

**Environmental  
Resources  
Management**

One Beacon Street, 5<sup>th</sup> Floor  
Boston, MA 02108  
+1 617 646 7800  
+1 617 267 6447 (fax)

<http://www.erm.com>



15 April 2013

Mr. Robert Schelmerdeine  
Wayland Meadows Development Inc.  
2 Washington Street  
Foxboro, MA 02035

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

Dear Mr. Schelmerdeine:

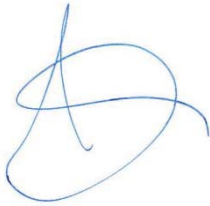
On behalf of Raytheon Company (Raytheon), Environmental Resources Management (ERM) is submitting the results of groundwater sample analyses related to the Former Raytheon Facility located at 430 Boston Post Road in Wayland, Massachusetts (Site). These results are submitted pursuant to 310 CMR 40.1403(10)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

Innovative Engineering Solutions, Inc. collected groundwater samples from two wells (MW-263M and MW-264M) within the boundaries of your property on 1 April 2013. The sample was submitted to TestAmerica Laboratories, Inc. of Westfield, Massachusetts. Analytical results are attached to this letter. These analytical data will be provided to the Massachusetts Department of Environmental Protection in the next required MCP submittal.

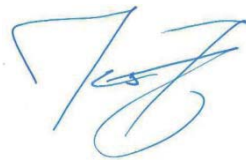
Raytheon has implemented the Public Involvement Process in accordance with 310 CMR 40.1405. Documents pertaining to the Site can be found at the Board of Health, the Wayland Public Library Public Involvement Plan files, or at [www.ermne.com](http://www.ermne.com) (username = raytheon, password = wayland).

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,

A handwritten signature in blue ink, appearing to be 'JD' with a large loop.

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

A handwritten signature in blue ink, appearing to be 'JDF' with a large loop.

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: Wayland Meadows Limited Partnership  
2. Street Address: 145 Rosemary Street  
City/Town: Needham Zip Code: 02494

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

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

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

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

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

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

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

- residential    commercial    industrial    school/playground    Other \_\_\_\_\_  
(specify)

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

Collection of groundwater samples from existing monitoring wells.

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

Contact Name: Louis J. Burkhardt  
Street Address: 880 Technology Park Drive, 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: 480-35387-1  
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](mailto:becky.mason@testamericainc.com)

**NOTE: Only samples MW-263M and MW-264M were collected from the Wayland Meadows Property. Other samples have been grayed out for ease of review.**

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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## Definitions/Glossary

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)

# Case Narrative

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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),



# Case Narrative

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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.

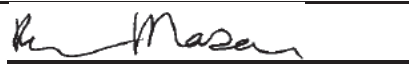
The continuing calibration verification (CCV) for Carbon tetrachloride, Chloroethane, 4-Chlorotoluene, 1,2-Dichloroethane, 1,1,1-Trichloroethane, and 2,2-Dichloropropane associated with batch 111112 recovered above the MCP upper control limit. MCP protocol allows for 20% of the target compounds to be 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: <b>TestAmerica Buffalo</b>		Project #: <b>480-35387-1</b>			
Project Location: <b>IDS Wayland</b>		RTN:			
<b>This form provides certifications for the following data set: list Laboratory Sample ID Number(s):</b> <b>480-35381-1[1-36]</b>					
Matrices: <input checked="" type="checkbox"/> Groundwater/Surface Water <input type="checkbox"/> Soil/Sediment <input type="checkbox"/> Drinking Water <input type="checkbox"/> Air <input type="checkbox"/> Other:					
<b>CAM Protocols (check all that apply below):</b>					
8260 VOC CAM II A <input checked="" type="checkbox"/>	7470/7471 Hg CAM III B <input type="checkbox"/>	Mass DEP VPH CAM IV A <input type="checkbox"/>	8081 Pesticides CAM V B <input type="checkbox"/>	7196 Hex Cr CAM VI B <input type="checkbox"/>	Mass DEP APH CAM IX A <input type="checkbox"/>
8270 SVOC CAM II B <input type="checkbox"/>	6010 Metals CAM III C <input type="checkbox"/>	Mass DEP EPH CAM IV B <input type="checkbox"/>	8151 Herbicides CAM V C <input type="checkbox"/>	8330 Explosives CAM VIII A <input type="checkbox"/>	TO-15 VOC CAM IX B <input type="checkbox"/>
6010 Metals CAM III A <input type="checkbox"/>	6020 Metals CAM III D <input type="checkbox"/>	8082 PCB CAM V A <input type="checkbox"/>	9014 Total Cyanide/PAC CAM VI A <input type="checkbox"/>	6860 Perchlorate CAM VIII B <input type="checkbox"/>	
<b>Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status</b>					
<b>A</b>	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.				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>B</b>	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>C</b>	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>D</b>	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"?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>E</b>	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?				<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>F</b>	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)?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Responses to Questions G, H and I below are required for "Presumptive Certainty" status</b>					
<b>G</b>	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>
<b>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</b>					
<b>H</b>	Were all QC performance standards specified in the CAM protocol(s) achieved?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>
<b>I</b>	Were results reported for the complete analyte list specified in the selected CAM protocol(s) ?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<sup>1</sup> All negative responses must be addressed in an attached laboratory narrative.					
<b>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.</b>					
Signature: <u></u>		Position: <u>Project Manager</u>			
Printed Name: <u>Becky Mason</u>		Date: <u>4/9/13 11:44</u>			
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.

TestAmerica Buffalo

# Detection Summary

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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.

TestAmerica Buffalo

# Detection Summary

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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.

TestAmerica Buffalo

# Detection Summary

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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.

TestAmerica Buffalo

# Detection Summary

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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.

TestAmerica Buffalo

# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
 Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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
1,1,1,2,2-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

TestAmerica Buffalo



# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
 Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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) (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**

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)**

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
1,1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			04/04/13 13:01	1
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

TestAmerica Buffalo

# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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
<b>cis-1,2-Dichloroethene</b>	<b>4.8</b>		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

TestAmerica Buffalo

# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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
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
<b>Trichloroethene</b>	<b>1.2</b>		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

Date Collected: 04/01/13 08:35

Date Received: 04/02/13 01:40

## Lab Sample ID: 480-35387-3

Matrix: Water

### 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

TestAmerica Buffalo

# Client Sample Results

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)**

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
<b>Acetone</b>	<b>52000</b>		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
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Toluene-d8 (Surr)	95		70 - 130					04/04/13 13:25	200

TestAmerica Buffalo

# Client Sample Results

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

TestAmerica Buffalo

# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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

TestAmerica Buffalo

# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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
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
<b>cis-1,2-Dichloroethene</b>	<b>6.2</b>		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

TestAmerica Buffalo

# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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
<b>Tetrachloroethene</b>	<b>1.5</b>		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
<b>Trichloroethene</b>	<b>8.6</b>		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
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
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

TestAmerica Buffalo



# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
 Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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) (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

TestAmerica Buffalo

# Client Sample Results

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

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

Date Collected: 03/29/13 11:30

Date Received: 04/02/13 01:40

## Lab Sample ID: 480-35387-7

Matrix: Water

### 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
1,1,1,2,2-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
<b>2-Butanone (MEK)</b>	<b>110</b>		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

TestAmerica Buffalo

# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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
<b>cis-1,2-Dichloroethene</b>	<b>32</b>		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
<b>Vinyl chloride</b>	<b>26</b>		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
<b>Acetone</b>	<b>7500</b>		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

TestAmerica Buffalo

# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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) - 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

Date Collected: 04/01/13 11:35

Date Received: 04/02/13 01:40

## Lab Sample ID: 480-35387-8

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			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

TestAmerica Buffalo

# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**Client Sample ID: MW-265D-2013 0401-01**

Date Collected: 04/01/13 11:35

Date Received: 04/02/13 01:40

**Lab Sample ID: 480-35387-8**

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		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**

Date Collected: 03/29/13 14:05

Date Received: 04/02/13 01:40

**Lab Sample ID: 480-35387-9**

Matrix: Water

**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

TestAmerica Buffalo

# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
 Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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)**

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
1,1,1,2,2-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
<b>cis-1,2-Dichloroethene</b>	<b>9.1</b>		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

TestAmerica Buffalo

# Client Sample Results

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) (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
<b>Trichloroethene</b>	<b>27</b>		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

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)

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
1,1,1,2-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-Dichloroethane	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

TestAmerica Buffalo

# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
 Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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
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
<b>cis-1,2-Dichloroethene</b>	<b>80</b>		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
<b>Tetrachloroethene</b>	<b>13</b>		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

TestAmerica Buffalo



# Client Sample Results

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
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
<b>Trichloroethene</b>	<b>53</b>		1.0		ug/L			04/05/13 01:21	1
Trichlorofluoromethane	ND		1.0		ug/L			04/05/13 01:21	1
<b>Vinyl chloride</b>	<b>7.5</b>		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

Date Collected: 03/29/13 14:50

Date Received: 04/02/13 01:40

## Lab Sample ID: 480-35387-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>1,4-Dioxane</b>	<b>7.4</b>		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

TestAmerica Buffalo

# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
 Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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: 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
<b>cis-1,2-Dichloroethene</b>	<b>72</b>		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
<b>Tetrachloroethene</b>	<b>7.6</b>		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
<b>Trichloroethene</b>	<b>370</b>		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

TestAmerica Buffalo

# Client Sample Results

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)

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

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)

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

TestAmerica Buffalo

# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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) (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
<b>Tetrachloroethene</b>	<b>14</b>		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
<b>Trichloroethene</b>	<b>350</b>		5.0		ug/L			04/04/13 16:58	5
Trichlorofluoromethane	ND		5.0		ug/L			04/04/13 16:58	5
<b>Vinyl chloride</b>	<b>20</b>		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	<b>590</b>		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

TestAmerica Buffalo

# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
 Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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: 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
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
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

TestAmerica Buffalo

# Client Sample Results

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: 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
<b>Tetrachloroethene</b>	<b>42</b>		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
<b>Trichloroethene</b>	<b>1100</b>		25		ug/L			04/05/13 02:32	25
Trichlorofluoromethane	ND		25		ug/L			04/05/13 02:32	25
<b>Vinyl chloride</b>	<b>91</b>		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**

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)**

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

TestAmerica Buffalo

# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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
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
<b>cis-1,2-Dichloroethene</b>	<b>9.3</b>		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

TestAmerica Buffalo

# Client Sample Results

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
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
<b>Trichloroethene</b>	<b>6.3</b>		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

Date Collected: 03/29/13 12:03

Date Received: 04/02/13 01:40

## Lab Sample ID: 480-35387-15

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>1,4-Dioxane</b>	<b>2.0</b>		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

TestAmerica Buffalo



# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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
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
<b>cis-1,2-Dichloroethene</b>	<b>2.2</b>		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

TestAmerica Buffalo

# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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
<b>Trichloroethene</b>	<b>1.0</b>		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

TestAmerica Buffalo

# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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) (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
<b>cis-1,2-Dichloroethene</b>	<b>240</b>		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
<b>Vinyl chloride</b>	<b>130</b>		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
<b>Acetone</b>	<b>130000</b>		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

TestAmerica Buffalo

# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
 Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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) - 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

Date Collected: 03/29/13 09:35

Date Received: 04/02/13 01:40

## Lab Sample ID: 480-35387-17

Matrix: Water

### 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						
Dibromofluoromethane (Surr)	104		50 - 150						
TBA-d9 (Surr)	152	X	50 - 150						

### 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

TestAmerica Buffalo

# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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
<b>cis-1,2-Dichloroethene</b>	<b>320</b>		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
<b>Trichloroethene</b>	<b>39</b>		8.0		ug/L			04/05/13 03:20	8
Trichlorofluoromethane	ND		8.0		ug/L			04/05/13 03:20	8
<b>Vinyl chloride</b>	<b>260</b>		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

TestAmerica Buffalo

# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
 Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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
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

TestAmerica Buffalo

# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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
1,1,1,2,2-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

TestAmerica Buffalo

# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
 Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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
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
<b>cis-1,2-Dichloroethene</b>	<b>16</b>		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

TestAmerica Buffalo



# Client Sample Results

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
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
<b>Trichloroethene</b>	<b>3.3</b>		1.0		ug/L			04/04/13 19:45	1
Trichlorofluoromethane	ND		1.0		ug/L			04/04/13 19:45	1
<b>Vinyl chloride</b>	<b>1.4</b>		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**

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)**

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

TestAmerica Buffalo

# Client Sample Results

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)**

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
<b>cis-1,2-Dichloroethene</b>	<b>220</b>		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
<b>trans-1,2-Dichloroethene</b>	<b>20</b>		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
<b>Trichloroethene</b>	<b>96</b>		5.0		ug/L			04/05/13 13:03	5
Trichlorofluoromethane	ND		5.0		ug/L			04/05/13 13:03	5
<b>Vinyl chloride</b>	<b>310</b>		5.0		ug/L			04/05/13 13:03	5
Dibromomethane	ND		5.0		ug/L			04/05/13 13:03	5
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
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

TestAmerica Buffalo

# Client Sample Results

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)

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

Date Collected: 03/29/13 12:30

Date Received: 04/02/13 01:40

## Lab Sample ID: 480-35387-21

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		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
<b>2-Butanone (MEK)</b>	<b>540</b>		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
<b>Acetone</b>	<b>930</b>		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

TestAmerica Buffalo

# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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

TestAmerica Buffalo

# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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
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
<b>cis-1,2-Dichloroethene</b>	<b>420</b>		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

TestAmerica Buffalo

# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
 Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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
<b>Vinyl chloride</b>	<b>91</b>		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

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# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
 Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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)**

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
<b>Acetone</b>	<b>24000</b>		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
<b>cis-1,2-Dichloroethene</b>	<b>81</b>		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

TestAmerica Buffalo

# Client Sample Results

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)

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

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)

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
<b>2-Butanone (MEK)</b>	<b>81</b>		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
<b>cis-1,2-Dichloroethene</b>	<b>41</b>		5.0		ug/L			04/05/13 05:42	5

TestAmerica Buffalo



# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
 Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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) (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
<b>Vinyl chloride</b>	<b>31</b>		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

TestAmerica Buffalo

# Client Sample Results

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
<b>Acetone</b>	<b>4800</b>		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
<b>cis-1,2-Dichloroethene</b>	<b>290</b>		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

TestAmerica Buffalo

# Client Sample Results

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) (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
<b>Trichloroethene</b>	<b>93</b>		10		ug/L			04/05/13 06:06	10
Trichlorofluoromethane	ND		10		ug/L			04/05/13 06:06	10
<b>Vinyl chloride</b>	<b>44</b>		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

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)

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
1,1,1,2,2-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

TestAmerica Buffalo

# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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
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
<b>cis-1,2-Dichloroethene</b>	<b>420</b>		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
<b>Tetrachloroethene</b>	<b>18</b>		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

TestAmerica Buffalo

# Client Sample Results

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
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
<b>Trichloroethene</b>	<b>510</b>		10		ug/L			04/05/13 06:30	10
Trichlorofluoromethane	ND		10		ug/L			04/05/13 06:30	10
<b>Vinyl chloride</b>	<b>17</b>		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

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)

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

TestAmerica Buffalo

# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
 Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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) (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
<b>cis-1,2-Dichloroethene</b>	<b>920</b>		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
<b>Trichloroethene</b>	<b>300</b>		10		ug/L			04/05/13 06:53	10
Trichlorofluoromethane	ND		10		ug/L			04/05/13 06:53	10
<b>Vinyl chloride</b>	<b>130</b>		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

TestAmerica Buffalo

# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
 Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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)**

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
<b>cis-1,2-Dichloroethene</b>	<b>410</b>		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

TestAmerica Buffalo

# Client Sample Results

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) (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
<b>Trichloroethene</b>	<b>300</b>		10		ug/L			04/05/13 07:17	10
Trichlorofluoromethane	ND		10		ug/L			04/05/13 07:17	10
<b>Vinyl chloride</b>	<b>72</b>		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**

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)**

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
1,1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			04/05/13 14:15	1
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

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# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
 Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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
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
<b>cis-1,2-Dichloroethene</b>	<b>34</b>		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

TestAmerica Buffalo

# Client Sample Results

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
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
<b>Trichloroethene</b>	<b>7.9</b>		1.0		ug/L			04/05/13 14:15	1
Trichlorofluoromethane	ND		1.0		ug/L			04/05/13 14:15	1
<b>Vinyl chloride</b>	<b>4.2</b>		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

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)

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

TestAmerica Buffalo

# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
 Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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) (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
<b>cis-1,2-Dichloroethene</b>	<b>10</b>		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
<b>Trichloroethene</b>	<b>3.5</b>		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
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
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

TestAmerica Buffalo

# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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)**

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
<b>1,1-Dichloroethane</b>	<b>4.8</b>		1.0		ug/L			04/05/13 15:03	1
<b>1,1-Dichloroethene</b>	<b>2.1</b>		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
<b>1,2,4-Trimethylbenzene</b>	<b>1.1</b>		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
<b>Benzene</b>	<b>1.4</b>		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

TestAmerica Buffalo

# Client Sample Results

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) (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
<b>o-Xylene</b>	<b>1.7</b>		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
<b>Tetrachloroethene</b>	<b>22</b>		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
<b>trans-1,2-Dichloroethene</b>	<b>2.7</b>		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
<b>Vinyl chloride</b>	<b>45</b>		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
<b>cis-1,2-Dichloroethene</b>	<b>1400</b>		25		ug/L			04/06/13 00:14	25
<b>Trichloroethene</b>	<b>410</b>		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

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)

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
<b>1,1-Dichloroethane</b>	<b>1.3</b>		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

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# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
 Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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
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

TestAmerica Buffalo

# Client Sample Results

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
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
<b>Tetrachloroethene</b>	<b>10</b>		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
<b>trans-1,2-Dichloroethene</b>	<b>1.0</b>		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
<b>Vinyl chloride</b>	<b>23</b>		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
<b>cis-1,2-Dichloroethene</b>	<b>280</b>		4.0		ug/L			04/06/13 00:38	4
<b>Trichloroethene</b>	<b>180</b>		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

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)

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-Dichloroethane	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

TestAmerica Buffalo

# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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
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
<b>cis-1,2-Dichloroethene</b>	<b>390</b>		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

TestAmerica Buffalo



# Client Sample Results

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
<u>trans-1,2-Dichloroethene</u>	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
<u>Trichloroethene</u>	280		5.0		ug/L			04/06/13 01:02	5
Trichlorofluoromethane	ND		5.0		ug/L			04/06/13 01:02	5
<u>Vinyl chloride</u>	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

Date Collected: 03/29/13 00:00

Date Received: 04/02/13 01:40

## Lab Sample ID: 480-35387-34

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<u>1,4-Dioxane</u>	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

TestAmerica Buffalo

# Client Sample Results

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)**

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
<b>cis-1,2-Dichloroethene</b>	<b>9.2</b>		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
<b>Trichloroethene</b>	<b>27</b>		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

TestAmerica Buffalo

# Client Sample Results

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

TestAmerica Buffalo

# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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

TestAmerica Buffalo

# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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: 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

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# Client Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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: 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

# Surrogate Summary

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)

Lab Sample ID	Client Sample ID	DBFM (50-150)	BA-d9 (Surr) (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)

Lab Sample ID	Client Sample ID	TOL (70-130)	12DCE (70-130)	BFB (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

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# Surrogate Summary

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

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

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		TOL (70-130)	12DCE (70-130)	BFB (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)



# QC Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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	%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	%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	%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

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# QC Sample Results

Client: Innovative Engineering Solutions, Inc  
 Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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

TestAmerica Buffalo

# QC Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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
1,1,1,2,2-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-Trichloropropene	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

TestAmerica Buffalo

# QC Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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

TestAmerica Buffalo

# QC Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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 LCS		Limits
	%Recovery	Qualifier	
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.		RPD	RPD Limit
							Limits	RPD		
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	
1,1,1,2-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	

TestAmerica Buffalo

# QC Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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		Limits
	%Recovery	Qualifier	
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		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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	

TestAmerica Buffalo

# QC Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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

TestAmerica Buffalo

# QC Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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

TestAmerica Buffalo



# QC Sample Results

Client: Innovative Engineering Solutions, Inc  
 Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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

TestAmerica Buffalo

# QC Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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
1,1,1,2,2-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

TestAmerica Buffalo

# QC Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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 LCSD		Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	94		70 - 130
1,2-Dichloroethane-d4 (Surr)	81		70 - 130
4-Bromofluorobenzene (Surr)	104		70 - 130

# QC Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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

TestAmerica Buffalo

# QC Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
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	MS	Limits
	%Recovery	Qualifier	
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	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier						
1,1,1,2-Tetrachloroethane	ND		625	578		ug/L		93	70 - 130	3	20
1,1,1,1-Trichloroethane	ND		625	484		ug/L		77	70 - 130	4	20
1,1,1,2-Tetrachloroethane	ND		625	557		ug/L		89	70 - 130	2	20
1,1,1,2-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

TestAmerica Buffalo

# QC Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		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

TestAmerica Buffalo

# QC Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
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	MSD	Limits
	%Recovery	Qualifier	
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	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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

TestAmerica Buffalo



# QC Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
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

TestAmerica Buffalo



# QC Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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

TestAmerica Buffalo

# QC Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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
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
1,1,1,2-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-Dichloroethane	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

TestAmerica Buffalo

# QC Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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	LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Added	Result	Qualifier				Limits		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

TestAmerica Buffalo

# QC Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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		Limits
	%Recovery	Qualifier	
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		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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	

TestAmerica Buffalo

# QC Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
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

TestAmerica Buffalo

# QC Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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

TestAmerica Buffalo

# QC Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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
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
1,1,1,2-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-Dichloroethane	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

TestAmerica Buffalo

# QC Sample Results

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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	LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Added	Result	Qualifier				Limits		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

TestAmerica Buffalo



# QC Sample Results

Client: Innovative Engineering Solutions, Inc  
 Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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	LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Added	Result	Qualifier				Limits		
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	LCSD	Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	94		70 - 130
1,2-Dichloroethane-d4 (Surr)	79		70 - 130
4-Bromofluorobenzene (Surr)	109		70 - 130

# QC Association Summary

Client: Innovative Engineering Solutions, Inc  
 Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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	

TestAmerica Buffalo

# QC Association Summary

Client: Innovative Engineering Solutions, Inc  
 Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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	

# Lab Chronicle

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

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

TestAmerica Buffalo

# Lab Chronicle

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

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

# Lab Chronicle

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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

TestAmerica Buffalo

# Lab Chronicle

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

**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

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

# Lab Chronicle

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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



# Lab Chronicle

Client: Innovative Engineering Solutions, Inc  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-35387-1

## 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

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 00:20

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		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

TestAmerica Buffalo

# 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

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# 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

**TestAmerica**

THE LEADER IN ENVIRONMENTAL TESTING

**Chain of Custody Record**

<b>Client Information</b>		Client Contact: <i>Vicki Pennington</i>		Lab PM: <i>Don Jones</i>		Carrier Tracking No(s):		COC No: <b>22866</b>	
Company: <i>Innovative Engineering Solutions Inc</i>		Phone: <i>508-678-0033</i>		E-Mail: <i>Don Jones</i>		Job #:		Page: <b>1 of 4</b>	
Address: <i>925 Spring St</i>		City: <i>Worcester</i>		State, Zip: <i>MA 02091</i>		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 - Na2S2O3 H - Ascorbic Acid S - H2SO4 I - Ice Z - other (specify)	
Quote #: <i>RA-008</i>		PO #: <i>RA-008</i>		WO #: <i>RA-008</i>		SSOW#: <i>MA</i>		Regulatory programs: <input checked="" type="checkbox"/> GW1/S1 <input type="checkbox"/> MCP <input type="checkbox"/> RCP <input type="checkbox"/> CT RSR <input checked="" type="checkbox"/> DEP Form <input checked="" type="checkbox"/> EDD Required	
Project Name/number: <i>RA-008</i>		Site: <i>Worcester, MA</i>		Due Date Requested: <i>4/11/13</i>		TAT Requested (days):		Total Number of containers	
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=wastewater, BT=tissue, A=air)	
<i>DEF-100-20130401-01</i>		<i>4/11/13</i>		<i>1340</i>		<i>C</i>		<i>W</i>	
<i>DEF-21-20130401-01</i>		<i>4/11/13</i>		<i>1300</i>		<i>C</i>		<i>W</i>	
<i>MW-2617-20130401</i>		<i>4/11/13</i>		<i>0835</i>		<i>C</i>		<i>W</i>	
<i>MW-263M-20130401</i>		<i>4/11/13</i>		<i>1055</i>		<i>C</i>		<i>W</i>	
<i>MW-261M-20130401</i>		<i>4/11/13</i>		<i>1030</i>		<i>C</i>		<i>W</i>	
<i>MW-2637-20130401</i>		<i>4/11/13</i>		<i>1030</i>		<i>C</i>		<i>W</i>	
<i>MW-265M-20130329-01</i>		<i>3/29/13</i>		<i>1130</i>		<i>C</i>		<i>W</i>	
<i>MW-265D-20130401-01</i>		<i>4/11/13</i>		<i>1135</i>		<i>C</i>		<i>W</i>	
<i>MW-264M-20130329-01</i>		<i>3/29/13</i>		<i>1405</i>		<i>C</i>		<i>W</i>	
<i>MW-266M-20130401-01</i>		<i>4/11/13</i>		<i>1325</i>		<i>C</i>		<i>W</i>	
Possible Hazard Identification		Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological <input type="checkbox"/>		Deliverable Requested I, II, III, IV, Other (specify)		Return To Client <input type="checkbox"/> Disposal By Lab <input checked="" type="checkbox"/> Archive For _____ Months		Special Instructions/QC Requirements	
Relinquished by: <i>[Signature]</i>		Date/Time: <i>4/11/13 1325</i>		Company: <i>IESI</i>		Received by: <i>[Signature]</i>		Date/Time: <i>4/11/13 1325</i>	
Relinquished by: <i>[Signature]</i>		Date/Time: <i>4/11/13 1403</i>		Company: <i>IESI</i>		Received by: <i>[Signature]</i>		Date/Time: <i>4/11/13 1403</i>	
Relinquished by: <i>[Signature]</i>		Date/Time: <i>4/11/13 1635</i>		Company: <i>IESI</i>		Received by: <i>[Signature]</i>		Date/Time: <i>4/11/13 1635</i>	
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <i>3.6 ICE #1 CW</i>		Company: <i>IESI</i>		Date/Time: <i>4/11/13 1325</i>	





<b>Client Information</b> Client Contact: <i>Vidii Prigione</i> Company: <i>Innovative Engineering Solutions Inc</i> Address: <i>25 Spaulds St</i> City: <i>Waltham</i> State, Zip: <i>MA 02081</i> Phone: <i>508-668-0033</i> Email: <i>V.Prigione@IESIonline.com</i> Project Number: <i>RA-008</i> Site: <i>Waltham MA</i>		Lab PM: <i>Samy</i> E-Mail: <i>Samy</i> Carrier Tracking No(s): Job #: <i>2 of 4</i>		COC No: <i>22861</i> Page:	
Due Date Requested: <i>4/16/13</i> TAT Requested (days):		Analysis Requested:		Preservation Codes: A - HCL J - DI Water <input type="checkbox"/> B - NaOH M - Hexane <input type="checkbox"/> C - Zn Acetate N - None <input type="checkbox"/> D - Nitric Acid P - Na2O4S <input type="checkbox"/> E - NaHSO4 Q - Na2SO3 <input type="checkbox"/> F - MeOH R - Na2S2SO3 <input type="checkbox"/> H - Ascorbic Acid S - H2SO4 <input type="checkbox"/> I - Ice Z - other (specify) <input type="checkbox"/>	
Quote #: <i>RA-008</i> PO #: <i>RA-008</i> WO #: <i>RA-008</i> SSO#:		Field Filtered Sampler? <input checked="" type="checkbox"/> Perform MS/MSD? <input checked="" type="checkbox"/> Sampler's Initials: <i>83608</i> <i>83608</i> <i>83608</i>		Regulatory programs: MCP <input checked="" type="checkbox"/> GW/ISI <input checked="" type="checkbox"/> RCP <input type="checkbox"/> CT RSR <input type="checkbox"/> DEP Form <input checked="" type="checkbox"/> EDD Required <input checked="" type="checkbox"/>	
<b>Sample Identification</b> Sample Date Sample Time Sample Type (C=Comp, G=grab) Matrix (Newater, S-solid, O-liquid, BT-Tissue, A-Air)		Total Number of containers		Special Instructions/Note:	
<i>mw-2672-20130328-01</i>		<i>3/28/13 1450 C</i>		<i>6</i>	
<i>mw-267m-20130328-01</i>		<i>3/28/13 1415 C</i>		<i>3</i>	
<i>mw-268m-20130329-01</i>		<i>3/28/13 0835 C</i>		<i>6</i>	
<i>mw-268D-20130401</i>		<i>4/1/13 0925 C</i>		<i>3</i>	
<i>mw-269M-20130328-01</i>		<i>3/28/13 1305 C</i>		<i>6</i>	
<i>mw-551-20130328-01</i>		<i>3/28/13 1325 C</i>		<i>3</i>	
<i>mw-552-20130329-01</i>		<i>3/28/13 0935 C</i>		<i>6</i>	
<i>mw-553-20130328-01</i>		<i>3/28/13 1040 C</i>		<i>3</i>	
<i>mw-560-20130328-01</i>		<i>3/28/13 1055 C</i>		<i>3</i>	
<i>mw-561-20130328-01</i>		<i>3/28/13 1015 C</i>		<i>3</i>	
Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					
Deliverable Requested: I, II, III, IV, Other (specify)					
Relinquished by: <i>Samy</i> Date/Time: <i>4/11/13 1325</i> Company: <i>IESI</i>		Received by: <i>Samy</i> Date/Time: <i>4/11/13 1325</i> Company: <i>IESI</i>		Relinquished by: <i>Samy</i> Date/Time: <i>4/11/13 1403</i> Company: <i>IESI</i>	
Relinquished by: <i>Samy</i> Date/Time: <i>4/11/13 1635</i> Company: <i>IESI</i>		Received by: <i>Samy</i> Date/Time: <i>4/11/13 1635</i> Company: <i>IESI</i>		Relinquished by: <i>Samy</i> Date/Time: <i>4/11/13 1403</i> Company: <i>IESI</i>	
Relinquished by: <i>Samy</i> Date/Time: <i>4/11/13 1635</i> Company: <i>IESI</i>		Received by: <i>Samy</i> Date/Time: <i>4/11/13 1635</i> Company: <i>IESI</i>		Relinquished by: <i>Samy</i> Date/Time: <i>4/11/13 1403</i> Company: <i>IESI</i>	
Custody Seal Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cooler Temperature(s) °C and Other Remarks: <i>3.0 ICE#</i>					
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					
Special Instructions/QC Requirements:					

THE LEADER IN ENVIRONMENTAL TESTING

COC No: 22862  
Page: 3 of 4  
Job #: 3054

Carrier Tracking Note(s):

Lab PM: same  
E-Mail: same

Sampler: Dany Sava South Hill  
Phone: same

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=Water, S=solid, O=waste/oil, BI=issue as-is)	Preservation Code:	Sampler's Initials	Field Filtered Sample?	Perform MS/MSD?	Analysis Requested	Total Number of Containers	Special Instructions/Note:
MW-562-20130329-01	3/29/13	1230	C	W		BT	X	X		3	
MW-563-20130329-01	3/29/13	0735	C	W		B	X	X		3	
REW-1-20130328-01	3/28/13	1205	C	W		B	X	X		3	
REW-4-20130328-01	3/28/13	1325	C	W		B	X	X		3	
REW-5-20130328-01	3/28/13	1400	C	W		B	X	X		3	
REW-6-20130328-01	3/28/13	0725	C	W		B	X	X		3	
REW-7-20130328-01	3/28/13	0855	C	W		B	X	X		3	
REW-8-20130328-01	3/28/13	0855	C	W		B	X	X		3	
REW-9-20130328-01	3/28/13	1030	C	W		B	X	X		3	
REW-10-20130328-01	3/28/13	0945	C	W		B	X	X		3	

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

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

Special Instructions/QC Requirements:

Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Received by	Date/Time	Company
[Signature]	4/11/13 1325	FEESI
[Signature]	4/11/13 1403	FEESI
[Signature]	4/11/13 1638	FEESI

Cooler Temperature(s) °C and Other Remarks: 3.8 ICE #1





**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

**TestAmerica**  
 THE LEADER IN ENVIRONMENTAL TESTING

**Chain of Custody Record**

<b>Client Information</b>		Company: <i>V. P. Pringon</i>		Lab PM: <i>Sumit</i>		Carrier Tracking No(s): <b>22863</b>	
Client Contact: <i>V. P. Pringon</i>		Phone: <i>508-668-0033</i>		E-Mail: <i>Sumit</i>		Page: <i>4 of 4</i>	
Company: <i>Innovative Engineering Solutions Inc</i>		Address: <i>25 Spots St</i>		City: <i>Wolpote</i>		Job #:	
State, Zip: <i>MA 02081</i>		Phone: <i>508-668-0033</i>		Quote #:		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)	
Email: <i>v.pringon@iesolutions.com</i>		Project Name/Number: <i>RA-008</i>		Site: <i>Wolpote MA</i>		Regulatory Programs: MCP <input checked="" type="checkbox"/> GW/IS1 RCP <input type="checkbox"/> CT RSR DEP Form <input checked="" type="checkbox"/> EDD Required <input checked="" type="checkbox"/>	
Sample Identification		Sample Date		Sample Time		Sample Type (C=comp, G=grab)	
R200-11-20130329-01		3/29/13		0800		C	
R200-12-20130328-01		3/28/13		1150		G	
Dup21-20130328-01		-		-		G	
Dup22-20130328-01		-		-		G	
Dup23-20130401-01		-		-		G	
TRIP BLANK		-		-		G	
Analysis Requested		Field Filtered Sample?		Perform MS/MSD?		Total Number of Containers	
		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		03	
		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		3	
		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		4	
		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		3	
		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		61TB for 8860 BU 61TB for 8860-50ms	
Special Instructions/Note:		Special Instructions/OC Requirements:		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Archive For: Months	
				<input checked="" type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab			
Reinquired by		Date/Time		Company		Received by	
<i>[Signature]</i>		4/11/13		IES		<i>[Signature]</i>	
Reinquired by		Date/Time		Company		Received by	
<i>[Signature]</i>		4/11/13 1403		E-E-S-L		<i>[Signature]</i>	
Reinquired by		Date/Time		Company		Received by	
<i>[Signature]</i>		4/11/13 1638		E-E-S-L		<i>[Signature]</i>	
Custody Seal Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		3.0°F ICE#	

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 TAL-8245-360 1111

## Login Sample Receipt Checklist

Client: Innovative Engineering Solutions, Inc

Job Number: 480-35387-1

**Login Number: 35387**

**List Number: 1**

**Creator: Janish, Carl**

**List Source: TestAmerica Buffalo**

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	

