j5hj53 5L:h7	40
1 dQro&rm	2D		40	54	SEj.			05j5hj53 5L:h7	40
1 dQrometdal e	2D		80	54	SEj.			05j5hj53 5L:h7	40
cis-5u7-DicdQroetdel e	2D		40	37	SEj.			05j5hj53 5L:h7	40
cis-5u8-DicdQroxroxel e	2D		5z	54	SEj.			05j5hj53 5L:h7	40
DicdQrobromometdal e	2D		70	5z	SEj.			05j5hj53 5L:h7	40
DicdQroyi&Sorometdal e	2D		40	7L	SEj.			05j5hj53 5L:h7	40
v tdWQetder	2D		40	7p	SEj.			05j5hj53 5L:h7	40
v tdWQel Bel e	2D		40	30	SEj.			05j5hj53 5L:h7	40
v tdWQl e Dibromiye	2D		40	7p	SEj.			05j5hj53 5L:h7	40
Me(acdQrobStayiel e	2D		5z	55	SEj.			05j5hj53 5L:h7	40
IsoxroxWQetder	2D		400	74	SEj.			05j5hj53 5L:h7	40

Client Sample ID: MW-562-20130110-01

Lab Sample ID: 480-31428-9

Date Collected: 01/10/13 11:25

Matrix: Water

Date Received: 01/11/13 08:00

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
IsoxroxWQel Bel e	2 D		40	37	SEj.			05j5hj53 5L:h7	40
K etdWQert-bStWQetder	2 D		40	zN4	SEj.			05j5hj53 5L:h7	40
K etdWQel e 1 dQriye	2 D		40	58	SEj.			05j5hj53 5L:h7	40
m-VWQel e 6 x-VWQel e	2 D		80	7z	SEj.			05j5hj53 5L:h7	40
2 axdtdaQel e	2 D		700	5L	SEj.			05j5hj53 5L:h7	40
l -HStWQel Bel e	2 D		40	7z	SEj.			05j5hj53 5L:h7	40
2 -, roxWQel Bel e	2 D		40	78	SEj.			05j5hj53 5L:h7	40
o-VWQel e	2 D		40	30	SEj.			05j5hj53 5L:h7	40
sec-HStWQel Bel e	2 D		40	30	SEj.			05j5hj53 5L:h7	40
gtWel e	2 D		40	7p	SEj.			05j5hj53 5L:h7	40
Tert-amWQmetdWQetder	2 D		700	55	SEj.			05j5hj53 5L:h7	40
Tert-bStWQetdWQetder	2 D		700	57	SEj.			05j5hj53 5L:h7	40
tert-HStWQel Bel e	2 D		40	37	SEj.			05j5hj53 5L:h7	40
TetracdQroetdel e	2 D		40	54	SEj.			05j5hj53 5L:h7	40
TetradWyro&ral	2 D		400	h0	SEj.			05j5hj53 5L:h7	40
ToQel e	2 D		40	70	SEj.			05j5hj53 5L:h7	40
tral s-5u7-DicdQroetdel e	2 D		40	3z	SEj.			05j5hj53 5L:h7	40
tral s-5u8-DicdQroxroxel e	2 D		5z	5h	SEj.			05j5hj53 5L:h7	40
TricdQroetdel e	2 D		40	58	SEj.			05j5hj53 5L:h7	40
TricdQro&Sorometdal e	2 D		40	3h	SEj.			05j5hj53 5L:h7	40
9il WQcdQriye	2 D		70	3z	SEj.			05j5hj53 5L:h7	40
Dibromometdal e	2 D		40	5z	SEj.			05j5hj53 5L:h7	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*70 - 130*		*01/15/13 17:52*	*40*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*01/15/13 17:52*	*40*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*		*01/15/13 17:52*	*40*

Client Sample ID: MW-563-20130110-01

Lab Sample ID: 480-31428-10

Date Collected: 01/10/13 09:00

Matrix: Water

Date Received: 01/11/13 08:00

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
5u5u5u7-TetracdQroetdal e	2 D		hN0	5N8	SEj.			05j5hj53 58:5L	h
5u5u5-TricdQroetdal e	2 D		hN0	4N5	SEj.			05j5hj53 58:5L	h
5u5u7u7-TetracdQroetdal e	2 D		7Nh	5N5	SEj.			05j5hj53 58:5L	h
5u5u7-TricdQroetdal e	2 D		hN0	5N7	SEj.			05j5hj53 58:5L	h
1,1-Dichloroethane	3.4 J		hN0	5Np	SEj.			05j5hj53 58:5L	h
1,1-Dichloroethene	1.9 J		hN0	5Nh	SEj.			05j5hj53 58:5L	h
5u5-DicdQroxroxel e	2 D		hN0	3Nz	SEj.			05j5hj53 58:5L	h
5u7u8-TricdQrobel Bel e	2 D		hN0	7N5	SEj.			05j5hj53 58:5L	h
5u7u8-TricdQroxroxal e	2 D		hN0	4Nh	SEj.			05j5hj53 58:5L	h
5u7u4-TricdQrobel Bel e	2 D		hN0	7N5	SEj.			05j5hj53 58:5L	h
5u7u4-TrimetdWQel Bel e	2 D		hN0	3N8	SEj.			05j5hj53 58:5L	h
5u7-Dibromo-3-1 dQroxroxal e	2 D		7h	7N0	SEj.			05j5hj53 58:5L	h
5u7-DicdQrobel Bel e	2 D		hN0	4N0	SEj.			05j5hj53 58:5L	h
5u7-DicdQroetdal e	2 D		hN0	5N5	SEj.			05j5hj53 58:5L	h
5u7-DicdQroxroxal e	2 D		hN0	3Nz	SEj.			05j5hj53 58:5L	h
5u8uh-TrimetdWQel Bel e	2 D		hN0	3Np	SEj.			05j5hj53 58:5L	h

Client Sample ID: MW-563-20130110-01
Date Collected: 01/10/13 09:00
Date Received: 01/11/13 08:00

Lab Sample ID: 480-31428-10
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
5u8-DicdQrobel Bel e	2D		hN0	3hp	SEj.			05j5hj53 58:5L	h
5u8-DicdQroxroxal e	2D		hN0	3N8	SEj.			05j5hj53 58:5L	h
5u4-DicdQrobel Bel e	2D		hN0	4N7	SEj.			05j5hj53 58:5L	h
5u4-Dio(al e	2D		7h0	4L	SEj.			05j5hj53 58:5L	h
7u7-DicdQroxroxal e	2D		hN0	7N0	SEj.			05j5hj53 58:5L	h
7-HStal ol e)K v f X	2D	*	h0	zhz	SEj.			05j5hj53 58:5L	h
7-1 dQrotoCel e	2D		hN0	4N3	SEj.			05j5hj53 58:5L	h
7-Me(al ol e	2D		h0	zN7	SEj.			05j5hj53 58:5L	h
4-1 dQrotoCel e	2D		hN0	4N7	SEj.			05j5hj53 58:5L	h
4-IsoxroxWQoCel e	2D		hN0	5hz	SEj.			05j5hj53 58:5L	h
4-K etdWC7-xel tal ol e)K IHf X	2D		h0	55	SEj.			05j5hj53 58:5L	h
Acetone	**61**	**J**	7h0	5h	SEj.			05j5hj53 58:5L	h
Hel Bel e	2D		hN0	7N5	SEj.			05j5hj53 58:5L	h
Hromobel Bel e	2D		hN0	4N0	SEj.			05j5hj53 58:5L	h
Hromo&rm	2D		hN0	5N3	SEj.			05j5hj53 58:5L	h
Hromometdal e	2D		50	3Nh	SEj.			05j5hj53 58:5L	h
1 arbol yisS&ye	2D		h0	0Nph	SEj.			05j5hj53 58:5L	h
1 arbol tetracdQriye	2D		hN0	5N4	SEj.			05j5hj53 58:5L	h
1 dQrobel Bel e	2D		hN0	3N8	SEj.			05j5hj53 58:5L	h
1 dQrobromometdal e	2D		hN0	4N4	SEj.			05j5hj53 58:5L	h
1 dQroyibromometdal e	2D		7Nh	5hz	SEj.			05j5hj53 58:5L	h
1 dQroetdal e	2D		50	5hz	SEj.			05j5hj53 58:5L	h
1 dQro&rm	2D		hN0	5NL	SEj.			05j5hj53 58:5L	h
1 dQrometdal e	2D		50	5N8	SEj.			05j5hj53 58:5L	h
cis-1,2-Dichloroethene	**380**		hN0	4N5	SEj.			05j5hj53 58:5L	h
cis-5u8-DicdQroxroxel e	2D		7N0	5N8	SEj.			05j5hj53 58:5L	h
DicdQrobromometdal e	2D		7Nh	7N0	SEj.			05j5hj53 58:5L	h
DicdQroyi&Soromet dal e	2D		hN0	3N4	SEj.			05j5hj53 58:5L	h
v tdWQetder	2D		hN0	3hz	SEj.			05j5hj53 58:5L	h
v tdWQel Bel e	2D		hN0	3NL	SEj.			05j5hj53 58:5L	h
v tdWQl e Dibromiye	2D		hN0	3NL	SEj.			05j5hj53 58:5L	h
Me(acdQrobStayiel e	2D		7N0	5N4	SEj.			05j5hj53 58:5L	h
IsoxroxWQetder	2D		h0	3N0	SEj.			05j5hj53 58:5L	h
IsoxroxWQel Bel e	2D		hN0	4N0	SEj.			05j5hj53 58:5L	h
K etdWQert-bStWQetder	2D		hN0	0N80	SEj.			05j5hj53 58:5L	h
K etdWQl e 1 dQriye	2D		hN0	7N7	SEj.			05j5hj53 58:5L	h
m-VWQl e 6 x-VWQl e	2D		50	3N3	SEj.			05j5hj53 58:5L	h
2 axdtdaQl e	2D		7h	7N7	SEj.			05j5hj53 58:5L	h
l -HStWQel Bel e	2D		hN0	3N7	SEj.			05j5hj53 58:5L	h
2-, roxWQel Bel e	2D		hN0	3Nh	SEj.			05j5hj53 58:5L	h
o-VWQl e	2D		hN0	3N8	SEj.			05j5hj53 58:5L	h
sec-HStWQel Bel e	2D		hN0	3N8	SEj.			05j5hj53 58:5L	h
gtWel e	2D		hN0	3NL	SEj.			05j5hj53 58:5L	h
Tert-amWQmetdWQetder	2D		7h	5N4	SEj.			05j5hj53 58:5L	h
Tert-bStWQetdWQetder	2D		7h	5Nh	SEj.			05j5hj53 58:5L	h
tert-HStWQel Bel e	2D		hN0	4N5	SEj.			05j5hj53 58:5L	h
Tetrachloroethene	**3.0**	**J**	hN0	5N8	SEj.			05j5hj53 58:5L	h
TetradWyro&ral	2D		h0	zN3	SEj.			05j5hj53 58:5L	h
ToCel e	2D		hN0	7hz	SEj.			05j5hj53 58:5L	h

Client Sample ID: MW-563-20130110-01

Lab Sample ID: 480-31428-10

Date Collected: 01/10/13 09:00

Matrix: Water

Date Received: 01/11/13 08:00

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tral s-5u7-DicdCroetdel e	2 D		hN0	4Nhi	SEj.			05j5hj53 58:5L	h
tral s-5u8-DicdCroxroxel e	2 D		7N0	5Nhp	SEj.			05j5hj53 58:5L	h
Trichloroethene	**150**		hN0	7N3	SEj.			05j5hj53 58:5L	h
TricdCro&Sorometdal e	2 D		hN0	4N4	SEj.			05j5hj53 58:5L	h
Vinyl chloride	**47**		7Nhi	4Nhi	SEj.			05j5hj53 58:5L	h
Dibromometdal e	2 D		hN0	7N5	SEj.			05j5hj53 58:5L	h

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*01/15/13 18:17*	*5*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*01/15/13 18:17*	*5*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*		*01/15/13 18:17*	*5*

Client Sample ID: DUP-X-20130110-01

Lab Sample ID: 480-31428-11

Date Collected: 01/10/13 00:00

Matrix: Water

Date Received: 01/11/13 08:00

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
5u5u5u7-TetracdCroetdal e	2 D		5N0	0N3h	SEj.			05j54j53 75:7z	5
5u5u5-TricdCroetdal e	2 D		5N0	0N87	SEj.			05j54j53 75:7z	5
5u5u7u7-TetracdCroetdal e	2 D		0Nh0	0N75	SEj.			05j54j53 75:7z	5
5u5u7-TricdCroetdal e	2 D		5N0	0N73	SEj.			05j54j53 75:7z	5
1,1-Dichloroethane	**1.3**		5N0	0N38	SEj.			05j54j53 75:7z	5
1,1-Dichloroethene	**0.39**	**J**	5N0	0N7p	SEj.			05j54j53 75:7z	5
5u5-DicdCroxroxel e	2 D		5N0	0NL7	SEj.			05j54j53 75:7z	5
5u7u8-TricdCrobel Bel e	2 D		5N0	0N45	SEj.			05j54j53 75:7z	5
5u7u8-TricdCroxroxal e	2 D		5N0	0N8p	SEj.			05j54j53 75:7z	5
5u7u4-TricdCrobel Bel e	2 D		5N0	0N45	SEj.			05j54j53 75:7z	5
5u7u4-TrimetdWCbel Bel e	2 D		5N0	0NLh	SEj.			05j54j53 75:7z	5
5u7-Dibromo-3-1 dCroxroxal e	2 D		hN0	0N3p	SEj.			05j54j53 75:7z	5
5u7-DicdCrobel Bel e	2 D		5N0	0NLp	SEj.			05j54j53 75:7z	5
5u7-DicdCroetdal e	2 D		5N0	0N75	SEj.			05j54j53 75:7z	5
5u7-DicdCroxroxal e	2 D		5N0	0NL7	SEj.			05j54j53 75:7z	5
5u8uh-TrimetdWCbel Bel e	2 D		5N0	0NLL	SEj.			05j54j53 75:7z	5
5u8-DicdCrobel Bel e	2 D		5N0	0NL8	SEj.			05j54j53 75:7z	5
5u8-DicdCroxroxal e	2 D		5N0	0NLh	SEj.			05j54j53 75:7z	5
5u4-DicdCrobel Bel e	2 D		5N0	0N84	SEj.			05j54j53 75:7z	5
5u4-Dio(al e	2 D		h0	pN3	SEj.			05j54j53 75:7z	5
7u7-DicdCroxroxal e	2 D		5N0	0N40	SEj.			05j54j53 75:7z	5
7-HStal ol e)K v f X	2 D	*	50	5N3	SEj.			05j54j53 75:7z	5
7-1 dCrotoCSel e	2 D		5N0	0N8z	SEj.			05j54j53 75:7z	5
7-Me(al ol e	2 D		50	5N7	SEj.			05j54j53 75:7z	5
4-1 dCrotoCSel e	2 D		5N0	0N84	SEj.			05j54j53 75:7z	5
4-IsoxroxWCoCSel e	2 D		5N0	0N85	SEj.			05j54j53 75:7z	5
4-K etdWC7-xel tal ol e)K IHf X	2 D		50	7N5	SEj.			05j54j53 75:7z	5
Acetol e	2 D		h0	3N0	SEj.			05j54j53 75:7z	5
Benzene	**0.41**	**J**	5N0	0N45	SEj.			05j54j53 75:7z	5
Hromobel Bel e	2 D		5N0	0N80	SEj.			05j54j53 75:7z	5
Hromo&rm	2 D		5N0	0N7z	SEj.			05j54j53 75:7z	5
Hromometdal e	2 D		7N0	0Nhp	SEj.			05j54j53 75:7z	5

Client Sample ID: DUP-X-20130110-01
Date Collected: 01/10/13 00:00
Date Received: 01/11/13 08:00

Lab Sample ID: 480-31428-11
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1 arbol yisS&ye	2 D		50	0N5p	SEj.			05j54j53 75:7z	5
1 arbol tetracdQriye	2 D		5N0	0N7L	SEj.			05j54j53 75:7z	5
1 dQrobel Bel e	2 D		5N0	0NLh	SEj.			05j54j53 75:7z	5
1 dQrobromometdal e	2 D		5N0	0N8L	SEj.			05j54j53 75:7z	5
1 dQroyibromometdal e	2 D		0N10	0N37	SEj.			05j54j53 75:7z	5
1 dQroetdal e	2 D		7N0	0N37	SEj.			05j54j53 75:7z	5
1 dQro&rm	2 D		5N0	0N34	SEj.			05j54j53 75:7z	5
1 dQrometdal e	2 D		7N0	0N3h	SEj.			05j54j53 75:7z	5
cis-5u3-DicdQroxroxel e	2 D		0N40	0N3z	SEj.			05j54j53 75:7z	5
DicdQrobromometdal e	2 D		0N10	0N3p	SEj.			05j54j53 75:7z	5
DicdQroyi&Sorometdal e	2 D		5N0	0Nz8	SEj.			05j54j53 75:7z	5
v tdWQetder	2 D		5N0	0NL7	SEj.			05j54j53 75:7z	5
v tdWQel Bel e	2 D		5N0	0NL4	SEj.			05j54j53 75:7z	5
v tdWQl e Dibromiye	2 D		5N0	0NL3	SEj.			05j54j53 75:7z	5
Me(acdQrobStayiel e	2 D		0N40	0N78	SEj.			05j54j53 75:7z	5
IsoxroxWQetder	2 D		50	0N4p	SEj.			05j54j53 75:7z	5
IsoxroxWQel Bel e	2 D		5N0	0NLp	SEj.			05j54j53 75:7z	5
K etdWQert-bStWQetder	2 D		5N0	0N5z	SEj.			05j54j53 75:7z	5
K etdWQl e 1 dQriye	2 D		5N0	0N44	SEj.			05j54j53 75:7z	5
m-VWQl e 6 x-VWQl e	2 D		7N0	0Nxz	SEj.			05j54j53 75:7z	5
2 axdtdaQl e	2 D		hN0	0N43	SEj.			05j54j53 75:7z	5
l -HStWQel Bel e	2 D		5N0	0Nz4	SEj.			05j54j53 75:7z	5
2 -, roxWQel Bel e	2 D		5N0	0Nxp	SEj.			05j54j53 75:7z	5
o-VWQl e	2 D		5N0	0NLz	SEj.			05j54j53 75:7z	5
sec-HStWQel Bel e	2 D		5N0	0NLh	SEj.			05j54j53 75:7z	5
gtWel e	2 D		5N0	0NL3	SEj.			05j54j53 75:7z	5
Tert-amWQmetdWQetder	2 D		hN0	0N7L	SEj.			05j54j53 75:7z	5
Tert-bStWQetdWQetder	2 D		hN0	0N7p	SEj.			05j54j53 75:7z	5
tert-HStWQel Bel e	2 D		5N0	0N85	SEj.			05j54j53 75:7z	5
Tetrachloroethene	**9.5**		5N0	0N3z	SEj.			05j54j53 75:7z	5
TetradWyro&ral	2 D		50	5N3	SEj.			05j54j53 75:7z	5
ToSel e	2 D		5N0	0Nh5	SEj.			05j54j53 75:7z	5
tral s-5u7-DicdQroetdel e	2 D		5N0	0Np0	SEj.			05j54j53 75:7z	5
tral s-5u3-DicdQroxroxel e	2 D		0N40	0N3L	SEj.			05j54j53 75:7z	5
TricdQro&Sorometdal e	2 D		5N0	0N88	SEj.			05j54j53 75:7z	5
Vinyl chloride	**14**		0Nh0	0Np0	SEj.			05j54j53 75:7z	5
Dibromometdal e	2 D		5N0	0N45	SEj.			05j54j53 75:7z	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*01/14/13 21:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*01/14/13 21:26*	*1*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*		*01/14/13 21:26*	*1*

Method: 8260C - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**260**		4N0	3N7	SEj.			05j5hj53 58:43	4
Trichloroethene	**200**		4N0	5N8	SEj.			05j5hj53 58:43	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*01/15/13 18:43*	*4*

Client Sample ID: DUP-X-20130110-01

Date Collected: 01/10/13 00:00
Date Received: 01/11/13 08:00

Lab Sample ID: 480-31428-11
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*		*01/15/13 18:43*	*4*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*		*01/15/13 18:43*	*4*

Client Sample ID: Trip Blanks

Date Collected: 01/10/13 00:00
Date Received: 01/11/13 08:00

Lab Sample ID: 480-31428-12
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
5u5u7-TetracdCroetdal e	2D		5N0	0N3h	SEj.			05j5hj53 5p:08	5
5u5u5-TricdCroetdal e	2D		5N0	0N87	SEj.			05j5hj53 5p:08	5
5u7u7-TetracdCroetdal e	2D		0Nh0	0N75	SEj.			05j5hj53 5p:08	5
5u5u7-TricdCroetdal e	2D		5N0	0N73	SEj.			05j5hj53 5p:08	5
5u5-DicdCroetdal e	2D		5N0	0N38	SEj.			05j5hj53 5p:08	5
5u5-DicdCroetdel e	2D		5N0	0N7p	SEj.			05j5hj53 5p:08	5
5u5-DicdCroxroxel e	2D		5N0	0NL7	SEj.			05j5hj53 5p:08	5
5u7u8-TricdCrobel Bel e	2D		5N0	0N45	SEj.			05j5hj53 5p:08	5
5u7u8-TricdCroxroxal e	2D		5N0	0N8p	SEj.			05j5hj53 5p:08	5
5u7u4-TricdCrobel Bel e	2D		5N0	0N45	SEj.			05j5hj53 5p:08	5
5u7u4-TrimetdWCbel Bel e	2D		5N0	0NLh	SEj.			05j5hj53 5p:08	5
5u7-Dibromo-3-1 dCroxroxal e	2D		hN0	0N3p	SEj.			05j5hj53 5p:08	5
5u7-DicdCrobel Bel e	2D		5N0	0NLp	SEj.			05j5hj53 5p:08	5
5u7-DicdCroetdal e	2D		5N0	0N75	SEj.			05j5hj53 5p:08	5
5u7-DicdCroxroxal e	2D		5N0	0NL7	SEj.			05j5hj53 5p:08	5
5u8uh-TrimetdWCbel Bel e	2D		5N0	0NLL	SEj.			05j5hj53 5p:08	5
5u8-DicdCrobel Bel e	2D		5N0	0NL8	SEj.			05j5hj53 5p:08	5
5u8-DicdCroxroxal e	2D		5N0	0NLh	SEj.			05j5hj53 5p:08	5
5u4-DicdCrobel Bel e	2D		5N0	0N84	SEj.			05j5hj53 5p:08	5
5u4-Dio(al e	2D		h0	pN3	SEj.			05j5hj53 5p:08	5
7u7-DicdCroxroxal e	2D		5N0	0N40	SEj.			05j5hj53 5p:08	5
7-HStal ol e)K v f X	2D	*	50	5N3	SEj.			05j5hj53 5p:08	5
7-1 dCrotoCSel e	2D		5N0	0N8z	SEj.			05j5hj53 5p:08	5
7-Me(al ol e	2D		50	5N7	SEj.			05j5hj53 5p:08	5
4-1 dCrotoCSel e	2D		5N0	0N84	SEj.			05j5hj53 5p:08	5
4-IsoxroxWCoCSel e	2D		5N0	0N35	SEj.			05j5hj53 5p:08	5
4-K etdWC7-xel tal ol e)K IHf X	2D		50	7N5	SEj.			05j5hj53 5p:08	5
Acetone	**5.2**	**J**	h0	3N0	SEj.			05j5hj53 5p:08	5
Hel Bel e	2D		5N0	0N45	SEj.			05j5hj53 5p:08	5
Hromobel Bel e	2D		5N0	0N80	SEj.			05j5hj53 5p:08	5
Hromo&rm	2D		5N0	0N7z	SEj.			05j5hj53 5p:08	5
Hromometdal e	2D		7N0	0Nxp	SEj.			05j5hj53 5p:08	5
1arbol yisS&ye	2D		50	0N5p	SEj.			05j5hj53 5p:08	5
1arbol tetracdCriye	2D		5N0	0N7L	SEj.			05j5hj53 5p:08	5
1dCrobel Bel e	2D		5N0	0NLh	SEj.			05j5hj53 5p:08	5
1dCrobromometdal e	2D		5N0	0N8L	SEj.			05j5hj53 5p:08	5
1dCroyibromometdal e	2D		0Nh0	0N37	SEj.			05j5hj53 5p:08	5
1dCroetdal e	2D		7N0	0N37	SEj.			05j5hj53 5p:08	5
1dCro&rm	2D		5N0	0N34	SEj.			05j5hj53 5p:08	5
1dCrometdal e	2D		7N0	0N3h	SEj.			05j5hj53 5p:08	5

Client Sample ID: Trip Blanks
Date Collected: 01/10/13 00:00
Date Received: 01/11/13 08:00

Lab Sample ID: 480-31428-12
Matrix: Water

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-5u7-DicdCroetdel e	2 D		5N0	0N85	SEj.			05j5hj53 5p:08	5
cis-5u8-DicdCroxroxel e	2 D		0N40	0N3z	SEj.			05j5hj53 5p:08	5
DicdCrobromometdal e	2 D		0N10	0N3p	SEj.			05j5hj53 5p:08	5
DicdCroyia&Soromet dal e	2 D		5N0	0N28	SEj.			05j5hj53 5p:08	5
v tdWQetder	2 D		5N0	0NL7	SEj.			05j5hj53 5p:08	5
v tdWQel Bel e	2 D		5N0	0NL4	SEj.			05j5hj53 5p:08	5
v tdWQel e Dibromiye	2 D		5N0	0NL3	SEj.			05j5hj53 5p:08	5
Me(acdCrobStayiel e	2 D		0N40	0N78	SEj.			05j5hj53 5p:08	5
IsoxroxWQetder	2 D		50	0N4p	SEj.			05j5hj53 5p:08	5
IsoxroxWQel Bel e	2 D		5N0	0NLp	SEj.			05j5hj53 5p:08	5
K etdWQert-bStWQetder	2 D		5N0	0N5z	SEj.			05j5hj53 5p:08	5
K etdWQel e 1 dCriye	2 D		5N0	0N44	SEj.			05j5hj53 5p:08	5
m-VWQel e 6 x-VWQel e	2 D		7N0	0N2z	SEj.			05j5hj53 5p:08	5
2 axdtdaQel e	2 D		hN0	0N43	SEj.			05j5hj53 5p:08	5
l -HStWQel Bel e	2 D		5N0	0N24	SEj.			05j5hj53 5p:08	5
2 -, roxWQel Bel e	2 D		5N0	0N2p	SEj.			05j5hj53 5p:08	5
o-VWQel e	2 D		5N0	0NLz	SEj.			05j5hj53 5p:08	5
sec-HStWQel Bel e	2 D		5N0	0NLh	SEj.			05j5hj53 5p:08	5
gtWel e	2 D		5N0	0NL3	SEj.			05j5hj53 5p:08	5
Tert-amWQmetdWQetder	2 D		hN0	0N7L	SEj.			05j5hj53 5p:08	5
Tert-bStWQetdWQetder	2 D		hN0	0N7p	SEj.			05j5hj53 5p:08	5
tert-HStWQel Bel e	2 D		5N0	0N85	SEj.			05j5hj53 5p:08	5
TetracdCroetdel e	2 D		5N0	0N3z	SEj.			05j5hj53 5p:08	5
TetradWyro&Sral	2 D		50	5N8	SEj.			05j5hj53 5p:08	5
ToSel e	2 D		5N0	0N15	SEj.			05j5hj53 5p:08	5
tral s-5u7-DicdCroetdel e	2 D		5N0	0Np0	SEj.			05j5hj53 5p:08	5
tral s-5u8-DicdCroxroxel e	2 D		0N40	0N3L	SEj.			05j5hj53 5p:08	5
TricdCroetdel e	2 D		5N0	0N4z	SEj.			05j5hj53 5p:08	5
TricdCro&Soromet dal e	2 D		5N0	0N88	SEj.			05j5hj53 5p:08	5
9il WCcdCriye	2 D		0N10	0Np0	SEj.			05j5hj53 5p:08	5
Dibromomet dal e	2 D		5N0	0N45	SEj.			05j5hj53 5p:08	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*01/15/13 19:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*		*01/15/13 19:08*	*1*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*		*01/15/13 19:08*	*1*

Method: 8260C - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	12DCE	BFB
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
480-35478-5	2v/ -5-70530550-05	d8	507	d7
480-35478-5 - DX	2v/ -5-70530550-05	d8	503	d5
480-35478-5 9 g	2v/ -5-70530550-05	dM	d6	d5
480-35478-5 9 gD	2v/ -5-70530550-05	dM	dM	d5
480-35478-7	2v/ -U-70530550-05	d7	d8	86
480-35478-3	2v/ -6-70530550-05	505	505	d5
480-35478-3 - DX	2v/ -6-70530550-05	dM	dd	d0
480-35478-4	2v/ -8-70530550-05	d8	507	d3
480-35478-4 - DX	2v/ -8-70530550-05	d6	500	d7
480-35478-M	2v/ -57-70530550-05	dU	dd	8d
480-35478-M- DX	2v/ -57-70530550-05	d4	d8	8U
480-35478-U	9 / -7U5g-70530550-05	d8	503	d5
480-35478-U - DX	9 / -7U5g-70530550-05	dM	503	8d
480-35478-6 - DX	9 / -7UM9 -70530550-05	dU	500	d0
480-35478-8	9 / -MW7-70530550-05	d3	500	88
480-35478-d	9 / -MU7-70530550-05	d3	dd	88
480-35478-50	9 / -MU3-70530550-05	d4	500	86
480-35478-55	Dp, -B-70530550-05	d6	500	d5
480-35478-55 - DX	Dp, -B-70530550-05	d4	d8	88
480-35478-57	Trik L@al hs	dM	507	8d
X1g 480-dd364j4	Xab 1ol troCgamk@e	505	503	500
X1g 480-ddMU6j4	Xab 1ol troCgamk@e	d8	dd	dM
X1gD 480-dd364jM	Xab 1ol troCgamk@e DSk	d6	d6	d4
X1gD 480-ddMU6jM	Xab 1ol troCgamk@e DSk	dd	505	dU
9L 480-dd364j6	9etFoy L@al h	d6	dd	d0
9L 480-ddMU6j6	9etFoy L@al h	dU	d8	d0

Surrogate Legend

T= Xf ToCSel e-y8 (gSrr)

57D1v f 5u7-DicFCroetFal e-y4 (gSrr)

LRL f 4-LromoCSorobel zel e (gSrr)

Method: 8260C - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-99374/7
Matrix: Water
Analysis Batch: 99374

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
5u5u5u7-TetracdQroetdal e	x D		5N0	0N3.	SEj6			05j54j53 53:3L	5
5u5u5-TricdQroetdal e	x D		5N0	0N87	SEj6			05j54j53 53:3L	5
5u5u7u7-TetracdQroetdal e	x D		0N10	0N75	SEj6			05j54j53 53:3L	5
5u5u7-TricdQroetdal e	x D		5N0	0N73	SEj6			05j54j53 53:3L	5
5u5-DicdQroetdal e	x D		5N0	0N38	SEj6			05j54j53 53:3L	5
5u5-DicdQroetdel e	x D		5N0	0N79	SEj6			05j54j53 53:3L	5
5u5-DicdQro2ro2el e	x D		5N0	0NL7	SEj6			05j54j53 53:3L	5
5u7u8-TricdQrobel hel e	x D		5N0	0N45	SEj6			05j54j53 53:3L	5
5u7u8-TricdQro2ro2al e	x D		5N0	0N89	SEj6			05j54j53 53:3L	5
5u7u4-TricdQrobel hel e	x D		5N0	0N45	SEj6			05j54j53 53:3L	5
5u7u4-TrimetdWQel hel e	x D		5N0	0NL.	SEj6			05j54j53 53:3L	5
5u7-Dibromo-3-1 dQro2ro2al e	x D		.N0	0N39	SEj6			05j54j53 53:3L	5
5u7-DicdQrobel hel e	x D		5N0	0NL9	SEj6			05j54j53 53:3L	5
5u7-DicdQroetdal e	x D		5N0	0N75	SEj6			05j54j53 53:3L	5
5u7-DicdQro2ro2al e	x D		5N0	0NL7	SEj6			05j54j53 53:3L	5
5u8u -TrimetdWQel hel e	x D		5N0	0NLL	SEj6			05j54j53 53:3L	5
5u8-DicdQrobel hel e	x D		5N0	0NL8	SEj6			05j54j53 53:3L	5
5u8-DicdQro2ro2al e	x D		5N0	0NL.	SEj6			05j54j53 53:3L	5
5u4-DicdQrobel hel e	x D		5N0	0N84	SEj6			05j54j53 53:3L	5
5u4-Diopal e	x D		. 0	9N3	SEj6			05j54j53 53:3L	5
7u7-DicdQro2ro2al e	x D		5N0	0N40	SEj6			05j54j53 53:3L	5
7-z Stal ol e Bf v (M	x D		50	5N3	SEj6			05j54j53 53:3L	5
7-1 dQrotoGel e	x D		5N0	0N8K	SEj6			05j54j53 53:3L	5
7-) epal ol e	x D		50	5N7	SEj6			05j54j53 53:3L	5
4-1 dQrotoGel e	x D		5N0	0N84	SEj6			05j54j53 53:3L	5
4-Iso2ro2WQoGel e	x D		5N0	0N35	SEj6			05j54j53 53:3L	5
4-f etdWQ7-2el tal ol e Bf Iz (M	x D		50	7N5	SEj6			05j54j53 53:3L	5
Acetol e	x D		. 0	3N0	SEj6			05j54j53 53:3L	5
zel hel e	x D		5N0	0N45	SEj6			05j54j53 53:3L	5
zromobel hel e	x D		5N0	0N80	SEj6			05j54j53 53:3L	5
zromoHorm	x D		5N0	0N7K	SEj6			05j54j53 53:3L	5
zromometdal e	x D		7N0	0NK9	SEj6			05j54j53 53:3L	5
1 arbol yisSGHye	x D		50	0N59	SEj6			05j54j53 53:3L	5
1 arbol tetracdQriye	x D		5N0	0N7L	SEj6			05j54j53 53:3L	5
1 dQrobel hel e	x D		5N0	0NL.	SEj6			05j54j53 53:3L	5
1 dQrobromometdal e	x D		5N0	0N8L	SEj6			05j54j53 53:3L	5
1 dQroyibromometdal e	x D		0N10	0N37	SEj6			05j54j53 53:3L	5
1 dQroetdal e	x D		7N0	0N37	SEj6			05j54j53 53:3L	5
1 dQroHorm	x D		5N0	0N34	SEj6			05j54j53 53:3L	5
1 dQrometdal e	x D		7N0	0N3.	SEj6			05j54j53 53:3L	5
cis-5u7-DicdQroetdel e	x D		5N0	0N85	SEj6			05j54j53 53:3L	5
cis-5u8-DicdQro2ro2el e	x D		0N40	0N3K	SEj6			05j54j53 53:3L	5
DicdQrobromometdal e	x D		0N10	0N39	SEj6			05j54j53 53:3L	5
DicdQroyiHSorometdal e	x D		5N0	0NK8	SEj6			05j54j53 53:3L	5
v tdWQetder	x D		5N0	0NL7	SEj6			05j54j53 53:3L	5
v tdWQel hel e	x D		5N0	0NL4	SEj6			05j54j53 53:3L	5
v tdWQel e Dibromiye	x D		5N0	0NL3	SEj6			05j54j53 53:3L	5
) epacdQrobStayiel e	x D		0N40	0N78	SEj6			05j54j53 53:3L	5

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-99374/7
Matrix: Water
Analysis Batch: 99374

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iso2ro2WQetder	x D		50	0N19	SEj6			05j54j53 53:3L	5
Iso2ro2WQel hel e	x D		5N0	0NL9	SEj6			05j54j53 53:3L	5
f etdWQert-bStWQetder	x D		5N0	0N5K	SEj6			05j54j53 53:3L	5
f etdWQel e 1 dQriye	x D		5N0	0N44	SEj6			05j54j53 53:3L	5
m-XWQel e & 2-XWQel e	x D		7N0	0NKK	SEj6			05j54j53 53:3L	5
x a2dtdaQel e	x D		. N0	0N43	SEj6			05j54j53 53:3L	5
l -z StWQel hel e	x D		5N0	0NK4	SEj6			05j54j53 53:3L	5
x -, ro2WQel hel e	x D		5N0	0NK9	SEj6			05j54j53 53:3L	5
o-XWQel e	x D		5N0	0NLK	SEj6			05j54j53 53:3L	5
sec-z StWQel hel e	x D		5N0	0NL.	SEj6			05j54j53 53:3L	5
gtWel e	x D		5N0	0NL3	SEj6			05j54j53 53:3L	5
Tert-amWQmetdWQetder	x D		. N0	0N7L	SEj6			05j54j53 53:3L	5
Tert-bStWQetdWQetder	x D		. N0	0N79	SEj6			05j54j53 53:3L	5
tert-z StWQel hel e	x D		5N0	0N85	SEj6			05j54j53 53:3L	5
TetracdQroetdel e	x D		5N0	0N3K	SEj6			05j54j53 53:3L	5
TetradWyroHSral	x D		50	5N3	SEj6			05j54j53 53:3L	5
ToQel e	x D		5N0	0N.5	SEj6			05j54j53 53:3L	5
tral s-5u7-DicdQroetdel e	x D		5N0	0N90	SEj6			05j54j53 53:3L	5
tral s-5u8-DicdQro2ro2el e	x D		0N40	0N3L	SEj6			05j54j53 53:3L	5
TricdQroetdel e	x D		5N0	0N4K	SEj6			05j54j53 53:3L	5
TricdQroHSorometdal e	x D		5N0	0N88	SEj6			05j54j53 53:3L	5
Vil WQcdQriye	x D		0N.0	0N90	SEj6			05j54j53 53:3L	5
Dibromometdal e	x D		5N0	0N45	SEj6			05j54j53 53:3L	5

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*01/14/13 13:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*01/14/13 13:37*	*1*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*		*01/14/13 13:37*	*1*

Lab Sample ID: LCS 480-99374/4
Matrix: Water
Analysis Batch: 99374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
5u5u7-TetracdQroetdal e	7. N0	7LN		SEj6		550	L0 - 530
5u5u5-TricdQroetdal e	7. N0	7KNK		SEj6		50K	L0 - 530
5u7u7-TetracdQroetdal e	7. N0	7KN		SEj6		50K	L0 - 530
5u5u7-TricdQroetdal e	7. N0	7KN		SEj6		50K	L0 - 530
5u5-DicdQroetdal e	7. N0	7KNK		SEj6		50K	L0 - 530
5u5-DicdQroetdel e	7. N0	7. N8		SEj6		503	L0 - 530
5u5-DicdQro2ro2el e	7. N0	78N0		SEj6		557	L0 - 530
5u7u8-TricdQrobel hel e	7. N0	7KN0		SEj6		504	L0 - 530
5u7u8-TricdQro2ro2al e	7. N0	7. N9		SEj6		504	L0 - 530
5u7u4-TricdQrobel hel e	7. N0	7. N9		SEj6		504	L0 - 530
5u7u4-TrimetdWQel hel e	7. N0	7KN9		SEj6		508	L0 - 530
5u7-Dibromo-3-1 dQro2ro2al e	7. N0	7. N8		SEj6		503	L0 - 530
5u7-DicdQrobel hel e	7. N0	7. N9		SEj6		504	L0 - 530
5u7-DicdQroetdal e	7. N0	7. N8		SEj6		503	L0 - 530

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-99374/4
Matrix: Water
Analysis Batch: 99374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
5u7-DicdQro2ro2al e	7. N0	7KN8		SEj6		50L	L0 - 530
5u8u -TrimetdWQel hel e	7. N0	7KNL		SEj6		50L	L0 - 530
5u8-DicdQrobel hel e	7. N0	7KN5		SEj6		504	L0 - 530
5u8-DicdQro2ro2al e	7. N0	7KN3		SEj6		50.	L0 - 530
5u4-DicdQrobel hel e	7. N0	7KN5		SEj6		504	L0 - 530
5u4-Diopal e	5000	9. 7		SEj6		9.	L0 - 530
7u7-DicdQro2ro2al e	7. N0	7LN7		SEj6		509	L0 - 530
7-z Stal ol e Bf v (M	57.	588	*	SEj6		5. 0	L0 - 530
7-1 dQrotoCel e	7. N0	30N7		SEj6		575	L0 - 530
7-) epal ol e	57.	540		SEj6		557	L0 - 530
4-1 dQrotoCel e	7. N0	7LN5		SEj6		508	L0 - 530
4-Iso2ro2WQoCel e	7. N0	7LNK		SEj6		550	L0 - 530
4-f etdWQ7-2el tal ol e Bf Iz (M	57.	539		SEj6		557	L0 - 530
Acetol e	57.	579		SEj6		504	L0 - 530
zel hel e	7. N0	7KN4		SEj6		50K	L0 - 530
zromobel hel e	7. N0	7. NL		SEj6		503	L0 - 530
zromoHorm	7. N0	78N3		SEj6		553	L0 - 530
zromometdal e	7. N0	7LN5		SEj6		509	L0 - 530
1 arbol yisCHye	7. N0	73N3		SEj6		93	L0 - 530
1 arbol tetracdQriye	7. N0	7KN		SEj6		50K	L0 - 530
1 dQrobel hel e	7. N0	7KN4		SEj6		50.	L0 - 530
1 dQrobromometdal e	7. N0	7LN3		SEj6		509	L0 - 530
1 dQroyibromometdal e	7. N0	78N3		SEj6		553	L0 - 530
1 dQroetdal e	7. N0	7. N3		SEj6		505	L0 - 530
1 dQroHorm	7. N0	7. N8		SEj6		503	L0 - 530
1 dQrometdal e	7. N0	7. N3		SEj6		505	L0 - 530
cis-5u7-DicdQroetdel e	7. N0	7KN8		SEj6		50L	L0 - 530
cis-5u8-DicdQro2ro2el e	7. N0	78N7		SEj6		553	L0 - 530
DicdQrobromometdal e	7. N0	7LN7		SEj6		509	L0 - 530
DicdQroyiHSorometdal e	. 0N0	. 7N3		SEj6		50.	L0 - 530
v tdWQetder	7. N0	7LN7		SEj6		509	L0 - 530
v tdWQel hel e	7. N0	7KN8		SEj6		50L	L0 - 530
v tdWQl e Dibromiye	7. N0	7KNL		SEj6		50L	L0 - 530
) epacdQrobStayiel e	7. N0	7KN3		SEj6		50.	L0 - 530
Iso2ro2WQetder	7. N0	7KN8		SEj6		50L	L0 - 530
Iso2ro2WQel hel e	7. N0	7KN		SEj6		50K	L0 - 530
f etdWQert-bStWQetder	7. N0	7KN		SEj6		50K	L0 - 530
f etdWQl e 1 dQriye	7. N0	7KN		SEj6		50K	L0 - 530
m-XWQl e & 2-XWQl e	. 0N0	. 4N3		SEj6		509	L0 - 530
x a2dtdaQl e	7. N0	7KN4		SEj6		50K	L0 - 530
l -z StWQel hel e	7. N0	7LN7		SEj6		509	L0 - 530
x -, ro2WQel hel e	7. N0	7LN4		SEj6		550	L0 - 530
o-XWQl e	7. N0	7LNL		SEj6		555	L0 - 530
sec-z StWQel hel e	7. N0	7KN8		SEj6		50L	L0 - 530
gtWel e	7. N0	78N5		SEj6		557	L0 - 530
Tert-amWQmetdWQetder	7. N0	7. N		SEj6		507	L0 - 530
Tert-bStWQetdWQetder	7. N0	7. N7		SEj6		505	L0 - 530
tert-z StWQel hel e	7. N0	7LN7		SEj6		509	L0 - 530

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-99374/4
Matrix: Water
Analysis Batch: 99374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
TetracdCroetdel e	7. N0	78N5		SEj6		557	L0 - 530
TetradWyroHSral	57.	53L		SEj6		550	L0 - 530
ToCSel e	7. N0	7LN7		SEj6		509	L0 - 530
tral s-5u7-DicdCroetdel e	7. N0	7KN4		SEj6		50K	L0 - 530
tral s-5u8-DicdCro2ro2el e	7. N0	79NK		SEj6		558	L0 - 530
TricdCroetdel e	7. N0	7KNK		SEj6		50L	L0 - 530
TricdCroHSorometdal e	7. N0	7. N8		SEj6		503	L0 - 530
Vil WCcdCriye	7. N0	74N9		SEj6		500	L0 - 530
Dibromometdal e	7. N0	7KN3		SEj6		50.	L0 - 530

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 480-99374/5
Matrix: Water
Analysis Batch: 99374

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
5u5u7-TetracdCroetdal e	7. N0	7KN0		SEj6		504	L0 - 530	.	70
5u5u5-TricdCroetdal e	7. N0	74N8		SEj6		99	L0 - 530	L	70
5u5u7u7-TetracdCroetdal e	7. N0	7. NK		SEj6		507	L0 - 530	3	70
5u5u7-TricdCroetdal e	7. N0	7. NL		SEj6		503	L0 - 530	3	70
5u5-DicdCroetdal e	7. N0	74NL		SEj6		99	L0 - 530	8	70
5u5-DicdCroetdel e	7. N0	73N0		SEj6		97	L0 - 530	57	70
5u5-DicdCro2ro2el e	7. N0	7KN3		SEj6		50.	L0 - 530	K	70
5u7u8-TricdCrobel hel e	7. N0	7. N4		SEj6		507	L0 - 530	7	70
5u7u8-TricdCro2ro2al e	7. N0	7. N7		SEj6		505	L0 - 530	3	70
5u7u4-TricdCrobel hel e	7. N0	7. N4		SEj6		507	L0 - 530	7	70
5u7u4-TrimetdWCbel hel e	7. N0	7. N		SEj6		507	L0 - 530	.	70
5u7-Dibromo-3-1 dCro2ro2al e	7. N0	7KN0		SEj6		504	L0 - 530	5	70
5u7-DicdCrobel hel e	7. N0	74N9		SEj6		500	L0 - 530	4	70
5u7-DicdCroetdal e	7. N0	74NL		SEj6		99	L0 - 530	4	70
5u7-DicdCro2ro2al e	7. N0	7. N5		SEj6		500	L0 - 530	K	70
5u8u -TrimetdWCbel hel e	7. N0	7. N4		SEj6		507	L0 - 530	.	70
5u8-DicdCrobel hel e	7. N0	74N8		SEj6		99	L0 - 530	.	70
5u8-DicdCro2ro2al e	7. N0	7. N3		SEj6		505	L0 - 530	4	70
5u4-DicdCrobel hel e	7. N0	74N8		SEj6		99	L0 - 530	.	70
5u4-Diopal e	5000	89.		SEj6		89	L0 - 530	K	70
7u7-DicdCro2ro2al e	7. N0	7. N4		SEj6		507	L0 - 530	L	70
7-z Stal ol e Bf v (M	57.	587	*	SEj6		54K	L0 - 530	3	70
7-1 dCrotoCSel e	7. N0	78N3		SEj6		553	L0 - 530	K	70
7-) epal ol e	57.	53K		SEj6		509	L0 - 530	7	70
4-1 dCrotoCSel e	7. N0	7. N4		SEj6		507	L0 - 530	K	70
4-Iso2ro2WCoCSel e	7. N0	7. N9		SEj6		504	L0 - 530	K	70
4-f etdWC7-2el tal ol e Bf Iz (M	57.	53.		SEj6		508	L0 - 530	3	70
Acetol e	57.	57K		SEj6		505	L0 - 530	3	70

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-99374/5
Matrix: Water
Analysis Batch: 99374

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
zel hel e	7. N0	74N8		SEj6		99	L0 - 530	K	70
z romobel hel e	7. N0	74NL		SEj6		99	L0 - 530	4	70
z romoh orm	7. N0	7LN3		SEj6		509	L0 - 530	3	70
z rometdal e	7. N0	7. N3		SEj6		505	L0 - 530	L	70
1 arbol yisSGHye	7. N0	75N9		SEj6		88	L0 - 530	K	70
1 arbol tetracdGriye	7. N0	7. N3		SEj6		505	L0 - 530	.	70
1 dGrobel hel e	7. N0	74N8		SEj6		99	L0 - 530	K	70
1 dGrobromometdal e	7. N0	7. N		SEj6		507	L0 - 530	L	70
1 dGroyibromometdal e	7. N0	7KN8		SEj6		50L	L0 - 530	K	70
1 dGroetdal e	7. N0	73N7		SEj6		93	L0 - 530	9	70
1 dGroh orm	7. N0	74NK		SEj6		98	L0 - 530	.	70
1 dGrometdal e	7. N0	74N0		SEj6		9K	L0 - 530	.	70
cis-5u7-DicdGroetdel e	7. N0	74N9		SEj6		500	L0 - 530	L	70
cis-5u8-DicdGro2ro2el e	7. N0	7KNL		SEj6		50L	L0 - 530	.	70
DicdGrobromometdal e	7. N0	7. N4		SEj6		507	L0 - 530	L	70
DicdGroyiHSorometdal e	. 0N0	4LN4		SEj6		9.	L0 - 530	50	70
v tdWQetder	7. N0	7. N9		SEj6		504	L0 - 530	.	70
v tdWQel hel e	7. N0	74NL		SEj6		99	L0 - 530	8	70
v tdWQl e Dibromiye	7. N0	7. N8		SEj6		503	L0 - 530	4	70
) epacdGrobStayiel e	7. N0	7. N3		SEj6		505	L0 - 530	4	70
Iso2ro2WQetder	7. N0	7. NK		SEj6		507	L0 - 530	.	70
Iso2ro2WQel hel e	7. N0	7. N5		SEj6		500	L0 - 530	K	70
f etdWQtert-bStWQetder	7. N0	7. NK		SEj6		507	L0 - 530	3	70
f etdWQl e 1 dGriye	7. N0	74NK		SEj6		98	L0 - 530	L	70
m-XWQl e & 2-XWQl e	. 0N0	. 5N7		SEj6		507	L0 - 530	K	70
x a2dtdaQl e	7. N0	7. N8		SEj6		503	L0 - 530	7	70
l -z StWQel hel e	7. N0	7. N3		SEj6		505	L0 - 530	L	70
x -, ro2WQel hel e	7. N0	7. N8		SEj6		503	L0 - 530	K	70
o-XWQl e	7. N0	7. N9		SEj6		504	L0 - 530	L	70
sec-z StWQel hel e	7. N0	7. N3		SEj6		505	L0 - 530	K	70
gtWel e	7. N0	7KN3		SEj6		50.	L0 - 530	K	70
Tert-amWQmetdWQetder	7. N0	74NL		SEj6		99	L0 - 530	3	70
Tert-bStWQetdWQetder	7. N0	73N9		SEj6		9.	L0 - 530	.	70
tert-z StWQel hel e	7. N0	7. N		SEj6		507	L0 - 530	K	70
TetracdGroetdel e	7. N0	7KN5		SEj6		504	L0 - 530	L	70
TetradWyroHSral	57.	533		SEj6		50K	L0 - 530	3	70
ToGel e	7. N0	7. N4		SEj6		507	L0 - 530	L	70
tral s-5u7-DicdGroetdel e	7. N0	74N8		SEj6		99	L0 - 530	L	70
tral s-5u8-DicdGro2ro2el e	7. N0	78N0		SEj6		557	L0 - 530	K	70
TricdGroetdel e	7. N0	7. N0		SEj6		500	L0 - 530	K	70
TricdGroHSorometdal e	7. N0	73NK		SEj6		94	L0 - 530	9	70
Vil WQcdGriye	7. N0	73N5		SEj6		93	L0 - 530	L	70
Dibromometdal e	7. N0	7. N5		SEj6		500	L0 - 530	.	70

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-99567/7
Matrix: Water
Analysis Batch: 99567

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
5u5u5u7-TetracdCroetdal e	x D		5N0	0N3.	SEj6			05j5. j53 53:. 0	5
5u5u5-TricdCroetdal e	x D		5N0	0N87	SEj6			05j5. j53 53:. 0	5
5u5u7u7-TetracdCroetdal e	x D		0N.0	0N75	SEj6			05j5. j53 53:. 0	5
5u5u7-TricdCroetdal e	x D		5N0	0N73	SEj6			05j5. j53 53:. 0	5
5u5-DicdCroetdal e	x D		5N0	0N38	SEj6			05j5. j53 53:. 0	5
5u5-DicdCroetdel e	x D		5N0	0N79	SEj6			05j5. j53 53:. 0	5
5u5-DicdCro2ro2el e	x D		5N0	0NL7	SEj6			05j5. j53 53:. 0	5
5u7u8-TricdCrobel hel e	x D		5N0	0N45	SEj6			05j5. j53 53:. 0	5
5u7u8-TricdCro2ro2al e	x D		5N0	0N89	SEj6			05j5. j53 53:. 0	5
5u7u4-TricdCrobel hel e	x D		5N0	0N45	SEj6			05j5. j53 53:. 0	5
5u7u4-TrimetdWCel hel e	x D		5N0	0NL.	SEj6			05j5. j53 53:. 0	5
5u7-Dibromo-3-1 dCro2ro2al e	x D		. N0	0N39	SEj6			05j5. j53 53:. 0	5
5u7-DicdCrobel hel e	x D		5N0	0NL9	SEj6			05j5. j53 53:. 0	5
5u7-DicdCroetdal e	x D		5N0	0N75	SEj6			05j5. j53 53:. 0	5
5u7-DicdCro2ro2al e	x D		5N0	0NL7	SEj6			05j5. j53 53:. 0	5
5u8u -TrimetdWCel hel e	x D		5N0	0NLL	SEj6			05j5. j53 53:. 0	5
5u8-DicdCrobel hel e	x D		5N0	0NL8	SEj6			05j5. j53 53:. 0	5
5u8-DicdCro2ro2al e	x D		5N0	0NL.	SEj6			05j5. j53 53:. 0	5
5u4-DicdCrobel hel e	x D		5N0	0N84	SEj6			05j5. j53 53:. 0	5
5u4-Diopal e	x D		. 0	9N3	SEj6			05j5. j53 53:. 0	5
7u7-DicdCro2ro2al e	x D		5N0	0N40	SEj6			05j5. j53 53:. 0	5
7-z Stal ol e Bf v (M	x D		50	5N3	SEj6			05j5. j53 53:. 0	5
7-1 dCrotoCel e	x D		5N0	0N8K	SEj6			05j5. j53 53:. 0	5
7-) epal ol e	x D		50	5N7	SEj6			05j5. j53 53:. 0	5
4-1 dCrotoCel e	x D		5N0	0N84	SEj6			05j5. j53 53:. 0	5
4-Iso2ro2WCoCel e	x D		5N0	0N35	SEj6			05j5. j53 53:. 0	5
4-f etdWC7-2el tal ol e Bf Iz (M	x D		50	7N5	SEj6			05j5. j53 53:. 0	5
Acetol e	x D		. 0	3N0	SEj6			05j5. j53 53:. 0	5
zel hel e	x D		5N0	0N45	SEj6			05j5. j53 53:. 0	5
zromobel hel e	x D		5N0	0N80	SEj6			05j5. j53 53:. 0	5
zromoHorm	x D		5N0	0N7K	SEj6			05j5. j53 53:. 0	5
zromometdal e	x D		7N0	0NK9	SEj6			05j5. j53 53:. 0	5
1 arbol yisSCHye	x D		50	0N59	SEj6			05j5. j53 53:. 0	5
1 arbol tetracdCriye	x D		5N0	0N7L	SEj6			05j5. j53 53:. 0	5
1 dCrobel hel e	x D		5N0	0NL.	SEj6			05j5. j53 53:. 0	5
1 dCrobromometdal e	x D		5N0	0N8L	SEj6			05j5. j53 53:. 0	5
1 dCroyibromometdal e	x D		0N.0	0N37	SEj6			05j5. j53 53:. 0	5
1 dCroetdal e	x D		7N0	0N37	SEj6			05j5. j53 53:. 0	5
1 dCroHorm	x D		5N0	0N34	SEj6			05j5. j53 53:. 0	5
1 dCrometdal e	x D		7N0	0N3.	SEj6			05j5. j53 53:. 0	5
cis-5u7-DicdCroetdel e	x D		5N0	0N85	SEj6			05j5. j53 53:. 0	5
cis-5u8-DicdCro2ro2el e	x D		0N40	0N3K	SEj6			05j5. j53 53:. 0	5
DicdCrobromometdal e	x D		0N.0	0N39	SEj6			05j5. j53 53:. 0	5
DicdCroyiHSorometdal e	x D		5N0	0NK8	SEj6			05j5. j53 53:. 0	5
v tdWCetder	x D		5N0	0NL7	SEj6			05j5. j53 53:. 0	5
v tdWCel hel e	x D		5N0	0NL4	SEj6			05j5. j53 53:. 0	5
v tdWCel e Dibromiye	x D		5N0	0NL3	SEj6			05j5. j53 53:. 0	5
) epacdCrobStayiel e	x D		0N40	0N78	SEj6			05j5. j53 53:. 0	5

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-99567/7
Matrix: Water
Analysis Batch: 99567

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iso2ro2WQetder	x D		50	0N19	SEj6			05j5. j53 53:. 0	5
Iso2ro2WQbel hel e	x D		5N0	0NL9	SEj6			05j5. j53 53:. 0	5
f etdWQert-bStWQetder	x D		5N0	0N5K	SEj6			05j5. j53 53:. 0	5
f etdWQel e 1 dQriye	x D		5N0	0N44	SEj6			05j5. j53 53:. 0	5
m-XWQel e & 2-XWQel e	x D		7N0	0NKK	SEj6			05j5. j53 53:. 0	5
x a2dtdaQel e	x D		. N0	0N43	SEj6			05j5. j53 53:. 0	5
l -z StWQbel hel e	x D		5N0	0NK4	SEj6			05j5. j53 53:. 0	5
x -, ro2WQbel hel e	x D		5N0	0NK9	SEj6			05j5. j53 53:. 0	5
o-XWQel e	x D		5N0	0NLK	SEj6			05j5. j53 53:. 0	5
sec-z StWQbel hel e	x D		5N0	0NL.	SEj6			05j5. j53 53:. 0	5
gtWel e	x D		5N0	0NL3	SEj6			05j5. j53 53:. 0	5
Tert-amWQmetdWQetder	x D		. N0	0N7L	SEj6			05j5. j53 53:. 0	5
Tert-bStWQetdWQetder	x D		. N0	0N79	SEj6			05j5. j53 53:. 0	5
tert-z StWQbel hel e	x D		5N0	0N85	SEj6			05j5. j53 53:. 0	5
TetracdQroetdel e	x D		5N0	0N3K	SEj6			05j5. j53 53:. 0	5
TetradWyroHSral	x D		50	5N3	SEj6			05j5. j53 53:. 0	5
ToQel e	x D		5N0	0N15	SEj6			05j5. j53 53:. 0	5
tral s-5u7-DicdQroetdel e	x D		5N0	0N90	SEj6			05j5. j53 53:. 0	5
tral s-5u8-DicdQro2ro2el e	x D		0N40	0N3L	SEj6			05j5. j53 53:. 0	5
TricdQroetdel e	x D		5N0	0N4K	SEj6			05j5. j53 53:. 0	5
TricdQroHSorometdal e	x D		5N0	0N88	SEj6			05j5. j53 53:. 0	5
Vil WQcdQriye	x D		0N10	0N90	SEj6			05j5. j53 53:. 0	5
Dibromometdal e	x D		5N0	0N45	SEj6			05j5. j53 53:. 0	5

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*01/15/13 13:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*		*01/15/13 13:50*	*1*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*		*01/15/13 13:50*	*1*

Lab Sample ID: LCS 480-99567/4
Matrix: Water
Analysis Batch: 99567

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
5u5u5u7-TetracdQroetdal e	7. N0	7KN3		SEj6		50.	L0 - 530
5u5u5-TricdQroetdal e	7. N0	7. N0		SEj6		500	L0 - 530
5u5u7u7-TetracdQroetdal e	7. N0	7. N4		SEj6		505	L0 - 530
5u5u7-TricdQroetdal e	7. N0	7. N4		SEj6		507	L0 - 530
5u5-DicdQroetdal e	7. N0	7. NK		SEj6		503	L0 - 530
5u5-DicdQroetdel e	7. N0	73N7		SEj6		93	L0 - 530
5u5-DicdQro2ro2el e	7. N0	7KNL		SEj6		50L	L0 - 530
5u7u8-TricdQrobel hel e	7. N0	7. N0		SEj6		500	L0 - 530
5u7u8-TricdQro2ro2al e	7. N0	7. N0		SEj6		500	L0 - 530
5u7u4-TricdQrobel hel e	7. N0	74N8		SEj6		99	L0 - 530
5u7u4-TrimetdWQbel hel e	7. N0	7. NK		SEj6		507	L0 - 530
5u7-Dibromo-3-1 dQro2ro2al e	7. N0	7. N5		SEj6		500	L0 - 530
5u7-DicdQrobel hel e	7. N0	74NK		SEj6		98	L0 - 530
5u7-DicdQroetdal e	7. N0	74N9		SEj6		500	L0 - 530

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-99567/4
Matrix: Water
Analysis Batch: 99567

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
5u7-DicdQro2ro2al e	7. N0	7. NK		SEj6		507	L0 - 530
5u8u -TrimetdWQel hel e	7. N0	7. N		SEj6		507	L0 - 530
5u8-DicdQrobel hel e	7. N0	74NL		SEj6		99	L0 - 530
5u8-DicdQro2ro2al e	7. N0	7. N3		SEj6		505	L0 - 530
5u4-DicdQrobel hel e	7. N0	74N9		SEj6		500	L0 - 530
5u4-Diopal e	5000	97L		SEj6		93	L0 - 530
7u7-DicdQro2ro2al e	7. N0	7. N		SEj6		507	L0 - 530
7-z Stal ol e B5 v (M	57.	580	*	SEj6		544	L0 - 530
7-1 dQrotoGel e	7. N0	7LN9		SEj6		557	L0 - 530
7-) epal ol e	57.	537		SEj6		50.	L0 - 530
4-1 dQrotoGel e	7. N0	7KN3		SEj6		50.	L0 - 530
4-Iso2ro2WQoGel e	7. N0	7KN0		SEj6		504	L0 - 530
4-f etdWQ7-2el tal ol e B5 Iz (M	57.	537		SEj6		50K	L0 - 530
Acetol e	57.	573		SEj6		98	L0 - 530
zel hel e	7. N0	7. N		SEj6		507	L0 - 530
zromobel hel e	7. N0	7. N5		SEj6		500	L0 - 530
zromoHorm	7. N0	7KN8		SEj6		50L	L0 - 530
zromometdal e	7. N0	74N8		SEj6		99	L0 - 530
1 arbol yisSQHye	7. N0	75N4		SEj6		8K	L0 - 530
1 arbol tetracdQriye	7. N0	7. N5		SEj6		500	L0 - 530
1 dQrobel hel e	7. N0	7. N5		SEj6		505	L0 - 530
1 dQrobromometdal e	7. N0	7. NK		SEj6		503	L0 - 530
1 dQroyibromometdal e	7. N0	7KN		SEj6		50K	L0 - 530
1 dQroetdal e	7. N0	73NL		SEj6		9.	L0 - 530
1 dQroHorm	7. N0	7. N7		SEj6		505	L0 - 530
1 dQrometdal e	7. N0	73NL		SEj6		9.	L0 - 530
cis-5u7-DicdQroetdel e	7. N0	7. N3		SEj6		505	L0 - 530
cis-5u8-DicdQro2ro2el e	7. N0	7LN3		SEj6		509	L0 - 530
DicdQrobromometdal e	7. N0	7. NL		SEj6		503	L0 - 530
DicdQroyiHSorometdal e	. 0N0	. 0N5		SEj6		500	L0 - 530
v tdWQetder	7. N0	7LN3		SEj6		509	L0 - 530
v tdWQel hel e	7. N0	7. N5		SEj6		500	L0 - 530
v tdWQl e Dibromiye	7. N0	7. N3		SEj6		505	L0 - 530
) epacdQrobStayiel e	7. N0	7KN5		SEj6		504	L0 - 530
Iso2ro2WQetder	7. N0	7KN4		SEj6		50K	L0 - 530
Iso2ro2WQel hel e	7. N0	7. N7		SEj6		505	L0 - 530
f etdWQert-bStWQetder	7. N0	7. N7		SEj6		505	L0 - 530
f etdWQl e 1 dQriye	7. N0	7. N4		SEj6		507	L0 - 530
m-XWQl e & 2-XWQl e	. 0N0	. 5N8		SEj6		504	L0 - 530
x a2dtdaQl e	7. N0	7. N5		SEj6		505	L0 - 530
l -z StWQel hel e	7. N0	7. N9		SEj6		504	L0 - 530
x -, ro2WQel hel e	7. N0	7KN0		SEj6		504	L0 - 530
o-XWQl e	7. N0	7. N9		SEj6		504	L0 - 530
sec-z StWQel hel e	7. N0	7. NL		SEj6		503	L0 - 530
gtWel e	7. N0	7KN4		SEj6		50.	L0 - 530
Tert-amWQmetdWQetder	7. N0	7. N0		SEj6		500	L0 - 530
Tert-bStWQetdWQetder	7. N0	74N		SEj6		98	L0 - 530
tert-z StWQel hel e	7. N0	7KN0		SEj6		504	L0 - 530

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-99567/4
Matrix: Water
Analysis Batch: 99567

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
TetracdCroetdel e	7. N0	7LN7		SEj6		509	L0 - 530
TetradWyroHSral	57.	535		SEj6		50.	L0 - 530
ToCSel e	7. N0	7. N8		SEj6		503	L0 - 530
tral s-5u7-DicdCroetdel e	7. N0	7. N3		SEj6		505	L0 - 530
tral s-5u8-DicdCro2ro2el e	7. N0	78N5		SEj6		557	L0 - 530
TricdCroetdel e	7. N0	7. NL		SEj6		503	L0 - 530
TricdCroHSorometdal e	7. N0	74NL		SEj6		99	L0 - 530
Vil WCcdCriye	7. N0	73N5		SEj6		93	L0 - 530
Dibromometdal e	7. N0	7. N4		SEj6		507	L0 - 530

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: LCSD 480-99567/5
Matrix: Water
Analysis Batch: 99567

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
5u5u7-TetracdCroetdal e	7. N0	7KN7		SEj6		50.	L0 - 530	0	70
5u5u5-TricdCroetdal e	7. N0	7KN0		SEj6		504	L0 - 530	4	70
5u5u7u7-TetracdCroetdal e	7. N0	7. NL		SEj6		503	L0 - 530	5	70
5u5u7-TricdCroetdal e	7. N0	7. N7		SEj6		505	L0 - 530	5	70
5u5-DicdCroetdal e	7. N0	7KN4		SEj6		50K	L0 - 530	3	70
5u5-DicdCroetdel e	7. N0	7. N3		SEj6		505	L0 - 530	9	70
5u5-DicdCro2ro2el e	7. N0	7LN8		SEj6		555	L0 - 530	4	70
5u7u8-TricdCrobel hel e	7. N0	7. N9		SEj6		504	L0 - 530	4	70
5u7u8-TricdCro2ro2al e	7. N0	7. N		SEj6		507	L0 - 530	7	70
5u7u4-TricdCrobel hel e	7. N0	7KN0		SEj6		504	L0 - 530	.	70
5u7u4-TrimetdWCel hel e	7. N0	7LN0		SEj6		508	L0 - 530	.	70
5u7-Dibromo-3-1 dCro2ro2al e	7. N0	7. N4		SEj6		507	L0 - 530	5	70
5u7-DicdCrobel hel e	7. N0	7. N9		SEj6		504	L0 - 530	.	70
5u7-DicdCroetdal e	7. N0	7. N4		SEj6		507	L0 - 530	7	70
5u7-DicdCro2ro2al e	7. N0	7KNK		SEj6		50K	L0 - 530	4	70
5u8u -TrimetdWCel hel e	7. N0	7KN9		SEj6		508	L0 - 530	K	70
5u8-DicdCrobel hel e	7. N0	7KN0		SEj6		504	L0 - 530	.	70
5u8-DicdCro2ro2al e	7. N0	7. N4		SEj6		507	L0 - 530	0	70
5u4-DicdCrobel hel e	7. N0	7. N8		SEj6		503	L0 - 530	4	70
5u4-Diopal e	5000	94L		SEj6		9.	L0 - 530	7	70
7u7-DicdCro2ro2al e	7. N0	7KNL		SEj6		50L	L0 - 530	.	70
7-z Stal ol e B5 v (M	57.	585	*	SEj6		54.	L0 - 530	5	70
7-1 dCrotoCSel e	7. N0	30N9		SEj6		573	L0 - 530	50	70
7-) epal ol e	57.	530		SEj6		504	L0 - 530	5	70
4-1 dCrotoCSel e	7. N0	35N3		SEj6		57.	L0 - 530	5L	70
4-Iso2ro2WCoCSel e	7. N0	7LNK		SEj6		550	L0 - 530	K	70
4-f etdWC7-2el tal ol e B5 Iz (M	57.	537		SEj6		50K	L0 - 530	0	70
Acetol e	57.	573		SEj6		98	L0 - 530	0	70

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-99567/5
Matrix: Water
Analysis Batch: 99567

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
zel hel e	7. N0	7KN7		SEj6		50.	L0 - 530	3	70
z romobel hel e	7. N0	7. N9		SEj6		504	L0 - 530	3	70
z romoh orm	7. N0	7LN4		SEj6		550	L0 - 530	7	70
z romometdal e	7. N0	7KN		SEj6		50K	L0 - 530	L	70
1 arbol yisSGHye	7. N0	75N		SEj6		8K	L0 - 530	5	70
1 arbol tetracdCriye	7. N0	7KN8		SEj6		50L	L0 - 530	L	70
1 dCrobel hel e	7. N0	7. N		SEj6		507	L0 - 530	5	70
1 dCrobromometdal e	7. N0	7KN		SEj6		50K	L0 - 530	3	70
1 dCroyibromometdal e	7. N0	7KN4		SEj6		50.	L0 - 530	5	70
1 dCroetdal e	7. N0	7. N0		SEj6		500	L0 - 530	.	70
1 dCroh orm	7. N0	7. N8		SEj6		503	L0 - 530	3	70
1 dCrometdal e	7. N0	74N9		SEj6		99	L0 - 530	.	70
cis-5u7-DicdCroetdel e	7. N0	7KN5		SEj6		504	L0 - 530	3	70
cis-5u8-DicdCro2ro2el e	7. N0	7LN4		SEj6		550	L0 - 530	5	70
DicdCrobromometdal e	7. N0	7KN7		SEj6		50.	L0 - 530	7	70
DicdCroyiHSorometdal e	. 0N0	. 7N		SEj6		50.	L0 - 530	.	70
v tdWCetder	7. N0	7KN9		SEj6		508	L0 - 530	5	70
v tdWCbel hel e	7. N0	7. N8		SEj6		503	L0 - 530	3	70
v tdWCl e Dibromiye	7. N0	7. NL		SEj6		503	L0 - 530	7	70
) epacdCrobStayiel e	7. N0	7LN3		SEj6		509	L0 - 530	4	70
Iso2ro2WCetder	7. N0	7KN8		SEj6		50L	L0 - 530	5	70
Iso2ro2WCbel hel e	7. N0	7KNK		SEj6		50L	L0 - 530	.	70
f etdWCtert-bStWCetder	7. N0	7. NL		SEj6		503	L0 - 530	7	70
f etdWCl e 1 dCriye	7. N0	7KN5		SEj6		50.	L0 - 530	3	70
m-XWCl e & 2-XWCl e	. 0N0	. 3N0		SEj6		50K	L0 - 530	7	70
x a2dtdaCl e	7. N0	7. NL		SEj6		503	L0 - 530	7	70
l -z StWCbel hel e	7. N0	7LN		SEj6		550	L0 - 530	K	70
x -, ro2WCbel hel e	7. N0	7LN3		SEj6		509	L0 - 530	.	70
o-XWCl e	7. N0	7KN		SEj6		50K	L0 - 530	3	70
sec-z StWCbel hel e	7. N0	7LN7		SEj6		509	L0 - 530	K	70
gtWel e	7. N0	7LN3		SEj6		509	L0 - 530	4	70
Tert-amWCmetdWCetder	7. N0	7. N		SEj6		507	L0 - 530	7	70
Tert-bStWCetdWCetder	7. N0	7. N5		SEj6		500	L0 - 530	7	70
tert-z StWCbel hel e	7. N0	7LN7		SEj6		509	L0 - 530	.	70
TetracdCroetdel e	7. N0	7LNL		SEj6		555	L0 - 530	7	70
TetradWyroHSral	57.	578		SEj6		507	L0 - 530	7	70
ToSel e	7. N0	7KN		SEj6		50K	L0 - 530	7	70
tral s-5u7-DicdCroetdel e	7. N0	7KN5		SEj6		504	L0 - 530	3	70
tral s-5u8-DicdCro2ro2el e	7. N0	78N5		SEj6		557	L0 - 530	0	70
TricdCroetdel e	7. N0	7KN8		SEj6		50L	L0 - 530	4	70
TricdCrohSorometdal e	7. N0	7. N3		SEj6		505	L0 - 530	3	70
Vil WCcdCriye	7. N0	74N7		SEj6		9L	L0 - 530	4	70
Dibromometdal e	7. N0	7. NL		SEj6		503	L0 - 530	5	70

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-31428-1 MS
Matrix: Water
Analysis Batch: 99567

Client Sample ID: REW-1-20130110-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
5u5u5u7-TetracdQroetdal e	x D		7. 00	7. 50		SEj6		500	L0 - 530
5u5u5-TricdQroetdal e	x D		7. 00	7480		SEj6		99	L0 - 530
5u5u7u7-TetracdQroetdal e	x D		7. 00	74K0		SEj6		98	L0 - 530
5u5u7-TricdQroetdal e	x D		7. 00	7. 70		SEj6		505	L0 - 530
5u5-DicdQroetdal e	x D		7. 00	7. 90		SEj6		504	L0 - 530
5u5-DicdQroetdel e	x D		7. 00	7480		SEj6		99	L0 - 530
5u5-DicdQro2ro2el e	x D		7. 00	7K80		SEj6		50L	L0 - 530
5u7u8-TricdQrobel hel e	x D		7. 00	73L0		SEj6		9.	L0 - 530
5u7u8-TricdQro2ro2al e	x D		7. 00	7390		SEj6		9K	L0 - 530
5u7u4-TricdQrobel hel e	x D		7. 00	7370		SEj6		93	L0 - 530
5u7u4-TrimetdWQel hel e	x D		7. 00	74L0		SEj6		99	L0 - 530
5u7-Dibromo-3-1 dQro2ro2al e	x D		7. 00	73K0		SEj6		94	L0 - 530
5u7-DicdQrobel hel e	x D		7. 00	7400		SEj6		9K	L0 - 530
5u7-DicdQroetdal e	x D		7. 00	7480		SEj6		99	L0 - 530
5u7-DicdQro2ro2al e	x D		7. 00	7. L0		SEj6		503	L0 - 530
5u8u -TrimetdWQel hel e	x D		7. 00	74K0		SEj6		99	L0 - 530
5u8-DicdQrobel hel e	x D		7. 00	7400		SEj6		9K	L0 - 530
5u8-DicdQro2ro2al e	x D		7. 00	74L0		SEj6		99	L0 - 530
5u4-DicdQrobel hel e	x D		7. 00	7450		SEj6		9K	L0 - 530
5u4-Diopal e	x D		500000	LLL00		SEj6		L8	L0 - 530
7u7-DicdQro2ro2al e	x D		7. 00	7770		SEj6		89	L0 - 530
7-z Stal ol e Bf v (M	5L0		57. 00	5LL00	F	SEj6		540	L0 - 530
7-1 dQrotoGel e	x D		7. 00	7850		SEj6		557	L0 - 530
7-) epal ol e	x D		57. 00	57L00		SEj6		505	L0 - 530
4-1 dQrotoGel e	x D		7. 00	78L0		SEj6		55.	L0 - 530
4-Iso2ro2WQoGel e	x D		7. 00	7490		SEj6		500	L0 - 530
4-f etdWQ7-2el tal ol e Bf Iz (M	x D		57. 00	57800		SEj6		507	L0 - 530
Acetol e	79000		57. 00	38000		SEj6		L5	L0 - 530
zel hel e	x D		7. 00	7. K0		SEj6		507	L0 - 530
zromobel hel e	x D		7. 00	7450		SEj6		9K	L0 - 530
zromoHorm	x D		7. 00	7K30		SEj6		50.	L0 - 530
zromometdal e	x D		7. 00	7. K0		SEj6		503	L0 - 530
1 arbol yisSGHye	x D		7. 00	7780		SEj6		95	L0 - 530
1 arbol tetracdQriye	x D		7. 00	7. 80		SEj6		503	L0 - 530
1 dQrobel hel e	x D		7. 00	7490		SEj6		99	L0 - 530
1 dQrobromometdal e	x D		7. 00	7K30		SEj6		50.	L0 - 530
1 dQroyibromometdal e	x D		7. 00	7. 90		SEj6		504	L0 - 530
1 dQroetdal e	x D		7. 00	7470		SEj6		9L	L0 - 530
1 dQroHorm	x D		7. 00	7. 00		SEj6		500	L0 - 530
1 dQrometdal e	x D		7. 00	7430		SEj6		9L	L0 - 530
cis-5u7-DicdQroetdel e	x D		7. 00	7. K0		SEj6		507	L0 - 530
cis-5u8-DicdQro2ro2el e	x D		7. 00	7. . 0		SEj6		507	L0 - 530
DicdQrobromometdal e	x D		7. 00	7. . 0		SEj6		507	L0 - 530
DicdQroyiHSorometdal e	x D		. 000	. 090		SEj6		507	L0 - 530
v tdWQetder	x D		7. 00	7. 90		SEj6		504	L0 - 530
v tdWQel hel e	x D		7. 00	74K0		SEj6		99	L0 - 530
v tdWQl e Dibromiye	x D		7. 00	74. 0		SEj6		98	L0 - 530
) epacdQrobStayiel e	x D		7. 00	73L0		SEj6		9.	L0 - 530

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-31428-1 MS
Matrix: Water
Analysis Batch: 99567

Client Sample ID: REW-1-20130110-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iso2ro2WQetder	x D		7. 00	7. L0		SEj6		503	L0 - 530
Iso2ro2WQel hel e	x D		7. 00	7470		SEj6		9L	L0 - 530
f etdWQert-bStWQetder	x D		7. 00	7. 30		SEj6		505	L0 - 530
f etdWQel e 1 dQriye	x D		7. 00	7. . 0		SEj6		507	L0 - 530
m-XWQel e & 2-XWQel e	x D		. 000	. 080		SEj6		507	L0 - 530
x a2dtdaQel e	x D		7. 00	7340		SEj6		94	L0 - 530
l -z StWQel hel e	x D		7. 00	7430		SEj6		9L	L0 - 530
x -, ro2WQel hel e	x D		7. 00	7. 00		SEj6		500	L0 - 530
o-XWQel e	x D		7. 00	7. . 0		SEj6		507	L0 - 530
sec-z StWQel hel e	x D		7. 00	74L0		SEj6		99	L0 - 530
gtWel e	x D		7. 00	7K50		SEj6		504	L0 - 530
Tert-amWQmetdWQetder	x D		7. 00	7400		SEj6		9K	L0 - 530
Tert-bStWQetdWQetder	x D		7. 00	7390		SEj6		9K	L0 - 530
tert-z StWQel hel e	x D		7. 00	7480		SEj6		99	L0 - 530
TetracdQroetdel e	x D		7. 00	7K. 0		SEj6		50K	L0 - 530
TetradWyroHSral	x D		57. 00	57800		SEj6		507	L0 - 530
ToQel e	x D		7. 00	7. 40		SEj6		507	L0 - 530
tral s-5u7-DicdQroetdel e	x D		7. 00	7. 40		SEj6		507	L0 - 530
tral s-5u8-DicdQro2ro2el e	x D		7. 00	7K30		SEj6		50.	L0 - 530
TricdQroetdel e	x D		7. 00	7. 80		SEj6		503	L0 - 530
TricdQroHSorometdal e	x D		7. 00	7. 70		SEj6		505	L0 - 530
Vil WQcdQriye	x D		7. 00	7380		SEj6		9.	L0 - 530
Dibromometdal e	x D		7. 00	74K0		SEj6		98	L0 - 530

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*95*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: 480-31428-1 MSD
Matrix: Water
Analysis Batch: 99567

Client Sample ID: REW-1-20130110-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
5u5u7-TetracdQroetdal e	x D		7. 00	74L0		SEj6		99	L0 - 530	7	70
5u5u5-TricdQroetdal e	x D		7. 00	7440		SEj6		98	L0 - 530	7	70
5u7u7-TetracdQroetdal e	x D		7. 00	7480		SEj6		99	L0 - 530	5	70
5u5u7-TricdQroetdal e	x D		7. 00	74L0		SEj6		99	L0 - 530	7	70
5u5-DicdQroetdal e	x D		7. 00	7. 00		SEj6		500	L0 - 530	3	70
5u5-DicdQroetdel e	x D		7. 00	73L0		SEj6		9.	L0 - 530	.	70
5u5-DicdQro2ro2el e	x D		7. 00	7. 80		SEj6		503	L0 - 530	4	70
5u7u8-TricdQrobel hel e	x D		7. 00	7400		SEj6		9K	L0 - 530	5	70
5u7u8-TricdQro2ro2al e	x D		7. 00	7390		SEj6		9.	L0 - 530	0	70
5u7u4-TricdQrobel hel e	x D		7. 00	73. 0		SEj6		94	L0 - 530	5	70
5u7u4-TrimetdWQel hel e	x D		7. 00	74K0		SEj6		99	L0 - 530	0	70
5u7-Dibromo-3-1 dQro2ro2al e	x D		7. 00	7470		SEj6		9L	L0 - 530	3	70
5u7-DicdQrobel hel e	x D		7. 00	7380		SEj6		9.	L0 - 530	5	70
5u7-DicdQroetdal e	x D		7. 00	7400		SEj6		9K	L0 - 530	3	70

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-31428-1 MSD
Matrix: Water
Analysis Batch: 99567

Client Sample ID: REW-1-20130110-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
5u7-DicdQro2ro2al e	x D		7. 00	7. 00		SEj6		500	L0 - 530	3	70
5u8u -TrimetdWQel hel e	x D		7. 00	7470		SEj6		9L	L0 - 530	7	70
5u8-DicdQrobel hel e	x D		7. 00	7380		SEj6		9.	L0 - 530	5	70
5u8-DicdQro2ro2al e	x D		7. 00	7470		SEj6		9L	L0 - 530	7	70
5u4-DicdQrobel hel e	x D		7. 00	7390		SEj6		9K	L0 - 530	5	70
5u4-Diopal e	x D		500000	8L800		SEj6		88	L0 - 530	57	70
7u7-DicdQro2ro2al e	x D		7. 00	75L0		SEj6		8L	L0 - 530	7	70
7-z Stal ol e Bf v (M	5L0		57. 00	5L. 00	F	SEj6		539	L0 - 530	5	70
7-1 dQrotoGel e	x D		7. 00	7L40		SEj6		550	L0 - 530	7	70
7-) epal ol e	x D		57. 00	57L00		SEj6		507	L0 - 530	0	70
4-1 dQrotoGel e	x D		7. 00	7890		SEj6		55K	L0 - 530	5	70
4-Iso2ro2WQoGel e	x D		7. 00	74K0		SEj6		98	L0 - 530	5	70
4-f etdWQ7-2el tal ol e Bf Iz (M	x D		57. 00	57800		SEj6		503	L0 - 530	0	70
Acetol e	79000		57. 00	3L400	F	SEj6		KK	L0 - 530	5	70
zel hel e	x D		7. 00	74L0		SEj6		99	L0 - 530	3	70
zromobel hel e	x D		7. 00	73L0		SEj6		9.	L0 - 530	5	70
zromoHorm	x D		7. 00	7. . 0		SEj6		507	L0 - 530	3	70
zromometdal e	x D		7. 00	74K0		SEj6		99	L0 - 530	4	70
1arbol yisGHye	x D		7. 00	7540		SEj6		8.	L0 - 530	K	70
1arbol tetracdQriye	x D		7. 00	7. 40		SEj6		505	L0 - 530	7	70
1 dQrobel hel e	x D		7. 00	7470		SEj6		9L	L0 - 530	3	70
1 dQrobromometdal e	x D		7. 00	7. 70		SEj6		505	L0 - 530	4	70
1 dQroyibromometdal e	x D		7. 00	7. 30		SEj6		505	L0 - 530	7	70
1 dQroetdal e	x D		7. 00	7780		SEj6		95	L0 - 530	K	70
1 dQroHorm	x D		7. 00	7400		SEj6		9K	L0 - 530	4	70
1 dQrometdal e	x D		7. 00	7370		SEj6		93	L0 - 530	.	70
cis-5u7-DicdQroetdel e	x D		7. 00	7. 00		SEj6		500	L0 - 530	7	70
cis-5u8-DicdQro2ro2el e	x D		7. 00	7. 30		SEj6		505	L0 - 530	5	70
DicdQrobromometdal e	x D		7. 00	7490		SEj6		500	L0 - 530	7	70
DicdQroyiHSorometdal e	x D		. 000	4800		SEj6		9K	L0 - 530	K	70
v tdWQetder	x D		7. 00	7. 80		SEj6		503	L0 - 530	5	70
v tdWQel hel e	x D		7. 00	7470		SEj6		9L	L0 - 530	7	70
v tdWQel e Dibromiye	x D		7. 00	7480		SEj6		99	L0 - 530	5	70
) epacdQrobStayiel e	x D		7. 00	7470		SEj6		9L	L0 - 530	7	70
Iso2ro2WQetder	x D		7. 00	7. 00		SEj6		500	L0 - 530	3	70
Iso2ro2WQel hel e	x D		7. 00	7400		SEj6		9K	L0 - 530	5	70
f etdWQert-bStWQetder	x D		7. 00	74L0		SEj6		99	L0 - 530	7	70
f etdWQel e 1 dQriye	x D		7. 00	7. 00		SEj6		500	L0 - 530	7	70
m-XWQel e & 2-XWQel e	x D		. 000	49. 0		SEj6		99	L0 - 530	3	70
x a2dtdaQel e	x D		7. 00	7400		SEj6		9K	L0 - 530	7	70
l -z StWQel hel e	x D		7. 00	7470		SEj6		9L	L0 - 530	0	70
x -, ro2WQel hel e	x D		7. 00	74. 0		SEj6		98	L0 - 530	7	70
o-XWQel e	x D		7. 00	7490		SEj6		500	L0 - 530	3	70
sec-z StWQel hel e	x D		7. 00	7440		SEj6		98	L0 - 530	5	70
gtWel e	x D		7. 00	7. K0		SEj6		503	L0 - 530	7	70
Tert-amWQmetdWQetder	x D		7. 00	7380		SEj6		9.	L0 - 530	5	70
Tert-bStWQetdWQetder	x D		7. 00	7330		SEj6		93	L0 - 530	7	70
tert-z StWQel hel e	x D		7. 00	74. 0		SEj6		98	L0 - 530	5	70

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-31428-1 MSD
Matrix: Water
Analysis Batch: 99567

Client Sample ID: REW-1-20130110-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
TetracdQroetdel e	x D		7. 00	7K50		SEj6		504	L0 - 530	7	70
TetradWyroHSral	x D		57. 00	57800		SEj6		507	L0 - 530	0	70
ToSel e	x D		7. 00	7490		SEj6		500	L0 - 530	7	70
tral s-5u7-DicdQroetdel e	x D		7. 00	74L0		SEj6		99	L0 - 530	3	70
tral s-5u8-DicdQro2ro2el e	x D		7. 00	7. L0		SEj6		503	L0 - 530	3	70
TricdQroetdel e	x D		7. 00	7. 30		SEj6		505	L0 - 530	7	70
TricdQroHSorometdal e	x D		7. 00	5880	F	SEj6		L.	L0 - 530	79	70
Vil WQcdQriye	x D		7. 00	7350		SEj6		97	L0 - 530	3	70
Dibromometdal e	x D		7. 00	7470		SEj6		9L	L0 - 530	5	70

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*95*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*

GC/MS VOA

Analysis Batch: 99374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-35478-5	2v/ -5-70530550-05	Totaq6A	/ ater	87d01	
480-35478-3	2v/ -B-70530550-05	Totaq6A	/ ater	87d01	
480-35478-4	2v/ -8-70530550-05	Totaq6A	/ ater	87d01	
480-35478-M	2v/ -57-70530550-05	Totaq6A	/ ater	87d01	
480-35478-d	N/ -7d5g-70530550-05	Totaq6A	/ ater	87d01	
480-35478-55	D9, -U-70530550-05	Totaq6A	/ ater	87d01	
X1g 480-pp3B4j4	Xab 1ol troCgamke	Totaq6A	/ ater	87d01	
X1gD 480-pp3B4jM	Xab 1ol troCgamke DSk	Totaq6A	/ ater	87d01	
NL 480-pp3B4jB	Nethoy LCal R	Totaq6A	/ ater	87d01	

Analysis Batch: 99567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-35478-5 - DX	2v/ -5-70530550-05	Totaq6A	/ ater	87d01	
480-35478-5 Ng	2v/ -5-70530550-05	Totaq6A	/ ater	87d01	
480-35478-5 NgD	2v/ -5-70530550-05	Totaq6A	/ ater	87d01	
480-35478-7	2v/ -d-70530550-05	Totaq6A	/ ater	87d01	
480-35478-3 - DX	2v/ -B-70530550-05	Totaq6A	/ ater	87d01	
480-35478-4 - DX	2v/ -8-70530550-05	Totaq6A	/ ater	87d01	
480-35478-M- DX	2v/ -57-70530550-05	Totaq6A	/ ater	87d01	
480-35478-d - DX	N/ -7d5g-70530550-05	Totaq6A	/ ater	87d01	
480-35478-B - DX	N/ -7dMN-70530550-05	Totaq6A	/ ater	87d01	
480-35478-8	N/ -MW7-70530550-05	Totaq6A	/ ater	87d01	
480-35478-p	N/ -Md7-70530550-05	Totaq6A	/ ater	87d01	
480-35478-50	N/ -Md3-70530550-05	Totaq6A	/ ater	87d01	
480-35478-55 - DX	D9, -U-70530550-05	Totaq6A	/ ater	87d01	
480-35478-57	Trik LCal Rs	Totaq6A	/ ater	87d01	
X1g 480-ppMdBj4	Xab 1ol troCgamke	Totaq6A	/ ater	87d01	
X1gD 480-ppMdBjM	Xab 1ol troCgamke DSk	Totaq6A	/ ater	87d01	
NL 480-ppMdBjB	Nethoy LCal R	Totaq6A	/ ater	87d01	

Client Sample ID: EP- 191M2902992129 **Lab Sample ID: 3421093M419**
Date Collecte7: 29x92x90 99:W2 **8 atri5: - ater**
Date Eeceide7: 29x99x90 24:22

Trep / Rpe	v atch / Rpe	v atch 8 etho7	EAn	DilAtion z actor	v atch u Amber	Trepare7 or y nalRse7	y nalRBt	Lab
Total/NA	Analysis	8260C		5	99374	01/14/13 17:14	LH	TAL BUF
Total/NA	Analysis	8260C	DL	100	99567	01/15/13 14:31	RL	TAL BUF

Client Sample ID: EP- 1N1M2902992129 **Lab Sample ID: 3421093M41M**
Date Collecte7: 29x92x90 2F:W2 **8 atri5: - ater**
Date Eeceide7: 29x99x90 24:22

Trep / Rpe	v atch / Rpe	v atch 8 etho7	EAn	DilAtion z actor	v atch u Amber	Trepare7 or y nalRse7	y nalRBt	Lab
Total/NA	Analysis	8260C		8	99567	01/15/13 14:56	RL	TAL BUF

Client Sample ID: EP- 161M2902992129 **Lab Sample ID: 3421093M410**
Date Collecte7: 29x92x90 99:92 **8 atri5: - ater**
Date Eeceide7: 29x99x90 24:22

Trep / Rpe	v atch / Rpe	v atch 8 etho7	EAn	DilAtion z actor	v atch u Amber	Trepare7 or y nalRse7	y nalRBt	Lab
Total/NA	Analysis	8260C		1	99374	01/14/13 18:04	LH	TAL BUF
Total/NA	Analysis	8260C	DL	20	99567	01/15/13 15:22	RL	TAL BUF

Client Sample ID: EP- 141M2902992129 **Lab Sample ID: 3421093M413**
Date Collecte7: 29x92x90 9M02 **8 atri5: - ater**
Date Eeceide7: 29x99x90 24:22

Trep / Rpe	v atch / Rpe	v atch 8 etho7	EAn	DilAtion z actor	v atch u Amber	Trepare7 or y nalRse7	y nalRBt	Lab
Total/NA	Analysis	8260C		1	99374	01/14/13 18:29	LH	TAL BUF
Total/NA	Analysis	8260C	DL	5	99567	01/15/13 15:47	RL	TAL BUF

Client Sample ID: EP- 19M1M2902992129 **Lab Sample ID: 3421093M41W**
Date Collecte7: 29x92x90 24:WW **8 atri5: - ater**
Date Eeceide7: 29x99x90 24:22

Trep / Rpe	v atch / Rpe	v atch 8 etho7	EAn	DilAtion z actor	v atch u Amber	Trepare7 or y nalRse7	y nalRBt	Lab
Total/NA	Analysis	8260C		1	99374	01/14/13 18:54	LH	TAL BUF
Total/NA	Analysis	8260C	DL	4	99567	01/15/13 16:12	RL	TAL BUF

Client Sample ID: 8 - 1MN9S1M2902992129 **Lab Sample ID: 3421093M41N**
Date Collecte7: 29x92x90 92:0W **8 atri5: - ater**
Date Eeceide7: 29x99x90 24:22

Trep / Rpe	v atch / Rpe	v atch 8 etho7	EAn	DilAtion z actor	v atch u Amber	Trepare7 or y nalRse7	y nalRBt	Lab
Total/NA	Analysis	8260C		5	99374	01/14/13 19:19	LH	TAL BUF
Total/NA	Analysis	8260C	DL	400	99567	01/15/13 16:37	RL	TAL BUF

Client Sample ID: 8 - 1MNV8 1M2902992129 **Lab Sample ID: 3421093M416**
Date Collecte7: 29x92x90 9M92 **8 atri5: - ater**
Date Eeceide7: 29x99x90 24:22

Trep / Rpe	v atch / Rpe	v atch 8 etho7	EAn	DilAtion zactor	v atch uAmber	Trepare7 or y nalRse7	y nalRBt	Lab
Total/NA	Analysis	8260C	DL	100	99567	01/15/13 17:02	RL	TAL BUF

Client Sample ID: 8 - 1MWM1M2902992129 **Lab Sample ID: 3421093M414**
Date Collecte7: 29x92x90 2F:3W **8 atri5: - ater**
Date Eeceide7: 29x99x90 24:22

Trep / Rpe	v atch / Rpe	v atch 8 etho7	EAn	DilAtion zactor	v atch uAmber	Trepare7 or y nalRse7	y nalRBt	Lab
Total/NA	Analysis	8260C		40	99567	01/15/13 17:27	RL	TAL BUF

Client Sample ID: 8 - 1MWM1M2902992129 **Lab Sample ID: 3421093M41F**
Date Collecte7: 29x92x90 99:MW **8 atri5: - ater**
Date Eeceide7: 29x99x90 24:22

Trep / Rpe	v atch / Rpe	v atch 8 etho7	EAn	DilAtion zactor	v atch uAmber	Trepare7 or y nalRse7	y nalRBt	Lab
Total/NA	Analysis	8260C		40	99567	01/15/13 17:52	RL	TAL BUF

Client Sample ID: 8 - 1MN01M2902992129 **Lab Sample ID: 3421093M4192**
Date Collecte7: 29x92x90 2F:22 **8 atri5: - ater**
Date Eeceide7: 29x99x90 24:22

Trep / Rpe	v atch / Rpe	v atch 8 etho7	EAn	DilAtion zactor	v atch uAmber	Trepare7 or y nalRse7	y nalRBt	Lab
Total/NA	Analysis	8260C		5	99567	01/15/13 18:17	RL	TAL BUF

Client Sample ID: DUT 1X1M2902992129 **Lab Sample ID: 3421093M4199**
Date Collecte7: 29x92x90 22:22 **8 atri5: - ater**
Date Eeceide7: 29x99x90 24:22

Trep / Rpe	v atch / Rpe	v atch 8 etho7	EAn	DilAtion zactor	v atch uAmber	Trepare7 or y nalRse7	y nalRBt	Lab
Total/NA	Analysis	8260C		1	99374	01/14/13 21:26	LH	TAL BUF
Total/NA	Analysis	8260C	DL	4	99567	01/15/13 18:43	RL	TAL BUF

Client Sample ID: / rip v lankB **Lab Sample ID: 3421093M419M**
Date Collecte7: 29x92x90 22:22 **8 atri5: - ater**
Date Eeceide7: 29x99x90 24:22

Trep / Rpe	v atch / Rpe	v atch 8 etho7	EAn	DilAtion zactor	v atch uAmber	Trepare7 or y nalRse7	y nalRBt	Lab
Total/NA	Analysis	8260C		1	99567	01/15/13 19:08	RL	TAL BUF

LaboratorR EeferenceB:
TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-31428-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-13
California	NELAP	9	1169CA	09-30-13
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAP	4	E87672	06-30-13
Georgia	State Program	4	N/A	03-31-13
Georgia	State Program	4	956	06-30-13
Georgia	State Program	4	956	06-30-13
Illinois	NELAP	5	200003	09-30-13
Iowa	State Program	7	374	03-01-13
Kansas	NELAP	7	E-10187	01-31-13
Kentucky	State Program	4	90029	12-31-12
Kentucky (UST)	State Program	4	30	04-01-13
Louisiana	NELAP	6	02031	06-30-13
Maine	State Program	1	NY00044	12-04-13
Maryland	State Program	3	294	03-31-13
Massachusetts	State Program	1	M-NY044	06-30-13
Michigan	State Program	5	9937	04-01-13
Minnesota	NELAP	5	036-999-337	12-31-13
New Hampshire	NELAP	1	2973	09-11-13
New Hampshire	NELAP	1	2337	11-17-13
New Jersey	NELAP	2	NY455	06-30-13
New York	NELAP	2	10026	03-31-13
North Dakota	State Program	8	R-176	03-31-13
Oklahoma	State Program	6	9421	08-31-13
Oregon	NELAP	10	NY200003	06-09-13
Pennsylvania	NELAP	3	68-00281	07-31-13
Rhode Island	State Program	1	LAO00328	12-31-13
Tennessee	State Program	4	TN02970	04-01-13
Texas	NELAP	6	T104704412-11-2	07-31-13
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-13
Washington	State Program	10	C784	02-10-13
West Virginia DEP	State Program	3	252	09-30-13
Wisconsin	State Program	5	998310390	08-31-13

Method Summary

Client: Innovative Engineering Solutions, Inc
Project/Site: IDS Wayland

TestAmerica Job ID: 480-31428-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds (GC/MS)	MA DEP	TAL BUF

Protocol References:

MA DEP = Massachusetts Department Of Environmental Protection

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

1 Qel t: Il l onatine v l Eil eeril E g oC Stiol sull c
, roPectjg ite: IDg / aWQal y

TestAmerica Job ID: 480-35478-5

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-35478-5	d v/ -5-70530550-05	/ ater	05j50j53 55:90	05j55j53 08:00
480-35478-7	d v/ -M70530550-05	/ ater	05j50j53 02:90	05j55j53 08:00
480-35478-3	d v/ -6-70530550-05	/ ater	05j50j53 55:50	05j55j53 08:00
480-35478-4	d v/ -8-70530550-05	/ ater	05j50j53 57:30	05j55j53 08:00
480-35478-9	d v/ -57-70530550-05	/ ater	05j50j53 08:99	05j55j53 08:00
480-35478-M	R/ -7M5g-70530550-05	/ ater	05j50j53 50:39	05j55j53 08:00
480-35478-6	R/ -7M9R-70530550-05	/ ater	05j50j53 57:50	05j55j53 08:00
480-35478-8	R/ -997-70530550-05	/ ater	05j50j53 02:49	05j55j53 08:00
480-35478-2	R/ -9M7-70530550-05	/ ater	05j50j53 55:79	05j55j53 08:00
480-35478-50	R/ -9M8-70530550-05	/ ater	05j50j53 02:00	05j55j53 08:00
480-35478-55	DU, -X-70530550-05	/ ater	05j50j53 00:00	05j55j53 08:00
480-35478-57	Trip B@l ks	/ ater	05j50j53 00:00	05j55j53 08:00

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

Boston Service Center
240 Bear Hill Rd. Suite 104
Waltham, MA 02451
Phone (781) 466-6900 Fax (781) 466-6901

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	
Client Contact	Vidhi Pariyar
Company	Innovative Engineering Solutions Inc
Address	25 Spring St
City	Walpole
State Zip	MA 02081
Phone	508-668-0033
Email	v.pariyar@IESI online.com
Project Name/number	RA-008
Site	Raytheon – Wayland
Sampler	Dewey Jones Damien Bolls
Phone	same
Lab PM	
E-Mail	same
Carrier Tracking No(s)	
COC No	22437
Page	1 of 2
Job #	
Due Date Requested:	1/24/13
TAT Requested (days):	
Quote #	
PO #	RA-008
WO #	
SSOW#	

Preservation Codes:
A - HCL J - DI Water
B - NaOH M - Hexane
C - Zn Acetate N - None
D - Nitric Acid P - Na2O4S
E - NaHSO4 Q - Na2SO3
F - MeOH R - Na2S2SO3
H - Ascorbic Acid S - H2SO4
I - Ice Z - other (specify)

Regulatory programs:
MCP ☐ GW1/S1 ☒
RCP ☐ CT RSR ☐
DEP Form ☐ EDD Required ☐

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue A=Air)	Sampler's Initials	Field Filtered Sample?	Perform MS/MSD?	8260C	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	X	A-H		
RFW-1-20130110-01	1/10/13	1150	C	W	DJ			X	3	
RFW-6-20130110-01	1/10/13	0750	C	W	DJ			X	3	
RFW-7-20130110-01	1/10/13	1110	C	W	DJ			X	3	
RFW-8-20130110-01	1/10/13	1330	C	W	DJ			X	3	
RFW-13-20130110-01	1/10/13	0855	C	W	DJ			X	3	
MW-261S-20130110-01	1/10/13	1035	C	W				X	3	
MW 265M-20130110-01	1/10/13	1210	C	W				X	3	
MW-552-20130110-01	1/10/13	0945	C	W				X	3	
MW-562-20130110-01	1/10/13	1125	C	W				X	3	
MW-563-20130110-01	1/10/13	0900	C	W				X	3	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements.

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	1/10/13 1330	IESI	[signature]	1/10/13 1402	TAL
[signature]	1/10/13 1630	TAL	[signature]	1/11/13 0800	TAL

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 4.1 #3

TAL-8245-360 1111

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

Boston Service Center
240 Bear Hill Rd Suite 104
Waltham, MA 02451
Phone (781) 466-6900 Fax (781) 466-6901

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information

Client Contact: Vicki Parigan	Sampler: Doug Jones Danny Rolls	Lab PM:	Carrier Tracking No(s):
Company: Innovative Engineering Solutions Inc	Phone: same	E-Mail: same	COC No: 22436
Address: 25 Spring St	Due Date Requested: 1/24/13		Page: 2 of 2
City: Walpole	TAT Requested (days):		Job #:
State, Zip: MA 02081	Quote #:		
Phone: 508-668-0033	PO #: RA-008		
Email: v.parigan@IESonline.com	WO #:		
Project Name/number: RA-008	SSOW#:		
Site: Raytheon Wayland			

Analysis Requested

Preservation Codes:
A - HCL J - DI Water
B - NaOH M - Hexane
C - Zn Acetate N - None
D - Nitric Acid P - Na2O4S
E - NaHSO4 Q - Na2SO3
F - MeOH R - Na2S2SO3
H - Ascorbic Acid S - H2SO4
I - Ice Z - other (specify)

Regulatory programs:
MCP ☐ GW1/S1 ☒
RCP ☐ CT RSR ☐
DEP Form ☐ EDD Required ☐

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil BT=Tissue A=Air)	Sampler's Initials	Field Filtered Sample?	Perform MS/MSD?	8260C	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	X	I+H		
Dup X-30130110-01	—	—	G	W	—			X		
Trip Blanks	—	—	—	W				X		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	1/10/13 1330	IESI	[signature]	1/10/13 1400	TAL
[signature]	1/10/13 1630	TAL	[signature]	1/11/13 0800	TAL

Custody Seals Intact: Yes No
Custody Seal No :
Cooler Temperature(s) °C and Other Remarks: 4,1 # 7

TAL-8245-360 1111

Login Sample Receipt Checklist

Client: Innovative Engineering Solutions, Inc

Job Number: 480-31428-1

Login Number: 31428
List Number: 1
Creator: Janish, Carl

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.		
The cooler's custody seal, if present, is intact.		
The cooler or samples do not appear to have been compromised or tampered with.		
Samples were received on ice.		
Cooler Temperature is acceptable.		
Cooler Temperature is recorded.		
COC is present.		
COC is filled out in ink and legible.		
COC is filled out with all pertinent information.		
Is the Field Sampler's name present on COC?		
There are no discrepancies between the sample IDs on the containers and the COC.		
Samples are received within Holding Time.		
Sample containers have legible labels.		
Containers are not broken or leaking.		
Sample collection date/times are provided.		
Appropriate sample containers are used.		
Sample bottles are completely filled.		
Sample Preservation Verified		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs		
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").		
If necessary, staff have been informed of any short hold time or quick TAT needs		
Multiphasic samples are not present.		
Samples do not require splitting or compositing.		

Login Sample Receipt Checklist

Client: Innovative Engineering Solutions, Inc

Job Number: 480-31428-1

Login Number: 31428

List Source: TestAmerica Buffalo

List Number: 2

Creator: Janish, Carl

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	iesi
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Raytheon, Wayland, MA
Analytical Report

Well Samples

Prepared By:
BTC
25 Spring Street,
Walpole, MA 02081-4301
Phone (508) 668-0191 • Fax (508) 668-5175

Sampled: 01/10/13
Analyzed: 01/10/13-01/11/13

Bioremediation & Treatability Center

25 Spring Street • Walpole, MA 02081-4301 •phone (508) 668-0191 • fax (508) 668-5175

January 11, 2013

IESI
Sami Fam
Innovative Engineering Solutions, Inc.
25 Spring St.
Walpole, MA 02081-4301

RE: Analytical Data Report
Raytheon
Wayland, MA

Dear Mr. Fam,

Enclosed are the results of the sample(s) submitted to our laboratory on January 10, 2013.

All analyses were performed to our laboratory's quality assurance program. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. You may also contact me via email at G.Pon@Biotreatcenter.com

Respectfully submitted,
Bioremediation Treatability Center

George Pon
Laboratory Director

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-261 S
Sampler	dj/dr
Sample Date	1/10/13
Sample Time	10:35 AM
Sample Received	1/10/13
Method	Modified EPA 5021 A

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Dissolved Gasses					
Methane	19382	µg/L	0.3 µg/L	1/10/2013	swd
Ethylene	14.8	µg/L	0.3 µg/L	1/10/2013	swd
Ethane	<0.3	µg/L	0.3 µg/L	1/10/2013	swd
Acetylene	<2	µg/L	2µg/L	1/10/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-265 M
Sampler	dj/dr
Sample Date	1/10/13
Sample Time	12:10 PM
Sample Received	1/10/13
Method	Modified EPA 5021 A

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Dissolved Gasses					
Methane	30867	µg/L	0.3 µg/L	1/10/2013	swd
Ethylene	548	µg/L	0.3 µg/L	1/10/2013	swd
Ethane	<0.3	µg/L	0.3 µg/L	1/10/2013	swd
Acetylene	<2	µg/L	2µg/L	1/10/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-552
Sampler	dj/dr
Sample Date	1/10/13
Sample Time	9:45 AM
Sample Received	1/10/13
Method	Modified EPA 5021 A

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Dissolved Gasses					
Methane	13300	µg/L	0.3 µg/L	1/10/2013	swd
Ethylene	<0.3	µg/L	0.3 µg/L	1/10/2013	swd
Ethane	<0.3	µg/L	0.3 µg/L	1/10/2013	swd
Acetylene	<2	µg/L	2µg/L	1/10/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-562
Sampler	dj/dr
Sample Date	1/10/13
Sample Time	11:25 AM
Sample Received	1/10/13
Method	Modified EPA 5021 A

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Dissolved Gasses					
Methane	25342	µg/L	0.3 µg/L	1/10/2013	swd
Ethylene	17.2	µg/L	0.3 µg/L	1/10/2013	swd
Ethane	8.1	µg/L	0.3 µg/L	1/10/2013	swd
Acetylene	<2	µg/L	2µg/L	1/10/2013	swd

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-563
Sampler	dj/dr
Sample Date	1/10/13
Sample Time	9:00 AM
Sample Received	1/10/13
Method	Modified EPA 5021 A

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Dissoved Gasses					
Methane	141	µg/L	0.3 µg/L	1/10/2013	swd
Ethylene	13.4	µg/L	0.3 µg/L	1/10/2013	swd
Ethane	<0.3	µg/L	0.3 µg/L	1/10/2013	swd
Acetylene	<2	µg/L	2µg/L	1/10/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-1
Sampler	dj/dr
Sample Date	1/10/13
Sample Time	11:50 AM
Sample Received	1/10/13
Method	Modified EPA 5021 A

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Dissolved Gasses					
Methane	23751	µg/L	0.3 µg/L	1/10/2013	swd
Ethylene	<0.3	µg/L	0.3 µg/L	1/10/2013	swd
Ethane	52.7	µg/L	0.3 µg/L	1/10/2013	swd
Acetylene	<2	µg/L	2µg/L	1/10/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-6
Sampler	dj/dr
Sample Date	1/10/13
Sample Time	9:50 AM
Sample Received	1/10/13
Method	Modified EPA 5021 A

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Dissolved Gasses					
Methane	182	µg/L	0.3 µg/L	1/10/2013	swd
Ethylene	1.0	µg/L	0.3 µg/L	1/10/2013	swd
Ethane	<0.3	µg/L	0.3 µg/L	1/10/2013	swd
Acetylene	<2	µg/L	2µg/L	1/10/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-7
Sampler	dj/dr
Sample Date	1/10/13
Sample Time	11:10 AM
Sample Received	1/10/13
Method	Modified EPA 5021 A

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Dissolved Gasses					
Methane	375	µg/L	0.3 µg/L	1/10/2013	swd
Ethylene	17.0	µg/L	0.3 µg/L	1/10/2013	swd
Ethane	<0.3	µg/L	0.3 µg/L	1/10/2013	swd
Acetylene	<2	µg/L	2µg/L	1/10/2013	swd

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-8
Sampler	dj/dr
Sample Date	1/10/13
Sample Time	10:30 AM
Sample Received	1/10/13
Method	Modified EPA 5021 A

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Dissolved Gasses					
Methane	292	µg/L	0.3 µg/L	1/10/2013	swd
Ethylene	7.1	µg/L	0.3 µg/L	1/10/2013	swd
Ethane	<0.3	µg/L	0.3 µg/L	1/10/2013	swd
Acetylene	<2	µg/L	2µg/L	1/10/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-12
Sampler	dj/dr
Sample Date	1/10/13
Sample Time	8:55 AM
Sample Received	1/10/13
Method	Modified EPA 5021 A

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Dissolved Gasses					
Methane	29.8	µg/L	0.3 µg/L	1/10/2013	swd
Ethylene	0.6	µg/L	0.3 µg/L	1/10/2013	swd
Ethane	<0.3	µg/L	0.3 µg/L	1/10/2013	swd
Acetylene	<2	µg/L	2µg/L	1/10/2013	swd

---Dissolved Gasses---

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA

Sample ID Trip Blank

Sampler na
Sample Date na
Sample Time na
Sample Received 1/10/13

Method Modified EPA 5021 A

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Dissolved Gasses					
Methane	<0.3	µg/L	0.3 µg/L	1/10/2013	swd
Ethylene	<0.3	µg/L	0.3 µg/L	1/10/2013	swd
Ethane	<0.3	µg/L	0.3 µg/L	1/10/2013	swd
Acetylene	<2	µg/L	2µg/L	1/10/2013	swd

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-261 S
Sampler	dj/dr
Sample Date	1/10/2013
Sample Time	10:35 AM
Sample Received	1/10/2013
Method	Modified EPA 300

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Anions					
Chloride	21	mg/L	1 mg/L	1/10/2013	swd
Nitrate	<1	mg/L	1 mg/L	1/10/2013	swd
Sulfate	<1	mg/L	1 mg/L	1/10/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-265 M
Sampler	dj/dr
Sample Date	1/10/2013
Sample Time	12:10 PM
Sample Received	1/10/2013
Method	Modified EPA 300

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Anions					
Chloride	29	mg/L	1 mg/L	1/10/2013	swd
Nitrate	<1	mg/L	1 mg/L	1/10/2013	swd
Sulfate	<1	mg/L	1 mg/L	1/10/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-552
Sampler	dj/dr
Sample Date	1/10/2013
Sample Time	9:45 AM
Sample Received	1/10/2013
Method	Modified EPA 300

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Anions					
Chloride	9	mg/L	1 mg/L	1/10/2013	swd
Nitrate	<1	mg/L	1 mg/L	1/10/2013	swd
Sulfate	4	mg/L	1 mg/L	1/10/2013	swd

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-562
Sampler	dj/dr
Sample Date	1/10/2013
Sample Time	11:25 AM
Sample Received	1/10/2013
Method	Modified EPA 300

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Anions					
Chloride	30	mg/L	1 mg/L	1/10/2013	swd
Nitrate	<1	mg/L	1 mg/L	1/10/2013	swd
Sulfate	<1	mg/L	1 mg/L	1/10/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-563
Sampler	dj/dr
Sample Date	1/10/2013
Sample Time	9:00 AM
Sample Received	1/10/2013
Method	Modified EPA 300

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Anions					
Chloride	43	mg/L	1 mg/L	1/10/2013	swd
Nitrate	<1	mg/L	1 mg/L	1/10/2013	swd
Sulfate	21	mg/L	1 mg/L	1/10/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-1
Sampler	dj/dr
Sample Date	1/10/2013
Sample Time	11:50 AM
Sample Received	1/10/2013
Method	Modified EPA 300

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Anions					
Chloride	14	mg/L	1 mg/L	1/10/2013	swd
Nitrate	<1	mg/L	1 mg/L	1/10/2013	swd
Sulfate	<1	mg/L	1 mg/L	1/10/2013	swd

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-6
Sampler	dj/dr
Sample Date	1/10/2013
Sample Time	9:50 AM
Sample Received	1/10/2013
Method	Modified EPA 300

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Anions					
Chloride	40	mg/L	1 mg/L	1/10/2013	swd
Nitrate	<1	mg/L	1 mg/L	1/10/2013	swd
Sulfate	39	mg/L	1 mg/L	1/10/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-7
Sampler	dj/dr
Sample Date	1/10/2013
Sample Time	11:10 AM
Sample Received	1/10/2013
Method	Modified EPA 300

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Anions					
Chloride	22	mg/L	1 mg/L	1/10/2013	swd
Nitrate	<1	mg/L	1 mg/L	1/10/2013	swd
Sulfate	27	mg/L	1 mg/L	1/10/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-8
Sampler	dj/dr
Sample Date	1/10/2013
Sample Time	10:30 AM
Sample Received	1/10/2013
Method	Modified EPA 300

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Anions					
Chloride	27	mg/L	1 mg/L	1/10/2013	swd
Nitrate	<1	mg/L	1 mg/L	1/10/2013	swd
Sulfate	45	mg/L	1 mg/L	1/10/2013	swd

Project Identification:	Raytheon, Wayland, MA

Sample ID	REW-12
Sampler	dj/dr
Sample Date	1/10/2013
Sample Time	8:55 AM
Sample Received	1/10/2013

Method Modified EPA 300

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Anions					
Chloride	27	mg/L	1 mg/L	1/10/2013	swd
Nitrate	<1	mg/L	1 mg/L	1/10/2013	swd
Sulfate	62	mg/L	1 mg/L	1/10/2013	swd

Project Identification:	Raytheon, Wayland, MA

Sample ID	Trip Blank
Sampler	na
Sample Date	na
Sample Time	na
Sample Received	1/10/2013

Method Modified EPA 300

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Anions					
Chloride	<1	mg/L	1 mg/L	1/10/2013	swd
Nitrate	<1	mg/L	1 mg/L	1/10/2013	swd
Sulfate	<1	mg/L	1 mg/L	1/10/2013	swd

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-261 S
Sampler	dj/dr
Sample Date	1/10/2013
Sample Time	10:35 AM
Sample Received	1/10/2013

Method	HPLC / Organic Acid Method				
Compound	**Test Value**	**Units**	**Detection Limit**	**Analysis Date**	**Tech**
Organic Acids					
Lactate	<1	mg/L	1 mg/L	1/10/2013	swd
Acetate	189	mg/L	1 mg/L	1/10/2013	swd
Propionate	<1	mg/L	1 mg/L	1/10/2013	swd
Butyrate	<1	mg/L	1 mg/L	1/10/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-265 M
Sampler	dj/dr
Sample Date	1/10/13
Sample Time	12:10 PM
Sample Received	1/10/13

Method	HPLC / Organic Acid Method				
Compound	**Test Value**	**Units**	**Detection Limit**	**Analysis Date**	**Tech**
Organic Acids					
Lactate	<1	mg/L	1 mg/L	1/10/2013	swd
Acetate	594	mg/L	1 mg/L	1/10/2013	swd
Propionate	3	mg/L	1 mg/L	1/10/2013	swd
Butyrate	9	mg/L	1 mg/L	1/10/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-552
Sampler	dj/dr
Sample Date	1/10/13
Sample Time	9:45 AM
Sample Received	1/10/13

Method	HPLC / Organic Acid Method				
Compound	**Test Value**	**Units**	**Detection Limit**	**Analysis Date**	**Tech**
Organic Acids					
Lactate	<1	mg/L	1 mg/L	1/10/2013	swd
Acetate	42	mg/L	1 mg/L	1/10/2013	swd
Propionate	<1	mg/L	1 mg/L	1/10/2013	swd
Butyrate	1	mg/L	1 mg/L	1/10/2013	swd

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-562
Sampler	dj/dr
Sample Date	1/10/13
Sample Time	11:25 AM
Sample Received	1/10/13

Method	HPLC / Organic Acid Method				
Compound	**Test Value**	**Units**	**Detection Limit**	**Analysis Date**	**Tech**
Organic Acids					
Lactate	<1	mg/L	1 mg/L	1/10/2013	swd
Acetate	132	mg/L	1 mg/L	1/10/2013	swd
Propionate	<1	mg/L	1 mg/L	1/10/2013	swd
Butyrate	<1	mg/L	1 mg/L	1/10/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-563
Sampler	dj/dr
Sample Date	1/10/13
Sample Time	9:00 AM
Sample Received	1/10/13

Method	HPLC / Organic Acid Method				
Compound	**Test Value**	**Units**	**Detection Limit**	**Analysis Date**	**Tech**
Organic Acids					
Lactate	<1	mg/L	1 mg/L	1/10/2013	swd
Acetate	115	mg/L	1 mg/L	1/10/2013	swd
Propionate	<1	mg/L	1 mg/L	1/10/2013	swd
Butyrate	1	mg/L	1 mg/L	1/10/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-1
Sampler	dj/dr
Sample Date	1/10/13
Sample Time	11:50 AM
Sample Received	1/10/13

Method	HPLC / Organic Acid Method				
Compound	**Test Value**	**Units**	**Detection Limit**	**Analysis Date**	**Tech**
Organic Acids					
Lactate	<1	mg/L	1 mg/L	1/10/2013	swd
Acetate	173	mg/L	1 mg/L	1/10/2013	swd
Propionate	<1	mg/L	1 mg/L	1/10/2013	swd
Butyrate	5	mg/L	1 mg/L	1/10/2013	swd

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-6
Sampler	dj/dr
Sample Date	1/10/13
Sample Time	9:50 AM
Sample Received	1/10/13

Method HPLC / Organic Acid Method

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Organic Acids					
Lactate	<1	mg/L	1 mg/L	1/10/2013	swd
Acetate	3	mg/L	1 mg/L	1/10/2013	swd
Propionate	<1	mg/L	1 mg/L	1/10/2013	swd
Butyrate	2	mg/L	1 mg/L	1/10/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-7
Sampler	dj/dr
Sample Date	1/10/13
Sample Time	11:10 AM
Sample Received	1/10/13

Method HPLC / Organic Acid Method

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Organic Acids					
Lactate	<1	mg/L	1 mg/L	1/10/2013	swd
Acetate	7	mg/L	1 mg/L	1/10/2013	swd
Propionate	<1	mg/L	1 mg/L	1/10/2013	swd
Butyrate	1	mg/L	1 mg/L	1/10/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-8
Sampler	dj/dr
Sample Date	1/10/13
Sample Time	10:30:00 AM
Sample Received	1/10/13

Method HPLC / Organic Acid Method

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Organic Acids					
Lactate	<1	mg/L	1 mg/L	1/10/2013	swd
Acetate	2	mg/L	1 mg/L	1/10/2013	swd
Propionate	<1	mg/L	1 mg/L	1/10/2013	swd
Butyrate	1	mg/L	1 mg/L	1/10/2013	swd

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-12
Sampler	dj/dr
Sample Date	1/10/13
Sample Time	8:55 AM
Sample Received	1/10/13

Method HPLC / Organic Acid Method

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Organic Acids					
Lactate	<1	mg/L	1 mg/L	1/10/2013	swd
Acetate	<1	mg/L	1 mg/L	1/10/2013	swd
Propionate	<1	mg/L	1 mg/L	1/10/2013	swd
Butyrate	1	mg/L	1 mg/L	1/10/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	Trip Blank
Sampler	na
Sample Date	na
Sample Time	na
Sample Received	1/10/13

Method HPLC / Organic Acid Method

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Organic Acids					
Lactate	<1	mg/L	1 mg/L	1/10/2013	swd
Acetate	<1	mg/L	1 mg/L	1/10/2013	swd
Propionate	<1	mg/L	1 mg/L	1/10/2013	swd
Butyrate	<1	mg/L	1 mg/L	1/10/2013	swd

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA

Sample ID MW-261 S

Sampler dj/dr
Sample Date 1/10/2013
Sample Time 10:35 AM
Sample Received 1/10/2013

Chemical Tests	**Test Value**	**Units**	**Method**	**Detection Limit**	**Analysis Date**	**Tech**
Alkalinity	360	mg/L	HACH 8203	5 mg/L	rdr	41284
Manganese	na	mg/L	HACH 8034	0.12 mg/L	na	na
NH_3-N	0.24	mg/L	HACH 8155	0.02 mg/L	rdr	41285
PO_4	0.31	mg/L	HACH 8048	0.05 mg/L	rdr	41285
Sulfide	na	mg/L	HACH 8131	0.01 mg/L	na	na
Total Iron	54.6	mg/L	HACH 8008	0.03 mg/L	rdr	41285
COD	na	mg/L	HACH 8000	<2 mg/L	na	na
TOC	256	mg/L	EPA 9060A	<0.3 mg/L	swd	41285
pH	6.84	pH units	pH probe	<0.01 pH units	rdr	41284

Project Identification:	Raytheon, Wayland, MA

Sample ID MW-265 M

Sampler dj/dr
Sample Date 1/10/2013
Sample Time 12:10 PM
Sample Received 1/10/2013

Chemical Tests	**Test Value**	**Units**	**Method**	**Detection Limit**	**Analysis Date**	**Tech**
Alkalinity	670	mg/L	HACH 8203	5 mg/L	rdr	41284
Manganese	na	mg/L	HACH 8034	0.12 mg/L	na	na
NH_3-N	0.36	mg/L	HACH 8155	0.02 mg/L	rdr	41285
PO_4	0.82	mg/L	HACH 8048	0.05 mg/L	rdr	41285
Sulfide	na	mg/L	HACH 8131	0.01 mg/L	na	na
Total Iron	82.0	mg/L	HACH 8008	0.03 mg/L	rdr	41285
COD	na	mg/L	HACH 8000	<2 mg/L	na	na
TOC	498	mg/L	EPA 9060A	<0.3 mg/L	swd	41285
pH	6.75	pH units	pH probe	<0.01 pH units	rdr	41284

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-552
Sampler	dj/dr
Sample Date	1/10/2013
Sample Time	9:45 AM
Sample Received	1/10/2013

Chemical Tests	Test Value	Units	Method	Detection Limit	Analysis Date	Tech
Alkalinity	280	mg/L	HACH 8203	5 mg/L	rdr	41284
Manganese	na	mg/L	HACH 8034	0.12 mg/L	na	na
NH_3-N	0.25	mg/L	HACH 8155	0.02 mg/L	rdr	41285
PO_4	0.23	mg/L	HACH 8048	0.05 mg/L	rdr	41285
Sulfide	na	mg/L	HACH 8131	0.01 mg/L	na	na
Total Iron	23.2	mg/L	HACH 8008	0.03 mg/L	rdr	41285
COD	na	mg/L	HACH 8000	<2 mg/L	na	na
TOC	39.0	mg/L	EPA 9060A	<0.3 mg/L	swd	41285
pH	6.85	pH units	pH probe	<0.01 pH units	rdr	41284

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-562
Sampler	dj/dr
Sample Date	1/10/2013
Sample Time	11:25 AM
Sample Received	1/10/2013

Chemical Tests	Test Value	Units	Method	Detection Limit	Analysis Date	Tech
Alkalinity	705	mg/L	HACH 8203	5 mg/L	rdr	41284
Manganese	na	mg/L	HACH 8034	0.12 mg/L	na	na
NH_3-N	5.00	mg/L	HACH 8155	0.02 mg/L	rdr	41285
PO_4	0.38	mg/L	HACH 8048	0.05 mg/L	rdr	41285
Sulfide	na	mg/L	HACH 8131	0.01 mg/L	na	na
Total Iron	79.5	mg/L	HACH 8008	0.03 mg/L	rdr	41285
COD	na	mg/L	HACH 8000	<2 mg/L	na	na
TOC	81.0	mg/L	EPA 9060A	<0.3 mg/L	swd	41285
pH	6.54	pH units	pH probe	<0.01 pH units	rdr	41284

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA

Sample ID MW-563

Sampler dj/dr
Sample Date 1/10/2013
Sample Time 9:00 AM
Sample Received 1/10/2013

Chemical Tests	Test Value	Units	Method	Detection Limit	Analysis Date	Tech
Alkalinity	180	mg/L	HACH 8203	5 mg/L	rdr	41284
Manganese	na	mg/L	HACH 8034	0.12 mg/L	na	na
NH_3-N	0.04	mg/L	HACH 8155	0.02 mg/L	rdr	41285
PO_4	0.42	mg/L	HACH 8048	0.05 mg/L	rdr	41285
Sulfide	na	mg/L	HACH 8131	0.01 mg/L	na	na
Total Iron	30.0	mg/L	HACH 8008	0.03 mg/L	rdr	41285
COD	na	mg/L	HACH 8000	<2 mg/L	na	na
TOC	102	mg/L	EPA 9060A	<0.3 mg/L	swd	41285
pH	6.70	pH units	pH probe	<0.01 pH units	rdr	41284

Project Identification:	Raytheon, Wayland, MA

Sample ID REW-1

Sampler dj/dr
Sample Date 1/10/2013
Sample Time 11:50 AM
Sample Received 1/10/2013

Chemical Tests	Test Value	Units	Method	Detection Limit	Analysis Date	Tech
Alkalinity	360	mg/L	HACH 8203	5 mg/L	rdr	41284
Manganese	na	mg/L	HACH 8034	0.12 mg/L	na	na
NH_3-N	0.90	mg/L	HACH 8155	0.02 mg/L	rdr	41285
PO_4	<0.05	mg/L	HACH 8048	0.05 mg/L	rdr	41285
Sulfide	na	mg/L	HACH 8131	0.01 mg/L	na	na
Total Iron	47.6	mg/L	HACH 8008	0.03 mg/L	rdr	41285
COD	na	mg/L	HACH 8000	<2 mg/L	na	na
TOC	182	mg/L	EPA 9060A	<0.3 mg/L	swd	41285
pH	6.81	pH units	pH probe	<0.01 pH units	rdr	41284

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA

Sample ID REW-6

Sampler dj/dr
Sample Date 1/10/2013
Sample Time 9:50 AM
Sample Received 1/10/2013

Chemical Tests	Test Value	Units	Method	Detection Limit	Analysis Date	Tech
Alkalinity	140	mg/L	HACH 8203	5 mg/L	rdr	41284
Manganese	na	mg/L	HACH 8034	0.12 mg/L	na	na
NH_3-N	0.06	mg/L	HACH 8155	0.02 mg/L	rdr	41285
PO_4	0.26	mg/L	HACH 8048	0.05 mg/L	rdr	41285
Sulfide	na	mg/L	HACH 8131	0.01 mg/L	na	na
Total Iron	13.5	mg/L	HACH 8008	0.03 mg/L	rdr	41285
COD	na	mg/L	HACH 8000	<2 mg/L	na	na
TOC	4.5	mg/L	EPA 9060A	<0.3 mg/L	swd	41285
pH	6.75	pH units	pH probe	<0.01 pH units	rdr	41284

Project Identification:	Raytheon, Wayland, MA

Sample ID REW-7

Sampler dj/dr
Sample Date 1/10/2013
Sample Time 11:10 AM
Sample Received 1/10/2013

Chemical Tests	Test Value	Units	Method	Detection Limit	Analysis Date	Tech
Alkalinity	140	mg/L	HACH 8203	5 mg/L	rdr	41284
Manganese	na	mg/L	HACH 8034	0.12 mg/L	na	na
NH_3-N	0.06	mg/L	HACH 8155	0.02 mg/L	rdr	41285
PO_4	<0.05	mg/L	HACH 8048	0.05 mg/L	rdr	41285
Sulfide	na	mg/L	HACH 8131	0.01 mg/L	na	na
Total Iron	15.8	mg/L	HACH 8008	0.03 mg/L	rdr	41285
COD	na	mg/L	HACH 8000	<2 mg/L	na	na
TOC	6.5	mg/L	EPA 9060A	<0.3 mg/L	swd	41285
pH	6.67	pH units	pH probe	<0.01 pH units	rdr	41284

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA

Sample ID REW-8

Sampler dj/dr
Sample Date 1/10/2013
Sample Time 10:30 AM
Sample Received 1/10/2013

Chemical Tests	Test Value	Units	Method	Detection Limit	Analysis Date	Tech
Alkalinity	100	mg/L	HACH 8203	5 mg/L	rdr	41284
Manganese	na	mg/L	HACH 8034	0.12 mg/L	na	na
NH_3-N	0.05	mg/L	HACH 8155	0.02 mg/L	rdr	41285
PO_4	0.14	mg/L	HACH 8048	0.05 mg/L	rdr	41285
Sulfide	na	mg/L	HACH 8131	0.01 mg/L	na	na
Total Iron	18.4	mg/L	HACH 8008	0.03 mg/L	rdr	41285
COD	na	mg/L	HACH 8000	<2 mg/L	na	na
TOC	4.3	mg/L	EPA 9060A	<0.3 mg/L	swd	41285
pH	6.73	pH units	pH probe	<0.01 pH units	rdr	41284

Project Identification:	Raytheon, Wayland, MA

Sample ID REW-12

Sampler dj/dr
Sample Date 1/10/2013
Sample Time 8:55 AM
Sample Received 1/10/2013

Chemical Tests	Test Value	Units	Method	Detection Limit	Analysis Date	Tech
Alkalinity	100	mg/L	HACH 8203	5 mg/L	rdr	41284
Manganese	na	mg/L	HACH 8034	0.12 mg/L	na	na
NH_3-N	0.06	mg/L	HACH 8155	0.02 mg/L	rdr	41285
PO_4	0.08	mg/L	HACH 8048	0.05 mg/L	rdr	41285
Sulfide	na	mg/L	HACH 8131	0.01 mg/L	na	na
Total Iron	18.6	mg/L	HACH 8008	0.03 mg/L	rdr	41285
COD	na	mg/L	HACH 8000	<2 mg/L	na	na
TOC	2.1	mg/L	EPA 9060A	<0.3 mg/L	swd	41285
pH	6.63	pH units	pH probe	<0.01 pH units	rdr	41284

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA

Sample ID	Trip Blank
Sampler	na
Sample Date	na
Sample Time	na
Sample Received	1/10/2013

Chemical Tests	Test Value	Units	Method	Detection Limit	Analysis Date	Tech
Alkalinity	10	mg/L	HACH 8203	5 mg/L	rdr	41284
Manganese	na	mg/L	HACH 8034	0.12 mg/L	na	na
NH_3-N	<0.02	mg/L	HACH 8155	0.02 mg/L	rdr	41285
PO_4	<0.05	mg/L	HACH 8048	0.05 mg/L	rdr	41285
Sulfide	na	mg/L	HACH 8131	0.01 mg/L	na	na
Total Iron	<0.03	mg/L	HACH 8008	0.03 mg/L	rdr	41285
COD	na	mg/L	HACH 8000	<2 mg/L	na	na
TOC	<0.3	mg/L	EPA 9060A	<0.3 mg/L	swd	41285
pH	7.17	pH units	pH probe	<0.01 pH units	rdr	41284

Project	Raytheon, Wayland, MA					
Date Received	1/10/13	1/10/13	1/10/13	1/10/13	1/10/13	1/10/13
Sample ID	MW-261 S	MW-265 M	MW-552	MW-562	MW-563	REW-1
Date Sampled	1/10/13	1/10/13	1/10/13	1/10/13	1/10/13	1/10/13

Dissolved Gasses							
Date Analyzed		1/10/13	1/10/13	1/10/13	1/10/13	1/10/13	1/10/13
Sample ID	Units	MW-261 S	MW-265 M	MW-552	MW-562	MW-563	REW-1
Methane	µg/L	19382	30867	13300	25342	141	23751
Ethylene	µg/L	14.8	548	<0.3	17.2	13.4	<0.3
Ethane	µg/L	<0.3	<0.3	<0.3	8.1	<0.3	52.7
Acetylene	µg/L	<2	<2	<2	<2	<2	<2

Anions							
Date Analyzed		1/10/13	1/10/13	1/10/13	1/10/13	1/10/13	1/10/13
Sample ID	Units	MW-261 S	MW-265 M	MW-552	MW-562	MW-563	REW-1
Chloride	mg/L	21	29	9	30	43	14
Nitrate	mg/L	<1	<1	<1	<1	<1	<1
Sulfate	mg/L	<1	<1	4	<1	21	<1
Organic Acids							
Date Analyzed		1/10/13	1/10/13	1/10/13	1/10/13	1/10/13	1/10/13
Lactate	mg/L	<1	<1	<1	<1	<1	<1
Acetate	mg/L	189	594	42	132	115	173
Propionate	mg/L	<1	3	<1	<1	<1	<1
Butyrate	mg/L	<1	9	1	<1	1	5

Chemistries							
Date Analyzed	1/10/13-1/11/13						
Sample ID	Units	MW-261 S	MW-265 M	MW-552	MW-562	MW-563	REW-1
Alkalinity	mg/L	360	670	280	705	180	360
Manganese	mg/L	na	na	na	na	na	na
NH_3-N	mg/L	0.24	0.36	0.25	5.00	0.04	0.90
PO_4	mg/L	0.31	0.82	0.23	0.38	0.42	<0.05
Sulfide	mg/L	na	na	na	na	na	na
Total Iron	mg/L	54.6	82.0	23.2	79.5	30.0	47.6
COD	mg/L	na	na	na	na	na	na
TOC	mg/L	256	498	39.0	81.0	102	182
pH	pH units	6.84	6.75	6.85	6.54	6.70	6.81

H2/CO2 by TCD analysis							
Date Analyzed		na	na	na	na	na	na
Sample ID	Units	MW-261 S	MW-265 M	MW-552	MW-562	MW-563	REW-1
H2	µM	na	na	na	na	na	na
CO2	mg/L	na	na	na	na	na	na

Project	Raytheon, Wayland, MA					
Date Received		1/10/13	1/10/13	1/10/13	1/10/13	1/10/13
Sample ID		REW-6	REW-7	REW-8	REW-12	Trip Blank
Date Sampled		1/10/13	1/10/13	1/10/13	1/10/13	na

Dissolved Gasses						
Date Analyzed		1/10/13	1/10/13	1/10/13	1/10/13	1/10/13
Sample ID	Units	REW-6	REW-7	REW-8	REW-12	Trip Blank
Methane	µg/L	182	375	292	29.8	<0.3
Ethylene	µg/L	1.0	17.0	7.1	0.6	<0.3
Ethane	µg/L	<0.3	<0.3	<0.3	<0.3	<0.3
Acetylene	µg/L	<2	<2	<2	<2	<2

Anions						
Date Analyzed		1/10/13	1/10/13	1/10/13	1/10/13	1/10/13
Sample ID	Units	REW-6	REW-7	REW-8	REW-12	Trip Blank
Chloride	mg/L	40	22	27	27	<1
Nitrate	mg/L	<1	<1	<1	<1	<1
Sulfate	mg/L	39	27	45	62	<1
Organic Acids						
Date Analyzed		1/10/13	1/10/13	1/10/13	1/10/13	1/10/13
Lactate	mg/L	<1	<1	<1	<1	<1
Acetate	mg/L	3	7	2	<1	<1
Propionate	mg/L	<1	<1	<1	<1	<1
Butyrate	mg/L	2	1	1	1	<1

Chemistries						
Date Analyzed	1/10/13-1/11/13					
Sample ID	Units	REW-6	REW-7	REW-8	REW-12	Trip Blank
Alkalinity	mg/L	140	140	100	100	10
Manganese	mg/L	na	na	na	na	na
NH_3-N	mg/L	0.06	0.06	0.05	0.06	<0.02
PO_4	mg/L	0.26	<0.05	0.14	0.08	<0.05
Sulfide	mg/L	na	na	na	na	na
Total Iron	mg/L	13.5	15.8	18.4	18.6	<0.03
COD	mg/L	na	na	na	na	na
TOC	mg/L	4.5	6.5	4.3	2.1	<0.3
pH	pH units	6.75	6.67	6.73	6.63	7.17

H2/CO2 by TCD analysis						
Date Analyzed		na	na	na	na	na
Sample ID	Units	REW-6	REW-7	REW-8	REW-12	Trip Blank
H_2	µM	na	na	na	na	na
CO_2	mg/L	na	na	na	na	na

TESTING METHODS

Ion Analysis

Inorganic anions were analyzed on a Metrohm 761 IC system according to modified EPA Method 300. Organic acids were analyzed by HPLC method with an organic acid column for lactate, acetate, propionate, and butyrate. A sample to be analyzed for anions is diluted with ultra pure water as necessary to obtain the analytes in the working range of the method, and is placed into the instrument, where the sample is introduced by an automated sampling device. All samples were placed sequentially in the auto sampler and the samples were injected sequentially into the ion-exchange column. Flows from the column were directed to a conductivity detector and the peak responses were processed for quantification. Identification of analytes is based on retention times for individual analytes, and quantification is based on analysis of prepared standards.

Gas Chromatography

Dissolved gasses were analyzed according to modified EPA Method 5021A. 10ml of the sample is transferred from the 40 ml VOA vials to a 20 ml sampling vial for a 1 to 1, headspace to liquid ratio. The headspace sample is analyzed by a HP 7694 Headspace Sampler, injected to a HP 5890 gas chromatograph. Gasses were detected by PID detector and followed by Flame Ionization Detector. Standards were prepared and analyzed in the same manner as samples.

Total Organic Carbon Analyzer

Organic carbon is measured according to a modified EPA Method 9060A using a Shimadzu TOC-5050A carbonaceous analyzer. This instrument converts the organic carbon in a sample to carbon dioxide (CO_2) by catalytic combustion. The CO_2 formed is then measured directly by and infrared detector. The amount of CO_2 in a sample is directly proportional to the concentration of carbonaceous material in the sample.

HACH Colorimeter

Chemical Tests for, Iron (Total), Manganese, Nitrogen (Ammonia), Phosphorous (Orthophosphate), and Sulfide are analyzed with a DR/ 890 Colorimeter. Alkalinity is analyzed with a HACH Alkalinity Digital Titrator. VOA vials for the analysis of these chemical tests have no preservative. The methods used are EPA approved and are as follows:

Alkalinity	Hach Titration
Ammonia Nitrogen	Hach 8155
COD	Hach 8000
Manganese	Hach 8034
Orthophosphate Phosphorous	Hach 8048
Sulfide	Hach 8131
Total Iron	Hach 8008

pH

The pH of samples is determined using a Corning 313 ATC electrode.

CHAIN OF CUSTODY RECORD

B T C **Bioremediation Treatability Center** • 25 Spring Street • Walpole, MA 02081-4301 • phone (508) 668-0191 • fax (508) 668-5175

Project Name & Project Number: RA-008

Project Manager: Vicki Paniagua

Company / Address: Innovative Engineering Solutions Inc.
25 Spring St Walpole MA 02081

Phone #: 508-668-0033 Fax #: 508-668-5175

Sampler's Signature:

Sampler's Printed Name: Doug Jones Denise Rollo

Client Sample ID	Sampling Date	Sampling Time	No. of Sample Bottles per Well	Alkalinity	Ammonia	Anions (Cl^-, NO_3^-, SO_4^-)	Biotank	Bromide	COD	Dissolved Gas	H2 / CO2	Organic Acid	Orthophosphate	pH	Sulfide	TOC	Total Iron	Total Manganese	VOC Screen	
Rew-1 - 20130110-01	1/10/13	1150	6	X	X	X				X		X	X	X			X			
Rew-6 - 20130110-01	1/10/13	0950	6	X	X	X				X		X	X	X			X			
Rew-2 - 20130110-01	1/10/13	1110	6	X	X	X				X		X	X	X			X			
Rew-8 - 20130110-01	1/10/13	1030	6	X	X	X				X		X	X	X			X			
Rew-12 - 20130110-01	1/10/13	0855	6	X	X	X				X		X	X	X			X			
mw-26S - 20130110-01	1/10/13	1035	6	X	X	X				X		X	X	X			X			
mw-26M - 20130110-01	1/10/13	1210	6	X	X	X				X		X	X	X			X			
mw-55D - 20130110-01	1/10/13	0945	6	X	X	X				X		X	X	X			X			
mw-56D - 20130110-01	1/10/13	1125	6	X	X	X				X		X	X	X			X			
mw-56S - 20130110-01	1/10/13	0930	6	X	X	X				X		X	X	X			X			
Trip Blank	—	—	4																	

Special Instructions / Comments

Relinquished By	Received By	Relinquished By	Received By
Printed Name: Doug Jones	Printed Name: Susan Davis	Printed Name	Printed Name
Firm: JESI	Firm: BTC	Firm	Firm
Date/Time: 1/10/13 1350	Date/Time: 1/10/13 1350	Date/Time	Date/Time

Raytheon, Wayland, MA
Analytical Report

Well Samples

Prepared By:
BTC
25 Spring Street,
Walpole, MA 02081-4301
Phone (508) 668-0191 • Fax (508) 668-5175

Sampled: 03/28/13-04/01/13
Analyzed: 03/29/13-04/02/13

Bioremediation & Treatability Center

25 Spring Street • Walpole, MA 02081-4301 •phone (508) 668-0191 • fax (508) 668-5175

April 2, 2013

IESI
Sami Fam
Innovative Engineering Solutions, Inc.
25 Spring St.
Walpole, MA 02081-4301

RE: Analytical Data Report
Raytheon
Wayland, MA

Dear Mr. Fam,

Enclosed are the results of the sample(s) submitted to our laboratory on March 29, 2013-April 1, 2013.

All analyses were performed to our laboratory's quality assurance program. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. You may also contact me via email at G.Pon@Biotreatcenter.com

Respectfully submitted,
Bioremediation Treatability Center

George Pon
Laboratory Director

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-261 S
Sampler	dj
Sample Date	4/1/13
Sample Time	8:35 AM
Sample Received	4/1/13
Method	Modified EPA 5021 A

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Dissolved Gasses					
Methane	21890	µg/L	0.3 µg/L	4/1/2013	swd
Ethylene	28.2	µg/L	0.3 µg/L	4/1/2013	swd
Ethane	<0.3	µg/L	0.3 µg/L	4/1/2013	swd
Acetylene	<2	µg/L	2µg/L	4/1/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-265 M
Sampler	dj
Sample Date	3/29/13
Sample Time	11:30 AM
Sample Received	3/29/13
Method	Modified EPA 5021 A

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Dissolved Gasses					
Methane	36553	µg/L	0.3 µg/L	3/29/2013	swd
Ethylene	20.3	µg/L	0.3 µg/L	3/29/2013	swd
Ethane	<0.3	µg/L	0.3 µg/L	3/29/2013	swd
Acetylene	<2	µg/L	2µg/L	3/29/2013	swd

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-268 M
Sampler	dj
Sample Date	3/29/13
Sample Time	8:35 AM
Sample Received	3/29/13
Method	Modified EPA 5021 A

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Dissolved Gasses					
Methane	29.0	µg/L	0.3 µg/L	4/1/2013	swd
Ethylene	4.3	µg/L	0.3 µg/L	4/1/2013	swd
Ethane	5.9	µg/L	0.3 µg/L	4/1/2013	swd
Acetylene	<2	µg/L	2µg/L	4/1/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-552
Sampler	dj
Sample Date	3/29/13
Sample Time	9:35 AM
Sample Received	3/29/13
Method	Modified EPA 5021 A

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Dissolved Gasses					
Methane	12420	µg/L	0.3 µg/L	4/1/2013	swd
Ethylene	20.4	µg/L	0.3 µg/L	4/1/2013	swd
Ethane	<0.3	µg/L	0.3 µg/L	4/1/2013	swd
Acetylene	<2	µg/L	2µg/L	4/1/2013	swd

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-553
Sampler	dj
Sample Date	3/29/13
Sample Time	10:40 AM
Sample Received	3/29/13
Method	Modified EPA 5021 A

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Dissoved Gasses					
Methane	24936	µg/L	0.3 µg/L	4/1/2013	swd
Ethylene	18.2	µg/L	0.3 µg/L	4/1/2013	swd
Ethane	<0.3	µg/L	0.3 µg/L	4/1/2013	swd
Acetylene	<2	µg/L	2µg/L	4/1/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-560
Sampler	dj
Sample Date	3/29/13
Sample Time	10:55 AM
Sample Received	3/29/13
Method	Modified EPA 5021 A

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Dissolved Gasses					
Methane	167	µg/L	0.3 µg/L	4/1/2013	swd
Ethylene	1.7	µg/L	0.3 µg/L	4/1/2013	swd
Ethane	<0.3	µg/L	0.3 µg/L	4/1/2013	swd
Acetylene	<2	µg/L	2µg/L	4/1/2013	swd

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-561
Sampler	dj
Sample Date	3/29/13
Sample Time	10:15 AM
Sample Received	3/29/13
Method	Modified EPA 5021 A

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Dissolved Gasses					
Methane	1544	µg/L	0.3 µg/L	4/1/2013	swd
Ethylene	96.1	µg/L	0.3 µg/L	4/1/2013	swd
Ethane	<0.3	µg/L	0.3 µg/L	4/1/2013	swd
Acetylene	<2	µg/L	2µg/L	4/1/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-562
Sampler	dj
Sample Date	3/29/13
Sample Time	12:30 PM
Sample Received	3/29/13
Method	Modified EPA 5021 A

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Dissolved Gasses					
Methane	35530	µg/L	0.3 µg/L	4/1/2013	swd
Ethylene	18.3	µg/L	0.3 µg/L	4/1/2013	swd
Ethane	21.1	µg/L	0.3 µg/L	4/1/2013	swd
Acetylene	<2	µg/L	2µg/L	4/1/2013	swd

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-563
Sampler	dj
Sample Date	3/29/13
Sample Time	9:35 AM
Sample Received	3/29/13
Method	Modified EPA 5021 A

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Dissolved Gasses					
Methane	1906	µg/L	0.3 µg/L	4/1/2013	swd
Ethylene	10.7	µg/L	0.3 µg/L	4/1/2013	swd
Ethane	<0.3	µg/L	0.3 µg/L	4/1/2013	swd
Acetylene	<2	µg/L	2µg/L	4/1/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-1
Sampler	dj
Sample Date	3/28/13
Sample Time	12:25 PM
Sample Received	3/29/13
Method	Modified EPA 5021 A

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Dissolved Gasses					
Methane	29995	µg/L	0.3 µg/L	3/29/2013	swd
Ethylene	42.9	µg/L	0.3 µg/L	3/29/2013	swd
Ethane	27.4	µg/L	0.3 µg/L	3/29/2013	swd
Acetylene	<2	µg/L	2µg/L	3/29/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-4
Sampler	dj
Sample Date	3/28/13
Sample Time	1:25 PM
Sample Received	3/29/13
Method	Modified EPA 5021 A

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Dissolved Gasses					
Methane	13144	µg/L	0.3 µg/L	3/29/2013	swd
Ethylene	7.8	µg/L	0.3 µg/L	3/29/2013	swd
Ethane	<0.3	µg/L	0.3 µg/L	3/29/2013	swd
Acetylene	<2	µg/L	2µg/L	3/29/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-5
Sampler	dj
Sample Date	3/28/13
Sample Time	2:00 PM
Sample Received	3/29/13
Method	Modified EPA 5021 A

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Dissolved Gasses					
Methane	10338	µg/L	0.3 µg/L	3/29/2013	swd
Ethylene	11.3	µg/L	0.3 µg/L	3/29/2013	swd
Ethane	8.3	µg/L	0.3 µg/L	3/29/2013	swd
Acetylene	<2	µg/L	2µg/L	3/29/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-6
Sampler	dj
Sample Date	3/29/13
Sample Time	7:35 AM
Sample Received	3/29/13
Method	Modified EPA 5021 A

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Dissolved Gasses					
Methane	169	µg/L	0.3 µg/L	4/1/2013	swd
Ethylene	0.8	µg/L	0.3 µg/L	4/1/2013	swd
Ethane	0.4	µg/L	0.3 µg/L	4/1/2013	swd
Acetylene	<2	µg/L	2µg/L	4/1/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-7
Sampler	dj
Sample Date	4/1/13
Sample Time	3:55 PM
Sample Received	4/1/13
Method	Modified EPA 5021 A

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Dissolved Gasses					
Methane	309	µg/L	0.3 µg/L	3/29/2013	swd
Ethylene	11.4	µg/L	0.3 µg/L	3/29/2013	swd
Ethane	<0.3	µg/L	0.3 µg/L	3/29/2013	swd
Acetylene	<2	µg/L	2µg/L	3/29/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-8
Sampler	dj
Sample Date	3/28/13
Sample Time	8:55 AM
Sample Received	3/29/13
Method	Modified EPA 5021 A

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Dissolved Gasses					
Methane	455	µg/L	0.3 µg/L	3/29/2013	swd
Ethylene	8.4	µg/L	0.3 µg/L	3/29/2013	swd
Ethane	<0.3	µg/L	0.3 µg/L	3/29/2013	swd
Acetylene	<2	µg/L	2µg/L	3/29/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-9
Sampler	dj
Sample Date	3/28/13
Sample Time	10:30 AM
Sample Received	3/29/13
Method	Modified EPA 5021 A

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Dissolved Gasses					
Methane	439	µg/L	0.3 µg/L	3/29/2013	swd
Ethylene	0.7	µg/L	0.3 µg/L	3/29/2013	swd
Ethane	<0.3	µg/L	0.3 µg/L	3/29/2013	swd
Acetylene	<2	µg/L	2µg/L	3/29/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-10
Sampler	dj
Sample Date	3/28/13
Sample Time	9:45 AM
Sample Received	3/29/13
Method	Modified EPA 5021 A

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Dissolved Gasses					
Methane	23.3	µg/L	0.3 µg/L	3/29/2013	swd
Ethylene	<0.3	µg/L	0.3 µg/L	3/29/2013	swd
Ethane	<0.3	µg/L	0.3 µg/L	3/29/2013	swd
Acetylene	<2	µg/L	2µg/L	3/29/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-11
Sampler	dj
Sample Date	3/29/13
Sample Time	8:05 AM
Sample Received	3/29/13
Method	Modified EPA 5021 A

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Dissolved Gasses					
Methane	82.6	µg/L	0.3 µg/L	4/1/2013	swd
Ethylene	2.8	µg/L	0.3 µg/L	4/1/2013	swd
Ethane	0.3	µg/L	0.3 µg/L	4/1/2013	swd
Acetylene	<2	µg/L	2µg/L	4/1/2013	swd

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-12
Sampler	dj
Sample Date	3/28/13
Sample Time	11:50 AM
Sample Received	3/29/13
Method	Modified EPA 5021 A

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Dissolved Gasses					
Methane	75.8	µg/L	0.3 µg/L	3/29/2013	swd
Ethylene	2.8	µg/L	0.3 µg/L	3/29/2013	swd
Ethane	<0.3	µg/L	0.3 µg/L	3/29/2013	swd
Acetylene	<2	µg/L	2µg/L	3/29/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	Trip Blank
Sampler	na
Sample Date	na
Sample Time	na
Sample Received	3/29/13
Method	Modified EPA 5021 A

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Dissolved Gasses					
Methane	<0.3	µg/L	0.3 µg/L	3/29/2013	swd
Ethylene	<0.3	µg/L	0.3 µg/L	3/29/2013	swd
Ethane	<0.3	µg/L	0.3 µg/L	3/29/2013	swd
Acetylene	<2	µg/L	2µg/L	3/29/2013	swd

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-261 S
Sampler	dj
Sample Date	4/1/2013
Sample Time	8:35 AM
Sample Received	4/1/2013
Method	Modified EPA 300

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Anions					
Chloride	24	mg/L	1 mg/L	3/29/2013	swd
Nitrate	<1	mg/L	1 mg/L	3/29/2013	swd
Sulfate	<1	mg/L	1 mg/L	3/29/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-265 M
Sampler	dj
Sample Date	3/29/2013
Sample Time	11:30 AM
Sample Received	3/29/2013
Method	Modified EPA 300

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Anions					
Chloride	23	mg/L	1 mg/L	3/29/2013	swd
Nitrate	<1	mg/L	1 mg/L	3/29/2013	swd
Sulfate	<1	mg/L	1 mg/L	3/29/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-268 M
Sampler	dj
Sample Date	3/29/2013
Sample Time	8:35 AM
Sample Received	3/29/2013
Method	Modified EPA 300

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Anions					
Chloride	16	mg/L	1 mg/L	3/29/2013	swd
Nitrate	<1	mg/L	1 mg/L	3/29/2013	swd
Sulfate	33	mg/L	1 mg/L	3/29/2013	swd

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-552
Sampler	dj
Sample Date	3/29/2013
Sample Time	9:35 AM
Sample Received	3/29/2013
Method	Modified EPA 300

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Anions					
Chloride	9	mg/L	1 mg/L	3/29/2013	swd
Nitrate	<1	mg/L	1 mg/L	3/29/2013	swd
Sulfate	6	mg/L	1 mg/L	3/29/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-553
Sampler	dj
Sample Date	3/29/2013
Sample Time	10:40 AM
Sample Received	3/29/2013
Method	Modified EPA 300

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Anions					
Chloride	12	mg/L	1 mg/L	3/29/2013	swd
Nitrate	<1	mg/L	1 mg/L	3/29/2013	swd
Sulfate	<1	mg/L	1 mg/L	3/29/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-560
Sampler	dj
Sample Date	3/29/2013
Sample Time	10:55 AM
Sample Received	3/29/2013
Method	Modified EPA 300

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Anions					
Chloride	15	mg/L	1 mg/L	3/29/2013	swd
Nitrate	<1	mg/L	1 mg/L	3/29/2013	swd
Sulfate	16	mg/L	1 mg/L	3/29/2013	swd

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-561
Sampler	dj
Sample Date	3/29/2013
Sample Time	10:15 AM
Sample Received	3/29/2013
Method	Modified EPA 300

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Anions					
Chloride	53	mg/L	1 mg/L	3/29/2013	swd
Nitrate	<1	mg/L	1 mg/L	3/29/2013	swd
Sulfate	24	mg/L	1 mg/L	3/29/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-562
Sampler	dj
Sample Date	3/29/2013
Sample Time	12:30 PM
Sample Received	3/29/2013
Method	Modified EPA 300

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Anions					
Chloride	30	mg/L	1 mg/L	3/29/2013	swd
Nitrate	<1	mg/L	1 mg/L	3/29/2013	swd
Sulfate	<1	mg/L	1 mg/L	3/29/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-563
Sampler	dj
Sample Date	3/29/2013
Sample Time	9:35 AM
Sample Received	3/29/2013
Method	Modified EPA 300

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Anions					
Chloride	37	mg/L	1 mg/L	3/29/2013	swd
Nitrate	<1	mg/L	1 mg/L	3/29/2013	swd
Sulfate	<1	mg/L	1 mg/L	3/29/2013	swd

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-1
Sampler	dj
Sample Date	3/28/2013
Sample Time	12:25 PM
Sample Received	3/29/2013
Method	Modified EPA 300

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Anions					
Chloride	26	mg/L	1 mg/L	3/29/2013	swd
Nitrate	<1	mg/L	1 mg/L	3/29/2013	swd
Sulfate	1	mg/L	1 mg/L	3/29/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-4
Sampler	dj
Sample Date	3/28/2013
Sample Time	1:25 PM
Sample Received	3/29/2013
Method	Modified EPA 300

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Anions					
Chloride	15	mg/L	1 mg/L	3/29/2013	swd
Nitrate	<1	mg/L	1 mg/L	3/29/2013	swd
Sulfate	12	mg/L	1 mg/L	3/29/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-5
Sampler	dj
Sample Date	3/28/2013
Sample Time	2:00 PM
Sample Received	3/29/2013
Method	Modified EPA 300

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Anions					
Chloride	35	mg/L	1 mg/L	3/29/2013	swd
Nitrate	<1	mg/L	1 mg/L	3/29/2013	swd
Sulfate	14	mg/L	1 mg/L	3/29/2013	swd

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-6
Sampler	dj
Sample Date	3/29/2013
Sample Time	7:35 AM
Sample Received	3/29/2013
Method	Modified EPA 300

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Anions					
Chloride	33	mg/L	1 mg/L	3/29/2013	swd
Nitrate	<1	mg/L	1 mg/L	3/29/2013	swd
Sulfate	44	mg/L	1 mg/L	3/29/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-7
Sampler	dj
Sample Date	4/1/2013
Sample Time	3:55 PM
Sample Received	4/1/2013
Method	Modified EPA 300

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Anions					
Chloride	18	mg/L	1 mg/L	3/29/2013	swd
Nitrate	<1	mg/L	1 mg/L	3/29/2013	swd
Sulfate	23	mg/L	1 mg/L	3/29/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-8
Sampler	dj
Sample Date	3/28/2013
Sample Time	8:55 AM
Sample Received	3/29/2013
Method	Modified EPA 300

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Anions					
Chloride	27	mg/L	1 mg/L	3/29/2013	swd
Nitrate	<1	mg/L	1 mg/L	3/29/2013	swd
Sulfate	32	mg/L	1 mg/L	3/29/2013	swd

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-9
Sampler	dj
Sample Date	3/28/2013
Sample Time	10:30 AM
Sample Received	3/29/2013
Method	Modified EPA 300

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Anions					
Chloride	38	mg/L	1 mg/L	3/29/2013	swd
Nitrate	<1	mg/L	1 mg/L	3/29/2013	swd
Sulfate	29	mg/L	1 mg/L	3/29/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-10
Sampler	dj
Sample Date	3/28/2013
Sample Time	9:45 AM
Sample Received	3/29/2013
Method	Modified EPA 300

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Anions					
Chloride	66	mg/L	1 mg/L	3/29/2013	swd
Nitrate	<1	mg/L	1 mg/L	3/29/2013	swd
Sulfate	37	mg/L	1 mg/L	3/29/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-11
Sampler	dj
Sample Date	3/29/2013
Sample Time	8:05 AM
Sample Received	3/29/2013
Method	Modified EPA 300

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Anions					
Chloride	19	mg/L	1 mg/L	3/29/2013	swd
Nitrate	<1	mg/L	1 mg/L	3/29/2013	swd
Sulfate	34	mg/L	1 mg/L	3/29/2013	swd

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA

Sample ID	REW-12
Sampler	dj
Sample Date	3/28/2013
Sample Time	11:50 AM
Sample Received	3/29/2013

Method Modified EPA 300

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Anions					
Chloride	28	mg/L	1 mg/L	3/29/2013	swd
Nitrate	<1	mg/L	1 mg/L	3/29/2013	swd
Sulfate	51	mg/L	1 mg/L	3/29/2013	swd

Project Identification:	Raytheon, Wayland, MA

Sample ID	Trip Blank
Sampler	na
Sample Date	na
Sample Time	na
Sample Received	3/29/2013

Method Modified EPA 300

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Anions					
Chloride	<1	mg/L	1 mg/L	3/29/2013	swd
Nitrate	<1	mg/L	1 mg/L	3/29/2013	swd
Sulfate	<1	mg/L	1 mg/L	3/29/2013	swd

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-261 S
Sampler	dj
Sample Date	4/1/2013
Sample Time	8:35 AM
Sample Received	4/1/2013
Method	HPLC / Organic Acid Method

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Organic Acids					
Lactate	<1	mg/L	1 mg/L	3/29/2013	swd
Acetate	175	mg/L	1 mg/L	3/29/2013	swd
Propionate	<1	mg/L	1 mg/L	3/29/2013	swd
Butyrate	6	mg/L	1 mg/L	3/29/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-265 M
Sampler	dj
Sample Date	3/29/13
Sample Time	11:30 AM
Sample Received	3/29/13
Method	HPLC / Organic Acid Method

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Organic Acids					
Lactate	<1	mg/L	1 mg/L	3/29/2013	swd
Acetate	361	mg/L	1 mg/L	3/29/2013	swd
Propionate	<1	mg/L	1 mg/L	3/29/2013	swd
Butyrate	7	mg/L	1 mg/L	3/29/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-268 M
Sampler	dj
Sample Date	3/29/13
Sample Time	8:35 AM
Sample Received	3/29/13
Method	HPLC / Organic Acid Method

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Organic Acids					
Lactate	<1	mg/L	1 mg/L	3/29/2013	swd
Acetate	<1	mg/L	1 mg/L	3/29/2013	swd
Propionate	<1	mg/L	1 mg/L	3/29/2013	swd
Butyrate	<1	mg/L	1 mg/L	3/29/2013	swd

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-552
Sampler	dj
Sample Date	3/29/13
Sample Time	9:35 AM
Sample Received	3/29/13

Method HPLC / Organic Acid Method

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Organic Acids					
Lactate	<1	mg/L	1 mg/L	3/29/2013	swd
Acetate	51	mg/L	1 mg/L	3/29/2013	swd
Propionate	<1	mg/L	1 mg/L	3/29/2013	swd
Butyrate	<1	mg/L	1 mg/L	3/29/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-553
Sampler	dj
Sample Date	3/29/13
Sample Time	10:40 AM
Sample Received	3/29/13

Method HPLC / Organic Acid Method

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Organic Acids					
Lactate	<1	mg/L	1 mg/L	3/29/2013	swd
Acetate	252	mg/L	1 mg/L	3/29/2013	swd
Propionate	<1	mg/L	1 mg/L	3/29/2013	swd
Butyrate	3	mg/L	1 mg/L	3/29/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-560
Sampler	dj
Sample Date	3/29/13
Sample Time	10:55 AM
Sample Received	3/29/13

Method HPLC / Organic Acid Method

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Organic Acids					
Lactate	<1	mg/L	1 mg/L	3/29/2013	swd
Acetate	17	mg/L	1 mg/L	3/29/2013	swd
Propionate	<1	mg/L	1 mg/L	3/29/2013	swd
Butyrate	<1	mg/L	1 mg/L	3/29/2013	swd

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-561
Sampler	dj
Sample Date	3/29/13
Sample Time	10:15 AM
Sample Received	3/29/13

Method HPLC / Organic Acid Method

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Organic Acids					
Lactate	<1	mg/L	1 mg/L	3/29/2013	swd
Acetate	<1	mg/L	1 mg/L	3/29/2013	swd
Propionate	<1	mg/L	1 mg/L	3/29/2013	swd
Butyrate	2	mg/L	1 mg/L	3/29/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-562
Sampler	dj
Sample Date	3/29/13
Sample Time	12:30 PM
Sample Received	3/29/13

Method HPLC / Organic Acid Method

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Organic Acids					
Lactate	<1	mg/L	1 mg/L	3/29/2013	swd
Acetate	351	mg/L	1 mg/L	3/29/2013	swd
Propionate	<1	mg/L	1 mg/L	3/29/2013	swd
Butyrate	5	mg/L	1 mg/L	3/29/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-563
Sampler	dj
Sample Date	3/29/13
Sample Time	9:35:00 AM
Sample Received	3/29/13

Method HPLC / Organic Acid Method

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Organic Acids					
Lactate	<1	mg/L	1 mg/L	3/29/2013	swd
Acetate	290	mg/L	1 mg/L	3/29/2013	swd
Propionate	<1	mg/L	1 mg/L	3/29/2013	swd
Butyrate	6	mg/L	1 mg/L	3/29/2013	swd

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-1
Sampler	dj
Sample Date	3/28/13
Sample Time	12:25 PM
Sample Received	3/29/13
Method	HPLC / Organic Acid Method

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Organic Acids					
Lactate	<1	mg/L	1 mg/L	3/29/2013	swd
Acetate	506	mg/L	1 mg/L	3/29/2013	swd
Propionate	5	mg/L	1 mg/L	3/29/2013	swd
Butyrate	21	mg/L	1 mg/L	3/29/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-4
Sampler	dj
Sample Date	3/28/13
Sample Time	1:25 PM
Sample Received	3/29/13
Method	HPLC / Organic Acid Method

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Organic Acids					
Lactate	<1	mg/L	1 mg/L	3/29/2013	swd
Acetate	203	mg/L	1 mg/L	3/29/2013	swd
Propionate	4	mg/L	1 mg/L	3/29/2013	swd
Butyrate	6	mg/L	1 mg/L	3/29/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-5
Sampler	dj
Sample Date	3/28/13
Sample Time	2:00 PM
Sample Received	3/29/13
Method	HPLC / Organic Acid Method

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Organic Acids					
Lactate	<1	mg/L	1 mg/L	3/29/2013	swd
Acetate	138	mg/L	1 mg/L	3/29/2013	swd
Propionate	<1	mg/L	1 mg/L	3/29/2013	swd
Butyrate	4	mg/L	1 mg/L	3/29/2013	swd

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-6
Sampler	dj
Sample Date	3/29/13
Sample Time	7:35 AM
Sample Received	3/29/13

Method HPLC / Organic Acid Method

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Organic Acids					
Lactate	<1	mg/L	1 mg/L	3/29/2013	swd
Acetate	<1	mg/L	1 mg/L	3/29/2013	swd
Propionate	<1	mg/L	1 mg/L	3/29/2013	swd
Butyrate	3	mg/L	1 mg/L	3/29/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-7
Sampler	dj
Sample Date	4/1/13
Sample Time	3:55 PM
Sample Received	4/1/13

Method HPLC / Organic Acid Method

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Organic Acids					
Lactate	<1	mg/L	1 mg/L	3/29/2013	swd
Acetate	5	mg/L	1 mg/L	3/29/2013	swd
Propionate	<1	mg/L	1 mg/L	3/29/2013	swd
Butyrate	<1	mg/L	1 mg/L	3/29/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-8
Sampler	dj
Sample Date	3/28/13
Sample Time	8:55 AM
Sample Received	3/29/13

Method HPLC / Organic Acid Method

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Organic Acids					
Lactate	<1	mg/L	1 mg/L	3/29/2013	swd
Acetate	29	mg/L	1 mg/L	3/29/2013	swd
Propionate	<1	mg/L	1 mg/L	3/29/2013	swd
Butyrate	3	mg/L	1 mg/L	3/29/2013	swd

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-9
Sampler	dj
Sample Date	3/28/13
Sample Time	10:30 AM
Sample Received	3/29/13

Method HPLC / Organic Acid Method

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Organic Acids					
Lactate	<1	mg/L	1 mg/L	3/29/2013	swd
Acetate	50	mg/L	1 mg/L	3/29/2013	swd
Propionate	<1	mg/L	1 mg/L	3/29/2013	swd
Butyrate	<1	mg/L	1 mg/L	3/29/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-10
Sampler	dj
Sample Date	3/28/13
Sample Time	9:45 AM
Sample Received	3/29/13

Method HPLC / Organic Acid Method

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Organic Acids					
Lactate	<1	mg/L	1 mg/L	3/29/2013	swd
Acetate	<1	mg/L	1 mg/L	3/29/2013	swd
Propionate	<1	mg/L	1 mg/L	3/29/2013	swd
Butyrate	<1	mg/L	1 mg/L	3/29/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-11
Sampler	dj
Sample Date	3/29/13
Sample Time	8:05 AM
Sample Received	3/29/13

Method HPLC / Organic Acid Method

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Organic Acids					
Lactate	<1	mg/L	1 mg/L	3/29/2013	swd
Acetate	5	mg/L	1 mg/L	3/29/2013	swd
Propionate	<1	mg/L	1 mg/L	3/29/2013	swd
Butyrate	3	mg/L	1 mg/L	3/29/2013	swd

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-12
Sampler	dj
Sample Date	3/28/13
Sample Time	11:50 AM
Sample Received	3/29/13

Method HPLC / Organic Acid Method

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Organic Acids					
Lactate	<1	mg/L	1 mg/L	3/29/2013	swd
Acetate	5	mg/L	1 mg/L	3/29/2013	swd
Propionate	<1	mg/L	1 mg/L	3/29/2013	swd
Butyrate	<1	mg/L	1 mg/L	3/29/2013	swd

Project Identification:	Raytheon, Wayland, MA
Sample ID	Trip Blank
Sampler	na
Sample Date	na
Sample Time	na
Sample Received	3/29/13

Method HPLC / Organic Acid Method

Compound	Test Value	Units	Detection Limit	Analysis Date	Tech
Organic Acids					
Lactate	<1	mg/L	1 mg/L	3/29/2013	swd
Acetate	<1	mg/L	1 mg/L	3/29/2013	swd
Propionate	<1	mg/L	1 mg/L	3/29/2013	swd
Butyrate	<1	mg/L	1 mg/L	3/29/2013	swd

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA

Sample ID MW-261 S

Sampler dj
Sample Date 4/1/2013
Sample Time 8:35 AM
Sample Received 4/1/2013

Chemical Tests	**Test Value**	**Units**	**Method**	**Detection Limit**	**Analysis Date**	**Tech**
Alkalinity	400	mg/L	HACH 8203	5 mg/L	4/1/2013	rdr
Manganese	na	mg/L	HACH 8034	0.12 mg/L	na	na
NH_3-N	0.19	mg/L	HACH 8155	0.02 mg/L	4/1/2013	rdr
PO_4	1.54	mg/L	HACH 8048	0.05 mg/L	4/1/2013	rdr
Sulfide	na	mg/L	HACH 8131	0.01 mg/L	na	na
Total Iron	74.5	mg/L	HACH 8008	0.03 mg/L	4/2/2013	rdr
COD	na	mg/L	HACH 8000	<2 mg/L	na	na
TOC	110	mg/L	EPA 9060A	<0.3 mg/L	4/2/2013	swd
pH	6.78	pH units	pH probe	<0.01 pH units	4/1/2013	rdr

Project Identification:	Raytheon, Wayland, MA

Sample ID MW-265 M

Sampler dj
Sample Date 3/29/2013
Sample Time 11:30 AM
Sample Received 3/29/2013

Chemical Tests	**Test Value**	**Units**	**Method**	**Detection Limit**	**Analysis Date**	**Tech**
Alkalinity	610	mg/L	HACH 8203	5 mg/L	3/29/2013	rdr
Manganese	na	mg/L	HACH 8034	0.12 mg/L	na	na
NH_3-N	0.14	mg/L	HACH 8155	0.02 mg/L	4/1/2013	rdr
PO_4	0.80	mg/L	HACH 8048	0.05 mg/L	4/1/2013	rdr
Sulfide	na	mg/L	HACH 8131	0.01 mg/L	na	na
Total Iron	55.6	mg/L	HACH 8008	0.03 mg/L	4/2/2013	rdr
COD	na	mg/L	HACH 8000	<2 mg/L	na	na
TOC	225	mg/L	EPA 9060A	<0.3 mg/L	4/1/2013	swd
pH	7.03	pH units	pH probe	<0.01 pH units	3/29/2013	rdr

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-268 M
Sampler	dj
Sample Date	3/29/2013
Sample Time	8:35 AM
Sample Received	3/29/2013

Chemical Tests	Test Value	Units	Method	Detection Limit	Analysis Date	Tech
Alkalinity	120	mg/L	HACH 8203	5 mg/L	3/29/2013	rdr
Manganese	na	mg/L	HACH 8034	0.12 mg/L	na	na
NH_3-N	0.05	mg/L	HACH 8155	0.02 mg/L	4/1/2013	rdr
PO_4	0.29	mg/L	HACH 8048	0.05 mg/L	4/1/2013	rdr
Sulfide	na	mg/L	HACH 8131	0.01 mg/L	na	na
Total Iron	20.8	mg/L	HACH 8008	0.03 mg/L	4/2/2013	rdr
COD	na	mg/L	HACH 8000	<2 mg/L	na	na
TOC	1.8	mg/L	EPA 9060A	<0.3 mg/L	4/1/2013	swd
pH	6.94	pH units	pH probe	<0.01 pH units	3/29/2013	rdr

Project Identification:	Raytheon, Wayland, MA
Sample ID	MW-552
Sampler	dj
Sample Date	3/29/2013
Sample Time	9:35 AM
Sample Received	3/29/2013

Chemical Tests	Test Value	Units	Method	Detection Limit	Analysis Date	Tech
Alkalinity	300	mg/L	HACH 8203	5 mg/L	3/29/2013	rdr
Manganese	na	mg/L	HACH 8034	0.12 mg/L	na	na
NH_3-N	0.15	mg/L	HACH 8155	0.02 mg/L	4/1/2013	rdr
PO_4	0.23	mg/L	HACH 8048	0.05 mg/L	4/1/2013	rdr
Sulfide	na	mg/L	HACH 8131	0.01 mg/L	na	na
Total Iron	20.7	mg/L	HACH 8008	0.03 mg/L	4/2/2013	rdr
COD	na	mg/L	HACH 8000	<2 mg/L	na	na
TOC	27.6	mg/L	EPA 9060A	<0.3 mg/L	4/1/2013	swd
pH	6.82	pH units	pH probe	<0.01 pH units	3/29/2013	rdr

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA

Sample ID MW-553

Sampler dj
Sample Date 3/29/2013
Sample Time 10:40 AM
Sample Received 3/29/2013

Chemical Tests	Test Value	Units	Method	Detection Limit	Analysis Date	Tech
Alkalinity	550	mg/L	HACH 8203	5 mg/L	3/29/2013	rdr
Manganese	na	mg/L	HACH 8034	0.12 mg/L	na	na
NH_3-N	0.04	mg/L	HACH 8155	0.02 mg/L	4/1/2013	rdr
PO_4	0.56	mg/L	HACH 8048	0.05 mg/L	4/1/2013	rdr
Sulfide	na	mg/L	HACH 8131	0.01 mg/L	na	na
Total Iron	124	mg/L	HACH 8008	0.03 mg/L	4/2/2013	rdr
COD	na	mg/L	HACH 8000	<2 mg/L	na	na
TOC	300	mg/L	EPA 9060A	<0.3 mg/L	4/1/2013	swd
pH	6.93	pH units	pH probe	<0.01 pH units	3/29/2013	rdr

Project Identification:	Raytheon, Wayland, MA

Sample ID MW-560

Sampler dj
Sample Date 3/29/2013
Sample Time 10:55 AM
Sample Received 3/29/2013

Chemical Tests	Test Value	Units	Method	Detection Limit	Analysis Date	Tech
Alkalinity	100	mg/L	HACH 8203	5 mg/L	3/29/2013	rdr
Manganese	na	mg/L	HACH 8034	0.12 mg/L	na	na
NH_3-N	0.69	mg/L	HACH 8155	0.02 mg/L	4/1/2013	rdr
PO_4	<0.05	mg/L	HACH 8048	0.05 mg/L	4/1/2013	rdr
Sulfide	na	mg/L	HACH 8131	0.01 mg/L	na	na
Total Iron	0.16	mg/L	HACH 8008	0.03 mg/L	4/2/2013	rdr
COD	na	mg/L	HACH 8000	<2 mg/L	na	na
TOC	52.6	mg/L	EPA 9060A	<0.3 mg/L	4/1/2013	swd
pH	10.74	pH units	pH probe	<0.01 pH units	3/29/2013	rdr

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA

Sample ID MW-561

Sampler dj
Sample Date 3/29/2013
Sample Time 10:15 AM
Sample Received 3/29/2013

Chemical Tests	Test Value	Units	Method	Detection Limit	Analysis Date	Tech
Alkalinity	160	mg/L	HACH 8203	5 mg/L	3/29/2013	rdr
Manganese	na	mg/L	HACH 8034	0.12 mg/L	na	na
NH_3-N	0.03	mg/L	HACH 8155	0.02 mg/L	4/1/2013	rdr
PO_4	<0.05	mg/L	HACH 8048	0.05 mg/L	4/1/2013	rdr
Sulfide	na	mg/L	HACH 8131	0.01 mg/L	na	na
Total Iron	11.9	mg/L	HACH 8008	0.03 mg/L	4/2/2013	rdr
COD	na	mg/L	HACH 8000	<2 mg/L	na	na
TOC	2.7	mg/L	EPA 9060A	<0.3 mg/L	4/1/2013	swd
pH	7.22	pH units	pH probe	<0.01 pH units	3/29/2013	rdr

Project Identification:	Raytheon, Wayland, MA

Sample ID MW-562

Sampler dj
Sample Date 3/29/2013
Sample Time 12:30 PM
Sample Received 3/29/2013

Chemical Tests	Test Value	Units	Method	Detection Limit	Analysis Date	Tech
Alkalinity	580	mg/L	HACH 8203	5 mg/L	3/29/2013	rdr
Manganese	na	mg/L	HACH 8034	0.12 mg/L	na	na
NH_3-N	2.00	mg/L	HACH 8155	0.02 mg/L	4/1/2013	rdr
PO_4	1.33	mg/L	HACH 8048	0.05 mg/L	4/1/2013	rdr
Sulfide	na	mg/L	HACH 8131	0.01 mg/L	na	na
Total Iron	127	mg/L	HACH 8008	0.03 mg/L	4/2/2013	rdr
COD	na	mg/L	HACH 8000	<2 mg/L	na	na
TOC	175	mg/L	EPA 9060A	<0.3 mg/L	4/1/2013	swd
pH	6.86	pH units	pH probe	<0.01 pH units	3/29/2013	rdr

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA

Sample ID MW-563

Sampler dj
Sample Date 3/29/2013
Sample Time 9:35 AM
Sample Received 3/29/2013

Chemical Tests	Test Value	Units	Method	Detection Limit	Analysis Date	Tech
Alkalinity	280	mg/L	HACH 8203	5 mg/L	3/29/2013	rdr
Manganese	na	mg/L	HACH 8034	0.12 mg/L	na	na
NH_3-N	0.11	mg/L	HACH 8155	0.02 mg/L	4/1/2013	rdr
PO_4	0.29	mg/L	HACH 8048	0.05 mg/L	4/1/2013	rdr
Sulfide	na	mg/L	HACH 8131	0.01 mg/L	na	na
Total Iron	65.5	mg/L	HACH 8008	0.03 mg/L	4/2/2013	rdr
COD	na	mg/L	HACH 8000	<2 mg/L	na	na
TOC	296	mg/L	EPA 9060A	<0.3 mg/L	4/1/2013	swd
pH	6.61	pH units	pH probe	<0.01 pH units	3/29/2013	rdr

Project Identification:	Raytheon, Wayland, MA

Sample ID REW-1

Sampler dj
Sample Date 3/28/2013
Sample Time 12:25 PM
Sample Received 3/29/2013

Chemical Tests	Test Value	Units	Method	Detection Limit	Analysis Date	Tech
Alkalinity	780	mg/L	HACH 8203	5 mg/L	3/29/2013	rdr
Manganese	na	mg/L	HACH 8034	0.12 mg/L	na	na
NH_3-N	3.00	mg/L	HACH 8155	0.02 mg/L	3/29/2013	rdr
PO_4	1.41	mg/L	HACH 8048	0.05 mg/L	3/29/2013	rdr
Sulfide	na	mg/L	HACH 8131	0.01 mg/L	na	na
Total Iron	112	mg/L	HACH 8008	0.03 mg/L	4/2/2013	rdr
COD	na	mg/L	HACH 8000	<2 mg/L	na	na
TOC	461	mg/L	EPA 9060A	<0.3 mg/L	4/1/2013	swd
pH	6.68	pH units	pH probe	<0.01 pH units	3/29/2013	rdr

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA

Sample ID REW-4

Sampler dj
Sample Date 3/28/2013
Sample Time 1:25 PM
Sample Received 3/29/2013

Chemical Tests	Test Value	Units	Method	Detection Limit	Analysis Date	Tech
Alkalinity	280	mg/L	HACH 8203	5 mg/L	3/29/2013	rdr
Manganese	na	mg/L	HACH 8034	0.12 mg/L	na	na
NH_3-N	0.41	mg/L	HACH 8155	0.02 mg/L	3/29/2013	rdr
PO_4	0.12	mg/L	HACH 8048	0.05 mg/L	3/29/2013	rdr
Sulfide	na	mg/L	HACH 8131	0.01 mg/L	na	na
Total Iron	26.7	mg/L	HACH 8008	0.03 mg/L	4/2/2013	rdr
COD	na	mg/L	HACH 8000	<2 mg/L	na	na
TOC	260	mg/L	EPA 9060A	<0.3 mg/L	4/1/2013	swd
pH	6.72	pH units	pH probe	<0.01 pH units	3/29/2013	rdr

Project Identification:	Raytheon, Wayland, MA

Sample ID REW-5

Sampler dj
Sample Date 3/28/2013
Sample Time 2:00 PM
Sample Received 3/29/2013

Chemical Tests	Test Value	Units	Method	Detection Limit	Analysis Date	Tech
Alkalinity	300	mg/L	HACH 8203	5 mg/L	3/29/2013	rdr
Manganese	na	mg/L	HACH 8034	0.12 mg/L	na	na
NH_3-N	0.87	mg/L	HACH 8155	0.02 mg/L	3/29/2013	rdr
PO_4	0.52	mg/L	HACH 8048	0.05 mg/L	3/29/2013	rdr
Sulfide	na	mg/L	HACH 8131	0.01 mg/L	na	na
Total Iron	30.7	mg/L	HACH 8008	0.03 mg/L	4/2/2013	rdr
COD	na	mg/L	HACH 8000	<2 mg/L	na	na
TOC	113	mg/L	EPA 9060A	<0.3 mg/L	4/1/2013	swd
pH	6.63	pH units	pH probe	<0.01 pH units	3/29/2013	rdr

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA

Sample ID REW-6

Sampler dj
Sample Date 3/29/2013
Sample Time 7:35 AM
Sample Received 3/29/2013

Chemical Tests	Test Value	Units	Method	Detection Limit	Analysis Date	Tech
Alkalinity	120	mg/L	HACH 8203	5 mg/L	3/29/2013	rdr
Manganese	na	mg/L	HACH 8034	0.12 mg/L	na	na
NH_3-N	0.03	mg/L	HACH 8155	0.02 mg/L	4/1/2013	rdr
PO_4	0.38	mg/L	HACH 8048	0.05 mg/L	4/1/2013	rdr
Sulfide	na	mg/L	HACH 8131	0.01 mg/L	na	na
Total Iron	16.2	mg/L	HACH 8008	0.03 mg/L	4/2/2013	rdr
COD	na	mg/L	HACH 8000	<2 mg/L	na	na
TOC	2.6	mg/L	EPA 9060A	<0.3 mg/L	4/1/2013	swd
pH	6.82	pH units	pH probe	<0.01 pH units	3/29/2013	rdr

Project Identification:	Raytheon, Wayland, MA

Sample ID REW-7

Sampler dj
Sample Date 4/1/2013
Sample Time 3:55 PM
Sample Received 4/1/2013

Chemical Tests	Test Value	Units	Method	Detection Limit	Analysis Date	Tech
Alkalinity	120	mg/L	HACH 8203	5 mg/L	4/1/2013	rdr
Manganese	na	mg/L	HACH 8034	0.12 mg/L	na	na
NH_3-N	0.07	mg/L	HACH 8155	0.02 mg/L	4/1/2013	rdr
PO_4	0.09	mg/L	HACH 8048	0.05 mg/L	4/1/2013	rdr
Sulfide	na	mg/L	HACH 8131	0.01 mg/L	na	na
Total Iron	17.2	mg/L	HACH 8008	0.03 mg/L	4/2/2013	rdr
COD	na	mg/L	HACH 8000	<2 mg/L	na	na
TOC	4.7	mg/L	EPA 9060A	<0.3 mg/L	4/2/2013	swd
pH	6.64	pH units	pH probe	<0.01 pH units	4/1/2013	rdr

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-8
Sampler	dj
Sample Date	3/28/2013
Sample Time	8:55 AM
Sample Received	3/29/2013

Chemical Tests	Test Value	Units	Method	Detection Limit	Analysis Date	Tech
Alkalinity	120	mg/L	HACH 8203	5 mg/L	3/29/2013	rdr
Manganese	na	mg/L	HACH 8034	0.12 mg/L	na	na
NH_3-N	0.06	mg/L	HACH 8155	0.02 mg/L	3/29/2013	rdr
PO_4	0.19	mg/L	HACH 8048	0.05 mg/L	3/29/2013	rdr
Sulfide	na	mg/L	HACH 8131	0.01 mg/L	na	na
Total Iron	16.0	mg/L	HACH 8008	0.03 mg/L	4/2/2013	rdr
COD	na	mg/L	HACH 8000	<2 mg/L	na	na
TOC	26.5	mg/L	EPA 9060A	<0.3 mg/L	4/1/2013	swd
pH	6.65	pH units	pH probe	<0.01 pH units	3/29/2013	rdr

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-9
Sampler	dj
Sample Date	3/28/2013
Sample Time	10:30 AM
Sample Received	3/29/2013

Chemical Tests	Test Value	Units	Method	Detection Limit	Analysis Date	Tech
Alkalinity	160	mg/L	HACH 8203	5 mg/L	3/29/2013	rdr
Manganese	na	mg/L	HACH 8034	0.12 mg/L	na	na
NH_3-N	0.04	mg/L	HACH 8155	0.02 mg/L	3/29/2013	rdr
PO_4	0.20	mg/L	HACH 8048	0.05 mg/L	3/29/2013	rdr
Sulfide	na	mg/L	HACH 8131	0.01 mg/L	na	na
Total Iron	12.2	mg/L	HACH 8008	0.03 mg/L	4/2/2013	rdr
COD	na	mg/L	HACH 8000	<2 mg/L	na	na
TOC	48.2	mg/L	EPA 9060A	<0.3 mg/L	4/1/2013	swd
pH	6.59	pH units	pH probe	<0.01 pH units	3/29/2013	rdr

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-10
Sampler	dj
Sample Date	3/28/2013
Sample Time	9:45 AM
Sample Received	3/29/2013

Chemical Tests	Test Value	Units	Method	Detection Limit	Analysis Date	Tech
Alkalinity	100	mg/L	HACH 8203	5 mg/L	3/29/2013	rdr
Manganese	na	mg/L	HACH 8034	0.12 mg/L	na	na
NH_3-N	0.05	mg/L	HACH 8155	0.02 mg/L	3/29/2013	rdr
PO_4	0.05	mg/L	HACH 8048	0.05 mg/L	3/29/2013	rdr
Sulfide	na	mg/L	HACH 8131	0.01 mg/L	na	na
Total Iron	1.36	mg/L	HACH 8008	0.03 mg/L	4/2/2013	rdr
COD	na	mg/L	HACH 8000	<2 mg/L	na	na
TOC	2.5	mg/L	EPA 9060A	<0.3 mg/L	4/1/2013	swd
pH	7.14	pH units	pH probe	<0.01 pH units	3/29/2013	rdr

Project Identification:	Raytheon, Wayland, MA
Sample ID	REW-11
Sampler	dj
Sample Date	3/29/2013
Sample Time	8:05 AM
Sample Received	3/29/2013

Chemical Tests	Test Value	Units	Method	Detection Limit	Analysis Date	Tech
Alkalinity	120	mg/L	HACH 8203	5 mg/L	3/29/2013	rdr
Manganese	na	mg/L	HACH 8034	0.12 mg/L	na	na
NH_3-N	0.15	mg/L	HACH 8155	0.02 mg/L	4/1/2013	rdr
PO_4	0.29	mg/L	HACH 8048	0.05 mg/L	4/1/2013	rdr
Sulfide	na	mg/L	HACH 8131	0.01 mg/L	na	na
Total Iron	17.9	mg/L	HACH 8008	0.03 mg/L	4/2/2013	rdr
COD	na	mg/L	HACH 8000	<2 mg/L	na	na
TOC	3.1	mg/L	EPA 9060A	<0.3 mg/L	4/1/2013	swd
pH	6.83	pH units	pH probe	<0.01 pH units	3/29/2013	rdr

Bioremediation & Treatability Center

Project Identification:	Raytheon, Wayland, MA

Sample ID REW-12

Sampler dj
Sample Date 3/28/2013
Sample Time 11:50 AM
Sample Received 3/29/2013

Chemical Tests	Test Value	Units	Method	Detection Limit	Analysis Date	Tech
Alkalinity	100	mg/L	HACH 8203	5 mg/L	3/29/2013	rdr
Manganese	na	mg/L	HACH 8034	0.12 mg/L	na	na
NH_3-N	0.07	mg/L	HACH 8155	0.02 mg/L	3/29/2013	rdr
PO_4	0.22	mg/L	HACH 8048	0.05 mg/L	3/29/2013	rdr
Sulfide	na	mg/L	HACH 8131	0.01 mg/L	na	na
Total Iron	20.0	mg/L	HACH 8008	0.03 mg/L	4/2/2013	rdr
COD	na	mg/L	HACH 8000	<2 mg/L	na	na
TOC	7.9	mg/L	EPA 9060A	<0.3 mg/L	4/1/2013	swd
pH	6.72	pH units	pH probe	<0.01 pH units	3/29/2013	rdr

Project Identification:	Raytheon, Wayland, MA

Sample ID Trip Blank

Sampler na
Sample Date na
Sample Time na
Sample Received 3/29/2013

Chemical Tests	Test Value	Units	Method	Detection Limit	Analysis Date	Tech
Alkalinity	10	mg/L	HACH 8203	5 mg/L	3/29/2013	rdr
Manganese	na	mg/L	HACH 8034	0.12 mg/L	na	na
NH_3-N	<0.02	mg/L	HACH 8155	0.02 mg/L	4/1/2013	rdr
PO_4	<0.05	mg/L	HACH 8048	0.05 mg/L	4/1/2013	rdr
Sulfide	na	mg/L	HACH 8131	0.01 mg/L	na	na
Total Iron	<0.03	mg/L	HACH 8008	0.03 mg/L	4/2/2013	rdr
COD	na	mg/L	HACH 8000	<2 mg/L	na	na
TOC	<0.3	mg/L	EPA 9060A	<0.3 mg/L	4/1/2013	swd
pH	7.68	pH units	pH probe	<0.01 pH units	3/29/2013	rdr

Project	Raytheon, Wayland, MA					
Date Received	4/1/13	3/29/13	3/29/13	3/29/13	3/29/13	3/29/13
Sample ID	MW-261 S	MW-265 M	MW-268 M	MW-552	MW-553	MW-560
Date Sampled	4/1/13	3/29/13	3/29/13	3/29/13	3/29/13	3/29/13

Dissolved Gasses							
Date Analyzed		4/1/13	3/29/13	4/1/13	4/1/13	4/1/13	4/1/13
Sample ID	Units	MW-261 S	MW-265 M	MW-268 M	MW-552	MW-553	MW-560
Methane	µg/L	21890	36553	29.0	12420	24936	167
Ethylene	µg/L	28.2	20.3	4.3	20.4	18.2	1.7
Ethane	µg/L	<0.3	<0.3	5.9	<0.3	<0.3	<0.3
Acetylene	µg/L	<2	<2	<2	<2	<2	<2

Anions							
Date Analyzed		3/29/13	3/29/13	3/29/13	3/29/13	3/29/13	3/29/13
Sample ID	Units	MW-261 S	MW-265 M	MW-268 M	MW-552	MW-553	MW-560
Chloride	mg/L	24	23	16	9	12	15
Nitrate	mg/L	<1	<1	<1	<1	<1	<1
Sulfate	mg/L	<1	<1	33	6	<1	16
Organic Acids							
Date Analyzed		3/29/13	3/29/13	3/29/13	3/29/13	3/29/13	3/29/13
Lactate	mg/L	<1	<1	<1	<1	<1	<1
Acetate	mg/L	175	361	<1	51	252	17
Propionate	mg/L	<1	<1	<1	<1	<1	<1
Butyrate	mg/L	6	7	<1	<1	3	<1

Chemistries							
Date Analyzed	3/29/13-4/2/13						
Sample ID	Units	MW-261 S	MW-265 M	MW-268 M	MW-552	MW-553	MW-560
Alkalinity	mg/L	400	610	120	300	550	100
Manganese	mg/L	na	na	na	na	na	na
NH_3-N	mg/L	0.19	0.14	0.05	0.15	0.04	0.69
PO_4	mg/L	1.54	0.80	0.29	0.23	0.56	<0.05
Sulfide	mg/L	na	na	na	na	na	na
Total Iron	mg/L	74.5	55.6	20.8	20.7	124	0.16
COD	mg/L	na	na	na	na	na	na
TOC	mg/L	110	225	1.8	27.6	300	52.6
pH	pH units	6.78	7.03	6.94	6.82	6.93	10.74

H2/CO2 by TCD analysis							
Date Analyzed		na	na	na	na	na	na
Sample ID	Units	MW-261 S	MW-265 M	MW-268 M	MW-552	MW-553	MW-560
H2	µM	na	na	na	na	na	na
CO2	mg/L	na	na	na	na	na	na

Project	Raytheon, Wayland, MA						
Date Received		3/29/13	3/29/13	3/29/13	3/29/13	3/29/13	3/29/13
Sample ID		MW-561	MW-562	MW-563	REW-1	REW-4	REW-5
Date Sampled		3/29/13	3/29/13	3/29/13	3/28/13	3/28/13	3/28/13

Dissolved Gasses							
Date Analyzed		4/1/13	4/1/13	4/1/13	3/29/13	3/29/13	3/29/13
Sample ID	Units	MW-561	MW-562	MW-563	REW-1	REW-4	REW-5
Methane	µg/L	1544	35530	1906	29995	13144	10338
Ethylene	µg/L	96.1	18.3	10.7	42.9	7.8	11.3
Ethane	µg/L	<0.3	21.1	<0.3	27.4	<0.3	8.3
Acetylene	µg/L	<2	<2	<2	<2	<2	<2

Anions							
Date Analyzed		3/29/13	3/29/13	3/29/13	3/29/13	3/29/13	3/29/13
Sample ID	Units	MW-561	MW-562	MW-563	REW-1	REW-4	REW-5
Chloride	mg/L	53	30	37	26	15	35
Nitrate	mg/L	<1	<1	<1	<1	<1	<1
Sulfate	mg/L	24	<1	<1	1	12	14
Organic Acids							
Date Analyzed		3/29/13	3/29/13	3/29/13	3/29/13	3/29/13	3/29/13
Lactate	mg/L	<1	<1	<1	<1	<1	<1
Acetate	mg/L	<1	351	290	506	203	138
Propionate	mg/L	<1	<1	<1	5	4	<1
Butyrate	mg/L	2	5	6	21	6	4

Chemistries							
Date Analyzed	3/29/13-4/2/13						
Sample ID	Units	MW-561	MW-562	MW-563	REW-1	REW-4	REW-5
Alkalinity	mg/L	160	580	280	780	280	300
Manganese	mg/L	na	na	na	na	na	na
NH_3-N	mg/L	0.03	2.00	0.11	3.00	0.41	0.87
PO_4	mg/L	<0.05	1.33	0.29	1.41	0.12	0.52
Sulfide	mg/L	na	na	na	na	na	na
Total Iron	mg/L	11.9	127	65.5	112	26.7	30.7
COD	mg/L	na	na	na	na	na	na
TOC	mg/L	2.7	175	296	461	260	113
pH	pH units	7.22	6.86	6.61	6.68	6.72	6.63

H2/CO2 by TCD analysis							
Date Analyzed		na	na	na	na	na	na
Sample ID	Units	MW-561	MW-562	MW-563	REW-1	REW-4	REW-5
H_2	µM	na	na	na	na	na	na
CO_2	mg/L	na	na	na	na	na	na

Project	Raytheon, Wayland, MA					
Date Received	3/29/13	4/1/13	3/29/13	3/29/13	3/29/13	3/29/13
Sample ID	REW-6	REW-7	REW-8	REW-9	REW-10	REW-11
Date Sampled	3/29/13	4/1/13	3/28/13	3/28/13	3/28/13	3/29/13

Dissolved Gasses							
Date Analyzed		4/1/13	4/1/13	3/29/13	3/29/13	3/29/13	4/1/13
Sample ID	Units	REW-6	REW-7	REW-8	REW-9	REW-10	REW-11
Methane	µg/L	169	309	455	439	23.3	82.6
Ethylene	µg/L	0.8	11.4	8.4	0.7	<0.3	2.8
Ethane	µg/L	0.4	<0.3	<0.3	<0.3	<0.3	0.3
Acetylene	µg/L	<2	<2	<2	<2	<2	<2

Anions							
Date Analyzed		3/29/13	3/29/13	3/29/13	3/29/13	3/29/13	3/29/13
Sample ID	Units	REW-6	REW-7	REW-8	REW-9	REW-10	REW-11
Chloride	mg/L	33	18	27	38	66	19
Nitrate	mg/L	<1	<1	<1	<1	<1	<1
Sulfate	mg/L	44	23	32	29	37	34
Organic Acids							
Date Analyzed		3/29/13	3/29/13	3/29/13	3/29/13	3/29/13	3/29/13
Lactate	mg/L	<1	<1	<1	<1	<1	<1
Acetate	mg/L	<1	5	29	50	<1	5
Propionate	mg/L	<1	<1	<1	<1	<1	<1
Butyrate	mg/L	3	<1	3	<1	<1	3

Chemistries							
Date Analyzed	3/29/13-4/2/13						
Sample ID	Units	REW-6	REW-7	REW-8	REW-9	REW-10	REW-11
Alkalinity	mg/L	120	120	120	160	100	120
Manganese	mg/L	na	na	na	na	na	na
NH_3-N	mg/L	0.03	0.07	0.06	0.04	0.05	0.15
PO_4	mg/L	0.38	0.09	0.19	0.20	0.05	0.29
Sulfide	mg/L	na	na	na	na	na	na
Total Iron	mg/L	16.2	17.2	16.0	12.2	1.36	17.9
COD	mg/L	na	na	na	na	na	na
TOC	mg/L	2.6	4.7	26.5	48.2	2.5	3.1
pH	pH units	6.82	6.64	6.65	6.59	7.14	6.83

H2/CO2 by TCD analysis							
Date Analyzed		na	na	na	na	na	na
Sample ID	Units	REW-6	REW-7	REW-8	REW-9	REW-10	REW-11
H_2	µM	na	na	na	na	na	na
CO_2	mg/L	na	na	na	na	na	na

Project	Raytheon, Wayland, MA		
Date Received		3/29/13	3/29/13
Sample ID		REW-12	Trip Blank
Date Sampled		3/28/13	na

Dissolved Gasses			
Date Analyzed		3/29/13	3/29/13
Sample ID	Units	REW-12	Trip Blank
Methane	µg/L	75.8	<0.3
Ethylene	µg/L	2.8	<0.3
Ethane	µg/L	<0.3	<0.3
Acetylene	µg/L	<2	<2

Anions			
Date Analyzed		3/29/13	3/29/13
Sample ID	Units	REW-12	Trip Blank
Chloride	mg/L	28	<1
Nitrate	mg/L	<1	<1
Sulfate	mg/L	51	<1
Organic Acids			
Date Analyzed		3/29/13	3/29/13
Lactate	mg/L	<1	<1
Acetate	mg/L	5	<1
Propionate	mg/L	<1	<1
Butyrate	mg/L	<1	<1

Chemistries			
Date Analyzed	3/29/13-4/2/13		
Sample ID	Units	REW-12	Trip Blank
Alkalinity	mg/L	100	10
Manganese	mg/L	na	na
NH_3-N	mg/L	0.07	<0.02
PO_4	mg/L	0.22	<0.05
Sulfide	mg/L	na	na
Total Iron	mg/L	20.0	<0.03
COD	mg/L	na	na
TOC	mg/L	7.9	<0.3
pH	pH units	6.72	7.68

H2/CO2 by TCD analysis			
Date Analyzed		na	na
Sample ID	Units	REW-12	Trip Blank
H_2	µM	na	na
CO_2	mg/L	na	na

TESTING METHODS

Ion Analysis

Inorganic anions were analyzed on a Metrohm 761 IC system according to modified EPA Method 300. Organic acids were analyzed by HPLC method with an organic acid column for lactate, acetate, propionate, and butyrate. A sample to be analyzed for anions is diluted with ultra pure water as necessary to obtain the analytes in the working range of the method, and is placed into the instrument, where the sample is introduced by an automated sampling device. All samples were placed sequentially in the auto sampler and the samples were injected sequentially into the ion-exchange column. Flows from the column were directed to a conductivity detector and the peak responses were processed for quantification. Identification of analytes is based on retention times for individual analytes, and quantification is based on analysis of prepared standards.

Gas Chromatography

Dissolved gasses were analyzed according to modified EPA Method 5021A. 10ml of the sample is transferred from the 40 ml VOA vials to a 20 ml sampling vial for a 1 to 1, headspace to liquid ratio. The headspace sample is analyzed by a HP 7694 Headspace Sampler, injected to a HP 5890 gas chromatograph. Gasses were detected by PID detector and followed by Flame Ionization Detector. Standards were prepared and analyzed in the same manner as samples.

Total Organic Carbon Analyzer

Organic carbon is measured according to a modified EPA Method 9060A using a Shimadzu TOC-5050A carbonaceous analyzer. This instrument converts the organic carbon in a sample to carbon dioxide (CO_2) by catalytic combustion. The CO_2 formed is then measured directly by and infrared detector. The amount of CO_2 in a sample is directly proportional to the concentration of carbonaceous material in the sample.

HACH Colorimeter

Chemical Tests for, Iron (Total), Manganese, Nitrogen (Ammonia), Phosphorous (Orthophosphate), and Sulfide are analyzed with a DR/ 890 Colorimeter. Alkalinity is analyzed with a HACH Alkalinity Digital Titrator. VOA vials for the analysis of these chemical tests have no preservative. The methods used are EPA approved and are as follows:

Alkalinity	Hach Titration
Ammonia Nitrogen	Hach 8155
COD	Hach 8000
Manganese	Hach 8034
Orthophosphate Phosphorous	Hach 8048
Sulfide	Hach 8131
Total Iron	Hach 8008

pH

The pH of samples is determined using a Corning 313 ATC electrode.

CHAIN OF CUSTODY RECORD

B T C **Bioremediation Treatability Center** • 25 Spring Street • Walpole, MA 02081-4301 • phone (508) 668-0191 • fax (508) 668-5175

Project Name & Project Number	RA-008
Project Manager	Vicki Pappigan
Company / Address	Innovative Engineering Solutions Inc
	25 Spring St Walpole MA 02081
Phone #	508-668-0033 Fax # 508-668-5175
Sampler's Signature	
Sampler's Printed Name	Dany Jones

Client Sample ID	Sampling Date	Sampling Time	No. of Sample Bottles per Well	Alkalinity	Ammonia	Anions (Cl^-, NO_3^-, SO_4^-)	Biotank	Bromide	COD	Dissolved Gas	H2 / CO2	Organic Acid	Orthophosphate	pH	Sulfide	TOC	Total Iron	Total Manganese	VOC Screen	
REW-1-20130328-01	3/28/13	1225	6	X	X	X				X		X	X	X		X	X			
REW-4-20130328-01	3/28/13	1325	6	X	X	X				X		X	X	X		X	X			
REW-5-20130328-01	3/28/13	1400	6	X	X	X				X		X	X	X		X	X			
REW-7-20130328-01	3/28/13	1105	6	X	X	X				X		X	X	X		X	X			
REW-8-20130328-01	3/28/13	0855	6	X	X	X				X		X	X	X		X	X			
REW-9-20130328-01	3/28/13	1030	6	X	X	X				X		X	X	X		X	X			
REW-10-20130328-01	3/28/13	0945	6	X	X	X				X		X	X	X		X	X			
REW-12-20130328-01	3/28/13	1150	6	X	X	X				X		X	X	X		X	X			

Special Instructions / Comments

Relinquished By	Received By	Relinquished By	Received By
	Susan Davis		
Printed Name: Dany Jones	Printed Name: Susan Davis	Printed Name	Printed Name
Firm: IESI	Firm: BTC	Firm	Firm
Date/Time: 3/29/13 0520	Date/Time: 3/29/13 630	Date/Time	Date/Time

CHAIN OF CUSTODY RECORD

B T C **Bioremediation Treatability Center** • 25 Spring Street • Walpole, MA 02081-4301 • phone (508) 668-0191 • fax (508) 668-5175

Project Name & Project Number: RA-008

Project Manager: Vicki Paulsen

Company / Address: Innovative Engineering Solutions Inc

25 Spring St Walpole MA 02081

Phone #: 508-668-0033 Fax #: 508-668-5175

Sampler's Signature: [signature] [signature]

Sampler's Printed Name: Dany Jones Gareth Hirsch

Client Sample ID	Sampling Date	Sampling Time	No. of Sample Bottles per Well	Alkalinity	Ammonia	Anions (Cl^-, NO_3^-, SO_4^-)	Biotank	Bromide	COD	Dissolved Gas	H2 / CO2	Organic Acid	Orthophosphate	pH	Sulfide	TOC	Total Iron	Total Manganese	VOC Screen	
mw-365M-20130329-01	3/29/13	1130	6	X	X	X				X		X	X	X		X	X	X		
mw-368M-20130329-01	3/29/13	0835	6	X	X	X				X		X	X	X		X	X	X		
mw-532-20130329-01	3/29/13	0935	6	X	X	X				X		X	X	X		X	X	X		
mw-533-20130329-01	3/29/13	1040	6	X	X	X				X		X	X	X		X	X	X		
mw-360-20130329-01	3/29/13	1055	6	X	X	X				X		X	X	X		X	X	X		
mw-361-20130329-01	3/29/13	1015	6	X	X	X				X		X	X	X		X	X	X		
mw-362-20130329-01	3/29/13	1230	6	X	X	X				X		X	X	X		X	X	X		
mw-363-20130329-01	3/29/13	0935	6	X	X	X				X		X	X	X		X	X	X		
RW-6-20130329-01	3/29/13	0735	6	X	X	X				X		X	X	X		X	X	X		
RW-11-20130329-01	3/29/13	0805	6	X	X	X				X		X	X	X		X	X	X		
Trip Blanks	—	—	4																	

Special Instructions / Comments

Relinquished By	Received By	Relinquished By	Received By
Printed Name: Dany Jones	Printed Name: CHRIS VORLICEK	Printed Name: CHRIS VORLICEK	Printed Name: Susan Davis
Firm: TESI	Firm: TESI	Firm: TESI	Firm: BTC
Date/Time: 3/29/13 1245	Date/Time: 3/29/2013 1245	Date/Time: 3/29/2013 1346	Date/Time: 3/29/13 1346

CHAIN OF CUSTODY RECORD

B T C **Bioremediation Treatability Center** • 25 Spring Street • Walpole, MA 02081-4301 • phone (508) 668-0191 • fax (508) 668-5175

Project Name & Project Number: RA-008

Project Manager: Vicki Pooley

Company / Address: Innovative Engineering Solutions Inc

25 Spring St Walpole MA 02081

Phone #: 508-668-0033 Fax #: 508-668-5175

Sampler's Signature:

Sampler's Printed Name: Daisy Soto

Client Sample ID	Sampling Date	Sampling Time	No. of Sample Bottles per Well	Alkalinity	Ammonia	Anions (Cl^-, NO_3^-, SO_4)	Biotank	Bromide	COD	Dissolved Gas	H2 / CO2	Organic Acid	Orthophosphate	pH	Sulfide	TOC	Total Iron	Total Manganese	VOC Screen	
MW-26B-20130401-01	4/1/13	0825	6	X	X	X				X		X	X	X		X	X			
REG-7-20130401-01	4/1/13	0955	6	X	X	X				X		X	X	X		X	X			

Special Instructions / Comments

Relinquished By	Received By	Relinquished By	Received By
Printed Name: Daisy Soto	Printed Name: Susan Davis	Printed Name	Printed Name
Firm: IESI	Firm: BTC	Firm	Firm
Date/Time: 4/1/13 1430	Date/Time: 4/1/13 2:30	Date/Time	Date/Time