

**Environmental  
Resources  
Management**

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

<http://www.erm.com>

30 August 2017  
Reference: 0377766

Mr. David Costello  
National Development  
2310 Washington Street  
Newton Lower Falls, MA 02462



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

Dear Mr. Costello:

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

ERM collected groundwater samples from thirty eight (38) monitoring wells located on National Development property in August 2017. These samples were submitted to TestAmerica Laboratories, Inc. of Amherst, NY and Burlington, VT for analysis. All analytical results are attached to this letter.

Raytheon has implemented the Public Involvement Process in accordance with 310 CMR 40.1405. Documents pertaining to the Site can be found at the Board of Health Public Involvement Plan files, or at <http://raytheon.erm.com/home.htm>.

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 read "John C. Drobinski".

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

A handwritten signature in blue ink, appearing to read "Lyndsey Colburn".

Lyndsey Colburn, P.G.  
*Principal Consultant*

enclosures: BWSC-123 - Notice of Environmental Sampling  
Laboratory Analytical Reports (CD)

cc: Jonathan Hone, Raytheon Company  
PIP Repositories





**Massachusetts Department of Environmental Protection**  
*Bureau of Waste Site Cleanup*

**BWSC123**

This Notice is Related to:  
Release Tracking Number

|  |   |  |
|--|---|--|
|  | - |  |
|--|---|--|

**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 of a release for which a notification to MassDEP has been made under the Massachusetts Contingency Plan (310 CMR 40.0300) 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/eea/agencies/massdep/cleanup>. 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://public.dep.state.ma.us/SearchableSites2/Search.aspx> to view site-specific files on-line or <http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html> if you would like to make an appointment to see these files in person. 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: 480-122520-1

Client Project/Site: IDS Wayland

For:

ERM-Northeast

One Beacon Steet

5th Floor

Boston, Massachusetts 02108

Attn: Lyndsey Colburn



Authorized for release by:

8/24/2017 12:12:32 PM

Denise Giglia, Project Management Assistant II

[denise.giglia@testamericainc.com](mailto:denise.giglia@testamericainc.com)

Designee for

Becky Mason, Project Manager II

(413)572-4000

[becky.mason@testamericainc.com](mailto:becky.mason@testamericainc.com)

### 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: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

## Qualifiers

### GC/MS VOA

| Qualifier | Qualifier Description                     |
|-----------|---|
| *         | LCS or LCSD is outside acceptance limits. |

## Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|---|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery  |
| CFL            | Contains Free Liquid  |
| CNF            | Contains No Free Liquid   |
| DER            | Duplicate Error Ratio (normalized absolute difference)  |
| Dil Fac        | Dilution Factor   |
| DL             | Detection Limit (DoD/DOE)   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)   |
| EDL            | Estimated Detection Limit (Dioxin)  |
| LOD            | Limit of Detection (DoD/DOE)  |
| LOQ            | Limit of Quantitation (DoD/DOE)   |
| MDA            | Minimum Detectable Activity (Radiochemistry)  |
| MDC            | Minimum Detectable Concentration (Radiochemistry)   |
| MDL            | Method Detection Limit  |
| ML             | Minimum Level (Dioxin)  |
| NC             | Not Calculated  |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)  |
| PQL            | Practical Quantitation Limit  |
| QC             | Quality Control   |
| RER            | Relative Error Ratio (Radiochemistry)   |
| 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: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Job ID: 480-122520-1**

**Laboratory: TestAmerica Buffalo**

## Narrative

### Job Narrative 480-122520-1

#### Receipt

The samples were received on 8/10/2017 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0° C.

#### GC/MS VOA

Method 8260C: With the exception of diluted samples, per question G on the MassDEP Analytical Protocol Certification Form, TestAmerica's routine reporting limits do not achieve the CAM reporting limits specified in this CAM protocol for 1,2-dibromo-3-chloropropane, Carbon Disulfide, Isopropyl Ether, Naphthalene, tert-Amyl Methyl Ether and Tetrahydrofuran.

Method 8260C: The continuing calibration verification (CCV) for 1,4-Dioxane, Chloromethane, Carbon tetrachloride, Dichlorodifluoromethane and sec-Butylbenzene associated with batch 480-373038 recovered outside the MCP control limit criteria. MCP protocol allows for 20% of the target compounds to be outside the 20% difference but not over 40% difference. Difficult analytes are allowed to be outside the 20% difference but not over 60% difference. The following samples were affected : MW-1020-20170809-01 (480-122520-1), MW-1009-20170809-01 (480-122520-2), MW-1026D-20170809-01 (480-122520-3), MW-1015D-20170809-01 (480-122520-4), MW-1022-20170809-01 (480-122520-5), MW-1030-20170809-01 (480-122520-6), MW-1031-20170809-01 (480-122520-7), MW-1032-20170809-01 (480-122520-8), MW-1028-20170809-01 (480-122520-9), MW-1027-20170809-01 (480-122520-10), MW-1033-20170809-01 (480-122520-11), MW-1013-20170809-01 (480-122520-12), MW-1014-20170809-01 (480-122520-13), MW-1008-20170809-01 (480-122520-14), MW-1005-20170809-01 (480-122520-15), MW-1004-20170809-01 (480-122520-16), MW-1003-20170809-01 (480-122520-17), MW-1002B-20170809-01 (480-122520-18) and MW-1001M-20170809-01 (480-122520-19).

Method 8260C: The laboratory control sample (LCS) for batch 480-373038 exceeded control limits for the following analytes: 4-Chlorotoluene. MCP protocol allows for 10% of the target compounds to be outside of the limits provided the recoveries are over 10%. The following samples were affected : MW-1020-20170809-01 (480-122520-1), MW-1009-20170809-01 (480-122520-2), MW-1026D-20170809-01 (480-122520-3), MW-1015D-20170809-01 (480-122520-4), MW-1022-20170809-01 (480-122520-5), MW-1030-20170809-01 (480-122520-6), MW-1031-20170809-01 (480-122520-7), MW-1032-20170809-01 (480-122520-8), MW-1028-20170809-01 (480-122520-9), MW-1027-20170809-01 (480-122520-10), MW-1033-20170809-01 (480-122520-11), MW-1013-20170809-01 (480-122520-12), MW-1014-20170809-01 (480-122520-13), MW-1008-20170809-01 (480-122520-14), MW-1005-20170809-01 (480-122520-15), MW-1004-20170809-01 (480-122520-16), MW-1003-20170809-01 (480-122520-17), MW-1002B-20170809-01 (480-122520-18) and MW-1001M-20170809-01 (480-122520-19).

Method 8260C: The laboratory control sample (LCS) for batch 480-373038 exceeded control limits for the following analyte: 2-Butanone , 2-Hexanone. Unlike the calibration standards, this is due to the coelution with Ethyl Acetate, n-butyl Acetate in the spiking solution. This does not indicate a performance issue with the spike recovery, but rather the laboratory's ability to measure the two analytes together in a combined spiking solution. Through the use of spectral analysis, the two compounds can be distinguished from one another if present in a client sample. The following samples were affected : MW-1020-20170809-01 (480-122520-1), MW-1009-20170809-01 (480-122520-2), MW-1026D-20170809-01 (480-122520-3), MW-1015D-20170809-01 (480-122520-4), MW-1022-20170809-01 (480-122520-5), MW-1030-20170809-01 (480-122520-6), MW-1031-20170809-01 (480-122520-7), MW-1032-20170809-01 (480-122520-8), MW-1028-20170809-01 (480-122520-9), MW-1027-20170809-01 (480-122520-10), MW-1033-20170809-01 (480-122520-11), MW-1013-20170809-01 (480-122520-12), MW-1014-20170809-01 (480-122520-13), MW-1008-20170809-01 (480-122520-14), MW-1005-20170809-01 (480-122520-15), MW-1004-20170809-01 (480-122520-16), MW-1003-20170809-01 (480-122520-17), MW-1002B-20170809-01 (480-122520-18) and MW-1001M-20170809-01 (480-122520-19).

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-1037-20170809-01 (480-122520-29). Elevated reporting limits (RLs) are provided.

Method 8260C: The laboratory control sample (LCS) and / or the laboratory control sample duplicate (LCSD) for batch 480-373188 exceeded control limits for the following analytes: Chloromethane. MCP protocol allows for 10% of the target compounds to be outside of the limits provided the recoveries are over 10%. The following samples were affected : MW-1001B-20170809-01 (480-122520-20), MW-1034-20170809-01 (480-122520-23), DUP-004-20170809-01 (480-122520-24), MW-1018-20170809-01 (480-122520-25), MW-1035-20170809-01 (480-122520-26), MW-1036-20170809-01 (480-122520-27), DUP-005-20170809-01 (480-122520-28), MW-1037-20170809-01 (480-122520-29), DUP-002-20170809-01 (480-122520-31), DUP-003-20170809-01 (480-122520-32),



# Case Narrative

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

## Job ID: 480-122520-1 (Continued)

### Laboratory: TestAmerica Buffalo (Continued)

DUP-001-20170809-01 (480-122520-33), MW-1024D-20170809-01 (480-122520-34), MW-1023-20170809-01 (480-122520-35), MW-1019B-20170809-01 (480-122520-36), MW-1010D-20170809-01 (480-122520-37), MW-1010M-20170809-01 (480-122520-38), MW-1006-20170809-01 (480-122520-39) and MW-1016D-20170809-01 (480-122520-40).

Method 8260C: The laboratory control sample (LCS) and / or the laboratory control sample duplicate (LCSD) for batch 480-373188 exceeded control limits for the following analyte: 2-Butanone and 2-Hexanone. Unlike the calibration standards, this is due to the coelution with Ethyl Acetate and n-butyl Acetate in the spiking solution. This does not indicate a performance issue with the spike recovery, but rather the laboratory's ability to measure the two analytes together in a combined spiking solution. Through the use of spectral analysis, the two compounds can be distinguished from one another if present in a client sample. The following samples were affected:

MW-1001B-20170809-01 (480-122520-20), MW-1034-20170809-01 (480-122520-23), DUP-004-20170809-01 (480-122520-24), MW-1018-20170809-01 (480-122520-25), MW-1035-20170809-01 (480-122520-26), MW-1036-20170809-01 (480-122520-27), DUP-005-20170809-01 (480-122520-28), MW-1037-20170809-01 (480-122520-29), DUP-002-20170809-01 (480-122520-31), DUP-003-20170809-01 (480-122520-32), DUP-001-20170809-01 (480-122520-33), MW-1024D-20170809-01 (480-122520-34), MW-1023-20170809-01 (480-122520-35), MW-1019B-20170809-01 (480-122520-36), MW-1010D-20170809-01 (480-122520-37), MW-1010M-20170809-01 (480-122520-38), MW-1006-20170809-01 (480-122520-39) and MW-1016D-20170809-01 (480-122520-40).

Method 8260C: The laboratory control sample (LCS) and / or the laboratory control sample duplicate (LCSD) for batch 480-373193 exceeded control limits for the following analytes: Bromoform and Tetrahydrofuran MCP protocol allows for 10% of the target compounds to be outside of the limits provided the recoveries are over 10%. The following samples were affected : MW-1025M-20170809-01 (480-122520-21) and MW-1025D-20170809-01 (480-122520-22).

Method 8260C: The continuing calibration verification (CCV) for Bromoform and Dichlorodifluoromethane. associated with batch 480-373193 recovered outside the MCP control limit criteria. MCP protocol allows for 20% of the target compounds to be outside the 20% difference but not over 40% difference. Difficult analytes are allowed to be outside the 20% difference but not over 60% difference. The following samples were affected : MW-1025M-20170809-01 (480-122520-21) and MW-1025D-20170809-01 (480-122520-22).

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-1037-20170809-01 (480-122520-29). Elevated reporting limits (RLs) are provided.

Method 8260C: The laboratory control sample (LCS) and / or the laboratory control sample duplicate (LCSD) for batch 480-373250 exceeded control limits for the following analyte: Tetrahydrofuran. Unlike the calibration standards, this is due to the coelution with Methacrylonitrile in the spiking solution. This does not indicate a performance issue with the spike recovery, but rather the laboratory's ability to measure the two analytes together in a combined spiking solution. Through the use of spectral analysis, the two compounds can be distinguished from one another if present in a client sample. The following samples were affected : MW-1037-20170809-01 (480-122520-29), MW-1038-20170809-01 (480-122520-30), MW-1017D-20170809-01 (480-122520-41), MW-1011-20170809-01 (480-122520-42), MW-1039-20170809-01 (480-122520-43) and TB-001-20170809-01 (480-122520-44).

Method 8260C: The laboratory control sample (LCS) and / or the laboratory control sample duplicate (LCSD) for batch 480-373250 exceeded control limits for the following analytes: Bromoform. MCP protocol allows for 10% of the target compounds to be outside of the limits provided the recoveries are over 10%. The following samples were affected : MW-1037-20170809-01 (480-122520-29), MW-1038-20170809-01 (480-122520-30), MW-1017D-20170809-01 (480-122520-41), MW-1011-20170809-01 (480-122520-42), MW-1039-20170809-01 (480-122520-43) and TB-001-20170809-01 (480-122520-44).

Method 8260C: The initial calibration curve RSD was greater than the 20% acceptance criteria for Bromoform , however the RSD was less than 40%. MCP protocol allows for 10% of the target compounds to be outside of the 20% RSD limit for the calibration provided the RSDs do not exceed 40%. The following samples are impacted: MW-1037-20170809-01 (480-122520-29), MW-1038-20170809-01 (480-122520-30), MW-1017D-20170809-01 (480-122520-41), MW-1011-20170809-01 (480-122520-42), MW-1039-20170809-01 (480-122520-43) and TB-001-20170809-01 (480-122520-44).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

## MassDEP Analytical Protocol Certification Form

Laboratory Name: **TestAmerica Buffalo** Project #: **480-122520**

Project Location: **IDS Wayland** RTN:

**This form provides certifications for the following data set: list Laboratory Sample ID Number(s):**  
**480-122520 [1-44]**

Matrices:  Groundwater/Surface Water  Soil/Sediment  Drinking Water  Air  Other:

**CAM Protocols (check all that apply below):**

|  |  |   |   |   |   |
|--|--|---|---|---|---|
| 8260 VOC<br>CAM II A <input checked="" type="checkbox"/> | 7470/7471 Hg<br>CAM III B <input type="checkbox"/> | Mass DEP VPH<br>CAM IV A <input type="checkbox"/> | 8081 Pesticides<br>CAM V B <input type="checkbox"/>         | 7196 Hex Cr<br>CAM VI B <input type="checkbox"/>        | Mass DEP APH<br>CAM IX A <input type="checkbox"/> |
| 8270 SVOC<br>CAM II B <input type="checkbox"/>           | 7010 Metals<br>CAM III C <input type="checkbox"/>  | Mass DEP EPH<br>CAM IV B <input type="checkbox"/> | 8151 Herbicides<br>CAM V C <input type="checkbox"/>         | 8330 Explosives<br>CAM VIII A <input type="checkbox"/>  | TO-15 VOC<br>CAM IX B <input type="checkbox"/>    |
| 6010 Metals<br>CAM III A <input type="checkbox"/>        | 6020 Metals<br>CAM III D <input type="checkbox"/>  | 8082 PCB<br>CAM V A <input type="checkbox"/>      | 9014 Total Cyanide/PAC<br>CAM VI A <input type="checkbox"/> | 6860 Perchlorate<br>CAM VIII B <input type="checkbox"/> |   |

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

|          |   |  |
|----------|---|--|
| <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).<br>b. APH and TO-15 Methods only: Was the complete analyte list reported for each method? | <input type="checkbox"/> Yes <input type="checkbox"/> No<br><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  |

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

|          |   |  |
|----------|---|--|
| <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> |
|----------|---|--|

**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>H</b> | Were <b>all</b> 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.

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

Signature: Denise L. Giglia Position: Project Manager Assistant II  
 Printed Name: Denise L. Giglia Date: 8/24/17 12:04

# Detection Summary

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

## Client Sample ID: MW-1020-20170809-01

## Lab Sample ID: 480-122520-1

| Analyte                 | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| Acetone                 | 64     |           | 50  |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Methyl tert-butyl ether | 22     |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Tert-amyl methyl ether  | 17     |           | 5.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Trichloroethene         | 9.2    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW-1009-20170809-01

## Lab Sample ID: 480-122520-2

| Analyte                | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| Acetone                | 58     |           | 50  |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Trichlorofluoromethane | 22     |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW-1026D-20170809-01

## Lab Sample ID: 480-122520-3

| Analyte                | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| Acetone                | 71     |           | 50  |     | ug/L | 1       |   | 8260C  | Total/NA  |
| cis-1,2-Dichloroethene | 34     |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Trichloroethene        | 48     |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW-1015D-20170809-01

## Lab Sample ID: 480-122520-4

| Analyte           | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| Tetrachloroethene | 2.0    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Trichloroethene   | 11     |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW-1022-20170809-01

## Lab Sample ID: 480-122520-5

| Analyte         | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| Acetone         | 57     |           | 50  |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Trichloroethene | 2.4    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW-1030-20170809-01

## Lab Sample ID: 480-122520-6

| Analyte         | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| Acetone         | 100    |           | 50  |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Trichloroethene | 2.3    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW-1031-20170809-01

## Lab Sample ID: 480-122520-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|----|-----|------|---------|---|--------|-----------|
| Acetone | 58     |           | 50 |     | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW-1032-20170809-01

## Lab Sample ID: 480-122520-8

| Analyte                 | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| 1,1-Dichloroethane      | 1.7    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| 1,1-Dichloroethene      | 2.8    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Acetone                 | 51     |           | 50  |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Methyl tert-butyl ether | 33     |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Tert-amyl methyl ether  | 17     |           | 5.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Trichloroethene         | 7.7    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Detection Summary

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

## Client Sample ID: MW-1028-20170809-01

## Lab Sample ID: 480-122520-9

| Analyte         | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| Acetone         | 80     |           | 50  |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Trichloroethene | 5.3    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW-1027-20170809-01

## Lab Sample ID: 480-122520-10

No Detections.

## Client Sample ID: MW-1033-20170809-01

## Lab Sample ID: 480-122520-11

No Detections.

## Client Sample ID: MW-1013-20170809-01

## Lab Sample ID: 480-122520-12

| Analyte                | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| Acetone                | 58     |           | 50  |     | ug/L | 1       |   | 8260C  | Total/NA  |
| cis-1,2-Dichloroethene | 21     |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Trichloroethene        | 43     |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW-1014-20170809-01

## Lab Sample ID: 480-122520-13

| Analyte         | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| Acetone         | 62     |           | 50  |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Trichloroethene | 3.2    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW-1008-20170809-01

## Lab Sample ID: 480-122520-14

| Analyte                | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| Acetone                | 70     |           | 50  |     | ug/L | 1       |   | 8260C  | Total/NA  |
| cis-1,2-Dichloroethene | 6.0    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Trichloroethene        | 6.9    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW-1005-20170809-01

## Lab Sample ID: 480-122520-15

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|----|-----|------|---------|---|--------|-----------|
| Acetone | 67     |           | 50 |     | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW-1004-20170809-01

## Lab Sample ID: 480-122520-16

| Analyte                | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| Acetone                | 66     |           | 50  |     | ug/L | 1       |   | 8260C  | Total/NA  |
| cis-1,2-Dichloroethene | 2.9    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Trichloroethene        | 6.1    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW-1003-20170809-01

## Lab Sample ID: 480-122520-17

No Detections.

## Client Sample ID: MW-1002B-20170809-01

## Lab Sample ID: 480-122520-18

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|----|-----|------|---------|---|--------|-----------|
| Acetone | 81     |           | 50 |     | ug/L | 1       |   | 8260C  | Total/NA  |

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Detection Summary

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

## Client Sample ID: MW-1001M-20170809-01

## Lab Sample ID: 480-122520-19

| Analyte                | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| Acetone                | 63     |           | 50  |     | ug/L | 1       |   | 8260C  | Total/NA  |
| cis-1,2-Dichloroethene | 17     |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Trichloroethene        | 6.1    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW-1001B-20170809-01

## Lab Sample ID: 480-122520-20

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|----|-----|------|---------|---|--------|-----------|
| Acetone | 52     |           | 50 |     | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW-1025M-20170809-01

## Lab Sample ID: 480-122520-21

| Analyte                 | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| 1,1-Dichloroethane      | 1.1    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| 1,1-Dichloroethene      | 3.6    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Acetone                 | 110    |           | 50  |     | ug/L | 1       |   | 8260C  | Total/NA  |
| cis-1,2-Dichloroethene  | 6.0    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Methyl tert-butyl ether | 3.4    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Trichloroethene         | 50     |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW-1025D-20170809-01

## Lab Sample ID: 480-122520-22

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|----|-----|------|---------|---|--------|-----------|
| Acetone | 76     |           | 50 |     | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW-1034-20170809-01

## Lab Sample ID: 480-122520-23

| Analyte                  | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|--------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| Acetone                  | 68     |           | 50  |     | ug/L | 1       |   | 8260C  | Total/NA  |
| cis-1,2-Dichloroethene   | 13     |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| trans-1,2-Dichloroethene | 1.7    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Trichloroethene          | 39     |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: DUP-004-20170809-01

## Lab Sample ID: 480-122520-24

| Analyte                  | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|--------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| Acetone                  | 71     |           | 50  |     | ug/L | 1       |   | 8260C  | Total/NA  |
| cis-1,2-Dichloroethene   | 14     |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| trans-1,2-Dichloroethene | 1.7    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Trichloroethene          | 41     |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW-1018-20170809-01

## Lab Sample ID: 480-122520-25

| Analyte                 | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| 1,1,1-Trichloroethane   | 2.2    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Acetone                 | 55     |           | 50  |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Methyl tert-butyl ether | 1.1    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Trichloroethene         | 9.9    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW-1035-20170809-01

## Lab Sample ID: 480-122520-26

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Detection Summary

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

## Client Sample ID: MW-1035-20170809-01 (Continued)

## Lab Sample ID: 480-122520-26

| Analyte                 | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| 1,1,1-Trichloroethane   | 11     |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Acetone                 | 67     |           | 50  |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Methyl tert-butyl ether | 5.9    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Tert-amyl methyl ether  | 5.2    |           | 5.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Trichloroethene         | 50     |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW-1036-20170809-01

## Lab Sample ID: 480-122520-27

| Analyte                | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| Acetone                | 56     |           | 50  |     | ug/L | 1       |   | 8260C  | Total/NA  |
| cis-1,2-Dichloroethene | 1.9    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Trichloroethene        | 4.1    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: DUP-005-20170809-01

## Lab Sample ID: 480-122520-28

| Analyte                | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| Acetone                | 57     |           | 50  |     | ug/L | 1       |   | 8260C  | Total/NA  |
| cis-1,2-Dichloroethene | 1.9    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Trichloroethene        | 3.7    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW-1037-20170809-01

## Lab Sample ID: 480-122520-29

| Analyte               | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| 1,1,1-Trichloroethane | 85     |           | 2.0 |     | ug/L | 2       |   | 8260C  | Total/NA  |
| 1,1-Dichloroethene    | 4.2    |           | 2.0 |     | ug/L | 2       |   | 8260C  | Total/NA  |
| Acetone               | 130    |           | 100 |     | ug/L | 2       |   | 8260C  | Total/NA  |
| Trichloroethene - DL  | 300    |           | 10  |     | ug/L | 10      |   | 8260C  | Total/NA  |

## Client Sample ID: MW-1038-20170809-01

## Lab Sample ID: 480-122520-30

| Analyte                 | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| 1,1,1-Trichloroethane   | 60     |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| 1,1-Dichloroethene      | 3.4    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Acetone                 | 96     |           | 50  |     | ug/L | 1       |   | 8260C  | Total/NA  |
| cis-1,2-Dichloroethene  | 1.2    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Methyl tert-butyl ether | 1.1    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Trichloroethene         | 270    |           | 40  |     | ug/L | 40      |   | 8260C  | Total/NA  |

## Client Sample ID: DUP-002-20170809-01

## Lab Sample ID: 480-122520-31

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|----|-----|------|---------|---|--------|-----------|
| Acetone | 58     |           | 50 |     | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: DUP-003-20170809-01

## Lab Sample ID: 480-122520-32

| Analyte                | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| 1,1-Dichloroethane     | 1.0    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| 1,1-Dichloroethene     | 3.6    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Acetone                | 98     |           | 50  |     | ug/L | 1       |   | 8260C  | Total/NA  |
| cis-1,2-Dichloroethene | 5.1    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Detection Summary

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

## Client Sample ID: DUP-003-20170809-01 (Continued)

## Lab Sample ID: 480-122520-32

| Analyte                 | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| Methyl tert-butyl ether | 3.2    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Trichloroethene         | 45     |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: DUP-001-20170809-01

## Lab Sample ID: 480-122520-33

| Analyte                | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| Acetone                | 73     |           | 50  |     | ug/L | 1       |   | 8260C  | Total/NA  |
| cis-1,2-Dichloroethene | 5.6    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Trichloroethene        | 6.6    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW-1024D-20170809-01

## Lab Sample ID: 480-122520-34

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|----|-----|------|---------|---|--------|-----------|
| Acetone | 65     |           | 50 |     | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW-1023-20170809-01

## Lab Sample ID: 480-122520-35

| Analyte                | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| Acetone                | 78     |           | 50  |     | ug/L | 1       |   | 8260C  | Total/NA  |
| cis-1,2-Dichloroethene | 9.1    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Trichloroethene        | 3.2    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW-1019B-20170809-01

## Lab Sample ID: 480-122520-36

| Analyte         | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| Acetone         | 70     |           | 50  |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Trichloroethene | 1.3    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW-1010D-20170809-01

## Lab Sample ID: 480-122520-37

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|----|-----|------|---------|---|--------|-----------|
| Acetone | 64     |           | 50 |     | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW-1010M-20170809-01

## Lab Sample ID: 480-122520-38

| Analyte         | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| Trichloroethene | 12     |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW-1006-20170809-01

## Lab Sample ID: 480-122520-39

| Analyte            | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|--------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| 1,1-Dichloroethene | 1.2    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Acetone            | 64     |           | 50  |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Trichloroethene    | 4.4    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW-1016D-20170809-01

## Lab Sample ID: 480-122520-40

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|----|-----|------|---------|---|--------|-----------|
| Acetone | 65     |           | 50 |     | ug/L | 1       |   | 8260C  | Total/NA  |

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo



# Detection Summary

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

## Client Sample ID: MW-1017D-20170809-01

## Lab Sample ID: 480-122520-41

| Analyte                  | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|--------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| Acetone                  | 91     |           | 50  |     | ug/L | 1       |   | 8260C  | Total/NA  |
| cis-1,2-Dichloroethene   | 81     |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| trans-1,2-Dichloroethene | 2.1    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Trichloroethene          | 25     |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW-1011-20170809-01

## Lab Sample ID: 480-122520-42

| Analyte                | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| Acetone                | 65     |           | 50  |     | ug/L | 1       |   | 8260C  | Total/NA  |
| cis-1,2-Dichloroethene | 5.4    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Trichloroethene        | 15     |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW-1039-20170809-01

## Lab Sample ID: 480-122520-43

| Analyte                  | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|--------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| Acetone                  | 73     |           | 50  |     | ug/L | 1       |   | 8260C  | Total/NA  |
| cis-1,2-Dichloroethene   | 33     |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| trans-1,2-Dichloroethene | 2.3    |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |
| Trichloroethene          | 57     |           | 1.0 |     | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: TB-001-20170809-01

## Lab Sample ID: 480-122520-44

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo



# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1020-20170809-01**

**Lab Sample ID: 480-122520-1**

**Date Collected: 08/09/17 07:45**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 13:07 | 1       |
| 1,1,1-Trichloroethane       | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND        |           | 0.50 |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| 1,1,2-Trichloroethane       | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| 1,1-Dichloroethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| 1,1-Dichloroethene          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| 1,1-Dichloropropene         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| 1,2,3-Trichlorobenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| 1,2,3-Trichloropropane      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| 1,2,4-Trichlorobenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| 1,2,4-Trimethylbenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND        |           | 5.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| 1,2-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| 1,2-Dichloroethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| 1,2-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| 1,3,5-Trimethylbenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| 1,3-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| 1,3-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| 1,4-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| 1,4-Dioxane                 | ND        |           | 50   |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| 2,2-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| 2-Butanone (MEK)            | ND        | *         | 10   |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| 2-Chlorotoluene             | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| 2-Hexanone                  | ND        | *         | 10   |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| 4-Chlorotoluene             | ND        | *         | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| 4-Isopropyltoluene          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND        |           | 10   |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| <b>Acetone</b>              | <b>64</b> |           | 50   |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| Benzene                     | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| Bromobenzene                | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| Bromoform                   | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| Bromomethane                | ND        |           | 2.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| Carbon disulfide            | ND        |           | 10   |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| Carbon tetrachloride        | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| Chlorobenzene               | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| Chlorobromomethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| Chlorodibromomethane        | ND        |           | 0.50 |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| Chloroethane                | ND        |           | 2.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| Chloroform                  | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| Chloromethane               | ND        | *         | 2.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| cis-1,2-Dichloroethene      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| cis-1,3-Dichloropropene     | ND        |           | 0.40 |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| Dichlorobromomethane        | ND        |           | 0.50 |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| Dichlorodifluoromethane     | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| Ethyl ether                 | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| Ethylbenzene                | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| Ethylene Dibromide          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| Hexachlorobutadiene         | ND        |           | 0.40 |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| Isopropyl ether             | ND        |           | 10   |     | ug/L |   |          | 08/21/17 13:07 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1020-20170809-01**

**Lab Sample ID: 480-122520-1**

**Date Collected: 08/09/17 07:45**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 13:07 | 1       |
| <b>Methyl tert-butyl ether</b> | <b>22</b>  |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| Methylene Chloride             | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| m-Xylene & p-Xylene            | ND         |           | 2.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| Naphthalene                    | ND         |           | 5.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| n-Butylbenzene                 | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| N-Propylbenzene                | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| o-Xylene                       | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| sec-Butylbenzene               | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| Styrene                        | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| <b>Tert-amyl methyl ether</b>  | <b>17</b>  |           | 5.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| Tert-butyl ethyl ether         | ND         |           | 5.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| tert-Butylbenzene              | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| Tetrachloroethene              | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| Tetrahydrofuran                | ND         |           | 10   |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| Toluene                        | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| trans-1,2-Dichloroethene       | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| trans-1,3-Dichloropropene      | ND         |           | 0.40 |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| <b>Trichloroethene</b>         | <b>9.2</b> |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| Trichlorofluoromethane         | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| Vinyl chloride                 | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |
| Dibromomethane                 | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 13:07 | 1       |

| Surrogate                           | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|-------------------------------------|-----------|-----------|----------|----------|----------------|---------|
| <i>Toluene-d8 (Surr)</i>            | 100       |           | 70 - 130 |          | 08/21/17 13:07 | 1       |
| <i>1,2-Dichloroethane-d4 (Surr)</i> | 102       |           | 70 - 130 |          | 08/21/17 13:07 | 1       |
| <i>4-Bromofluorobenzene (Surr)</i>  | 101       |           | 70 - 130 |          | 08/21/17 13:07 | 1       |

**Client Sample ID: MW-1009-20170809-01**

**Lab Sample ID: 480-122520-2**

**Date Collected: 08/09/17 08:15**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 13:32 | 1       |
| 1,1,1-Trichloroethane       | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND     |           | 0.50 |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| 1,1,2-Trichloroethane       | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| 1,1-Dichloroethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| 1,1-Dichloroethene          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| 1,2,3-Trichlorobenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| 1,2,3-Trichloropropane      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| 1,2,4-Trichlorobenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| 1,2,4-Trimethylbenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| 1,3,5-Trimethylbenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1009-20170809-01**

**Lab Sample ID: 480-122520-2**

**Date Collected: 08/09/17 08:15**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 13:32 | 1       |
| 1,3-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| 1,4-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| 1,4-Dioxane                 | ND        |           | 50   |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| 2,2-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| 2-Butanone (MEK)            | ND        | *         | 10   |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| 2-Chlorotoluene             | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| 2-Hexanone                  | ND        | *         | 10   |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| 4-Chlorotoluene             | ND        | *         | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| 4-Isopropyltoluene          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND        |           | 10   |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| <b>Acetone</b>              | <b>58</b> |           | 50   |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| Benzene                     | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| Bromobenzene                | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| Bromoform                   | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| Bromomethane                | ND        |           | 2.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| Carbon disulfide            | ND        |           | 10   |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| Carbon tetrachloride        | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| Chlorobenzene               | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| Chlorobromomethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| Chlorodibromomethane        | ND        |           | 0.50 |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| Chloroethane                | ND        |           | 2.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| Chloroform                  | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| Chloromethane               | ND        | *         | 2.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| cis-1,2-Dichloroethene      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| cis-1,3-Dichloropropene     | ND        |           | 0.40 |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| Dichlorobromomethane        | ND        |           | 0.50 |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| Dichlorodifluoromethane     | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| Ethyl ether                 | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| Ethylbenzene                | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| Ethylene Dibromide          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| Hexachlorobutadiene         | ND        |           | 0.40 |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| Isopropyl ether             | ND        |           | 10   |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| Isopropylbenzene            | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| Methyl tert-butyl ether     | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| Methylene Chloride          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| m-Xylene & p-Xylene         | ND        |           | 2.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| Naphthalene                 | ND        |           | 5.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| n-Butylbenzene              | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| N-Propylbenzene             | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| o-Xylene                    | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| sec-Butylbenzene            | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| Styrene                     | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| Tert-amyl methyl ether      | ND        |           | 5.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| Tert-butyl ethyl ether      | ND        |           | 5.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| tert-Butylbenzene           | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| Tetrachloroethene           | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| Tetrahydrofuran             | ND        |           | 10   |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| Toluene                     | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:32 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1009-20170809-01**

**Lab Sample ID: 480-122520-2**

**Date Collected: 08/09/17 08:15**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 13:32 | 1       |
| trans-1,3-Dichloropropene     | ND        |           | 0.40     |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| Trichloroethene               | ND        |           | 1.0      |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| <b>Trichlorofluoromethane</b> | <b>22</b> |           | 1.0      |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| Vinyl chloride                | ND        |           | 1.0      |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| Dibromomethane                | ND        |           | 1.0      |     | ug/L |   |          | 08/21/17 13:32 | 1       |
| Surrogate                     | %Recovery | Qualifier | Limits   |     |      |   | Prepared | Analyzed       | Dil Fac |
| Toluene-d8 (Surr)             | 99        |           | 70 - 130 |     |      |   |          | 08/21/17 13:32 | 1       |
| 1,2-Dichloroethane-d4 (Surr)  | 97        |           | 70 - 130 |     |      |   |          | 08/21/17 13:32 | 1       |
| 4-Bromofluorobenzene (Surr)   | 100       |           | 70 - 130 |     |      |   |          | 08/21/17 13:32 | 1       |

**Client Sample ID: MW-1026D-20170809-01**

**Lab Sample ID: 480-122520-3**

**Date Collected: 08/09/17 08:15**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 13:57 | 1       |
| 1,1,1-Trichloroethane       | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND        |           | 0.50 |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| 1,1,2-Trichloroethane       | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| 1,1-Dichloroethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| 1,1-Dichloroethene          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| 1,1-Dichloropropene         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| 1,2,3-Trichlorobenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| 1,2,3-Trichloropropane      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| 1,2,4-Trichlorobenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| 1,2,4-Trimethylbenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND        |           | 5.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| 1,2-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| 1,2-Dichloroethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| 1,2-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| 1,3,5-Trimethylbenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| 1,3-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| 1,3-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| 1,4-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| 1,4-Dioxane                 | ND        |           | 50   |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| 2,2-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| 2-Butanone (MEK)            | ND        | *         | 10   |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| 2-Chlorotoluene             | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| 2-Hexanone                  | ND        | *         | 10   |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| 4-Chlorotoluene             | ND        | *         | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| 4-Isopropyltoluene          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND        |           | 10   |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| <b>Acetone</b>              | <b>71</b> |           | 50   |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| Benzene                     | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| Bromobenzene                | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| Bromoform                   | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| Bromomethane                | ND        |           | 2.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1026D-20170809-01**

**Lab Sample ID: 480-122520-3**

**Date Collected: 08/09/17 08:15**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 13:57 | 1       |
| Carbon tetrachloride          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| Chlorobenzene                 | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| Chlorobromomethane            | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| Chlorodibromomethane          | ND        |           | 0.50 |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| Chloroethane                  | ND        |           | 2.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| Chloroform                    | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| Chloromethane                 | ND        | *         | 2.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| <b>cis-1,2-Dichloroethene</b> | <b>34</b> |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| cis-1,3-Dichloropropene       | ND        |           | 0.40 |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| Dichlorobromomethane          | ND        |           | 0.50 |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| Dichlorodifluoromethane       | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| Ethyl ether                   | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| Ethylbenzene                  | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| Ethylene Dibromide            | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| Hexachlorobutadiene           | ND        |           | 0.40 |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| Isopropyl ether               | ND        |           | 10   |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| Isopropylbenzene              | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| Methyl tert-butyl ether       | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| Methylene Chloride            | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| m-Xylene & p-Xylene           | ND        |           | 2.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| Naphthalene                   | ND        |           | 5.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| n-Butylbenzene                | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| N-Propylbenzene               | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| o-Xylene                      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| sec-Butylbenzene              | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| Styrene                       | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| Tert-amyl methyl ether        | ND        |           | 5.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| Tert-butyl ethyl ether        | ND        |           | 5.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| tert-Butylbenzene             | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| Tetrachloroethene             | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| Tetrahydrofuran               | ND        |           | 10   |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| Toluene                       | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| trans-1,2-Dichloroethene      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| trans-1,3-Dichloropropene     | ND        |           | 0.40 |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| <b>Trichloroethene</b>        | <b>48</b> |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| Trichlorofluoromethane        | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| Vinyl chloride                | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |
| Dibromomethane                | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 13:57 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr)            | 99        |           | 70 - 130 |          | 08/21/17 13:57 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 97        |           | 70 - 130 |          | 08/21/17 13:57 | 1       |
| 4-Bromofluorobenzene (Surr)  | 101       |           | 70 - 130 |          | 08/21/17 13:57 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1015D-20170809-01**

**Lab Sample ID: 480-122520-4**

**Date Collected: 08/09/17 08:43**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 14:22 | 1       |
| 1,1,1-Trichloroethane       | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND     |           | 0.50 |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| 1,1,2-Trichloroethane       | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| 1,1-Dichloroethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| 1,1-Dichloroethene          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| 1,2,3-Trichlorobenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| 1,2,3-Trichloropropane      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| 1,2,4-Trichlorobenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| 1,2,4-Trimethylbenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| 1,3,5-Trimethylbenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| 1,3-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| 1,4-Dioxane                 | ND     |           | 50   |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| 2,2-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| 2-Butanone (MEK)            | ND     | *         | 10   |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| 2-Chlorotoluene             | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| 2-Hexanone                  | ND     | *         | 10   |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| 4-Chlorotoluene             | ND     | *         | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| 4-Isopropyltoluene          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 10   |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| Acetone                     | ND     |           | 50   |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| Benzene                     | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| Bromobenzene                | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| Bromoform                   | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| Bromomethane                | ND     |           | 2.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| Carbon disulfide            | ND     |           | 10   |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| Carbon tetrachloride        | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| Chlorobenzene               | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| Chlorobromomethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| Chlorodibromomethane        | ND     |           | 0.50 |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| Chloroethane                | ND     |           | 2.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| Chloroform                  | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| Chloromethane               | ND     | *         | 2.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.40 |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| Dichlorobromomethane        | ND     |           | 0.50 |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| Dichlorodifluoromethane     | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| Ethyl ether                 | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| Ethylbenzene                | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| Ethylene Dibromide          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| Hexachlorobutadiene         | ND     |           | 0.40 |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| Isopropyl ether             | ND     |           | 10   |     | ug/L |   |          | 08/21/17 14:22 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1015D-20170809-01**

**Lab Sample ID: 480-122520-4**

**Date Collected: 08/09/17 08:43**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 14:22 | 1       |
| Methyl tert-butyl ether   | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| Methylene Chloride        | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| m-Xylene & p-Xylene       | ND         |           | 2.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| Naphthalene               | ND         |           | 5.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| n-Butylbenzene            | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| N-Propylbenzene           | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| o-Xylene                  | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| sec-Butylbenzene          | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| Styrene                   | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| Tert-amyl methyl ether    | ND         |           | 5.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| Tert-butyl ethyl ether    | ND         |           | 5.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| tert-Butylbenzene         | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| <b>Tetrachloroethene</b>  | <b>2.0</b> |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| Tetrahydrofuran           | ND         |           | 10   |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| Toluene                   | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| trans-1,2-Dichloroethene  | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| trans-1,3-Dichloropropene | ND         |           | 0.40 |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| <b>Trichloroethene</b>    | <b>11</b>  |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| Trichlorofluoromethane    | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| Vinyl chloride            | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |
| Dibromomethane            | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 14:22 | 1       |

| Surrogate                           | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|-------------------------------------|-----------|-----------|----------|----------|----------------|---------|
| <i>Toluene-d8 (Surr)</i>            | 99        |           | 70 - 130 |          | 08/21/17 14:22 | 1       |
| <i>1,2-Dichloroethane-d4 (Surr)</i> | 99        |           | 70 - 130 |          | 08/21/17 14:22 | 1       |
| <i>4-Bromofluorobenzene (Surr)</i>  | 101       |           | 70 - 130 |          | 08/21/17 14:22 | 1       |

**Client Sample ID: MW-1022-20170809-01**

**Lab Sample ID: 480-122520-5**

**Date Collected: 08/09/17 09:10**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 14:47 | 1       |
| 1,1,1-Trichloroethane       | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND     |           | 0.50 |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| 1,1,2-Trichloroethane       | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| 1,1-Dichloroethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| 1,1-Dichloroethene          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| 1,2,3-Trichlorobenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| 1,2,3-Trichloropropane      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| 1,2,4-Trichlorobenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| 1,2,4-Trimethylbenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| 1,3,5-Trimethylbenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |

TestAmerica Buffalo



# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1022-20170809-01**

**Lab Sample ID: 480-122520-5**

**Date Collected: 08/09/17 09:10**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 14:47 | 1       |
| 1,3-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| 1,4-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| 1,4-Dioxane                 | ND        |           | 50   |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| 2,2-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| 2-Butanone (MEK)            | ND        | *         | 10   |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| 2-Chlorotoluene             | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| 2-Hexanone                  | ND        | *         | 10   |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| 4-Chlorotoluene             | ND        | *         | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| 4-Isopropyltoluene          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND        |           | 10   |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| <b>Acetone</b>              | <b>57</b> |           | 50   |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| Benzene                     | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| Bromobenzene                | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| Bromoform                   | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| Bromomethane                | ND        |           | 2.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| Carbon disulfide            | ND        |           | 10   |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| Carbon tetrachloride        | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| Chlorobenzene               | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| Chlorobromomethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| Chlorodibromomethane        | ND        |           | 0.50 |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| Chloroethane                | ND        |           | 2.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| Chloroform                  | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| Chloromethane               | ND        | *         | 2.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| cis-1,2-Dichloroethene      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| cis-1,3-Dichloropropene     | ND        |           | 0.40 |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| Dichlorobromomethane        | ND        |           | 0.50 |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| Dichlorodifluoromethane     | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| Ethyl ether                 | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| Ethylbenzene                | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| Ethylene Dibromide          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| Hexachlorobutadiene         | ND        |           | 0.40 |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| Isopropyl ether             | ND        |           | 10   |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| Isopropylbenzene            | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| Methyl tert-butyl ether     | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| Methylene Chloride          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| m-Xylene & p-Xylene         | ND        |           | 2.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| Naphthalene                 | ND        |           | 5.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| n-Butylbenzene              | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| N-Propylbenzene             | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| o-Xylene                    | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| sec-Butylbenzene            | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| Styrene                     | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| Tert-amyl methyl ether      | ND        |           | 5.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| Tert-butyl ethyl ether      | ND        |           | 5.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| tert-Butylbenzene           | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| Tetrachloroethene           | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| Tetrahydrofuran             | ND        |           | 10   |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| Toluene                     | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 14:47 | 1       |

TestAmerica Buffalo



# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1022-20170809-01**

**Lab Sample ID: 480-122520-5**

**Date Collected: 08/09/17 09:10**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 14:47 | 1       |
| trans-1,3-Dichloropropene    | ND         |           | 0.40     |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| <b>Trichloroethene</b>       | <b>2.4</b> |           | 1.0      |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| Trichlorofluoromethane       | ND         |           | 1.0      |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| Vinyl chloride               | ND         |           | 1.0      |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| Dibromomethane               | ND         |           | 1.0      |     | ug/L |   |          | 08/21/17 14:47 | 1       |
| Surrogate                    | %Recovery  | Qualifier | Limits   |     |      |   | Prepared | Analyzed       | Dil Fac |
| Toluene-d8 (Surr)            | 100        |           | 70 - 130 |     |      |   |          | 08/21/17 14:47 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 100        |           | 70 - 130 |     |      |   |          | 08/21/17 14:47 | 1       |
| 4-Bromofluorobenzene (Surr)  | 103        |           | 70 - 130 |     |      |   |          | 08/21/17 14:47 | 1       |

**Client Sample ID: MW-1030-20170809-01**

**Lab Sample ID: 480-122520-6**

**Date Collected: 08/09/17 09:50**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 15:12 | 1       |
| 1,1,1-Trichloroethane       | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND         |           | 0.50 |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| 1,1,2-Trichloroethane       | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| 1,1-Dichloroethane          | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| 1,1-Dichloroethene          | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| 1,1-Dichloropropene         | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| 1,2,3-Trichlorobenzene      | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| 1,2,3-Trichloropropane      | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| 1,2,4-Trichlorobenzene      | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| 1,2,4-Trimethylbenzene      | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND         |           | 5.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| 1,2-Dichlorobenzene         | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| 1,2-Dichloroethane          | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| 1,2-Dichloropropane         | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| 1,3,5-Trimethylbenzene      | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| 1,3-Dichlorobenzene         | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| 1,3-Dichloropropane         | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| 1,4-Dichlorobenzene         | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| 1,4-Dioxane                 | ND         |           | 50   |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| 2,2-Dichloropropane         | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| 2-Butanone (MEK)            | ND         | *         | 10   |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| 2-Chlorotoluene             | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| 2-Hexanone                  | ND         | *         | 10   |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| 4-Chlorotoluene             | ND         | *         | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| 4-Isopropyltoluene          | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND         |           | 10   |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| <b>Acetone</b>              | <b>100</b> |           | 50   |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| Benzene                     | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| Bromobenzene                | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| Bromoform                   | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| Bromomethane                | ND         |           | 2.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1030-20170809-01**

**Lab Sample ID: 480-122520-6**

**Date Collected: 08/09/17 09:50**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 15:12 | 1       |
| Carbon tetrachloride      | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| Chlorobenzene             | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| Chlorobromomethane        | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| Chlorodibromomethane      | ND         |           | 0.50 |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| Chloroethane              | ND         |           | 2.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| Chloroform                | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| Chloromethane             | ND         | *         | 2.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| cis-1,2-Dichloroethene    | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| cis-1,3-Dichloropropene   | ND         |           | 0.40 |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| Dichlorobromomethane      | ND         |           | 0.50 |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| Dichlorodifluoromethane   | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| Ethyl ether               | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| Ethylbenzene              | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| Ethylene Dibromide        | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| Hexachlorobutadiene       | ND         |           | 0.40 |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| Isopropyl ether           | ND         |           | 10   |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| Isopropylbenzene          | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| Methyl tert-butyl ether   | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| Methylene Chloride        | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| m-Xylene & p-Xylene       | ND         |           | 2.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| Naphthalene               | ND         |           | 5.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| n-Butylbenzene            | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| N-Propylbenzene           | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| o-Xylene                  | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| sec-Butylbenzene          | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| Styrene                   | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| Tert-amyl methyl ether    | ND         |           | 5.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| Tert-butyl ethyl ether    | ND         |           | 5.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| tert-Butylbenzene         | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| Tetrachloroethene         | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| Tetrahydrofuran           | ND         |           | 10   |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| Toluene                   | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| trans-1,2-Dichloroethene  | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| trans-1,3-Dichloropropene | ND         |           | 0.40 |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| <b>Trichloroethene</b>    | <b>2.3</b> |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| Trichlorofluoromethane    | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| Vinyl chloride            | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |
| Dibromomethane            | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 15:12 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr)            | 98        |           | 70 - 130 |          | 08/21/17 15:12 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 100       |           | 70 - 130 |          | 08/21/17 15:12 | 1       |
| 4-Bromofluorobenzene (Surr)  | 100       |           | 70 - 130 |          | 08/21/17 15:12 | 1       |

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1031-20170809-01**

**Lab Sample ID: 480-122520-7**

**Date Collected: 08/09/17 10:05**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 15:38 | 1       |
| 1,1,1-Trichloroethane       | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND        |           | 0.50 |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| 1,1,2-Trichloroethane       | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| 1,1-Dichloroethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| 1,1-Dichloroethene          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| 1,1-Dichloropropene         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| 1,2,3-Trichlorobenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| 1,2,3-Trichloropropane      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| 1,2,4-Trichlorobenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| 1,2,4-Trimethylbenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND        |           | 5.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| 1,2-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| 1,2-Dichloroethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| 1,2-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| 1,3,5-Trimethylbenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| 1,3-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| 1,3-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| 1,4-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| 1,4-Dioxane                 | ND        |           | 50   |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| 2,2-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| 2-Butanone (MEK)            | ND        | *         | 10   |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| 2-Chlorotoluene             | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| 2-Hexanone                  | ND        | *         | 10   |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| 4-Chlorotoluene             | ND        | *         | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| 4-Isopropyltoluene          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND        |           | 10   |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| <b>Acetone</b>              | <b>58</b> |           | 50   |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| Benzene                     | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| Bromobenzene                | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| Bromoform                   | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| Bromomethane                | ND        |           | 2.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| Carbon disulfide            | ND        |           | 10   |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| Carbon tetrachloride        | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| Chlorobenzene               | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| Chlorobromomethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| Chlorodibromomethane        | ND        |           | 0.50 |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| Chloroethane                | ND        |           | 2.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| Chloroform                  | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| Chloromethane               | ND        | *         | 2.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| cis-1,2-Dichloroethene      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| cis-1,3-Dichloropropene     | ND        |           | 0.40 |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| Dichlorobromomethane        | ND        |           | 0.50 |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| Dichlorodifluoromethane     | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| Ethyl ether                 | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| Ethylbenzene                | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| Ethylene Dibromide          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| Hexachlorobutadiene         | ND        |           | 0.40 |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| Isopropyl ether             | ND        |           | 10   |     | ug/L |   |          | 08/21/17 15:38 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1031-20170809-01**

**Lab Sample ID: 480-122520-7**

**Date Collected: 08/09/17 10:05**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 15:38 | 1       |
| Methyl tert-butyl ether   | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| Methylene Chloride        | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| m-Xylene & p-Xylene       | ND     |           | 2.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| Naphthalene               | ND     |           | 5.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| n-Butylbenzene            | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| N-Propylbenzene           | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| o-Xylene                  | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| sec-Butylbenzene          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| Styrene                   | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| Tert-amyl methyl ether    | ND     |           | 5.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| Tert-butyl ethyl ether    | ND     |           | 5.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| tert-Butylbenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| Tetrachloroethene         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| Tetrahydrofuran           | ND     |           | 10   |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| Toluene                   | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.40 |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| Trichloroethene           | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| Trichlorofluoromethane    | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| Vinyl chloride            | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |
| Dibromomethane            | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 15:38 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr)            | 99        |           | 70 - 130 |          | 08/21/17 15:38 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 99        |           | 70 - 130 |          | 08/21/17 15:38 | 1       |
| 4-Bromofluorobenzene (Surr)  | 99        |           | 70 - 130 |          | 08/21/17 15:38 | 1       |

**Client Sample ID: MW-1032-20170809-01**

**Lab Sample ID: 480-122520-8**

**Date Collected: 08/09/17 10:25**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 16:03 | 1       |
| 1,1,1-Trichloroethane       | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND         |           | 0.50 |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| 1,1,2-Trichloroethane       | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| <b>1,1-Dichloroethane</b>   | <b>1.7</b> |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| <b>1,1-Dichloroethene</b>   | <b>2.8</b> |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| 1,1-Dichloropropene         | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| 1,2,3-Trichlorobenzene      | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| 1,2,3-Trichloropropane      | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| 1,2,4-Trichlorobenzene      | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| 1,2,4-Trimethylbenzene      | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND         |           | 5.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| 1,2-Dichlorobenzene         | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| 1,2-Dichloroethane          | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| 1,2-Dichloropropane         | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| 1,3,5-Trimethylbenzene      | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1032-20170809-01**

**Lab Sample ID: 480-122520-8**

**Date Collected: 08/09/17 10:25**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 16:03 | 1       |
| 1,3-Dichloropropane            | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| 1,4-Dichlorobenzene            | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| 1,4-Dioxane                    | ND        |           | 50   |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| 2,2-Dichloropropane            | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| 2-Butanone (MEK)               | ND        | *         | 10   |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| 2-Chlorotoluene                | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| 2-Hexanone                     | ND        | *         | 10   |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| 4-Chlorotoluene                | ND        | *         | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| 4-Isopropyltoluene             | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| 4-Methyl-2-pentanone (MIBK)    | ND        |           | 10   |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| <b>Acetone</b>                 | <b>51</b> |           | 50   |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| Benzene                        | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| Bromobenzene                   | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| Bromoform                      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| Bromomethane                   | ND        |           | 2.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| Carbon disulfide               | ND        |           | 10   |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| Carbon tetrachloride           | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| Chlorobenzene                  | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| Chlorobromomethane             | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| Chlorodibromomethane           | ND        |           | 0.50 |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| Chloroethane                   | ND        |           | 2.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| Chloroform                     | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| Chloromethane                  | ND        | *         | 2.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| cis-1,2-Dichloroethene         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| cis-1,3-Dichloropropene        | ND        |           | 0.40 |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| Dichlorobromomethane           | ND        |           | 0.50 |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| Dichlorodifluoromethane        | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| Ethyl ether                    | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| Ethylbenzene                   | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| Ethylene Dibromide             | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| Hexachlorobutadiene            | ND        |           | 0.40 |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| Isopropyl ether                | ND        |           | 10   |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| Isopropylbenzene               | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| <b>Methyl tert-butyl ether</b> | <b>33</b> |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| Methylene Chloride             | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| m-Xylene & p-Xylene            | ND        |           | 2.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| Naphthalene                    | ND        |           | 5.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| n-Butylbenzene                 | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| N-Propylbenzene                | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| o-Xylene                       | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| sec-Butylbenzene               | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| Styrene                        | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| <b>Tert-amyl methyl ether</b>  | <b>17</b> |           | 5.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| Tert-butyl ethyl ether         | ND        |           | 5.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| tert-Butylbenzene              | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| Tetrachloroethene              | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| Tetrahydrofuran                | ND        |           | 10   |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| Toluene                        | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:03 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1032-20170809-01**

**Lab Sample ID: 480-122520-8**

Date Collected: 08/09/17 10:25

Matrix: Water

Date Received: 08/10/17 09:30

**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 |   |          | 08/21/17 16:03 | 1       |
| trans-1,3-Dichloropropene    | ND         |           | 0.40     |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| <b>Trichloroethene</b>       | <b>7.7</b> |           | 1.0      |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| Trichlorofluoromethane       | ND         |           | 1.0      |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| Vinyl chloride               | ND         |           | 1.0      |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| Dibromomethane               | ND         |           | 1.0      |     | ug/L |   |          | 08/21/17 16:03 | 1       |
| Surrogate                    | %Recovery  | Qualifier | Limits   |     |      |   | Prepared | Analyzed       | Dil Fac |
| Toluene-d8 (Surr)            | 98         |           | 70 - 130 |     |      |   |          | 08/21/17 16:03 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 101        |           | 70 - 130 |     |      |   |          | 08/21/17 16:03 | 1       |
| 4-Bromofluorobenzene (Surr)  | 99         |           | 70 - 130 |     |      |   |          | 08/21/17 16:03 | 1       |

**Client Sample ID: MW-1028-20170809-01**

**Lab Sample ID: 480-122520-9**

Date Collected: 08/09/17 11:10

Matrix: Water

Date Received: 08/10/17 09:30

**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 |   |          | 08/21/17 16:28 | 1       |
| 1,1,1-Trichloroethane       | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND        |           | 0.50 |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| 1,1,2-Trichloroethane       | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| 1,1-Dichloroethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| 1,1-Dichloroethene          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| 1,1-Dichloropropene         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| 1,2,3-Trichlorobenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| 1,2,3-Trichloropropane      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| 1,2,4-Trichlorobenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| 1,2,4-Trimethylbenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND        |           | 5.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| 1,2-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| 1,2-Dichloroethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| 1,2-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| 1,3,5-Trimethylbenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| 1,3-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| 1,3-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| 1,4-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| 1,4-Dioxane                 | ND        |           | 50   |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| 2,2-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| 2-Butanone (MEK)            | ND        | *         | 10   |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| 2-Chlorotoluene             | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| 2-Hexanone                  | ND        | *         | 10   |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| 4-Chlorotoluene             | ND        | *         | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| 4-Isopropyltoluene          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND        |           | 10   |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| <b>Acetone</b>              | <b>80</b> |           | 50   |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| Benzene                     | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| Bromobenzene                | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| Bromoform                   | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| Bromomethane                | ND        |           | 2.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1028-20170809-01**

**Lab Sample ID: 480-122520-9**

**Date Collected: 08/09/17 11:10**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 16:28 | 1       |
| Carbon tetrachloride      | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| Chlorobenzene             | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| Chlorobromomethane        | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| Chlorodibromomethane      | ND         |           | 0.50 |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| Chloroethane              | ND         |           | 2.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| Chloroform                | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| Chloromethane             | ND         | *         | 2.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| cis-1,2-Dichloroethene    | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| cis-1,3-Dichloropropene   | ND         |           | 0.40 |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| Dichlorobromomethane      | ND         |           | 0.50 |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| Dichlorodifluoromethane   | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| Ethyl ether               | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| Ethylbenzene              | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| Ethylene Dibromide        | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| Hexachlorobutadiene       | ND         |           | 0.40 |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| Isopropyl ether           | ND         |           | 10   |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| Isopropylbenzene          | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| Methyl tert-butyl ether   | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| Methylene Chloride        | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| m-Xylene & p-Xylene       | ND         |           | 2.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| Naphthalene               | ND         |           | 5.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| n-Butylbenzene            | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| N-Propylbenzene           | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| o-Xylene                  | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| sec-Butylbenzene          | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| Styrene                   | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| Tert-amyl methyl ether    | ND         |           | 5.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| Tert-butyl ethyl ether    | ND         |           | 5.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| tert-Butylbenzene         | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| Tetrachloroethene         | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| Tetrahydrofuran           | ND         |           | 10   |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| Toluene                   | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| trans-1,2-Dichloroethene  | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| trans-1,3-Dichloropropene | ND         |           | 0.40 |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| <b>Trichloroethene</b>    | <b>5.3</b> |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| Trichlorofluoromethane    | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| Vinyl chloride            | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |
| Dibromomethane            | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 16:28 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr)            | 100       |           | 70 - 130 |          | 08/21/17 16:28 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 98        |           | 70 - 130 |          | 08/21/17 16:28 | 1       |
| 4-Bromofluorobenzene (Surr)  | 101       |           | 70 - 130 |          | 08/21/17 16:28 | 1       |

TestAmerica Buffalo



# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1027-20170809-01**

**Lab Sample ID: 480-122520-10**

**Date Collected: 08/09/17 11:30**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 17:19 | 1       |
| 1,1,1-Trichloroethane       | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND     |           | 0.50 |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| 1,1,2-Trichloroethane       | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| 1,1-Dichloroethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| 1,1-Dichloroethene          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| 1,2,3-Trichlorobenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| 1,2,3-Trichloropropane      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| 1,2,4-Trichlorobenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| 1,2,4-Trimethylbenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| 1,3,5-Trimethylbenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| 1,3-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| 1,4-Dioxane                 | ND     |           | 50   |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| 2,2-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| 2-Butanone (MEK)            | ND     | *         | 10   |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| 2-Chlorotoluene             | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| 2-Hexanone                  | ND     | *         | 10   |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| 4-Chlorotoluene             | ND     | *         | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| 4-Isopropyltoluene          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 10   |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| Acetone                     | ND     |           | 50   |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| Benzene                     | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| Bromobenzene                | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| Bromoform                   | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| Bromomethane                | ND     |           | 2.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| Carbon disulfide            | ND     |           | 10   |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| Carbon tetrachloride        | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| Chlorobenzene               | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| Chlorobromomethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| Chlorodibromomethane        | ND     |           | 0.50 |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| Chloroethane                | ND     |           | 2.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| Chloroform                  | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| Chloromethane               | ND     | *         | 2.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.40 |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| Dichlorobromomethane        | ND     |           | 0.50 |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| Dichlorodifluoromethane     | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| Ethyl ether                 | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| Ethylbenzene                | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| Ethylene Dibromide          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| Hexachlorobutadiene         | ND     |           | 0.40 |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| Isopropyl ether             | ND     |           | 10   |     | ug/L |   |          | 08/21/17 17:19 | 1       |

TestAmerica Buffalo



# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1027-20170809-01**

**Lab Sample ID: 480-122520-10**

**Date Collected: 08/09/17 11:30**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 17:19 | 1       |
| Methyl tert-butyl ether   | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| Methylene Chloride        | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| m-Xylene & p-Xylene       | ND     |           | 2.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| Naphthalene               | ND     |           | 5.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| n-Butylbenzene            | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| N-Propylbenzene           | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| o-Xylene                  | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| sec-Butylbenzene          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| Styrene                   | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| Tert-amyl methyl ether    | ND     |           | 5.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| Tert-butyl ethyl ether    | ND     |           | 5.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| tert-Butylbenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| Tetrachloroethene         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| Tetrahydrofuran           | ND     |           | 10   |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| Toluene                   | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.40 |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| Trichloroethene           | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| Trichlorofluoromethane    | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| Vinyl chloride            | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |
| Dibromomethane            | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:19 | 1       |

| Surrogate                           | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|-------------------------------------|-----------|-----------|----------|----------|----------------|---------|
| <i>Toluene-d8 (Surr)</i>            | 100       |           | 70 - 130 |          | 08/21/17 17:19 | 1       |
| <i>1,2-Dichloroethane-d4 (Surr)</i> | 98        |           | 70 - 130 |          | 08/21/17 17:19 | 1       |
| <i>4-Bromofluorobenzene (Surr)</i>  | 102       |           | 70 - 130 |          | 08/21/17 17:19 | 1       |

**Client Sample ID: MW-1033-20170809-01**

**Lab Sample ID: 480-122520-11**

**Date Collected: 08/09/17 11:50**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 17:44 | 1       |
| 1,1,1-Trichloroethane       | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND     |           | 0.50 |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| 1,1,2-Trichloroethane       | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| 1,1-Dichloroethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| 1,1-Dichloroethene          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| 1,2,3-Trichlorobenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| 1,2,3-Trichloropropane      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| 1,2,4-Trichlorobenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| 1,2,4-Trimethylbenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| 1,3,5-Trimethylbenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1033-20170809-01**

**Lab Sample ID: 480-122520-11**

**Date Collected: 08/09/17 11:50**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 17:44 | 1       |
| 1,3-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| 1,4-Dioxane                 | ND     |           | 50   |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| 2,2-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| 2-Butanone (MEK)            | ND     | *         | 10   |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| 2-Chlorotoluene             | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| 2-Hexanone                  | ND     | *         | 10   |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| 4-Chlorotoluene             | ND     | *         | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| 4-Isopropyltoluene          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 10   |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| Acetone                     | ND     |           | 50   |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| Benzene                     | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| Bromobenzene                | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| Bromoform                   | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| Bromomethane                | ND     |           | 2.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| Carbon disulfide            | ND     |           | 10   |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| Carbon tetrachloride        | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| Chlorobenzene               | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| Chlorobromomethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| Chlorodibromomethane        | ND     |           | 0.50 |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| Chloroethane                | ND     |           | 2.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| Chloroform                  | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| Chloromethane               | ND     | *         | 2.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.40 |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| Dichlorobromomethane        | ND     |           | 0.50 |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| Dichlorodifluoromethane     | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| Ethyl ether                 | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| Ethylbenzene                | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| Ethylene Dibromide          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| Hexachlorobutadiene         | ND     |           | 0.40 |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| Isopropyl ether             | ND     |           | 10   |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| Isopropylbenzene            | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| Methyl tert-butyl ether     | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| Methylene Chloride          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| m-Xylene & p-Xylene         | ND     |           | 2.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| Naphthalene                 | ND     |           | 5.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| n-Butylbenzene              | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| N-Propylbenzene             | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| o-Xylene                    | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| sec-Butylbenzene            | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| Styrene                     | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| Tert-amyl methyl ether      | ND     |           | 5.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| Tert-butyl ethyl ether      | ND     |           | 5.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| tert-Butylbenzene           | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| Tetrachloroethene           | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| Tetrahydrofuran             | ND     |           | 10   |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| Toluene                     | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1033-20170809-01**

**Lab Sample ID: 480-122520-11**

**Date Collected: 08/09/17 11:50**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 17:44 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.40 |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| Trichloroethene           | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| Trichlorofluoromethane    | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| Vinyl chloride            | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |
| Dibromomethane            | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 17:44 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr)            | 99        |           | 70 - 130 |          | 08/21/17 17:44 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 98        |           | 70 - 130 |          | 08/21/17 17:44 | 1       |
| 4-Bromofluorobenzene (Surr)  | 100       |           | 70 - 130 |          | 08/21/17 17:44 | 1       |

**Client Sample ID: MW-1013-20170809-01**

**Lab Sample ID: 480-122520-12**

**Date Collected: 08/09/17 08:49**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 18:09 | 1       |
| 1,1,1-Trichloroethane       | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND     |           | 0.50 |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| 1,1,2-Trichloroethane       | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| 1,1-Dichloroethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| 1,1-Dichloroethene          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| 1,2,3-Trichlorobenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| 1,2,3-Trichloropropane      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| 1,2,4-Trichlorobenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| 1,2,4-Trimethylbenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| 1,3,5-Trimethylbenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| 1,3-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| 1,4-Dioxane                 | ND     |           | 50   |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| 2,2-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| 2-Butanone (MEK)            | ND     | *         | 10   |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| 2-Chlorotoluene             | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| 2-Hexanone                  | ND     | *         | 10   |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| 4-Chlorotoluene             | ND     | *         | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| 4-Isopropyltoluene          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 10   |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| Acetone                     | 58     |           | 50   |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| Benzene                     | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| Bromobenzene                | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| Bromoform                   | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| Bromomethane                | ND     |           | 2.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1013-20170809-01**

**Lab Sample ID: 480-122520-12**

**Date Collected: 08/09/17 08:49**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 18:09 | 1       |
| Carbon tetrachloride          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| Chlorobenzene                 | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| Chlorobromomethane            | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| Chlorodibromomethane          | ND        |           | 0.50 |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| Chloroethane                  | ND        |           | 2.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| Chloroform                    | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| Chloromethane                 | ND        | *         | 2.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| <b>cis-1,2-Dichloroethene</b> | <b>21</b> |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| cis-1,3-Dichloropropene       | ND        |           | 0.40 |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| Dichlorobromomethane          | ND        |           | 0.50 |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| Dichlorodifluoromethane       | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| Ethyl ether                   | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| Ethylbenzene                  | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| Ethylene Dibromide            | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| Hexachlorobutadiene           | ND        |           | 0.40 |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| Isopropyl ether               | ND        |           | 10   |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| Isopropylbenzene              | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| Methyl tert-butyl ether       | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| Methylene Chloride            | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| m-Xylene & p-Xylene           | ND        |           | 2.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| Naphthalene                   | ND        |           | 5.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| n-Butylbenzene                | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| N-Propylbenzene               | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| o-Xylene                      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| sec-Butylbenzene              | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| Styrene                       | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| Tert-amyl methyl ether        | ND        |           | 5.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| Tert-butyl ethyl ether        | ND        |           | 5.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| tert-Butylbenzene             | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| Tetrachloroethene             | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| Tetrahydrofuran               | ND        |           | 10   |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| Toluene                       | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| trans-1,2-Dichloroethene      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| trans-1,3-Dichloropropene     | ND        |           | 0.40 |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| <b>Trichloroethene</b>        | <b>43</b> |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| Trichlorofluoromethane        | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| Vinyl chloride                | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |
| Dibromomethane                | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:09 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr)            | 100       |           | 70 - 130 |          | 08/21/17 18:09 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 101       |           | 70 - 130 |          | 08/21/17 18:09 | 1       |
| 4-Bromofluorobenzene (Surr)  | 99        |           | 70 - 130 |          | 08/21/17 18:09 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1014-20170809-01**

**Lab Sample ID: 480-122520-13**

**Date Collected: 08/09/17 08:57**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 18:35 | 1       |
| 1,1,1-Trichloroethane       | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND        |           | 0.50 |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| 1,1,2-Trichloroethane       | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| 1,1-Dichloroethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| 1,1-Dichloroethene          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| 1,1-Dichloropropene         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| 1,2,3-Trichlorobenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| 1,2,3-Trichloropropane      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| 1,2,4-Trichlorobenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| 1,2,4-Trimethylbenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND        |           | 5.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| 1,2-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| 1,2-Dichloroethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| 1,2-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| 1,3,5-Trimethylbenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| 1,3-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| 1,3-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| 1,4-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| 1,4-Dioxane                 | ND        |           | 50   |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| 2,2-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| 2-Butanone (MEK)            | ND        | *         | 10   |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| 2-Chlorotoluene             | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| 2-Hexanone                  | ND        | *         | 10   |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| 4-Chlorotoluene             | ND        | *         | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| 4-Isopropyltoluene          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND        |           | 10   |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| <b>Acetone</b>              | <b>62</b> |           | 50   |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| Benzene                     | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| Bromobenzene                | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| Bromoform                   | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| Bromomethane                | ND        |           | 2.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| Carbon disulfide            | ND        |           | 10   |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| Carbon tetrachloride        | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| Chlorobenzene               | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| Chlorobromomethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| Chlorodibromomethane        | ND        |           | 0.50 |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| Chloroethane                | ND        |           | 2.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| Chloroform                  | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| Chloromethane               | ND        | *         | 2.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| cis-1,2-Dichloroethene      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| cis-1,3-Dichloropropene     | ND        |           | 0.40 |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| Dichlorobromomethane        | ND        |           | 0.50 |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| Dichlorodifluoromethane     | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| Ethyl ether                 | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| Ethylbenzene                | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| Ethylene Dibromide          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| Hexachlorobutadiene         | ND        |           | 0.40 |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| Isopropyl ether             | ND        |           | 10   |     | ug/L |   |          | 08/21/17 18:35 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1014-20170809-01**

**Lab Sample ID: 480-122520-13**

**Date Collected: 08/09/17 08:57**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 18:35 | 1       |
| Methyl tert-butyl ether   | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| Methylene Chloride        | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| m-Xylene & p-Xylene       | ND         |           | 2.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| Naphthalene               | ND         |           | 5.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| n-Butylbenzene            | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| N-Propylbenzene           | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| o-Xylene                  | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| sec-Butylbenzene          | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| Styrene                   | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| Tert-amyl methyl ether    | ND         |           | 5.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| Tert-butyl ethyl ether    | ND         |           | 5.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| tert-Butylbenzene         | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| Tetrachloroethene         | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| Tetrahydrofuran           | ND         |           | 10   |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| Toluene                   | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| trans-1,2-Dichloroethene  | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| trans-1,3-Dichloropropene | ND         |           | 0.40 |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| <b>Trichloroethene</b>    | <b>3.2</b> |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| Trichlorofluoromethane    | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| Vinyl chloride            | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |
| Dibromomethane            | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 18:35 | 1       |

| Surrogate                           | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|-------------------------------------|-----------|-----------|----------|----------|----------------|---------|
| <i>Toluene-d8 (Surr)</i>            | 99        |           | 70 - 130 |          | 08/21/17 18:35 | 1       |
| <i>1,2-Dichloroethane-d4 (Surr)</i> | 101       |           | 70 - 130 |          | 08/21/17 18:35 | 1       |
| <i>4-Bromofluorobenzene (Surr)</i>  | 101       |           | 70 - 130 |          | 08/21/17 18:35 | 1       |

**Client Sample ID: MW-1008-20170809-01**

**Lab Sample ID: 480-122520-14**

**Date Collected: 08/09/17 09:16**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 19:00 | 1       |
| 1,1,1-Trichloroethane       | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND     |           | 0.50 |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| 1,1,2-Trichloroethane       | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| 1,1-Dichloroethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| 1,1-Dichloroethene          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| 1,2,3-Trichlorobenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| 1,2,3-Trichloropropane      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| 1,2,4-Trichlorobenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| 1,2,4-Trimethylbenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| 1,3,5-Trimethylbenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1008-20170809-01**

**Lab Sample ID: 480-122520-14**

**Date Collected: 08/09/17 09:16**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 19:00 | 1       |
| 1,3-Dichloropropane           | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| 1,4-Dichlorobenzene           | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| 1,4-Dioxane                   | ND         |           | 50   |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| 2,2-Dichloropropane           | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| 2-Butanone (MEK)              | ND         | *         | 10   |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| 2-Chlorotoluene               | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| 2-Hexanone                    | ND         | *         | 10   |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| 4-Chlorotoluene               | ND         | *         | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| 4-Isopropyltoluene            | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| 4-Methyl-2-pentanone (MIBK)   | ND         |           | 10   |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| <b>Acetone</b>                | <b>70</b>  |           | 50   |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| Benzene                       | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| Bromobenzene                  | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| Bromoform                     | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| Bromomethane                  | ND         |           | 2.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| Carbon disulfide              | ND         |           | 10   |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| Carbon tetrachloride          | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| Chlorobenzene                 | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| Chlorobromomethane            | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| Chlorodibromomethane          | ND         |           | 0.50 |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| Chloroethane                  | ND         |           | 2.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| Chloroform                    | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| Chloromethane                 | ND         | *         | 2.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| <b>cis-1,2-Dichloroethene</b> | <b>6.0</b> |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| cis-1,3-Dichloropropene       | ND         |           | 0.40 |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| Dichlorobromomethane          | ND         |           | 0.50 |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| Dichlorodifluoromethane       | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| Ethyl ether                   | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| Ethylbenzene                  | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| Ethylene Dibromide            | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| Hexachlorobutadiene           | ND         |           | 0.40 |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| Isopropyl ether               | ND         |           | 10   |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| Isopropylbenzene              | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| Methyl tert-butyl ether       | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| Methylene Chloride            | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| m-Xylene & p-Xylene           | ND         |           | 2.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| Naphthalene                   | ND         |           | 5.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| n-Butylbenzene                | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| N-Propylbenzene               | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| o-Xylene                      | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| sec-Butylbenzene              | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| Styrene                       | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| Tert-amyl methyl ether        | ND         |           | 5.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| Tert-butyl ethyl ether        | ND         |           | 5.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| tert-Butylbenzene             | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| Tetrachloroethene             | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| Tetrahydrofuran               | ND         |           | 10   |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| Toluene                       | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |

TestAmerica Buffalo



# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1008-20170809-01**

**Lab Sample ID: 480-122520-14**

**Date Collected: 08/09/17 09:16**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 19:00 | 1       |
| trans-1,3-Dichloropropene | ND         |           | 0.40 |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| <b>Trichloroethene</b>    | <b>6.9</b> |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| Trichlorofluoromethane    | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| Vinyl chloride            | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |
| Dibromomethane            | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:00 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr)            | 100       |           | 70 - 130 |          | 08/21/17 19:00 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 99        |           | 70 - 130 |          | 08/21/17 19:00 | 1       |
| 4-Bromofluorobenzene (Surr)  | 100       |           | 70 - 130 |          | 08/21/17 19:00 | 1       |

**Client Sample ID: MW-1005-20170809-01**

**Lab Sample ID: 480-122520-15**

**Date Collected: 08/09/17 09:36**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 19:25 | 1       |
| 1,1,1-Trichloroethane       | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND        |           | 0.50 |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| 1,1,2-Trichloroethane       | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| 1,1-Dichloroethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| 1,1-Dichloroethene          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| 1,1-Dichloropropene         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| 1,2,3-Trichlorobenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| 1,2,3-Trichloropropane      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| 1,2,4-Trichlorobenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| 1,2,4-Trimethylbenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND        |           | 5.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| 1,2-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| 1,2-Dichloroethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| 1,2-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| 1,3,5-Trimethylbenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| 1,3-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| 1,3-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| 1,4-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| 1,4-Dioxane                 | ND        |           | 50   |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| 2,2-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| 2-Butanone (MEK)            | ND        | *         | 10   |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| 2-Chlorotoluene             | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| 2-Hexanone                  | ND        | *         | 10   |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| 4-Chlorotoluene             | ND        | *         | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| 4-Isopropyltoluene          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND        |           | 10   |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| <b>Acetone</b>              | <b>67</b> |           | 50   |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| Benzene                     | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| Bromobenzene                | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| Bromoform                   | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| Bromomethane                | ND        |           | 2.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |

TestAmerica Buffalo



# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1005-20170809-01**

**Lab Sample ID: 480-122520-15**

**Date Collected: 08/09/17 09:36**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 19:25 | 1       |
| Carbon tetrachloride      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| Chlorobenzene             | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| Chlorobromomethane        | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| Chlorodibromomethane      | ND     |           | 0.50 |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| Chloroethane              | ND     |           | 2.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| Chloroform                | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| Chloromethane             | ND     | *         | 2.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| cis-1,2-Dichloroethene    | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| cis-1,3-Dichloropropene   | ND     |           | 0.40 |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| Dichlorobromomethane      | ND     |           | 0.50 |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| Dichlorodifluoromethane   | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| Ethyl ether               | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| Ethylbenzene              | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| Ethylene Dibromide        | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| Hexachlorobutadiene       | ND     |           | 0.40 |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| Isopropyl ether           | ND     |           | 10   |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| Isopropylbenzene          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| Methyl tert-butyl ether   | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| Methylene Chloride        | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| m-Xylene & p-Xylene       | ND     |           | 2.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| Naphthalene               | ND     |           | 5.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| n-Butylbenzene            | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| N-Propylbenzene           | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| o-Xylene                  | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| sec-Butylbenzene          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| Styrene                   | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| Tert-amyl methyl ether    | ND     |           | 5.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| Tert-butyl ethyl ether    | ND     |           | 5.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| tert-Butylbenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| Tetrachloroethene         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| Tetrahydrofuran           | ND     |           | 10   |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| Toluene                   | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.40 |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| Trichloroethene           | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| Trichlorofluoromethane    | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| Vinyl chloride            | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |
| Dibromomethane            | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 19:25 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr)            | 99        |           | 70 - 130 |          | 08/21/17 19:25 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 99        |           | 70 - 130 |          | 08/21/17 19:25 | 1       |
| 4-Bromofluorobenzene (Surr)  | 100       |           | 70 - 130 |          | 08/21/17 19:25 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1004-20170809-01**

**Lab Sample ID: 480-122520-16**

**Date Collected: 08/09/17 09:53**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 19:50 | 1       |
| 1,1,1-Trichloroethane         | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| 1,1,2,2-Tetrachloroethane     | ND         |           | 0.50 |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| 1,1,2-Trichloroethane         | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| 1,1-Dichloroethane            | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| 1,1-Dichloroethene            | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| 1,1-Dichloropropene           | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| 1,2,3-Trichlorobenzene        | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| 1,2,3-Trichloropropane        | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| 1,2,4-Trichlorobenzene        | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| 1,2,4-Trimethylbenzene        | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| 1,2-Dibromo-3-Chloropropane   | ND         |           | 5.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| 1,2-Dichlorobenzene           | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| 1,2-Dichloroethane            | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| 1,2-Dichloropropane           | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| 1,3,5-Trimethylbenzene        | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| 1,3-Dichlorobenzene           | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| 1,3-Dichloropropane           | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| 1,4-Dichlorobenzene           | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| 1,4-Dioxane                   | ND         |           | 50   |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| 2,2-Dichloropropane           | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| 2-Butanone (MEK)              | ND         | *         | 10   |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| 2-Chlorotoluene               | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| 2-Hexanone                    | ND         | *         | 10   |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| 4-Chlorotoluene               | ND         | *         | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| 4-Isopropyltoluene            | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| 4-Methyl-2-pentanone (MIBK)   | ND         |           | 10   |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| <b>Acetone</b>                | <b>66</b>  |           | 50   |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| Benzene                       | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| Bromobenzene                  | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| Bromoform                     | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| Bromomethane                  | ND         |           | 2.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| Carbon disulfide              | ND         |           | 10   |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| Carbon tetrachloride          | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| Chlorobenzene                 | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| Chlorobromomethane            | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| Chlorodibromomethane          | ND         |           | 0.50 |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| Chloroethane                  | ND         |           | 2.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| Chloroform                    | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| Chloromethane                 | ND         | *         | 2.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| <b>cis-1,2-Dichloroethene</b> | <b>2.9</b> |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| cis-1,3-Dichloropropene       | ND         |           | 0.40 |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| Dichlorobromomethane          | ND         |           | 0.50 |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| Dichlorodifluoromethane       | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| Ethyl ether                   | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| Ethylbenzene                  | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| Ethylene Dibromide            | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| Hexachlorobutadiene           | ND         |           | 0.40 |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| Isopropyl ether               | ND         |           | 10   |     | ug/L |   |          | 08/21/17 19:50 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1004-20170809-01**

**Lab Sample ID: 480-122520-16**

**Date Collected: 08/09/17 09:53**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 19:50 | 1       |
| Methyl tert-butyl ether   | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| Methylene Chloride        | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| m-Xylene & p-Xylene       | ND         |           | 2.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| Naphthalene               | ND         |           | 5.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| n-Butylbenzene            | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| N-Propylbenzene           | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| o-Xylene                  | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| sec-Butylbenzene          | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| Styrene                   | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| Tert-amyl methyl ether    | ND         |           | 5.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| Tert-butyl ethyl ether    | ND         |           | 5.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| tert-Butylbenzene         | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| Tetrachloroethene         | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| Tetrahydrofuran           | ND         |           | 10   |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| Toluene                   | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| trans-1,2-Dichloroethene  | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| trans-1,3-Dichloropropene | ND         |           | 0.40 |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| <b>Trichloroethene</b>    | <b>6.1</b> |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| Trichlorofluoromethane    | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| Vinyl chloride            | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |
| Dibromomethane            | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 19:50 | 1       |

| Surrogate                           | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|-------------------------------------|-----------|-----------|----------|----------|----------------|---------|
| <i>Toluene-d8 (Surr)</i>            | 99        |           | 70 - 130 |          | 08/21/17 19:50 | 1       |
| <i>1,2-Dichloroethane-d4 (Surr)</i> | 100       |           | 70 - 130 |          | 08/21/17 19:50 | 1       |
| <i>4-Bromofluorobenzene (Surr)</i>  | 100       |           | 70 - 130 |          | 08/21/17 19:50 | 1       |

**Client Sample ID: MW-1003-20170809-01**

**Lab Sample ID: 480-122520-17**

**Date Collected: 08/09/17 10:11**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 20:15 | 1       |
| 1,1,1-Trichloroethane       | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND     |           | 0.50 |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| 1,1,2-Trichloroethane       | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| 1,1-Dichloroethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| 1,1-Dichloroethene          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| 1,2,3-Trichlorobenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| 1,2,3-Trichloropropane      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| 1,2,4-Trichlorobenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| 1,2,4-Trimethylbenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| 1,3,5-Trimethylbenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1003-20170809-01**

**Lab Sample ID: 480-122520-17**

**Date Collected: 08/09/17 10:11**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 20:15 | 1       |
| 1,3-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| 1,4-Dioxane                 | ND     |           | 50   |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| 2,2-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| 2-Butanone (MEK)            | ND     | *         | 10   |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| 2-Chlorotoluene             | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| 2-Hexanone                  | ND     | *         | 10   |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| 4-Chlorotoluene             | ND     | *         | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| 4-Isopropyltoluene          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 10   |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| Acetone                     | ND     |           | 50   |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| Benzene                     | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| Bromobenzene                | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| Bromoform                   | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| Bromomethane                | ND     |           | 2.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| Carbon disulfide            | ND     |           | 10   |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| Carbon tetrachloride        | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| Chlorobenzene               | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| Chlorobromomethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| Chlorodibromomethane        | ND     |           | 0.50 |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| Chloroethane                | ND     |           | 2.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| Chloroform                  | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| Chloromethane               | ND     | *         | 2.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.40 |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| Dichlorobromomethane        | ND     |           | 0.50 |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| Dichlorodifluoromethane     | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| Ethyl ether                 | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| Ethylbenzene                | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| Ethylene Dibromide          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| Hexachlorobutadiene         | ND     |           | 0.40 |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| Isopropyl ether             | ND     |           | 10   |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| Isopropylbenzene            | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| Methyl tert-butyl ether     | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| Methylene Chloride          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| m-Xylene & p-Xylene         | ND     |           | 2.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| Naphthalene                 | ND     |           | 5.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| n-Butylbenzene              | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| N-Propylbenzene             | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| o-Xylene                    | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| sec-Butylbenzene            | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| Styrene                     | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| Tert-amyl methyl ether      | ND     |           | 5.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| Tert-butyl ethyl ether      | ND     |           | 5.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| tert-Butylbenzene           | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| Tetrachloroethene           | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| Tetrahydrofuran             | ND     |           | 10   |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| Toluene                     | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1003-20170809-01**

**Lab Sample ID: 480-122520-17**

**Date Collected: 08/09/17 10:11**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 20:15 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.40 |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| Trichloroethene           | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| Trichlorofluoromethane    | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| Vinyl chloride            | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |
| Dibromomethane            | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 20:15 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr)            | 99        |           | 70 - 130 |          | 08/21/17 20:15 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 96        |           | 70 - 130 |          | 08/21/17 20:15 | 1       |
| 4-Bromofluorobenzene (Surr)  | 100       |           | 70 - 130 |          | 08/21/17 20:15 | 1       |

**Client Sample ID: MW-1002B-20170809-01**

**Lab Sample ID: 480-122520-18**

**Date Collected: 08/09/17 10:26**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 16:53 | 1       |
| 1,1,1-Trichloroethane       | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND        |           | 0.50 |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| 1,1,2-Trichloroethane       | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| 1,1-Dichloroethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| 1,1-Dichloroethene          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| 1,1-Dichloropropene         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| 1,2,3-Trichlorobenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| 1,2,3-Trichloropropane      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| 1,2,4-Trichlorobenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| 1,2,4-Trimethylbenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND        |           | 5.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| 1,2-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| 1,2-Dichloroethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| 1,2-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| 1,3,5-Trimethylbenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| 1,3-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| 1,3-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| 1,4-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| 1,4-Dioxane                 | ND        |           | 50   |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| 2,2-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| 2-Butanone (MEK)            | ND        | *         | 10   |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| 2-Chlorotoluene             | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| 2-Hexanone                  | ND        | *         | 10   |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| 4-Chlorotoluene             | ND        | *         | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| 4-Isopropyltoluene          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND        |           | 10   |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| <b>Acetone</b>              | <b>81</b> |           | 50   |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| Benzene                     | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| Bromobenzene                | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| Bromoform                   | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| Bromomethane                | ND        |           | 2.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1002B-20170809-01**

**Lab Sample ID: 480-122520-18**

**Date Collected: 08/09/17 10:26**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 16:53 | 1       |
| Carbon tetrachloride      | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| Chlorobenzene             | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| Chlorobromomethane        | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| Chlorodibromomethane      | ND     |           | 0.50 |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| Chloroethane              | ND     |           | 2.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| Chloroform                | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| Chloromethane             | ND     | *         | 2.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| cis-1,2-Dichloroethene    | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| cis-1,3-Dichloropropene   | ND     |           | 0.40 |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| Dichlorobromomethane      | ND     |           | 0.50 |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| Dichlorodifluoromethane   | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| Ethyl ether               | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| Ethylbenzene              | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| Ethylene Dibromide        | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| Hexachlorobutadiene       | ND     |           | 0.40 |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| Isopropyl ether           | ND     |           | 10   |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| Isopropylbenzene          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| Methyl tert-butyl ether   | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| Methylene Chloride        | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| m-Xylene & p-Xylene       | ND     |           | 2.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| Naphthalene               | ND     |           | 5.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| n-Butylbenzene            | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| N-Propylbenzene           | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| o-Xylene                  | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| sec-Butylbenzene          | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| Styrene                   | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| Tert-amyl methyl ether    | ND     |           | 5.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| Tert-butyl ethyl ether    | ND     |           | 5.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| tert-Butylbenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| Tetrachloroethene         | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| Tetrahydrofuran           | ND     |           | 10   |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| Toluene                   | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.40 |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| Trichloroethene           | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| Trichlorofluoromethane    | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| Vinyl chloride            | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |
| Dibromomethane            | ND     |           | 1.0  |     | ug/L |   |          | 08/21/17 16:53 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr)            | 99        |           | 70 - 130 |          | 08/21/17 16:53 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 103       |           | 70 - 130 |          | 08/21/17 16:53 | 1       |
| 4-Bromofluorobenzene (Surr)  | 101       |           | 70 - 130 |          | 08/21/17 16:53 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1001M-20170809-01**

**Lab Sample ID: 480-122520-19**

**Date Collected: 08/09/17 10:48**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 20:41 | 1       |
| 1,1,1-Trichloroethane         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| 1,1,2,2-Tetrachloroethane     | ND        |           | 0.50 |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| 1,1,2-Trichloroethane         | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| 1,1-Dichloroethane            | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| 1,1-Dichloroethene            | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| 1,1-Dichloropropene           | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| 1,2,3-Trichlorobenzene        | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| 1,2,3-Trichloropropane        | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| 1,2,4-Trichlorobenzene        | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| 1,2,4-Trimethylbenzene        | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| 1,2-Dibromo-3-Chloropropane   | ND        |           | 5.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| 1,2-Dichlorobenzene           | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| 1,2-Dichloroethane            | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| 1,2-Dichloropropane           | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| 1,3,5-Trimethylbenzene        | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| 1,3-Dichlorobenzene           | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| 1,3-Dichloropropane           | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| 1,4-Dichlorobenzene           | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| 1,4-Dioxane                   | ND        |           | 50   |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| 2,2-Dichloropropane           | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| 2-Butanone (MEK)              | ND        | *         | 10   |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| 2-Chlorotoluene               | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| 2-Hexanone                    | ND        | *         | 10   |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| 4-Chlorotoluene               | ND        | *         | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| 4-Isopropyltoluene            | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| 4-Methyl-2-pentanone (MIBK)   | ND        |           | 10   |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| <b>Acetone</b>                | <b>63</b> |           | 50   |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| Benzene                       | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| Bromobenzene                  | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| Bromoform                     | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| Bromomethane                  | ND        |           | 2.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| Carbon disulfide              | ND        |           | 10   |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| Carbon tetrachloride          | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| Chlorobenzene                 | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| Chlorobromomethane            | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| Chlorodibromomethane          | ND        |           | 0.50 |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| Chloroethane                  | ND        |           | 2.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| Chloroform                    | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| Chloromethane                 | ND        | *         | 2.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| <b>cis-1,2-Dichloroethene</b> | <b>17</b> |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| cis-1,3-Dichloropropene       | ND        |           | 0.40 |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| Dichlorobromomethane          | ND        |           | 0.50 |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| Dichlorodifluoromethane       | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| Ethyl ether                   | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| Ethylbenzene                  | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| Ethylene Dibromide            | ND        |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| Hexachlorobutadiene           | ND        |           | 0.40 |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| Isopropyl ether               | ND        |           | 10   |     | ug/L |   |          | 08/21/17 20:41 | 1       |

TestAmerica Buffalo



# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1001M-20170809-01**

**Lab Sample ID: 480-122520-19**

**Date Collected: 08/09/17 10:48**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/21/17 20:41 | 1       |
| Methyl tert-butyl ether   | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| Methylene Chloride        | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| m-Xylene & p-Xylene       | ND         |           | 2.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| Naphthalene               | ND         |           | 5.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| n-Butylbenzene            | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| N-Propylbenzene           | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| o-Xylene                  | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| sec-Butylbenzene          | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| Styrene                   | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| Tert-amyl methyl ether    | ND         |           | 5.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| Tert-butyl ethyl ether    | ND         |           | 5.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| tert-Butylbenzene         | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| Tetrachloroethene         | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| Tetrahydrofuran           | ND         |           | 10   |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| Toluene                   | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| trans-1,2-Dichloroethene  | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| trans-1,3-Dichloropropene | ND         |           | 0.40 |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| <b>Trichloroethene</b>    | <b>6.1</b> |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| Trichlorofluoromethane    | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| Vinyl chloride            | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |
| Dibromomethane            | ND         |           | 1.0  |     | ug/L |   |          | 08/21/17 20:41 | 1       |

| Surrogate                           | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|-------------------------------------|-----------|-----------|----------|----------|----------------|---------|
| <i>Toluene-d8 (Surr)</i>            | 99        |           | 70 - 130 |          | 08/21/17 20:41 | 1       |
| <i>1,2-Dichloroethane-d4 (Surr)</i> | 99        |           | 70 - 130 |          | 08/21/17 20:41 | 1       |
| <i>4-Bromofluorobenzene (Surr)</i>  | 101       |           | 70 - 130 |          | 08/21/17 20:41 | 1       |

**Client Sample ID: MW-1001B-20170809-01**

**Lab Sample ID: 480-122520-20**

**Date Collected: 08/09/17 11:00**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 01:25 | 1       |
| 1,1,1-Trichloroethane       | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND     |           | 0.50 |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| 1,1,2-Trichloroethane       | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| 1,1-Dichloroethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| 1,1-Dichloroethene          | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| 1,2,3-Trichlorobenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| 1,2,3-Trichloropropane      | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| 1,2,4-Trichlorobenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| 1,2,4-Trimethylbenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| 1,3,5-Trimethylbenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1001B-20170809-01**

**Lab Sample ID: 480-122520-20**

**Date Collected: 08/09/17 11:00**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 01:25 | 1       |
| 1,3-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| 1,4-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| 1,4-Dioxane                 | ND        |           | 50   |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| 2,2-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| 2-Butanone (MEK)            | ND        | *         | 10   |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| 2-Chlorotoluene             | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| 2-Hexanone                  | ND        | *         | 10   |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| 4-Chlorotoluene             | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| 4-Isopropyltoluene          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND        |           | 10   |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| <b>Acetone</b>              | <b>52</b> |           | 50   |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| Benzene                     | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| Bromobenzene                | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| Bromoform                   | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| Bromomethane                | ND        |           | 2.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| Carbon disulfide            | ND        |           | 10   |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| Carbon tetrachloride        | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| Chlorobenzene               | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| Chlorobromomethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| Chlorodibromomethane        | ND        |           | 0.50 |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| Chloroethane                | ND        |           | 2.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| Chloroform                  | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| Chloromethane               | ND        | *         | 2.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| cis-1,2-Dichloroethene      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| cis-1,3-Dichloropropene     | ND        |           | 0.40 |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| Dichlorobromomethane        | ND        |           | 0.50 |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| Dichlorodifluoromethane     | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| Ethyl ether                 | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| Ethylbenzene                | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| Ethylene Dibromide          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| Hexachlorobutadiene         | ND        |           | 0.40 |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| Isopropyl ether             | ND        |           | 10   |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| Isopropylbenzene            | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| Methyl tert-butyl ether     | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| Methylene Chloride          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| m-Xylene & p-Xylene         | ND        |           | 2.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| Naphthalene                 | ND        |           | 5.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| n-Butylbenzene              | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| N-Propylbenzene             | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| o-Xylene                    | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| sec-Butylbenzene            | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| Styrene                     | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| Tert-amyl methyl ether      | ND        |           | 5.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| Tert-butyl ethyl ether      | ND        |           | 5.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| tert-Butylbenzene           | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| Tetrachloroethene           | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| Tetrahydrofuran             | ND        |           | 10   |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| Toluene                     | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1001B-20170809-01**

**Lab Sample ID: 480-122520-20**

**Date Collected: 08/09/17 11:00**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 01:25 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.40 |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| Trichloroethene           | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| Trichlorofluoromethane    | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| Vinyl chloride            | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |
| Dibromomethane            | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:25 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr)            | 99        |           | 70 - 130 |          | 08/22/17 01:25 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 99        |           | 70 - 130 |          | 08/22/17 01:25 | 1       |
| 4-Bromofluorobenzene (Surr)  | 100       |           | 70 - 130 |          | 08/22/17 01:25 | 1       |

**Client Sample ID: MW-1025M-20170809-01**

**Lab Sample ID: 480-122520-21**

**Date Collected: 08/09/17 11:20**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 01:09 | 1       |
| 1,1,1-Trichloroethane       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND         |           | 0.50 |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| 1,1,2-Trichloroethane       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| <b>1,1-Dichloroethane</b>   | <b>1.1</b> |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| <b>1,1-Dichloroethene</b>   | <b>3.6</b> |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| 1,1-Dichloropropene         | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| 1,2,3-Trichlorobenzene      | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| 1,2,3-Trichloropropane      | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| 1,2,4-Trichlorobenzene      | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| 1,2,4-Trimethylbenzene      | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| 1,2-Dichlorobenzene         | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| 1,2-Dichloroethane          | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| 1,2-Dichloropropane         | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| 1,3,5-Trimethylbenzene      | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| 1,3-Dichlorobenzene         | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| 1,3-Dichloropropane         | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| 1,4-Dichlorobenzene         | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| 1,4-Dioxane                 | ND         |           | 50   |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| 2,2-Dichloropropane         | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| 2-Butanone (MEK)            | ND         |           | 10   |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| 2-Chlorotoluene             | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| 2-Hexanone                  | ND         |           | 10   |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| 4-Chlorotoluene             | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| 4-Isopropyltoluene          | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND         |           | 10   |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| <b>Acetone</b>              | <b>110</b> |           | 50   |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| Benzene                     | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| Bromobenzene                | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| Bromoform                   | ND *       |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| Bromomethane                | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1025M-20170809-01**

**Lab Sample ID: 480-122520-21**

**Date Collected: 08/09/17 11:20**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 01:09 | 1       |
| Carbon tetrachloride           | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| Chlorobenzene                  | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| Chlorobromomethane             | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| Chlorodibromomethane           | ND         |           | 0.50 |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| Chloroethane                   | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| Chloroform                     | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| Chloromethane                  | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| <b>cis-1,2-Dichloroethene</b>  | <b>6.0</b> |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| cis-1,3-Dichloropropene        | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| Dichlorobromomethane           | ND         |           | 0.50 |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| Dichlorodifluoromethane        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| Ethyl ether                    | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| Ethylbenzene                   | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| Ethylene Dibromide             | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| Hexachlorobutadiene            | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| Isopropyl ether                | ND         |           | 10   |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| Isopropylbenzene               | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| <b>Methyl tert-butyl ether</b> | <b>3.4</b> |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| Methylene Chloride             | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| m-Xylene & p-Xylene            | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| Naphthalene                    | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| n-Butylbenzene                 | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| N-Propylbenzene                | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| o-Xylene                       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| sec-Butylbenzene               | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| Styrene                        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| Tert-amyl methyl ether         | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| Tert-butyl ethyl ether         | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| tert-Butylbenzene              | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| Tetrachloroethene              | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| Tetrahydrofuran                | ND *       |           | 10   |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| Toluene                        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| trans-1,2-Dichloroethene       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| trans-1,3-Dichloropropene      | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| <b>Trichloroethene</b>         | <b>50</b>  |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| Trichlorofluoromethane         | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| Vinyl chloride                 | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |
| Dibromomethane                 | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 01:09 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr)            | 100       |           | 70 - 130 |          | 08/22/17 01:09 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 105       |           | 70 - 130 |          | 08/22/17 01:09 | 1       |
| 4-Bromofluorobenzene (Surr)  | 98        |           | 70 - 130 |          | 08/22/17 01:09 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1025D-20170809-01**

**Lab Sample ID: 480-122520-22**

**Date Collected: 08/09/17 11:27**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 01:33 | 1       |
| 1,1,1-Trichloroethane       | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND        |           | 0.50 |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| 1,1,2-Trichloroethane       | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| 1,1-Dichloroethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| 1,1-Dichloroethene          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| 1,1-Dichloropropene         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| 1,2,3-Trichlorobenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| 1,2,3-Trichloropropane      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| 1,2,4-Trichlorobenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| 1,2,4-Trimethylbenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND        |           | 5.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| 1,2-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| 1,2-Dichloroethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| 1,2-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| 1,3,5-Trimethylbenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| 1,3-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| 1,3-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| 1,4-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| 1,4-Dioxane                 | ND        |           | 50   |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| 2,2-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| 2-Butanone (MEK)            | ND        |           | 10   |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| 2-Chlorotoluene             | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| 2-Hexanone                  | ND        |           | 10   |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| 4-Chlorotoluene             | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| 4-Isopropyltoluene          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND        |           | 10   |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| <b>Acetone</b>              | <b>76</b> |           | 50   |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| Benzene                     | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| Bromobenzene                | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| Bromoform                   | ND *      |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| Bromomethane                | ND        |           | 2.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| Carbon disulfide            | ND        |           | 10   |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| Carbon tetrachloride        | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| Chlorobenzene               | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| Chlorobromomethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| Chlorodibromomethane        | ND        |           | 0.50 |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| Chloroethane                | ND        |           | 2.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| Chloroform                  | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| Chloromethane               | ND        |           | 2.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| cis-1,2-Dichloroethene      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| cis-1,3-Dichloropropene     | ND        |           | 0.40 |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| Dichlorobromomethane        | ND        |           | 0.50 |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| Dichlorodifluoromethane     | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| Ethyl ether                 | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| Ethylbenzene                | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| Ethylene Dibromide          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| Hexachlorobutadiene         | ND        |           | 0.40 |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| Isopropyl ether             | ND        |           | 10   |     | ug/L |   |          | 08/22/17 01:33 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1025D-20170809-01**

**Lab Sample ID: 480-122520-22**

**Date Collected: 08/09/17 11:27**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 01:33 | 1       |
| Methyl tert-butyl ether   | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| Methylene Chloride        | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| m-Xylene & p-Xylene       | ND     |           | 2.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| Naphthalene               | ND     |           | 5.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| n-Butylbenzene            | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| N-Propylbenzene           | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| o-Xylene                  | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| sec-Butylbenzene          | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| Styrene                   | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| Tert-amyl methyl ether    | ND     |           | 5.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| Tert-butyl ethyl ether    | ND     |           | 5.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| tert-Butylbenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| Tetrachloroethene         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| Tetrahydrofuran           | ND     | *         | 10   |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| Toluene                   | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.40 |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| Trichloroethene           | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| Trichlorofluoromethane    | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| Vinyl chloride            | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |
| Dibromomethane            | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:33 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr)            | 98        |           | 70 - 130 |          | 08/22/17 01:33 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 103       |           | 70 - 130 |          | 08/22/17 01:33 | 1       |
| 4-Bromofluorobenzene (Surr)  | 98        |           | 70 - 130 |          | 08/22/17 01:33 | 1       |

**Client Sample ID: MW-1034-20170809-01**

**Lab Sample ID: 480-122520-23**

**Date Collected: 08/09/17 12:20**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 01:50 | 1       |
| 1,1,1-Trichloroethane       | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND     |           | 0.50 |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| 1,1,2-Trichloroethane       | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| 1,1-Dichloroethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| 1,1-Dichloroethene          | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| 1,2,3-Trichlorobenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| 1,2,3-Trichloropropane      | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| 1,2,4-Trichlorobenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| 1,2,4-Trimethylbenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| 1,3,5-Trimethylbenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1034-20170809-01**

**Lab Sample ID: 480-122520-23**

**Date Collected: 08/09/17 12:20**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 01:50 | 1       |
| 1,3-Dichloropropane           | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| 1,4-Dichlorobenzene           | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| 1,4-Dioxane                   | ND        |           | 50   |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| 2,2-Dichloropropane           | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| 2-Butanone (MEK)              | ND        | *         | 10   |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| 2-Chlorotoluene               | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| 2-Hexanone                    | ND        | *         | 10   |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| 4-Chlorotoluene               | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| 4-Isopropyltoluene            | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| 4-Methyl-2-pentanone (MIBK)   | ND        |           | 10   |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| <b>Acetone</b>                | <b>68</b> |           | 50   |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| Benzene                       | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| Bromobenzene                  | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| Bromoform                     | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| Bromomethane                  | ND        |           | 2.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| Carbon disulfide              | ND        |           | 10   |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| Carbon tetrachloride          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| Chlorobenzene                 | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| Chlorobromomethane            | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| Chlorodibromomethane          | ND        |           | 0.50 |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| Chloroethane                  | ND        |           | 2.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| Chloroform                    | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| Chloromethane                 | ND        | *         | 2.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| <b>cis-1,2-Dichloroethene</b> | <b>13</b> |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| cis-1,3-Dichloropropene       | ND        |           | 0.40 |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| Dichlorobromomethane          | ND        |           | 0.50 |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| Dichlorodifluoromethane       | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| Ethyl ether                   | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| Ethylbenzene                  | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| Ethylene Dibromide            | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| Hexachlorobutadiene           | ND        |           | 0.40 |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| Isopropyl ether               | ND        |           | 10   |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| Isopropylbenzene              | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| Methyl tert-butyl ether       | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| Methylene Chloride            | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| m-Xylene & p-Xylene           | ND        |           | 2.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| Naphthalene                   | ND        |           | 5.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| n-Butylbenzene                | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| N-Propylbenzene               | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| o-Xylene                      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| sec-Butylbenzene              | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| Styrene                       | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| Tert-amyl methyl ether        | ND        |           | 5.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| Tert-butyl ethyl ether        | ND        |           | 5.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| tert-Butylbenzene             | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| Tetrachloroethene             | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| Tetrahydrofuran               | ND        |           | 10   |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| Toluene                       | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 01:50 | 1       |

TestAmerica Buffalo



# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1034-20170809-01**

**Lab Sample ID: 480-122520-23**

Date Collected: 08/09/17 12:20

Matrix: Water

Date Received: 08/10/17 09:30

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

| Analyte                         | Result     | Qualifier | RL       | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------|------------|-----------|----------|-----|------|---|----------|----------------|---------|
| <b>trans-1,2-Dichloroethene</b> | <b>1.7</b> |           | 1.0      |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| trans-1,3-Dichloropropene       | ND         |           | 0.40     |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| <b>Trichloroethene</b>          | <b>39</b>  |           | 1.0      |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| Trichlorofluoromethane          | ND         |           | 1.0      |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| Vinyl chloride                  | ND         |           | 1.0      |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| Dibromomethane                  | ND         |           | 1.0      |     | ug/L |   |          | 08/22/17 01:50 | 1       |
| Surrogate                       | %Recovery  | Qualifier | Limits   |     |      |   | Prepared | Analyzed       | Dil Fac |
| Toluene-d8 (Surr)               | 100        |           | 70 - 130 |     |      |   |          | 08/22/17 01:50 | 1       |
| 1,2-Dichloroethane-d4 (Surr)    | 98         |           | 70 - 130 |     |      |   |          | 08/22/17 01:50 | 1       |
| 4-Bromofluorobenzene (Surr)     | 100        |           | 70 - 130 |     |      |   |          | 08/22/17 01:50 | 1       |

**Client Sample ID: DUP-004-20170809-01**

**Lab Sample ID: 480-122520-24**

Date Collected: 08/09/17 00:04

Matrix: Water

Date Received: 08/10/17 09:30

**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 |   |          | 08/22/17 02:16 | 1       |
| 1,1,1-Trichloroethane       | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND        |           | 0.50 |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| 1,1,2-Trichloroethane       | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| 1,1-Dichloroethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| 1,1-Dichloroethene          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| 1,1-Dichloropropene         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| 1,2,3-Trichlorobenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| 1,2,3-Trichloropropane      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| 1,2,4-Trichlorobenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| 1,2,4-Trimethylbenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND        |           | 5.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| 1,2-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| 1,2-Dichloroethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| 1,2-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| 1,3,5-Trimethylbenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| 1,3-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| 1,3-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| 1,4-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| 1,4-Dioxane                 | ND        |           | 50   |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| 2,2-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| 2-Butanone (MEK)            | ND        | *         | 10   |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| 2-Chlorotoluene             | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| 2-Hexanone                  | ND        | *         | 10   |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| 4-Chlorotoluene             | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| 4-Isopropyltoluene          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND        |           | 10   |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| <b>Acetone</b>              | <b>71</b> |           | 50   |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| Benzene                     | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| Bromobenzene                | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| Bromoform                   | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| Bromomethane                | ND        |           | 2.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: DUP-004-20170809-01**

**Lab Sample ID: 480-122520-24**

**Date Collected: 08/09/17 00:04**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 02:16 | 1       |
| Carbon tetrachloride            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| Chlorobenzene                   | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| Chlorobromomethane              | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| Chlorodibromomethane            | ND         |           | 0.50 |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| Chloroethane                    | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| Chloroform                      | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| Chloromethane                   | ND         | *         | 2.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| <b>cis-1,2-Dichloroethene</b>   | <b>14</b>  |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| cis-1,3-Dichloropropene         | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| Dichlorobromomethane            | ND         |           | 0.50 |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| Dichlorodifluoromethane         | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| Ethyl ether                     | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| Ethylbenzene                    | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| Ethylene Dibromide              | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| Hexachlorobutadiene             | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| Isopropyl ether                 | ND         |           | 10   |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| Isopropylbenzene                | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| Methyl tert-butyl ether         | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| Methylene Chloride              | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| m-Xylene & p-Xylene             | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| Naphthalene                     | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| n-Butylbenzene                  | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| N-Propylbenzene                 | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| o-Xylene                        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| sec-Butylbenzene                | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| Styrene                         | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| Tert-amyl methyl ether          | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| Tert-butyl ethyl ether          | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| tert-Butylbenzene               | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| Tetrachloroethene               | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| Tetrahydrofuran                 | ND         |           | 10   |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| Toluene                         | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| <b>trans-1,2-Dichloroethene</b> | <b>1.7</b> |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| trans-1,3-Dichloropropene       | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| <b>Trichloroethene</b>          | <b>41</b>  |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| Trichlorofluoromethane          | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| Vinyl chloride                  | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |
| Dibromomethane                  | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:16 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr)            | 99        |           | 70 - 130 |          | 08/22/17 02:16 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 99        |           | 70 - 130 |          | 08/22/17 02:16 | 1       |
| 4-Bromofluorobenzene (Surr)  | 102       |           | 70 - 130 |          | 08/22/17 02:16 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1018-20170809-01**

**Lab Sample ID: 480-122520-25**

**Date Collected: 08/09/17 13:40**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 02:41 | 1       |
| <b>1,1,1-Trichloroethane</b> | <b>2.2</b> |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| 1,1,2,2-Tetrachloroethane    | ND         |           | 0.50 |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| 1,1,2-Trichloroethane        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| 1,1-Dichloroethane           | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| 1,1-Dichloroethene           | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| 1,1-Dichloropropene          | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| 1,2,3-Trichlorobenzene       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| 1,2,3-Trichloropropane       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| 1,2,4-Trichlorobenzene       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| 1,2,4-Trimethylbenzene       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| 1,2-Dibromo-3-Chloropropane  | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| 1,2-Dichlorobenzene          | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| 1,2-Dichloroethane           | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| 1,2-Dichloropropane          | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| 1,3,5-Trimethylbenzene       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| 1,3-Dichlorobenzene          | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| 1,3-Dichloropropane          | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| 1,4-Dichlorobenzene          | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| 1,4-Dioxane                  | ND         |           | 50   |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| 2,2-Dichloropropane          | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| 2-Butanone (MEK)             | ND *       |           | 10   |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| 2-Chlorotoluene              | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| 2-Hexanone                   | ND *       |           | 10   |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| 4-Chlorotoluene              | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| 4-Isopropyltoluene           | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| 4-Methyl-2-pentanone (MIBK)  | ND         |           | 10   |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| <b>Acetone</b>               | <b>55</b>  |           | 50   |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| Benzene                      | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| Bromobenzene                 | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| Bromoform                    | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| Bromomethane                 | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| Carbon disulfide             | ND         |           | 10   |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| Carbon tetrachloride         | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| Chlorobenzene                | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| Chlorobromomethane           | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| Chlorodibromomethane         | ND         |           | 0.50 |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| Chloroethane                 | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| Chloroform                   | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| Chloromethane                | ND *       |           | 2.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| cis-1,2-Dichloroethene       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| cis-1,3-Dichloropropene      | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| Dichlorobromomethane         | ND         |           | 0.50 |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| Dichlorodifluoromethane      | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| Ethyl ether                  | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| Ethylbenzene                 | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| Ethylene Dibromide           | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| Hexachlorobutadiene          | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| Isopropyl ether              | ND         |           | 10   |     | ug/L |   |          | 08/22/17 02:41 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1018-20170809-01**

**Lab Sample ID: 480-122520-25**

**Date Collected: 08/09/17 13:40**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 02:41 | 1       |
| <b>Methyl tert-butyl ether</b> | <b>1.1</b> |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| Methylene Chloride             | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| m-Xylene & p-Xylene            | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| Naphthalene                    | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| n-Butylbenzene                 | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| N-Propylbenzene                | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| o-Xylene                       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| sec-Butylbenzene               | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| Styrene                        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| Tert-amyl methyl ether         | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| Tert-butyl ethyl ether         | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| tert-Butylbenzene              | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| Tetrachloroethene              | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| Tetrahydrofuran                | ND         |           | 10   |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| Toluene                        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| trans-1,2-Dichloroethene       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| trans-1,3-Dichloropropene      | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| <b>Trichloroethene</b>         | <b>9.9</b> |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| Trichlorofluoromethane         | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| Vinyl chloride                 | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |
| Dibromomethane                 | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 02:41 | 1       |

| Surrogate                           | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|-------------------------------------|-----------|-----------|----------|----------|----------------|---------|
| <i>Toluene-d8 (Surr)</i>            | 99        |           | 70 - 130 |          | 08/22/17 02:41 | 1       |
| <i>1,2-Dichloroethane-d4 (Surr)</i> | 99        |           | 70 - 130 |          | 08/22/17 02:41 | 1       |
| <i>4-Bromofluorobenzene (Surr)</i>  | 101       |           | 70 - 130 |          | 08/22/17 02:41 | 1       |

**Client Sample ID: MW-1035-20170809-01**

**Lab Sample ID: 480-122520-26**

**Date Collected: 08/09/17 13:55**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 03:06 | 1       |
| <b>1,1,1-Trichloroethane</b> | <b>11</b> |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| 1,1,1,2,2-Tetrachloroethane  | ND        |           | 0.50 |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| 1,1,2-Trichloroethane        | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| 1,1-Dichloroethane           | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| 1,1-Dichloroethene           | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| 1,1-Dichloropropene          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| 1,2,3-Trichlorobenzene       | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| 1,2,3-Trichloropropane       | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| 1,2,4-Trichlorobenzene       | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| 1,2,4-Trimethylbenzene       | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| 1,2-Dibromo-3-Chloropropane  | ND        |           | 5.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| 1,2-Dichlorobenzene          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| 1,2-Dichloroethane           | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| 1,2-Dichloropropane          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| 1,3,5-Trimethylbenzene       | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1035-20170809-01**

**Lab Sample ID: 480-122520-26**

**Date Collected: 08/09/17 13:55**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 03:06 | 1       |
| 1,3-Dichloropropane            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| 1,4-Dichlorobenzene            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| 1,4-Dioxane                    | ND         |           | 50   |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| 2,2-Dichloropropane            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| 2-Butanone (MEK)               | ND         | *         | 10   |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| 2-Chlorotoluene                | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| 2-Hexanone                     | ND         | *         | 10   |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| 4-Chlorotoluene                | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| 4-Isopropyltoluene             | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| 4-Methyl-2-pentanone (MIBK)    | ND         |           | 10   |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| <b>Acetone</b>                 | <b>67</b>  |           | 50   |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| Benzene                        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| Bromobenzene                   | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| Bromoform                      | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| Bromomethane                   | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| Carbon disulfide               | ND         |           | 10   |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| Carbon tetrachloride           | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| Chlorobenzene                  | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| Chlorobromomethane             | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| Chlorodibromomethane           | ND         |           | 0.50 |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| Chloroethane                   | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| Chloroform                     | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| Chloromethane                  | ND         | *         | 2.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| cis-1,2-Dichloroethene         | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| cis-1,3-Dichloropropene        | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| Dichlorobromomethane           | ND         |           | 0.50 |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| Dichlorodifluoromethane        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| Ethyl ether                    | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| Ethylbenzene                   | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| Ethylene Dibromide             | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| Hexachlorobutadiene            | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| Isopropyl ether                | ND         |           | 10   |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| Isopropylbenzene               | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| <b>Methyl tert-butyl ether</b> | <b>5.9</b> |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| Methylene Chloride             | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| m-Xylene & p-Xylene            | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| Naphthalene                    | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| n-Butylbenzene                 | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| N-Propylbenzene                | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| o-Xylene                       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| sec-Butylbenzene               | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| Styrene                        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| <b>Tert-amyl methyl ether</b>  | <b>5.2</b> |           | 5.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| Tert-butyl ethyl ether         | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| tert-Butylbenzene              | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| Tetrachloroethene              | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| Tetrahydrofuran                | ND         |           | 10   |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| Toluene                        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1035-20170809-01**

**Lab Sample ID: 480-122520-26**

Date Collected: 08/09/17 13:55

Matrix: Water

Date Received: 08/10/17 09:30

**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 |   |          | 08/22/17 03:06 | 1       |
| trans-1,3-Dichloropropene | ND        |           | 0.40 |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| <b>Trichloroethene</b>    | <b>50</b> |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| Trichlorofluoromethane    | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| Vinyl chloride            | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |
| Dibromomethane            | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:06 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr)            | 98        |           | 70 - 130 |          | 08/22/17 03:06 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 100       |           | 70 - 130 |          | 08/22/17 03:06 | 1       |
| 4-Bromofluorobenzene (Surr)  | 99        |           | 70 - 130 |          | 08/22/17 03:06 | 1       |

**Client Sample ID: MW-1036-20170809-01**

**Lab Sample ID: 480-122520-27**

Date Collected: 08/09/17 14:10

Matrix: Water

Date Received: 08/10/17 09:30

**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 |   |          | 08/22/17 03:32 | 1       |
| 1,1,1-Trichloroethane       | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND        |           | 0.50 |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| 1,1,2-Trichloroethane       | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| 1,1-Dichloroethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| 1,1-Dichloroethene          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| 1,1-Dichloropropene         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| 1,2,3-Trichlorobenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| 1,2,3-Trichloropropane      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| 1,2,4-Trichlorobenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| 1,2,4-Trimethylbenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND        |           | 5.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| 1,2-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| 1,2-Dichloroethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| 1,2-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| 1,3,5-Trimethylbenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| 1,3-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| 1,3-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| 1,4-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| 1,4-Dioxane                 | ND        |           | 50   |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| 2,2-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| 2-Butanone (MEK)            | ND        | *         | 10   |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| 2-Chlorotoluene             | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| 2-Hexanone                  | ND        | *         | 10   |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| 4-Chlorotoluene             | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| 4-Isopropyltoluene          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND        |           | 10   |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| <b>Acetone</b>              | <b>56</b> |           | 50   |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| Benzene                     | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| Bromobenzene                | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| Bromoform                   | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| Bromomethane                | ND        |           | 2.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1036-20170809-01**

**Lab Sample ID: 480-122520-27**

**Date Collected: 08/09/17 14:10**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 03:32 | 1       |
| Carbon tetrachloride          | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| Chlorobenzene                 | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| Chlorobromomethane            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| Chlorodibromomethane          | ND         |           | 0.50 |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| Chloroethane                  | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| Chloroform                    | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| Chloromethane                 | ND         | *         | 2.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| <b>cis-1,2-Dichloroethene</b> | <b>1.9</b> |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| cis-1,3-Dichloropropene       | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| Dichlorobromomethane          | ND         |           | 0.50 |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| Dichlorodifluoromethane       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| Ethyl ether                   | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| Ethylbenzene                  | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| Ethylene Dibromide            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| Hexachlorobutadiene           | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| Isopropyl ether               | ND         |           | 10   |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| Isopropylbenzene              | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| Methyl tert-butyl ether       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| Methylene Chloride            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| m-Xylene & p-Xylene           | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| Naphthalene                   | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| n-Butylbenzene                | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| N-Propylbenzene               | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| o-Xylene                      | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| sec-Butylbenzene              | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| Styrene                       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| Tert-amyl methyl ether        | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| Tert-butyl ethyl ether        | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| tert-Butylbenzene             | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| Tetrachloroethene             | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| Tetrahydrofuran               | ND         |           | 10   |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| Toluene                       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| trans-1,2-Dichloroethene      | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| trans-1,3-Dichloropropene     | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| <b>Trichloroethene</b>        | <b>4.1</b> |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| Trichlorofluoromethane        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| Vinyl chloride                | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |
| Dibromomethane                | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:32 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr)            | 97        |           | 70 - 130 |          | 08/22/17 03:32 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 101       |           | 70 - 130 |          | 08/22/17 03:32 | 1       |
| 4-Bromofluorobenzene (Surr)  | 100       |           | 70 - 130 |          | 08/22/17 03:32 | 1       |

TestAmerica Buffalo



# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: DUP-005-20170809-01**

**Lab Sample ID: 480-122520-28**

**Date Collected: 08/09/17 00:05**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 03:57 | 1       |
| 1,1,1-Trichloroethane         | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| 1,1,2,2-Tetrachloroethane     | ND         |           | 0.50 |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| 1,1,2-Trichloroethane         | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| 1,1-Dichloroethane            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| 1,1-Dichloroethene            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| 1,1-Dichloropropene           | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| 1,2,3-Trichlorobenzene        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| 1,2,3-Trichloropropane        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| 1,2,4-Trichlorobenzene        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| 1,2,4-Trimethylbenzene        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| 1,2-Dibromo-3-Chloropropane   | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| 1,2-Dichlorobenzene           | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| 1,2-Dichloroethane            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| 1,2-Dichloropropane           | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| 1,3,5-Trimethylbenzene        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| 1,3-Dichlorobenzene           | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| 1,3-Dichloropropane           | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| 1,4-Dichlorobenzene           | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| 1,4-Dioxane                   | ND         |           | 50   |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| 2,2-Dichloropropane           | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| 2-Butanone (MEK)              | ND         | *         | 10   |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| 2-Chlorotoluene               | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| 2-Hexanone                    | ND         | *         | 10   |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| 4-Chlorotoluene               | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| 4-Isopropyltoluene            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| 4-Methyl-2-pentanone (MIBK)   | ND         |           | 10   |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| <b>Acetone</b>                | <b>57</b>  |           | 50   |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| Benzene                       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| Bromobenzene                  | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| Bromoform                     | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| Bromomethane                  | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| Carbon disulfide              | ND         |           | 10   |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| Carbon tetrachloride          | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| Chlorobenzene                 | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| Chlorobromomethane            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| Chlorodibromomethane          | ND         |           | 0.50 |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| Chloroethane                  | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| Chloroform                    | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| Chloromethane                 | ND         | *         | 2.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| <b>cis-1,2-Dichloroethene</b> | <b>1.9</b> |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| cis-1,3-Dichloropropene       | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| Dichlorobromomethane          | ND         |           | 0.50 |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| Dichlorodifluoromethane       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| Ethyl ether                   | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| Ethylbenzene                  | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| Ethylene Dibromide            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| Hexachlorobutadiene           | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| Isopropyl ether               | ND         |           | 10   |     | ug/L |   |          | 08/22/17 03:57 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: DUP-005-20170809-01**

**Lab Sample ID: 480-122520-28**

**Date Collected: 08/09/17 00:05**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 03:57 | 1       |
| Methyl tert-butyl ether   | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| Methylene Chloride        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| m-Xylene & p-Xylene       | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| Naphthalene               | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| n-Butylbenzene            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| N-Propylbenzene           | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| o-Xylene                  | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| sec-Butylbenzene          | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| Styrene                   | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| Tert-amyl methyl ether    | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| Tert-butyl ethyl ether    | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| tert-Butylbenzene         | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| Tetrachloroethene         | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| Tetrahydrofuran           | ND         |           | 10   |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| Toluene                   | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| trans-1,2-Dichloroethene  | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| trans-1,3-Dichloropropene | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| <b>Trichloroethene</b>    | <b>3.7</b> |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| Trichlorofluoromethane    | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| Vinyl chloride            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |
| Dibromomethane            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 03:57 | 1       |

| Surrogate                           | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|-------------------------------------|-----------|-----------|----------|----------|----------------|---------|
| <i>Toluene-d8 (Surr)</i>            | 98        |           | 70 - 130 |          | 08/22/17 03:57 | 1       |
| <i>1,2-Dichloroethane-d4 (Surr)</i> | 99        |           | 70 - 130 |          | 08/22/17 03:57 | 1       |
| <i>4-Bromofluorobenzene (Surr)</i>  | 99        |           | 70 - 130 |          | 08/22/17 03:57 | 1       |

**Client Sample ID: MW-1037-20170809-01**

**Lab Sample ID: 480-122520-29**

**Date Collected: 08/09/17 14:31**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

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

| Analyte                      | Result     | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------------|------------|-----------|-----|-----|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane    | ND         |           | 2.0 |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| <b>1,1,1-Trichloroethane</b> | <b>85</b>  |           | 2.0 |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| 1,1,2,2-Tetrachloroethane    | ND         |           | 1.0 |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| 1,1,2-Trichloroethane        | ND         |           | 2.0 |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| 1,1-Dichloroethane           | ND         |           | 2.0 |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| <b>1,1-Dichloroethene</b>    | <b>4.2</b> |           | 2.0 |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| 1,1-Dichloropropene          | ND         |           | 2.0 |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| 1,2,3-Trichlorobenzene       | ND         |           | 2.0 |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| 1,2,3-Trichloropropane       | ND         |           | 2.0 |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| 1,2,4-Trichlorobenzene       | ND         |           | 2.0 |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| 1,2,4-Trimethylbenzene       | ND         |           | 2.0 |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| 1,2-Dibromo-3-Chloropropane  | ND         |           | 10  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| 1,2-Dichlorobenzene          | ND         |           | 2.0 |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| 1,2-Dichloroethane           | ND         |           | 2.0 |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| 1,2-Dichloropropane          | ND         |           | 2.0 |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| 1,3,5-Trimethylbenzene       | ND         |           | 2.0 |     | ug/L |   |          | 08/22/17 17:14 | 2       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1037-20170809-01**

**Lab Sample ID: 480-122520-29**

**Date Collected: 08/09/17 14:31**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

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

| Analyte                     | Result     | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|------------|-----------|------|-----|------|---|----------|----------------|---------|
| 1,3-Dichlorobenzene         | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| 1,3-Dichloropropane         | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| 1,4-Dichlorobenzene         | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| 1,4-Dioxane                 | ND         |           | 100  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| 2,2-Dichloropropane         | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| 2-Butanone (MEK)            | ND         |           | 20   |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| 2-Chlorotoluene             | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| 2-Hexanone                  | ND         |           | 20   |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| 4-Chlorotoluene             | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| 4-Isopropyltoluene          | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| 4-Methyl-2-pentanone (MIBK) | ND         |           | 20   |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| <b>Acetone</b>              | <b>130</b> |           | 100  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| Benzene                     | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| Bromobenzene                | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| Bromoform                   | ND         | *         | 2.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| Bromomethane                | ND         |           | 4.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| Carbon disulfide            | ND         |           | 20   |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| Carbon tetrachloride        | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| Chlorobenzene               | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| Chlorobromomethane          | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| Chlorodibromomethane        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| Chloroethane                | ND         |           | 4.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| Chloroform                  | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| Chloromethane               | ND         |           | 4.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| cis-1,2-Dichloroethene      | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| cis-1,3-Dichloropropene     | ND         |           | 0.80 |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| Dichlorobromomethane        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| Dichlorodifluoromethane     | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| Ethyl ether                 | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| Ethylbenzene                | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| Ethylene Dibromide          | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| Hexachlorobutadiene         | ND         |           | 0.80 |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| Isopropyl ether             | ND         |           | 20   |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| Isopropylbenzene            | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| Methyl tert-butyl ether     | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| Methylene Chloride          | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| m-Xylene & p-Xylene         | ND         |           | 4.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| Naphthalene                 | ND         |           | 10   |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| n-Butylbenzene              | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| N-Propylbenzene             | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| o-Xylene                    | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| sec-Butylbenzene            | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| Styrene                     | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| Tert-amyl methyl ether      | ND         |           | 10   |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| Tert-butyl ethyl ether      | ND         |           | 10   |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| tert-Butylbenzene           | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| Tetrachloroethene           | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| Tetrahydrofuran             | ND         | *         | 20   |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| Toluene                     | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1037-20170809-01**

**Lab Sample ID: 480-122520-29**

Date Collected: 08/09/17 14:31

Matrix: Water

Date Received: 08/10/17 09:30

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

| Analyte                   | Result | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| trans-1,2-Dichloroethene  | ND     |           | 2.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| trans-1,3-Dichloropropene | ND     |           | 0.80 |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| Trichlorofluoromethane    | ND     |           | 2.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| Vinyl chloride            | ND     |           | 2.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |
| Dibromomethane            | ND     |           | 2.0  |     | ug/L |   |          | 08/22/17 17:14 | 2       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr)            | 101       |           | 70 - 130 |          | 08/22/17 17:14 | 2       |
| 1,2-Dichloroethane-d4 (Surr) | 105       |           | 70 - 130 |          | 08/22/17 17:14 | 2       |
| 4-Bromofluorobenzene (Surr)  | 97        |           | 70 - 130 |          | 08/22/17 17:14 | 2       |

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

| Analyte         | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Trichloroethene | 300    |           | 10 |     | ug/L |   |          | 08/22/17 04:22 | 10      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr)            | 99        |           | 70 - 130 |          | 08/22/17 04:22 | 10      |
| 1,2-Dichloroethane-d4 (Surr) | 99        |           | 70 - 130 |          | 08/22/17 04:22 | 10      |
| 4-Bromofluorobenzene (Surr)  | 101       |           | 70 - 130 |          | 08/22/17 04:22 | 10      |

**Client Sample ID: MW-1038-20170809-01**

**Lab Sample ID: 480-122520-30**

Date Collected: 08/09/17 14:50

Matrix: Water

Date Received: 08/10/17 09:30

**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 |   |          | 08/22/17 17:37 | 1       |
| <b>1,1,1-Trichloroethane</b> | <b>60</b>  |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| 1,1,2,2-Tetrachloroethane    | ND         |           | 0.50 |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| 1,1,2-Trichloroethane        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| 1,1-Dichloroethane           | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| <b>1,1-Dichloroethene</b>    | <b>3.4</b> |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| 1,1-Dichloropropene          | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| 1,2,3-Trichlorobenzene       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| 1,2,3-Trichloropropane       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| 1,2,4-Trichlorobenzene       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| 1,2,4-Trimethylbenzene       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| 1,2-Dibromo-3-Chloropropane  | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| 1,2-Dichlorobenzene          | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| 1,2-Dichloroethane           | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| 1,2-Dichloropropane          | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| 1,3,5-Trimethylbenzene       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| 1,3-Dichlorobenzene          | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| 1,3-Dichloropropane          | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| 1,4-Dichlorobenzene          | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| 1,4-Dioxane                  | ND         |           | 50   |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| 2,2-Dichloropropane          | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| 2-Butanone (MEK)             | ND         |           | 10   |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| 2-Chlorotoluene              | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| 2-Hexanone                   | ND         |           | 10   |     | ug/L |   |          | 08/22/17 17:37 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1038-20170809-01**

**Lab Sample ID: 480-122520-30**

**Date Collected: 08/09/17 14:50**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 17:37 | 1       |
| 4-Isopropyltoluene             | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| 4-Methyl-2-pentanone (MIBK)    | ND         |           | 10   |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| <b>Acetone</b>                 | <b>96</b>  |           | 50   |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| Benzene                        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| Bromobenzene                   | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| Bromoform                      | ND         | *         | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| Bromomethane                   | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| Carbon disulfide               | ND         |           | 10   |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| Carbon tetrachloride           | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| Chlorobenzene                  | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| Chlorobromomethane             | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| Chlorodibromomethane           | ND         |           | 0.50 |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| Chloroethane                   | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| Chloroform                     | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| Chloromethane                  | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| <b>cis-1,2-Dichloroethene</b>  | <b>1.2</b> |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| cis-1,3-Dichloropropene        | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| Dichlorobromomethane           | ND         |           | 0.50 |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| Dichlorodifluoromethane        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| Ethyl ether                    | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| Ethylbenzene                   | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| Ethylene Dibromide             | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| Hexachlorobutadiene            | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| Isopropyl ether                | ND         |           | 10   |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| Isopropylbenzene               | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| <b>Methyl tert-butyl ether</b> | <b>1.1</b> |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| Methylene Chloride             | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| m-Xylene & p-Xylene            | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| Naphthalene                    | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| n-Butylbenzene                 | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| N-Propylbenzene                | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| o-Xylene                       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| sec-Butylbenzene               | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| Styrene                        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| Tert-amyl methyl ether         | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| Tert-butyl ethyl ether         | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| tert-Butylbenzene              | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| Tetrachloroethene              | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| Tetrahydrofuran                | ND         | *         | 10   |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| Toluene                        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| trans-1,2-Dichloroethene       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| trans-1,3-Dichloropropene      | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| <b>Trichloroethene</b>         | <b>270</b> |           | 40   |     | ug/L |   |          | 08/22/17 04:47 | 40      |
| Trichlorofluoromethane         | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| Vinyl chloride                 | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |
| Dibromomethane                 | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 17:37 | 1       |

| Surrogate         | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|-------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr) | 100       |           | 70 - 130 |          | 08/22/17 17:37 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1038-20170809-01**

**Lab Sample ID: 480-122520-30**

**Date Collected: 08/09/17 14:50**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

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

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 99        |           | 70 - 130 |          | 08/22/17 17:37 | 1       |
| 4-Bromofluorobenzene (Surr)  | 97        |           | 70 - 130 |          | 08/22/17 17:37 | 1       |

**Client Sample ID: DUP-002-20170809-01**

**Lab Sample ID: 480-122520-31**

**Date Collected: 08/09/17 00:02**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 05:12 | 1       |
| 1,1,1-Trichloroethane       | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND        |           | 0.50 |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| 1,1,2-Trichloroethane       | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| 1,1-Dichloroethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| 1,1-Dichloroethene          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| 1,1-Dichloropropene         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| 1,2,3-Trichlorobenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| 1,2,3-Trichloropropane      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| 1,2,4-Trichlorobenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| 1,2,4-Trimethylbenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND        |           | 5.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| 1,2-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| 1,2-Dichloroethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| 1,2-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| 1,3,5-Trimethylbenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| 1,3-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| 1,3-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| 1,4-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| 1,4-Dioxane                 | ND        |           | 50   |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| 2,2-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| 2-Butanone (MEK)            | ND        | *         | 10   |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| 2-Chlorotoluene             | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| 2-Hexanone                  | ND        | *         | 10   |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| 4-Chlorotoluene             | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| 4-Isopropyltoluene          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND        |           | 10   |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| <b>Acetone</b>              | <b>58</b> |           | 50   |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| Benzene                     | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| Bromobenzene                | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| Bromoform                   | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| Bromomethane                | ND        |           | 2.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| Carbon disulfide            | ND        |           | 10   |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| Carbon tetrachloride        | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| Chlorobenzene               | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| Chlorobromomethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| Chlorodibromomethane        | ND        |           | 0.50 |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| Chloroethane                | ND        |           | 2.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| Chloroform                  | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| Chloromethane               | ND        | *         | 2.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: DUP-002-20170809-01**

**Lab Sample ID: 480-122520-31**

**Date Collected: 08/09/17 00:02**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 05:12 | 1       |
| cis-1,3-Dichloropropene   | ND     |           | 0.40 |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| Dichlorobromomethane      | ND     |           | 0.50 |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| Dichlorodifluoromethane   | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| Ethyl ether               | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| Ethylbenzene              | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| Ethylene Dibromide        | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| Hexachlorobutadiene       | ND     |           | 0.40 |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| Isopropyl ether           | ND     |           | 10   |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| Isopropylbenzene          | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| Methyl tert-butyl ether   | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| Methylene Chloride        | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| m-Xylene & p-Xylene       | ND     |           | 2.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| Naphthalene               | ND     |           | 5.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| n-Butylbenzene            | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| N-Propylbenzene           | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| o-Xylene                  | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| sec-Butylbenzene          | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| Styrene                   | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| Tert-amyl methyl ether    | ND     |           | 5.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| Tert-butyl ethyl ether    | ND     |           | 5.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| tert-Butylbenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| Tetrachloroethene         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| Tetrahydrofuran           | ND     |           | 10   |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| Toluene                   | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.40 |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| Trichloroethene           | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| Trichlorofluoromethane    | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| Vinyl chloride            | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |
| Dibromomethane            | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 05:12 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr)            | 98        |           | 70 - 130 |          | 08/22/17 05:12 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 98        |           | 70 - 130 |          | 08/22/17 05:12 | 1       |
| 4-Bromofluorobenzene (Surr)  | 99        |           | 70 - 130 |          | 08/22/17 05:12 | 1       |

**Client Sample ID: DUP-003-20170809-01**

**Lab Sample ID: 480-122520-32**

**Date Collected: 08/09/17 00:03**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 05:38 | 1       |
| 1,1,1-Trichloroethane     | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| 1,1,2,2-Tetrachloroethane | ND         |           | 0.50 |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| 1,1,2-Trichloroethane     | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| <b>1,1-Dichloroethane</b> | <b>1.0</b> |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| <b>1,1-Dichloroethene</b> | <b>3.6</b> |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| 1,1-Dichloropropene       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |

TestAmerica Buffalo



# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: DUP-003-20170809-01**

**Lab Sample ID: 480-122520-32**

**Date Collected: 08/09/17 00:03**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 05:38 | 1       |
| 1,2,3-Trichloropropane         | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| 1,2,4-Trichlorobenzene         | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| 1,2,4-Trimethylbenzene         | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| 1,2-Dibromo-3-Chloropropane    | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| 1,2-Dichlorobenzene            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| 1,2-Dichloroethane             | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| 1,2-Dichloropropane            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| 1,3,5-Trimethylbenzene         | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| 1,3-Dichlorobenzene            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| 1,3-Dichloropropane            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| 1,4-Dichlorobenzene            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| 1,4-Dioxane                    | ND         |           | 50   |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| 2,2-Dichloropropane            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| 2-Butanone (MEK)               | ND         | *         | 10   |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| 2-Chlorotoluene                | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| 2-Hexanone                     | ND         | *         | 10   |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| 4-Chlorotoluene                | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| 4-Isopropyltoluene             | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| 4-Methyl-2-pentanone (MIBK)    | ND         |           | 10   |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| <b>Acetone</b>                 | <b>98</b>  |           | 50   |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| Benzene                        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| Bromobenzene                   | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| Bromoform                      | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| Bromomethane                   | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| Carbon disulfide               | ND         |           | 10   |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| Carbon tetrachloride           | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| Chlorobenzene                  | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| Chlorobromomethane             | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| Chlorodibromomethane           | ND         |           | 0.50 |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| Chloroethane                   | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| Chloroform                     | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| Chloromethane                  | ND         | *         | 2.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| <b>cis-1,2-Dichloroethene</b>  | <b>5.1</b> |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| cis-1,3-Dichloropropene        | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| Dichlorobromomethane           | ND         |           | 0.50 |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| Dichlorodifluoromethane        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| Ethyl ether                    | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| Ethylbenzene                   | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| Ethylene Dibromide             | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| Hexachlorobutadiene            | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| Isopropyl ether                | ND         |           | 10   |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| Isopropylbenzene               | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| <b>Methyl tert-butyl ether</b> | <b>3.2</b> |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| Methylene Chloride             | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| m-Xylene & p-Xylene            | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| Naphthalene                    | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| n-Butylbenzene                 | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| N-Propylbenzene                | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 05:38 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: DUP-003-20170809-01**

**Lab Sample ID: 480-122520-32**

Date Collected: 08/09/17 00:03

Matrix: Water

Date Received: 08/10/17 09:30

**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 |   |          | 08/22/17 05:38 | 1       |
| sec-Butylbenzene             | ND        |           | 1.0      |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| Styrene                      | ND        |           | 1.0      |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| Tert-amyl methyl ether       | ND        |           | 5.0      |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| Tert-butyl ethyl ether       | ND        |           | 5.0      |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| tert-Butylbenzene            | ND        |           | 1.0      |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| Tetrachloroethene            | ND        |           | 1.0      |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| Tetrahydrofuran              | ND        |           | 10       |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| Toluene                      | ND        |           | 1.0      |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| trans-1,2-Dichloroethene     | ND        |           | 1.0      |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| trans-1,3-Dichloropropene    | ND        |           | 0.40     |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| <b>Trichloroethene</b>       | <b>45</b> |           | 1.0      |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| Trichlorofluoromethane       | ND        |           | 1.0      |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| Vinyl chloride               | ND        |           | 1.0      |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| Dibromomethane               | ND        |           | 1.0      |     | ug/L |   |          | 08/22/17 05:38 | 1       |
| Surrogate                    | %Recovery | Qualifier | Limits   |     |      |   | Prepared | Analyzed       | Dil Fac |
| Toluene-d8 (Surr)            | 98        |           | 70 - 130 |     |      |   |          | 08/22/17 05:38 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 100       |           | 70 - 130 |     |      |   |          | 08/22/17 05:38 | 1       |
| 4-Bromofluorobenzene (Surr)  | 100       |           | 70 - 130 |     |      |   |          | 08/22/17 05:38 | 1       |

**Client Sample ID: DUP-001-20170809-01**

**Lab Sample ID: 480-122520-33**

Date Collected: 08/09/17 00:01

Matrix: Water

Date Received: 08/10/17 09:30

**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 |   |          | 08/22/17 06:03 | 1       |
| 1,1,1-Trichloroethane       | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND     |           | 0.50 |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| 1,1,2-Trichloroethane       | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| 1,1-Dichloroethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| 1,1-Dichloroethene          | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| 1,2,3-Trichlorobenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| 1,2,3-Trichloropropane      | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| 1,2,4-Trichlorobenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| 1,2,4-Trimethylbenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| 1,3,5-Trimethylbenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| 1,3-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| 1,4-Dioxane                 | ND     |           | 50   |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| 2,2-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| 2-Butanone (MEK)            | ND     | *         | 10   |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| 2-Chlorotoluene             | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: DUP-001-20170809-01**

**Lab Sample ID: 480-122520-33**

**Date Collected: 08/09/17 00:01**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 06:03 | 1       |
| 4-Chlorotoluene               | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| 4-Isopropyltoluene            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| 4-Methyl-2-pentanone (MIBK)   | ND         |           | 10   |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| <b>Acetone</b>                | <b>73</b>  |           | 50   |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| Benzene                       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| Bromobenzene                  | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| Bromoform                     | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| Bromomethane                  | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| Carbon disulfide              | ND         |           | 10   |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| Carbon tetrachloride          | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| Chlorobenzene                 | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| Chlorobromomethane            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| Chlorodibromomethane          | ND         |           | 0.50 |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| Chloroethane                  | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| Chloroform                    | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| Chloromethane                 | ND         | *         | 2.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| <b>cis-1,2-Dichloroethene</b> | <b>5.6</b> |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| cis-1,3-Dichloropropene       | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| Dichlorobromomethane          | ND         |           | 0.50 |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| Dichlorodifluoromethane       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| Ethyl ether                   | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| Ethylbenzene                  | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| Ethylene Dibromide            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| Hexachlorobutadiene           | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| Isopropyl ether               | ND         |           | 10   |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| Isopropylbenzene              | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| Methyl tert-butyl ether       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| Methylene Chloride            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| m-Xylene & p-Xylene           | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| Naphthalene                   | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| n-Butylbenzene                | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| N-Propylbenzene               | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| o-Xylene                      | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| sec-Butylbenzene              | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| Styrene                       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| Tert-amyl methyl ether        | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| Tert-butyl ethyl ether        | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| tert-Butylbenzene             | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| Tetrachloroethene             | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| Tetrahydrofuran               | ND         |           | 10   |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| Toluene                       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| trans-1,2-Dichloroethene      | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| trans-1,3-Dichloropropene     | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| <b>Trichloroethene</b>        | <b>6.6</b> |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| Trichlorofluoromethane        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| Vinyl chloride                | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |
| Dibromomethane                | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:03 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: DUP-001-20170809-01**

**Lab Sample ID: 480-122520-33**

**Date Collected: 08/09/17 00:01**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr)            | 97        |           | 70 - 130 |          | 08/22/17 06:03 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 99        |           | 70 - 130 |          | 08/22/17 06:03 | 1       |
| 4-Bromofluorobenzene (Surr)  | 98        |           | 70 - 130 |          | 08/22/17 06:03 | 1       |

**Client Sample ID: MW-1024D-20170809-01**

**Lab Sample ID: 480-122520-34**

**Date Collected: 08/09/17 11:53**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 06:28 | 1       |
| 1,1,1-Trichloroethane       | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND        |           | 0.50 |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| 1,1,2-Trichloroethane       | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| 1,1-Dichloroethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| 1,1-Dichloroethene          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| 1,1-Dichloropropene         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| 1,2,3-Trichlorobenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| 1,2,3-Trichloropropane      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| 1,2,4-Trichlorobenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| 1,2,4-Trimethylbenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND        |           | 5.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| 1,2-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| 1,2-Dichloroethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| 1,2-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| 1,3,5-Trimethylbenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| 1,3-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| 1,3-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| 1,4-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| 1,4-Dioxane                 | ND        |           | 50   |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| 2,2-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| 2-Butanone (MEK)            | ND        | *         | 10   |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| 2-Chlorotoluene             | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| 2-Hexanone                  | ND        | *         | 10   |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| 4-Chlorotoluene             | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| 4-Isopropyltoluene          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND        |           | 10   |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| <b>Acetone</b>              | <b>65</b> |           | 50   |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| Benzene                     | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| Bromobenzene                | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| Bromoform                   | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| Bromomethane                | ND        |           | 2.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| Carbon disulfide            | ND        |           | 10   |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| Carbon tetrachloride        | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| Chlorobenzene               | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| Chlorobromomethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| Chlorodibromomethane        | ND        |           | 0.50 |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| Chloroethane                | ND        |           | 2.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| Chloroform                  | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| Chloromethane               | ND        | *         | 2.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1024D-20170809-01**

**Lab Sample ID: 480-122520-34**

**Date Collected: 08/09/17 11:53**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 06:28 | 1       |
| cis-1,3-Dichloropropene   | ND     |           | 0.40 |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| Dichlorobromomethane      | ND     |           | 0.50 |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| Dichlorodifluoromethane   | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| Ethyl ether               | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| Ethylbenzene              | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| Ethylene Dibromide        | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| Hexachlorobutadiene       | ND     |           | 0.40 |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| Isopropyl ether           | ND     |           | 10   |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| Isopropylbenzene          | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| Methyl tert-butyl ether   | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| Methylene Chloride        | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| m-Xylene & p-Xylene       | ND     |           | 2.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| Naphthalene               | ND     |           | 5.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| n-Butylbenzene            | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| N-Propylbenzene           | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| o-Xylene                  | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| sec-Butylbenzene          | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| Styrene                   | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| Tert-amyl methyl ether    | ND     |           | 5.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| Tert-butyl ethyl ether    | ND     |           | 5.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| tert-Butylbenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| Tetrachloroethene         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| Tetrahydrofuran           | ND     |           | 10   |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| Toluene                   | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.40 |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| Trichloroethene           | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| Trichlorofluoromethane    | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| Vinyl chloride            | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |
| Dibromomethane            | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:28 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr)            | 98        |           | 70 - 130 |          | 08/22/17 06:28 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 100       |           | 70 - 130 |          | 08/22/17 06:28 | 1       |
| 4-Bromofluorobenzene (Surr)  | 99        |           | 70 - 130 |          | 08/22/17 06:28 | 1       |

**Client Sample ID: MW-1023-20170809-01**

**Lab Sample ID: 480-122520-35**

**Date Collected: 08/09/17 12:10**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 06:54 | 1       |
| 1,1,1-Trichloroethane     | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| 1,1,2,2-Tetrachloroethane | ND     |           | 0.50 |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| 1,1,2-Trichloroethane     | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| 1,1-Dichloroethane        | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| 1,1-Dichloroethene        | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| 1,1-Dichloropropene       | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1023-20170809-01**

**Lab Sample ID: 480-122520-35**

**Date Collected: 08/09/17 12:10**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 06:54 | 1       |
| 1,2,3-Trichloropropane        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| 1,2,4-Trichlorobenzene        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| 1,2,4-Trimethylbenzene        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| 1,2-Dibromo-3-Chloropropane   | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| 1,2-Dichlorobenzene           | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| 1,2-Dichloroethane            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| 1,2-Dichloropropane           | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| 1,3,5-Trimethylbenzene        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| 1,3-Dichlorobenzene           | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| 1,3-Dichloropropane           | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| 1,4-Dichlorobenzene           | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| 1,4-Dioxane                   | ND         |           | 50   |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| 2,2-Dichloropropane           | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| 2-Butanone (MEK)              | ND         | *         | 10   |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| 2-Chlorotoluene               | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| 2-Hexanone                    | ND         | *         | 10   |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| 4-Chlorotoluene               | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| 4-Isopropyltoluene            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| 4-Methyl-2-pentanone (MIBK)   | ND         |           | 10   |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| <b>Acetone</b>                | <b>78</b>  |           | 50   |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| Benzene                       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| Bromobenzene                  | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| Bromoform                     | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| Bromomethane                  | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| Carbon disulfide              | ND         |           | 10   |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| Carbon tetrachloride          | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| Chlorobenzene                 | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| Chlorobromomethane            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| Chlorodibromomethane          | ND         |           | 0.50 |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| Chloroethane                  | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| Chloroform                    | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| Chloromethane                 | ND         | *         | 2.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| <b>cis-1,2-Dichloroethene</b> | <b>9.1</b> |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| cis-1,3-Dichloropropene       | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| Dichlorobromomethane          | ND         |           | 0.50 |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| Dichlorodifluoromethane       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| Ethyl ether                   | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| Ethylbenzene                  | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| Ethylene Dibromide            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| Hexachlorobutadiene           | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| Isopropyl ether               | ND         |           | 10   |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| Isopropylbenzene              | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| Methyl tert-butyl ether       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| Methylene Chloride            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| m-Xylene & p-Xylene           | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| Naphthalene                   | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| n-Butylbenzene                | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| N-Propylbenzene               | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 06:54 | 1       |

TestAmerica Buffalo



# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1023-20170809-01**

**Lab Sample ID: 480-122520-35**

Date Collected: 08/09/17 12:10

Matrix: Water

Date Received: 08/10/17 09:30

**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 |   |          | 08/22/17 06:54 | 1       |
| sec-Butylbenzene             | ND         |           | 1.0      |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| Styrene                      | ND         |           | 1.0      |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| Tert-amyl methyl ether       | ND         |           | 5.0      |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| Tert-butyl ethyl ether       | ND         |           | 5.0      |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| tert-Butylbenzene            | ND         |           | 1.0      |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| Tetrachloroethene            | ND         |           | 1.0      |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| Tetrahydrofuran              | ND         |           | 10       |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| Toluene                      | ND         |           | 1.0      |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| trans-1,2-Dichloroethene     | ND         |           | 1.0      |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| trans-1,3-Dichloropropene    | ND         |           | 0.40     |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| <b>Trichloroethene</b>       | <b>3.2</b> |           | 1.0      |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| Trichlorofluoromethane       | ND         |           | 1.0      |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| Vinyl chloride               | ND         |           | 1.0      |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| Dibromomethane               | ND         |           | 1.0      |     | ug/L |   |          | 08/22/17 06:54 | 1       |
| Surrogate                    | %Recovery  | Qualifier | Limits   |     |      |   | Prepared | Analyzed       | Dil Fac |
| Toluene-d8 (Surr)            | 98         |           | 70 - 130 |     |      |   |          | 08/22/17 06:54 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 99         |           | 70 - 130 |     |      |   |          | 08/22/17 06:54 | 1       |
| 4-Bromofluorobenzene (Surr)  | 99         |           | 70 - 130 |     |      |   |          | 08/22/17 06:54 | 1       |

**Client Sample ID: MW-1019B-20170809-01**

**Lab Sample ID: 480-122520-36**

Date Collected: 08/09/17 13:15

Matrix: Water

Date Received: 08/10/17 09:30

**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 |   |          | 08/22/17 07:19 | 1       |
| 1,1,1-Trichloroethane       | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND     |           | 0.50 |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| 1,1,2-Trichloroethane       | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| 1,1-Dichloroethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| 1,1-Dichloroethene          | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| 1,2,3-Trichlorobenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| 1,2,3-Trichloropropane      | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| 1,2,4-Trichlorobenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| 1,2,4-Trimethylbenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| 1,3,5-Trimethylbenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| 1,3-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| 1,4-Dioxane                 | ND     |           | 50   |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| 2,2-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| 2-Butanone (MEK)            | ND     | *         | 10   |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| 2-Chlorotoluene             | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |

TestAmerica Buffalo



# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1019B-20170809-01**

**Lab Sample ID: 480-122520-36**

**Date Collected: 08/09/17 13:15**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 07:19 | 1       |
| 4-Chlorotoluene             | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| 4-Isopropyltoluene          | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND         |           | 10   |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| <b>Acetone</b>              | <b>70</b>  |           | 50   |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| Benzene                     | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| Bromobenzene                | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| Bromoform                   | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| Bromomethane                | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| Carbon disulfide            | ND         |           | 10   |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| Carbon tetrachloride        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| Chlorobenzene               | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| Chlorobromomethane          | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| Chlorodibromomethane        | ND         |           | 0.50 |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| Chloroethane                | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| Chloroform                  | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| Chloromethane               | ND         | *         | 2.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| cis-1,2-Dichloroethene      | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| cis-1,3-Dichloropropene     | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| Dichlorobromomethane        | ND         |           | 0.50 |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| Dichlorodifluoromethane     | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| Ethyl ether                 | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| Ethylbenzene                | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| Ethylene Dibromide          | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| Hexachlorobutadiene         | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| Isopropyl ether             | ND         |           | 10   |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| Isopropylbenzene            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| Methyl tert-butyl ether     | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| Methylene Chloride          | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| m-Xylene & p-Xylene         | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| Naphthalene                 | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| n-Butylbenzene              | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| N-Propylbenzene             | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| o-Xylene                    | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| sec-Butylbenzene            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| Styrene                     | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| Tert-amyl methyl ether      | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| Tert-butyl ethyl ether      | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| tert-Butylbenzene           | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| Tetrachloroethene           | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| Tetrahydrofuran             | ND         |           | 10   |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| Toluene                     | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| trans-1,2-Dichloroethene    | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| trans-1,3-Dichloropropene   | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| <b>Trichloroethene</b>      | <b>1.3</b> |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| Trichlorofluoromethane      | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| Vinyl chloride              | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |
| Dibromomethane              | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 07:19 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1019B-20170809-01**

**Lab Sample ID: 480-122520-36**

**Date Collected: 08/09/17 13:15**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr)            | 97        |           | 70 - 130 |          | 08/22/17 07:19 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 96        |           | 70 - 130 |          | 08/22/17 07:19 | 1       |
| 4-Bromofluorobenzene (Surr)  | 97        |           | 70 - 130 |          | 08/22/17 07:19 | 1       |

**Client Sample ID: MW-1010D-20170809-01**

**Lab Sample ID: 480-122520-37**

**Date Collected: 08/09/17 13:32**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 07:44 | 1       |
| 1,1,1-Trichloroethane       | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND        |           | 0.50 |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| 1,1,2-Trichloroethane       | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| 1,1-Dichloroethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| 1,1-Dichloroethene          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| 1,1-Dichloropropene         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| 1,2,3-Trichlorobenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| 1,2,3-Trichloropropane      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| 1,2,4-Trichlorobenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| 1,2,4-Trimethylbenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND        |           | 5.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| 1,2-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| 1,2-Dichloroethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| 1,2-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| 1,3,5-Trimethylbenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| 1,3-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| 1,3-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| 1,4-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| 1,4-Dioxane                 | ND        |           | 50   |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| 2,2-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| 2-Butanone (MEK)            | ND        | *         | 10   |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| 2-Chlorotoluene             | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| 2-Hexanone                  | ND        | *         | 10   |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| 4-Chlorotoluene             | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| 4-Isopropyltoluene          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND        |           | 10   |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| <b>Acetone</b>              | <b>64</b> |           | 50   |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| Benzene                     | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| Bromobenzene                | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| Bromoform                   | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| Bromomethane                | ND        |           | 2.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| Carbon disulfide            | ND        |           | 10   |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| Carbon tetrachloride        | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| Chlorobenzene               | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| Chlorobromomethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| Chlorodibromomethane        | ND        |           | 0.50 |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| Chloroethane                | ND        |           | 2.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| Chloroform                  | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| Chloromethane               | ND        | *         | 2.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1010D-20170809-01**

**Lab Sample ID: 480-122520-37**

**Date Collected: 08/09/17 13:32**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 07:44 | 1       |
| cis-1,3-Dichloropropene   | ND     |           | 0.40 |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| Dichlorobromomethane      | ND     |           | 0.50 |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| Dichlorodifluoromethane   | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| Ethyl ether               | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| Ethylbenzene              | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| Ethylene Dibromide        | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| Hexachlorobutadiene       | ND     |           | 0.40 |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| Isopropyl ether           | ND     |           | 10   |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| Isopropylbenzene          | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| Methyl tert-butyl ether   | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| Methylene Chloride        | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| m-Xylene & p-Xylene       | ND     |           | 2.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| Naphthalene               | ND     |           | 5.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| n-Butylbenzene            | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| N-Propylbenzene           | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| o-Xylene                  | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| sec-Butylbenzene          | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| Styrene                   | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| Tert-amyl methyl ether    | ND     |           | 5.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| Tert-butyl ethyl ether    | ND     |           | 5.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| tert-Butylbenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| Tetrachloroethene         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| Tetrahydrofuran           | ND     |           | 10   |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| Toluene                   | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.40 |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| Trichloroethene           | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| Trichlorofluoromethane    | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| Vinyl chloride            | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |
| Dibromomethane            | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 07:44 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr)            | 98        |           | 70 - 130 |          | 08/22/17 07:44 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 100       |           | 70 - 130 |          | 08/22/17 07:44 | 1       |
| 4-Bromofluorobenzene (Surr)  | 100       |           | 70 - 130 |          | 08/22/17 07:44 | 1       |

**Client Sample ID: MW-1010M-20170809-01**

**Lab Sample ID: 480-122520-38**

**Date Collected: 08/09/17 13:45**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 08:09 | 1       |
| 1,1,1-Trichloroethane     | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| 1,1,2,2-Tetrachloroethane | ND     |           | 0.50 |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| 1,1,2-Trichloroethane     | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| 1,1-Dichloroethane        | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| 1,1-Dichloroethene        | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| 1,1-Dichloropropene       | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1010M-20170809-01**

**Lab Sample ID: 480-122520-38**

**Date Collected: 08/09/17 13:45**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 08:09 | 1       |
| 1,2,3-Trichloropropane      | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| 1,2,4-Trichlorobenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| 1,2,4-Trimethylbenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| 1,3,5-Trimethylbenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| 1,3-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| 1,4-Dioxane                 | ND     |           | 50   |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| 2,2-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| 2-Butanone (MEK)            | ND     | *         | 10   |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| 2-Chlorotoluene             | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| 2-Hexanone                  | ND     | *         | 10   |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| 4-Chlorotoluene             | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| 4-Isopropyltoluene          | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 10   |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| Acetone                     | ND     |           | 50   |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| Benzene                     | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| Bromobenzene                | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| Bromoform                   | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| Bromomethane                | ND     |           | 2.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| Carbon disulfide            | ND     |           | 10   |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| Carbon tetrachloride        | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| Chlorobenzene               | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| Chlorobromomethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| Chlorodibromomethane        | ND     |           | 0.50 |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| Chloroethane                | ND     |           | 2.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| Chloroform                  | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| Chloromethane               | ND     | *         | 2.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.40 |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| Dichlorobromomethane        | ND     |           | 0.50 |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| Dichlorodifluoromethane     | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| Ethyl ether                 | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| Ethylbenzene                | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| Ethylene Dibromide          | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| Hexachlorobutadiene         | ND     |           | 0.40 |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| Isopropyl ether             | ND     |           | 10   |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| Isopropylbenzene            | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| Methyl tert-butyl ether     | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| Methylene Chloride          | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| m-Xylene & p-Xylene         | ND     |           | 2.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| Naphthalene                 | ND     |           | 5.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| n-Butylbenzene              | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| N-Propylbenzene             | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 08:09 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1010M-20170809-01**

**Lab Sample ID: 480-122520-38**

**Date Collected: 08/09/17 13:45**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 08:09 | 1       |
| sec-Butylbenzene             | ND        |           | 1.0      |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| Styrene                      | ND        |           | 1.0      |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| Tert-amyl methyl ether       | ND        |           | 5.0      |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| Tert-butyl ethyl ether       | ND        |           | 5.0      |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| tert-Butylbenzene            | ND        |           | 1.0      |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| Tetrachloroethene            | ND        |           | 1.0      |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| Tetrahydrofuran              | ND        |           | 10       |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| Toluene                      | ND        |           | 1.0      |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| trans-1,2-Dichloroethene     | ND        |           | 1.0      |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| trans-1,3-Dichloropropene    | ND        |           | 0.40     |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| <b>Trichloroethene</b>       | <b>12</b> |           | 1.0      |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| Trichlorofluoromethane       | ND        |           | 1.0      |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| Vinyl chloride               | ND        |           | 1.0      |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| Dibromomethane               | ND        |           | 1.0      |     | ug/L |   |          | 08/22/17 08:09 | 1       |
| Surrogate                    | %Recovery | Qualifier | Limits   |     |      |   | Prepared | Analyzed       | Dil Fac |
| Toluene-d8 (Surr)            | 98        |           | 70 - 130 |     |      |   |          | 08/22/17 08:09 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 98        |           | 70 - 130 |     |      |   |          | 08/22/17 08:09 | 1       |
| 4-Bromofluorobenzene (Surr)  | 98        |           | 70 - 130 |     |      |   |          | 08/22/17 08:09 | 1       |

**Client Sample ID: MW-1006-20170809-01**

**Lab Sample ID: 480-122520-39**

**Date Collected: 08/09/17 14:03**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 08:35 | 1       |
| 1,1,1-Trichloroethane       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND         |           | 0.50 |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| 1,1,2-Trichloroethane       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| 1,1-Dichloroethane          | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| <b>1,1-Dichloroethene</b>   | <b>1.2</b> |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| 1,1-Dichloropropene         | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| 1,2,3-Trichlorobenzene      | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| 1,2,3-Trichloropropane      | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| 1,2,4-Trichlorobenzene      | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| 1,2,4-Trimethylbenzene      | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| 1,2-Dichlorobenzene         | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| 1,2-Dichloroethane          | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| 1,2-Dichloropropane         | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| 1,3,5-Trimethylbenzene      | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| 1,3-Dichlorobenzene         | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| 1,3-Dichloropropane         | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| 1,4-Dichlorobenzene         | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| 1,4-Dioxane                 | ND         |           | 50   |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| 2,2-Dichloropropane         | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| 2-Butanone (MEK)            | ND         | *         | 10   |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| 2-Chlorotoluene             | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1006-20170809-01**

**Lab Sample ID: 480-122520-39**

**Date Collected: 08/09/17 14:03**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 08:35 | 1       |
| 4-Chlorotoluene             | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| 4-Isopropyltoluene          | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND         |           | 10   |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| <b>Acetone</b>              | <b>64</b>  |           | 50   |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| Benzene                     | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| Bromobenzene                | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| Bromoform                   | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| Bromomethane                | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| Carbon disulfide            | ND         |           | 10   |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| Carbon tetrachloride        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| Chlorobenzene               | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| Chlorobromomethane          | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| Chlorodibromomethane        | ND         |           | 0.50 |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| Chloroethane                | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| Chloroform                  | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| Chloromethane               | ND         | *         | 2.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| cis-1,2-Dichloroethene      | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| cis-1,3-Dichloropropene     | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| Dichlorobromomethane        | ND         |           | 0.50 |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| Dichlorodifluoromethane     | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| Ethyl ether                 | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| Ethylbenzene                | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| Ethylene Dibromide          | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| Hexachlorobutadiene         | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| Isopropyl ether             | ND         |           | 10   |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| Isopropylbenzene            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| Methyl tert-butyl ether     | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| Methylene Chloride          | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| m-Xylene & p-Xylene         | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| Naphthalene                 | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| n-Butylbenzene              | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| N-Propylbenzene             | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| o-Xylene                    | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| sec-Butylbenzene            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| Styrene                     | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| Tert-amyl methyl ether      | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| Tert-butyl ethyl ether      | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| tert-Butylbenzene           | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| Tetrachloroethene           | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| Tetrahydrofuran             | ND         |           | 10   |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| Toluene                     | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| trans-1,2-Dichloroethene    | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| trans-1,3-Dichloropropene   | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| <b>Trichloroethene</b>      | <b>4.4</b> |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| Trichlorofluoromethane      | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| Vinyl chloride              | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |
| Dibromomethane              | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 08:35 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1006-20170809-01**

**Lab Sample ID: 480-122520-39**

**Date Collected: 08/09/17 14:03**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr)            | 98        |           | 70 - 130 |          | 08/22/17 08:35 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 99        |           | 70 - 130 |          | 08/22/17 08:35 | 1       |
| 4-Bromofluorobenzene (Surr)  | 99        |           | 70 - 130 |          | 08/22/17 08:35 | 1       |

**Client Sample ID: MW-1016D-20170809-01**

**Lab Sample ID: 480-122520-40**

**Date Collected: 08/09/17 14:18**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 09:00 | 1       |
| 1,1,1-Trichloroethane       | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND        |           | 0.50 |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| 1,1,2-Trichloroethane       | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| 1,1-Dichloroethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| 1,1-Dichloroethene          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| 1,1-Dichloropropene         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| 1,2,3-Trichlorobenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| 1,2,3-Trichloropropane      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| 1,2,4-Trichlorobenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| 1,2,4-Trimethylbenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND        |           | 5.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| 1,2-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| 1,2-Dichloroethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| 1,2-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| 1,3,5-Trimethylbenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| 1,3-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| 1,3-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| 1,4-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| 1,4-Dioxane                 | ND        |           | 50   |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| 2,2-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| 2-Butanone (MEK)            | ND        | *         | 10   |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| 2-Chlorotoluene             | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| 2-Hexanone                  | ND        | *         | 10   |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| 4-Chlorotoluene             | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| 4-Isopropyltoluene          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND        |           | 10   |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| <b>Acetone</b>              | <b>65</b> |           | 50   |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| Benzene                     | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| Bromobenzene                | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| Bromoform                   | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| Bromomethane                | ND        |           | 2.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| Carbon disulfide            | ND        |           | 10   |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| Carbon tetrachloride        | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| Chlorobenzene               | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| Chlorobromomethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| Chlorodibromomethane        | ND        |           | 0.50 |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| Chloroethane                | ND        |           | 2.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| Chloroform                  | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| Chloromethane               | ND        | *         | 2.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |

TestAmerica Buffalo



# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1016D-20170809-01**

**Lab Sample ID: 480-122520-40**

**Date Collected: 08/09/17 14:18**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 09:00 | 1       |
| cis-1,3-Dichloropropene   | ND     |           | 0.40 |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| Dichlorobromomethane      | ND     |           | 0.50 |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| Dichlorodifluoromethane   | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| Ethyl ether               | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| Ethylbenzene              | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| Ethylene Dibromide        | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| Hexachlorobutadiene       | ND     |           | 0.40 |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| Isopropyl ether           | ND     |           | 10   |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| Isopropylbenzene          | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| Methyl tert-butyl ether   | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| Methylene Chloride        | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| m-Xylene & p-Xylene       | ND     |           | 2.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| Naphthalene               | ND     |           | 5.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| n-Butylbenzene            | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| N-Propylbenzene           | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| o-Xylene                  | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| sec-Butylbenzene          | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| Styrene                   | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| Tert-amyl methyl ether    | ND     |           | 5.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| Tert-butyl ethyl ether    | ND     |           | 5.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| tert-Butylbenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| Tetrachloroethene         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| Tetrahydrofuran           | ND     |           | 10   |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| Toluene                   | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.40 |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| Trichloroethene           | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| Trichlorofluoromethane    | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| Vinyl chloride            | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |
| Dibromomethane            | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 09:00 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr)            | 99        |           | 70 - 130 |          | 08/22/17 09:00 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 101       |           | 70 - 130 |          | 08/22/17 09:00 | 1       |
| 4-Bromofluorobenzene (Surr)  | 99        |           | 70 - 130 |          | 08/22/17 09:00 | 1       |

**Client Sample ID: MW-1017D-20170809-01**

**Lab Sample ID: 480-122520-41**

**Date Collected: 08/09/17 14:38**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 18:01 | 1       |
| 1,1,1-Trichloroethane     | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| 1,1,2,2-Tetrachloroethane | ND     |           | 0.50 |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| 1,1,2-Trichloroethane     | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| 1,1-Dichloroethane        | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| 1,1-Dichloroethene        | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| 1,1-Dichloropropene       | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1017D-20170809-01**

**Lab Sample ID: 480-122520-41**

**Date Collected: 08/09/17 14:38**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 18:01 | 1       |
| 1,2,3-Trichloropropane        | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| 1,2,4-Trichlorobenzene        | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| 1,2,4-Trimethylbenzene        | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| 1,2-Dibromo-3-Chloropropane   | ND        |           | 5.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| 1,2-Dichlorobenzene           | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| 1,2-Dichloroethane            | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| 1,2-Dichloropropane           | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| 1,3,5-Trimethylbenzene        | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| 1,3-Dichlorobenzene           | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| 1,3-Dichloropropane           | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| 1,4-Dichlorobenzene           | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| 1,4-Dioxane                   | ND        |           | 50   |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| 2,2-Dichloropropane           | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| 2-Butanone (MEK)              | ND        |           | 10   |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| 2-Chlorotoluene               | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| 2-Hexanone                    | ND        |           | 10   |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| 4-Chlorotoluene               | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| 4-Isopropyltoluene            | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| 4-Methyl-2-pentanone (MIBK)   | ND        |           | 10   |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| <b>Acetone</b>                | <b>91</b> |           | 50   |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| Benzene                       | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| Bromobenzene                  | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| Bromoform                     | ND        | *         | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| Bromomethane                  | ND        |           | 2.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| Carbon disulfide              | ND        |           | 10   |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| Carbon tetrachloride          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| Chlorobenzene                 | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| Chlorobromomethane            | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| Chlorodibromomethane          | ND        |           | 0.50 |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| Chloroethane                  | ND        |           | 2.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| Chloroform                    | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| Chloromethane                 | ND        |           | 2.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| <b>cis-1,2-Dichloroethene</b> | <b>81</b> |           | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| cis-1,3-Dichloropropene       | ND        |           | 0.40 |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| Dichlorobromomethane          | ND        |           | 0.50 |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| Dichlorodifluoromethane       | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| Ethyl ether                   | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| Ethylbenzene                  | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| Ethylene Dibromide            | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| Hexachlorobutadiene           | ND        |           | 0.40 |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| Isopropyl ether               | ND        |           | 10   |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| Isopropylbenzene              | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| Methyl tert-butyl ether       | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| Methylene Chloride            | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| m-Xylene & p-Xylene           | ND        |           | 2.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| Naphthalene                   | ND        |           | 5.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| n-Butylbenzene                | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| N-Propylbenzene               | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:01 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1017D-20170809-01**

**Lab Sample ID: 480-122520-41**

Date Collected: 08/09/17 14:38

Matrix: Water

Date Received: 08/10/17 09:30

**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 |   |          | 08/22/17 18:01 | 1       |
| sec-Butylbenzene                | ND         |           | 1.0      |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| Styrene                         | ND         |           | 1.0      |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| Tert-amyl methyl ether          | ND         |           | 5.0      |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| Tert-butyl ethyl ether          | ND         |           | 5.0      |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| tert-Butylbenzene               | ND         |           | 1.0      |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| Tetrachloroethene               | ND         |           | 1.0      |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| Tetrahydrofuran                 | ND         | *         | 10       |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| Toluene                         | ND         |           | 1.0      |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| <b>trans-1,2-Dichloroethene</b> | <b>2.1</b> |           | 1.0      |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| trans-1,3-Dichloropropene       | ND         |           | 0.40     |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| <b>Trichloroethene</b>          | <b>25</b>  |           | 1.0      |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| Trichlorofluoromethane          | ND         |           | 1.0      |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| Vinyl chloride                  | ND         |           | 1.0      |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| Dibromomethane                  | ND         |           | 1.0      |     | ug/L |   |          | 08/22/17 18:01 | 1       |
| Surrogate                       | %Recovery  | Qualifier | Limits   |     |      |   | Prepared | Analyzed       | Dil Fac |
| Toluene-d8 (Surr)               | 100        |           | 70 - 130 |     |      |   |          | 08/22/17 18:01 | 1       |
| 1,2-Dichloroethane-d4 (Surr)    | 103        |           | 70 - 130 |     |      |   |          | 08/22/17 18:01 | 1       |
| 4-Bromofluorobenzene (Surr)     | 96         |           | 70 - 130 |     |      |   |          | 08/22/17 18:01 | 1       |

**Client Sample ID: MW-1011-20170809-01**

**Lab Sample ID: 480-122520-42**

Date Collected: 08/09/17 15:00

Matrix: Water

Date Received: 08/10/17 09:30

**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 |   |          | 08/22/17 18:24 | 1       |
| 1,1,1-Trichloroethane       | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND     |           | 0.50 |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| 1,1,2-Trichloroethane       | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| 1,1-Dichloroethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| 1,1-Dichloroethene          | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| 1,2,3-Trichlorobenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| 1,2,3-Trichloropropane      | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| 1,2,4-Trichlorobenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| 1,2,4-Trimethylbenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| 1,3,5-Trimethylbenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| 1,3-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| 1,4-Dioxane                 | ND     |           | 50   |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| 2,2-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| 2-Butanone (MEK)            | ND     |           | 10   |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| 2-Chlorotoluene             | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1011-20170809-01**

**Lab Sample ID: 480-122520-42**

**Date Collected: 08/09/17 15:00**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 18:24 | 1       |
| 4-Chlorotoluene               | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| 4-Isopropyltoluene            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| 4-Methyl-2-pentanone (MIBK)   | ND         |           | 10   |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| <b>Acetone</b>                | <b>65</b>  |           | 50   |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| Benzene                       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| Bromobenzene                  | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| Bromoform                     | ND         | *         | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| Bromomethane                  | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| Carbon disulfide              | ND         |           | 10   |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| Carbon tetrachloride          | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| Chlorobenzene                 | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| Chlorobromomethane            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| Chlorodibromomethane          | ND         |           | 0.50 |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| Chloroethane                  | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| Chloroform                    | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| Chloromethane                 | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| <b>cis-1,2-Dichloroethene</b> | <b>5.4</b> |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| cis-1,3-Dichloropropene       | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| Dichlorobromomethane          | ND         |           | 0.50 |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| Dichlorodifluoromethane       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| Ethyl ether                   | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| Ethylbenzene                  | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| Ethylene Dibromide            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| Hexachlorobutadiene           | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| Isopropyl ether               | ND         |           | 10   |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| Isopropylbenzene              | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| Methyl tert-butyl ether       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| Methylene Chloride            | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| m-Xylene & p-Xylene           | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| Naphthalene                   | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| n-Butylbenzene                | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| N-Propylbenzene               | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| o-Xylene                      | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| sec-Butylbenzene              | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| Styrene                       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| Tert-amyl methyl ether        | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| Tert-butyl ethyl ether        | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| tert-Butylbenzene             | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| Tetrachloroethene             | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| Tetrahydrofuran               | ND         | *         | 10   |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| Toluene                       | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| trans-1,2-Dichloroethene      | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| trans-1,3-Dichloropropene     | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| <b>Trichloroethene</b>        | <b>15</b>  |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| Trichlorofluoromethane        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| Vinyl chloride                | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |
| Dibromomethane                | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:24 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1011-20170809-01**

**Lab Sample ID: 480-122520-42**

**Date Collected: 08/09/17 15:00**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr)            | 98        |           | 70 - 130 |          | 08/22/17 18:24 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 102       |           | 70 - 130 |          | 08/22/17 18:24 | 1       |
| 4-Bromofluorobenzene (Surr)  | 97        |           | 70 - 130 |          | 08/22/17 18:24 | 1       |

**Client Sample ID: MW-1039-20170809-01**

**Lab Sample ID: 480-122520-43**

**Date Collected: 08/09/17 15:11**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 18:48 | 1       |
| 1,1,1-Trichloroethane       | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND        |           | 0.50 |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| 1,1,2-Trichloroethane       | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| 1,1-Dichloroethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| 1,1-Dichloroethene          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| 1,1-Dichloropropene         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| 1,2,3-Trichlorobenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| 1,2,3-Trichloropropane      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| 1,2,4-Trichlorobenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| 1,2,4-Trimethylbenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND        |           | 5.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| 1,2-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| 1,2-Dichloroethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| 1,2-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| 1,3,5-Trimethylbenzene      | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| 1,3-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| 1,3-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| 1,4-Dichlorobenzene         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| 1,4-Dioxane                 | ND        |           | 50   |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| 2,2-Dichloropropane         | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| 2-Butanone (MEK)            | ND        |           | 10   |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| 2-Chlorotoluene             | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| 2-Hexanone                  | ND        |           | 10   |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| 4-Chlorotoluene             | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| 4-Isopropyltoluene          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND        |           | 10   |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| <b>Acetone</b>              | <b>73</b> |           | 50   |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| Benzene                     | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| Bromobenzene                | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| Bromoform                   | ND *      |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| Bromomethane                | ND        |           | 2.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| Carbon disulfide            | ND        |           | 10   |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| Carbon tetrachloride        | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| Chlorobenzene               | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| Chlorobromomethane          | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| Chlorodibromomethane        | ND        |           | 0.50 |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| Chloroethane                | ND        |           | 2.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| Chloroform                  | ND        |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| Chloromethane               | ND        |           | 2.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1039-20170809-01**

**Lab Sample ID: 480-122520-43**

Date Collected: 08/09/17 15:11

Matrix: Water

Date Received: 08/10/17 09:30

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

| Analyte                         | Result     | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------|------------|-----------|------|-----|------|---|----------|----------------|---------|
| <b>cis-1,2-Dichloroethene</b>   | <b>33</b>  |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| cis-1,3-Dichloropropene         | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| Dichlorobromomethane            | ND         |           | 0.50 |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| Dichlorodifluoromethane         | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| Ethyl ether                     | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| Ethylbenzene                    | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| Ethylene Dibromide              | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| Hexachlorobutadiene             | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| Isopropyl ether                 | ND         |           | 10   |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| Isopropylbenzene                | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| Methyl tert-butyl ether         | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| Methylene Chloride              | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| m-Xylene & p-Xylene             | ND         |           | 2.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| Naphthalene                     | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| n-Butylbenzene                  | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| N-Propylbenzene                 | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| o-Xylene                        | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| sec-Butylbenzene                | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| Styrene                         | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| Tert-amyl methyl ether          | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| Tert-butyl ethyl ether          | ND         |           | 5.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| tert-Butylbenzene               | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| Tetrachloroethene               | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| Tetrahydrofuran                 | ND *       |           | 10   |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| Toluene                         | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| <b>trans-1,2-Dichloroethene</b> | <b>2.3</b> |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| trans-1,3-Dichloropropene       | ND         |           | 0.40 |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| <b>Trichloroethene</b>          | <b>57</b>  |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| Trichlorofluoromethane          | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| Vinyl chloride                  | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |
| Dibromomethane                  | ND         |           | 1.0  |     | ug/L |   |          | 08/22/17 18:48 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr)            | 98        |           | 70 - 130 |          | 08/22/17 18:48 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 103       |           | 70 - 130 |          | 08/22/17 18:48 | 1       |
| 4-Bromofluorobenzene (Surr)  | 98        |           | 70 - 130 |          | 08/22/17 18:48 | 1       |

**Client Sample ID: TB-001-20170809-01**

**Lab Sample ID: 480-122520-44**

Date Collected: 08/09/17 00:00

Matrix: Water

Date Received: 08/10/17 09:30

**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 |   |          | 08/22/17 19:11 | 1       |
| 1,1,1-Trichloroethane     | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| 1,1,2,2-Tetrachloroethane | ND     |           | 0.50 |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| 1,1,2-Trichloroethane     | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| 1,1-Dichloroethane        | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| 1,1-Dichloroethene        | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| 1,1-Dichloropropene       | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: TB-001-20170809-01**

**Lab Sample ID: 480-122520-44**

**Date Collected: 08/09/17 00:00**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |          | 08/22/17 19:11 | 1       |
| 1,2,3-Trichloropropane      | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| 1,2,4-Trichlorobenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| 1,2,4-Trimethylbenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| 1,3,5-Trimethylbenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| 1,3-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| 1,4-Dioxane                 | ND     |           | 50   |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| 2,2-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| 2-Butanone (MEK)            | ND     |           | 10   |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| 2-Chlorotoluene             | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| 2-Hexanone                  | ND     |           | 10   |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| 4-Chlorotoluene             | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| 4-Isopropyltoluene          | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 10   |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| Acetone                     | ND     |           | 50   |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| Benzene                     | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| Bromobenzene                | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| Bromoform                   | ND     | *         | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| Bromomethane                | ND     |           | 2.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| Carbon disulfide            | ND     |           | 10   |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| Carbon tetrachloride        | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| Chlorobenzene               | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| Chlorobromomethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| Chlorodibromomethane        | ND     |           | 0.50 |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| Chloroethane                | ND     |           | 2.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| Chloroform                  | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| Chloromethane               | ND     |           | 2.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.40 |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| Dichlorobromomethane        | ND     |           | 0.50 |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| Dichlorodifluoromethane     | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| Ethyl ether                 | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| Ethylbenzene                | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| Ethylene Dibromide          | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| Hexachlorobutadiene         | ND     |           | 0.40 |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| Isopropyl ether             | ND     |           | 10   |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| Isopropylbenzene            | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| Methyl tert-butyl ether     | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| Methylene Chloride          | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| m-Xylene & p-Xylene         | ND     |           | 2.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| Naphthalene                 | ND     |           | 5.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| n-Butylbenzene              | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |
| N-Propylbenzene             | ND     |           | 1.0  |     | ug/L |   |          | 08/22/17 19:11 | 1       |

TestAmerica Buffalo



# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: TB-001-20170809-01**

**Lab Sample ID: 480-122520-44**

**Date Collected: 08/09/17 00:00**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

**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 |   |                 | 08/22/17 19:11  | 1              |
| sec-Butylbenzene                    | ND               |                  | 1.0           |     | ug/L |   |                 | 08/22/17 19:11  | 1              |
| Styrene                             | ND               |                  | 1.0           |     | ug/L |   |                 | 08/22/17 19:11  | 1              |
| Tert-amyl methyl ether              | ND               |                  | 5.0           |     | ug/L |   |                 | 08/22/17 19:11  | 1              |
| Tert-butyl ethyl ether              | ND               |                  | 5.0           |     | ug/L |   |                 | 08/22/17 19:11  | 1              |
| tert-Butylbenzene                   | ND               |                  | 1.0           |     | ug/L |   |                 | 08/22/17 19:11  | 1              |
| Tetrachloroethene                   | ND               |                  | 1.0           |     | ug/L |   |                 | 08/22/17 19:11  | 1              |
| Tetrahydrofuran                     | ND               | *                | 10            |     | ug/L |   |                 | 08/22/17 19:11  | 1              |
| Toluene                             | ND               |                  | 1.0           |     | ug/L |   |                 | 08/22/17 19:11  | 1              |
| trans-1,2-Dichloroethene            | ND               |                  | 1.0           |     | ug/L |   |                 | 08/22/17 19:11  | 1              |
| trans-1,3-Dichloropropene           | ND               |                  | 0.40          |     | ug/L |   |                 | 08/22/17 19:11  | 1              |
| Trichloroethene                     | ND               |                  | 1.0           |     | ug/L |   |                 | 08/22/17 19:11  | 1              |
| Trichlorofluoromethane              | ND               |                  | 1.0           |     | ug/L |   |                 | 08/22/17 19:11  | 1              |
| Vinyl chloride                      | ND               |                  | 1.0           |     | ug/L |   |                 | 08/22/17 19:11  | 1              |
| Dibromomethane                      | ND               |                  | 1.0           |     | ug/L |   |                 | 08/22/17 19:11  | 1              |
| <b>Surrogate</b>                    | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |     |      |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| <i>Toluene-d8 (Surr)</i>            | 100              |                  | 70 - 130      |     |      |   |                 | 08/22/17 19:11  | 1              |
| <i>1,2-Dichloroethane-d4 (Surr)</i> | 103              |                  | 70 - 130      |     |      |   |                 | 08/22/17 19:11  | 1              |
| <i>4-Bromofluorobenzene (Surr)</i>  | 97               |                  | 70 - 130      |     |      |   |                 | 08/22/17 19:11  | 1              |

# Surrogate Summary

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

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

**Matrix: Water**

**Prep Type: Total/NA**

| Lab Sample ID      | Client Sample ID     | Percent Surrogate Recovery (Acceptance Limits) |                   |                 |
|--------------------|----------------------|--|-------------------|-----------------|
|                    |                      | TOL<br>(70-130)                                | 12DCE<br>(70-130) | BFB<br>(70-130) |
| 480-122520-1       | MW-1020-20170809-01  | 100  | 102               | 101             |
| 480-122520-2       | MW-1009-20170809-01  | 99   | 97                | 100             |
| 480-122520-3       | MW-1026D-20170809-01 | 99   | 97                | 101             |
| 480-122520-4       | MW-1015D-20170809-01 | 99   | 99                | 101             |
| 480-122520-5       | MW-1022-20170809-01  | 100  | 100               | 103             |
| 480-122520-6       | MW-1030-20170809-01  | 98   | 100               | 100             |
| 480-122520-7       | MW-1031-20170809-01  | 99   | 99                | 99              |
| 480-122520-8       | MW-1032-20170809-01  | 98   | 101               | 99              |
| 480-122520-9       | MW-1028-20170809-01  | 100  | 98                | 101             |
| 480-122520-10      | MW-1027-20170809-01  | 100  | 98                | 102             |
| 480-122520-11      | MW-1033-20170809-01  | 99   | 98                | 100             |
| 480-122520-12      | MW-1013-20170809-01  | 100  | 101               | 99              |
| 480-122520-13      | MW-1014-20170809-01  | 99   | 101               | 101             |
| 480-122520-14      | MW-1008-20170809-01  | 100  | 99                | 100             |
| 480-122520-15      | MW-1005-20170809-01  | 99   | 99                | 100             |
| 480-122520-16      | MW-1004-20170809-01  | 99   | 100               | 100             |
| 480-122520-17      | MW-1003-20170809-01  | 99   | 96                | 100             |
| 480-122520-18      | MW-1002B-20170809-01 | 99   | 103               | 101             |
| 480-122520-19      | MW-1001M-20170809-01 | 99   | 99                | 101             |
| 480-122520-20      | MW-1001B-20170809-01 | 99   | 99                | 100             |
| 480-122520-21      | MW-1025M-20170809-01 | 100  | 105               | 98              |
| 480-122520-22      | MW-1025D-20170809-01 | 98   | 103               | 98              |
| 480-122520-23      | MW-1034-20170809-01  | 100  | 98                | 100             |
| 480-122520-24      | DUP-004-20170809-01  | 99   | 99                | 102             |
| 480-122520-25      | MW-1018-20170809-01  | 99   | 99                | 101             |
| 480-122520-26      | MW-1035-20170809-01  | 98   | 100               | 99              |
| 480-122520-27      | MW-1036-20170809-01  | 97   | 101               | 100             |
| 480-122520-28      | DUP-005-20170809-01  | 98   | 99                | 99              |
| 480-122520-29 - DL | MW-1037-20170809-01  | 99   | 99                | 101             |
| 480-122520-29      | MW-1037-20170809-01  | 101  | 105               | 97              |
| 480-122520-30      | MW-1038-20170809-01  | 100  | 99                | 97              |
| 480-122520-31      | DUP-002-20170809-01  | 98   | 98                | 99              |
| 480-122520-32      | DUP-003-20170809-01  | 98   | 100               | 100             |
| 480-122520-33      | DUP-001-20170809-01  | 97   | 99                | 98              |
| 480-122520-34      | MW-1024D-20170809-01 | 98   | 100               | 99              |
| 480-122520-35      | MW-1023-20170809-01  | 98   | 99                | 99              |
| 480-122520-36      | MW-1019B-20170809-01 | 97   | 96                | 97              |
| 480-122520-37      | MW-1010D-20170809-01 | 98   | 100               | 100             |
| 480-122520-38      | MW-1010M-20170809-01 | 98   | 98                | 98              |
| 480-122520-39      | MW-1006-20170809-01  | 98   | 99                | 99              |
| 480-122520-40      | MW-1016D-20170809-01 | 99   | 101               | 99              |
| 480-122520-41      | MW-1017D-20170809-01 | 100  | 103               | 96              |
| 480-122520-42      | MW-1011-20170809-01  | 98   | 102               | 97              |
| 480-122520-43      | MW-1039-20170809-01  | 98   | 103               | 98              |
| 480-122520-44      | TB-001-20170809-01   | 100  | 103               | 97              |
| LCS 480-373038/5   | Lab Control Sample   | 99   | 94                | 102             |
| LCS 480-373188/5   | Lab Control Sample   | 99   | 95                | 102             |
| LCS 480-373193/8   | Lab Control Sample   | 97   | 103               | 98              |
| LCS 480-373250/4   | Lab Control Sample   | 101  | 101               | 100             |

# Surrogate Summary

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

## 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       | TOL      | 12DCE    | BFB      |
|-------------------|------------------------|----------|----------|----------|
|                   |                        | (70-130) | (70-130) | (70-130) |
| LCSD 480-373038/9 | Lab Control Sample Dup | 101      | 97       | 105      |
| LCSD 480-373188/6 | Lab Control Sample Dup | 100      | 94       | 102      |
| LCSD 480-373193/9 | Lab Control Sample Dup | 101      | 102      | 100      |
| LCSD 480-373250/5 | Lab Control Sample Dup | 98       | 101      | 98       |
| MB 480-373038/8   | Method Blank           | 100      | 97       | 102      |
| MB 480-373188/8   | Method Blank           | 100      | 100      | 101      |
| MB 480-373193/11  | Method Blank           | 100      | 102      | 96       |
| MB 480-373250/7   | Method Blank           | 98       | 107      | 96       |

### Surrogate Legend

TOL = Toluene-d8 (Surr)

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

# QC Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

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

Lab Sample ID: MB 480-373038/8

Matrix: Water

Analysis Batch: 373038

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 |   |          | 08/21/17 12:29 | 1       |
| 1,1,1-Trichloroethane       | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND        |              | 0.50 |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| 1,1,2-Trichloroethane       | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| 1,1-Dichloroethane          | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| 1,1-Dichloroethene          | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| 1,1-Dichloropropene         | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| 1,2,3-Trichlorobenzene      | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| 1,2,3-Trichloropropane      | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| 1,2,4-Trichlorobenzene      | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| 1,2,4-Trimethylbenzene      | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND        |              | 5.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| 1,2-Dichlorobenzene         | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| 1,2-Dichloroethane          | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| 1,2-Dichloropropane         | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| 1,3,5-Trimethylbenzene      | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| 1,3-Dichlorobenzene         | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| 1,3-Dichloropropane         | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| 1,4-Dichlorobenzene         | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| 1,4-Dioxane                 | ND        |              | 50   |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| 2,2-Dichloropropane         | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| 2-Butanone (MEK)            | ND        |              | 10   |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| 2-Chlorotoluene             | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| 2-Hexanone                  | ND        |              | 10   |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| 4-Chlorotoluene             | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| 4-Isopropyltoluene          | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND        |              | 10   |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| Acetone                     | ND        |              | 50   |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| Benzene                     | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| Bromobenzene                | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| Bromoform                   | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| Bromomethane                | ND        |              | 2.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| Carbon disulfide            | ND        |              | 10   |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| Carbon tetrachloride        | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| Chlorobenzene               | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| Chlorobromomethane          | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| Chlorodibromomethane        | ND        |              | 0.50 |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| Chloroethane                | ND        |              | 2.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| Chloroform                  | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| Chloromethane               | ND        |              | 2.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| cis-1,2-Dichloroethene      | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| cis-1,3-Dichloropropene     | ND        |              | 0.40 |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| Dichlorobromomethane        | ND        |              | 0.50 |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| Dichlorodifluoromethane     | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| Ethyl ether                 | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| Ethylbenzene                | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| Ethylene Dibromide          | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| Hexachlorobutadiene         | ND        |              | 0.40 |     | ug/L |   |          | 08/21/17 12:29 | 1       |

TestAmerica Buffalo

# QC Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

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

**Lab Sample ID: MB 480-373038/8**  
**Matrix: Water**  
**Analysis Batch: 373038**

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

| Analyte                   | MB Result | MB Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|--------------|------|-----|------|---|----------|----------------|---------|
| Isopropyl ether           | ND        |              | 10   |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| Isopropylbenzene          | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| Methyl tert-butyl ether   | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| Methylene Chloride        | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| m-Xylene & p-Xylene       | ND        |              | 2.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| Naphthalene               | ND        |              | 5.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| n-Butylbenzene            | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| N-Propylbenzene           | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| o-Xylene                  | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| sec-Butylbenzene          | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| Styrene                   | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| Tert-amyl methyl ether    | ND        |              | 5.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| Tert-butyl ethyl ether    | ND        |              | 5.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| tert-Butylbenzene         | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| Tetrachloroethene         | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| Tetrahydrofuran           | ND        |              | 10   |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| Toluene                   | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| trans-1,2-Dichloroethene  | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| trans-1,3-Dichloropropene | ND        |              | 0.40 |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| Trichloroethene           | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| Trichlorofluoromethane    | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| Vinyl chloride            | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |
| Dibromomethane            | ND        |              | 1.0  |     | ug/L |   |          | 08/21/17 12:29 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| Toluene-d8 (Surr)            | 100          |              | 70 - 130 |          | 08/21/17 12:29 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 97           |              | 70 - 130 |          | 08/21/17 12:29 | 1       |
| 4-Bromofluorobenzene (Surr)  | 102          |              | 70 - 130 |          | 08/21/17 12:29 | 1       |

**Lab Sample ID: LCS 480-373038/5**  
**Matrix: Water**  
**Analysis Batch: 373038**

**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        | 27.6       |               | ug/L |   | 111  | 70 - 130     |
| 1,1,1-Trichloroethane       | 25.0        | 26.8       |               | ug/L |   | 107  | 70 - 130     |
| 1,1,2,2-Tetrachloroethane   | 25.0        | 28.9       |               | ug/L |   | 116  | 70 - 130     |
| 1,1,2-Trichloroethane       | 25.0        | 27.8       |               | ug/L |   | 111  | 70 - 130     |
| 1,1-Dichloroethane          | 25.0        | 25.4       |               | ug/L |   | 102  | 70 - 130     |
| 1,1-Dichloroethene          | 25.0        | 26.3       |               | ug/L |   | 105  | 70 - 130     |
| 1,1-Dichloropropene         | 25.0        | 27.0       |               | ug/L |   | 108  | 70 - 130     |
| 1,2,3-Trichlorobenzene      | 25.0        | 28.6       |               | ug/L |   | 114  | 70 - 130     |
| 1,2,3-Trichloropropane      | 25.0        | 28.5       |               | ug/L |   | 114  | 70 - 130     |
| 1,2,4-Trichlorobenzene      | 25.0        | 28.5       |               | ug/L |   | 114  | 70 - 130     |
| 1,2,4-Trimethylbenzene      | 25.0        | 29.1       |               | ug/L |   | 117  | 70 - 130     |
| 1,2-Dibromo-3-Chloropropane | 25.0        | 27.4       |               | ug/L |   | 110  | 70 - 130     |
| 1,2-Dichlorobenzene         | 25.0        | 27.8       |               | ug/L |   | 111  | 70 - 130     |
| 1,2-Dichloroethane          | 25.0        | 23.7       |               | ug/L |   | 95   | 70 - 130     |

TestAmerica Buffalo

# QC Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

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

**Lab Sample ID: LCS 480-373038/5**  
**Matrix: Water**  
**Analysis Batch: 373038**

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

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,2-Dichloropropane         | 25.0        | 24.7       |               | ug/L |   | 99   | 70 - 130     |
| 1,3,5-Trimethylbenzene      | 25.0        | 29.5       |               | ug/L |   | 118  | 70 - 130     |
| 1,3-Dichlorobenzene         | 25.0        | 27.9       |               | ug/L |   | 112  | 70 - 130     |
| 1,3-Dichloropropane         | 25.0        | 28.2       |               | ug/L |   | 113  | 70 - 130     |
| 1,4-Dichlorobenzene         | 25.0        | 27.7       |               | ug/L |   | 111  | 70 - 130     |
| 1,4-Dioxane                 | 500         | 595        |               | ug/L |   | 119  | 70 - 130     |
| 2,2-Dichloropropane         | 25.0        | 26.3       |               | ug/L |   | 105  | 70 - 130     |
| 2-Butanone (MEK)            | 125         | 211        | *             | ug/L |   | 169  | 70 - 130     |
| 2-Chlorotoluene             | 25.0        | 32.3       |               | ug/L |   | 129  | 70 - 130     |
| 2-Hexanone                  | 125         | 186        | *             | ug/L |   | 149  | 70 - 130     |
| 4-Chlorotoluene             | 25.0        | 32.7       | *             | ug/L |   | 131  | 70 - 130     |
| 4-Isopropyltoluene          | 25.0        | 29.8       |               | ug/L |   | 119  | 70 - 130     |
| 4-Methyl-2-pentanone (MIBK) | 125         | 134        |               | ug/L |   | 107  | 70 - 130     |
| Acetone                     | 125         | 117        |               | ug/L |   | 94   | 70 - 130     |
| Benzene                     | 25.0        | 25.5       |               | ug/L |   | 102  | 70 - 130     |
| Bromobenzene                | 25.0        | 27.9       |               | ug/L |   | 112  | 70 - 130     |
| Bromoform                   | 25.0        | 25.1       |               | ug/L |   | 100  | 70 - 130     |
| Bromomethane                | 25.0        | 21.7       |               | ug/L |   | 87   | 70 - 130     |
| Carbon disulfide            | 25.0        | 26.1       |               | ug/L |   | 104  | 70 - 130     |
| Carbon tetrachloride        | 25.0        | 27.8       |               | ug/L |   | 111  | 70 - 130     |
| Chlorobenzene               | 25.0        | 27.7       |               | ug/L |   | 111  | 70 - 130     |
| Chlorobromomethane          | 25.0        | 25.1       |               | ug/L |   | 100  | 70 - 130     |
| Chlorodibromomethane        | 25.0        | 28.8       |               | ug/L |   | 115  | 70 - 130     |
| Chloroethane                | 25.0        | 22.6       |               | ug/L |   | 91   | 70 - 130     |
| Chloroform                  | 25.0        | 25.0       |               | ug/L |   | 100  | 70 - 130     |
| Chloromethane               | 25.0        | 17.9       |               | ug/L |   | 72   | 70 - 130     |
| cis-1,2-Dichloroethene      | 25.0        | 25.3       |               | ug/L |   | 101  | 70 - 130     |
| cis-1,3-Dichloropropene     | 25.0        | 26.3       |               | ug/L |   | 105  | 70 - 130     |
| Dichlorobromomethane        | 25.0        | 26.0       |               | ug/L |   | 104  | 70 - 130     |
| Dichlorodifluoromethane     | 25.0        | 19.7       |               | ug/L |   | 79   | 70 - 130     |
| Ethyl ether                 | 25.0        | 24.5       |               | ug/L |   | 98   | 70 - 130     |
| Ethylbenzene                | 25.0        | 28.4       |               | ug/L |   | 114  | 70 - 130     |
| Ethylene Dibromide          | 25.0        | 28.7       |               | ug/L |   | 115  | 70 - 130     |
| Hexachlorobutadiene         | 25.0        | 29.2       |               | ug/L |   | 117  | 70 - 130     |
| Isopropyl ether             | 25.0        | 26.8       |               | ug/L |   | 107  | 70 - 130     |
| Isopropylbenzene            | 25.0        | 29.4       |               | ug/L |   | 117  | 70 - 130     |
| Methyl tert-butyl ether     | 25.0        | 24.8       |               | ug/L |   | 99   | 70 - 130     |
| Methylene Chloride          | 25.0        | 23.0       |               | ug/L |   | 92   | 70 - 130     |
| m-Xylene & p-Xylene         | 25.0        | 28.8       |               | ug/L |   | 115  | 70 - 130     |
| Naphthalene                 | 25.0        | 29.0       |               | ug/L |   | 116  | 70 - 130     |
| n-Butylbenzene              | 25.0        | 30.6       |               | ug/L |   | 122  | 70 - 130     |
| N-Propylbenzene             | 25.0        | 29.9       |               | ug/L |   | 119  | 70 - 130     |
| o-Xylene                    | 25.0        | 28.6       |               | ug/L |   | 114  | 70 - 130     |
| sec-Butylbenzene            | 25.0        | 30.8       |               | ug/L |   | 123  | 70 - 130     |
| Styrene                     | 25.0        | 29.0       |               | ug/L |   | 116  | 70 - 130     |
| Tert-amyl methyl ether      | 25.0        | 28.0       |               | ug/L |   | 112  | 70 - 130     |
| Tert-butyl ethyl ether      | 25.0        | 26.8       |               | ug/L |   | 107  | 70 - 130     |
| tert-Butylbenzene           | 25.0        | 29.4       |               | ug/L |   | 118  | 70 - 130     |

TestAmerica Buffalo

# QC Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

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

**Lab Sample ID: LCS 480-373038/5**  
**Matrix: Water**  
**Analysis Batch: 373038**

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

| Analyte                   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------|-------------|------------|---------------|------|---|------|--------------|
| Tetrachloroethene         | 25.0        | 31.5       |               | ug/L |   | 126  | 70 - 130     |
| Tetrahydrofuran           | 50.0        | 44.5       |               | ug/L |   | 89   | 70 - 130     |
| Toluene                   | 25.0        | 28.4       |               | ug/L |   | 113  | 70 - 130     |
| trans-1,2-Dichloroethene  | 25.0        | 25.5       |               | ug/L |   | 102  | 70 - 130     |
| trans-1,3-Dichloropropene | 25.0        | 29.3       |               | ug/L |   | 117  | 70 - 130     |
| Trichloroethene           | 25.0        | 26.5       |               | ug/L |   | 106  | 70 - 130     |
| Trichlorofluoromethane    | 25.0        | 26.6       |               | ug/L |   | 106  | 70 - 130     |
| Vinyl chloride            | 25.0        | 22.2       |               | ug/L |   | 89   | 70 - 130     |
| Dibromomethane            | 25.0        | 25.0       |               | ug/L |   | 100  | 70 - 130     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| Toluene-d8 (Surr)            | 99            |               | 70 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 94            |               | 70 - 130 |
| 4-Bromofluorobenzene (Surr)  | 102           |               | 70 - 130 |

**Lab Sample ID: LCSD 480-373038/9**  
**Matrix: Water**  
**Analysis Batch: 373038**

**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        | 27.5        |                | ug/L |   | 110  | 70 - 130     | 1   | 20        |
| 1,1,1-Trichloroethane       | 25.0        | 25.8        |                | ug/L |   | 103  | 70 - 130     | 3   | 20        |
| 1,1,1,2,2-Tetrachloroethane | 25.0        | 28.2        |                | ug/L |   | 113  | 70 - 130     | 2   | 20        |
| 1,1,2-Trichloroethane       | 25.0        | 27.8        |                | ug/L |   | 111  | 70 - 130     | 0   | 20        |
| 1,1-Dichloroethane          | 25.0        | 24.8        |                | ug/L |   | 99   | 70 - 130     | 3   | 20        |
| 1,1-Dichloroethene          | 25.0        | 25.6        |                | ug/L |   | 102  | 70 - 130     | 3   | 20        |
| 1,1-Dichloropropene         | 25.0        | 26.1        |                | ug/L |   | 104  | 70 - 130     | 3   | 20        |
| 1,2,3-Trichlorobenzene      | 25.0        | 28.3        |                | ug/L |   | 113  | 70 - 130     | 1   | 20        |
| 1,2,3-Trichloropropane      | 25.0        | 28.0        |                | ug/L |   | 112  | 70 - 130     | 2   | 20        |
| 1,2,4-Trichlorobenzene      | 25.0        | 28.3        |                | ug/L |   | 113  | 70 - 130     | 1   | 20        |
| 1,2,4-Trimethylbenzene      | 25.0        | 27.8        |                | ug/L |   | 111  | 70 - 130     | 5   | 20        |
| 1,2-Dibromo-3-Chloropropane | 25.0        | 26.6        |                | ug/L |   | 106  | 70 - 130     | 3   | 20        |
| 1,2-Dichlorobenzene         | 25.0        | 27.2        |                | ug/L |   | 109  | 70 - 130     | 3   | 20        |
| 1,2-Dichloroethane          | 25.0        | 23.3        |                | ug/L |   | 93   | 70 - 130     | 2   | 20        |
| 1,2-Dichloropropane         | 25.0        | 23.8        |                | ug/L |   | 95   | 70 - 130     | 4   | 20        |
| 1,3,5-Trimethylbenzene      | 25.0        | 28.5        |                | ug/L |   | 114  | 70 - 130     | 3   | 20        |
| 1,3-Dichlorobenzene         | 25.0        | 26.9        |                | ug/L |   | 108  | 70 - 130     | 4   | 20        |
| 1,3-Dichloropropane         | 25.0        | 28.2        |                | ug/L |   | 113  | 70 - 130     | 0   | 20        |
| 1,4-Dichlorobenzene         | 25.0        | 27.2        |                | ug/L |   | 109  | 70 - 130     | 2   | 20        |
| 1,4-Dioxane                 | 500         | 593         |                | ug/L |   | 119  | 70 - 130     | 0   | 20        |
| 2,2-Dichloropropane         | 25.0        | 25.5        |                | ug/L |   | 102  | 70 - 130     | 3   | 20        |
| 2-Butanone (MEK)            | 125         | 211         | *              | ug/L |   | 168  | 70 - 130     | 0   | 20        |
| 2-Chlorotoluene             | 25.0        | 31.4        |                | ug/L |   | 125  | 70 - 130     | 3   | 20        |
| 2-Hexanone                  | 125         | 187         | *              | ug/L |   | 149  | 70 - 130     | 0   | 20        |
| 4-Chlorotoluene             | 25.0        | 31.4        |                | ug/L |   | 126  | 70 - 130     | 4   | 20        |
| 4-Isopropyltoluene          | 25.0        | 28.5        |                | ug/L |   | 114  | 70 - 130     | 4   | 20        |
| 4-Methyl-2-pentanone (MIBK) | 125         | 133         |                | ug/L |   | 107  | 70 - 130     | 0   | 20        |
| Acetone                     | 125         | 114         |                | ug/L |   | 91   | 70 - 130     | 2   | 20        |

TestAmerica Buffalo



# QC Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

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

**Lab Sample ID: LCSD 480-373038/9**  
**Matrix: Water**  
**Analysis Batch: 373038**

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

| Analyte                   | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Benzene                   | 25.0        | 24.7        |                | ug/L |   | 99   | 70 - 130     | 3   | 20        |
| Bromobenzene              | 25.0        | 27.3        |                | ug/L |   | 109  | 70 - 130     | 2   | 20        |
| Bromoform                 | 25.0        | 25.2        |                | ug/L |   | 101  | 70 - 130     | 0   | 20        |
| Bromomethane              | 25.0        | 21.2        |                | ug/L |   | 85   | 70 - 130     | 2   | 20        |
| Carbon disulfide          | 25.0        | 21.5        |                | ug/L |   | 86   | 70 - 130     | 19  | 20        |
| Carbon tetrachloride      | 25.0        | 26.7        |                | ug/L |   | 107  | 70 - 130     | 4   | 20        |
| Chlorobenzene             | 25.0        | 27.5        |                | ug/L |   | 110  | 70 - 130     | 1   | 20        |
| Chlorobromomethane        | 25.0        | 25.2        |                | ug/L |   | 101  | 70 - 130     | 1   | 20        |
| Chlorodibromomethane      | 25.0        | 28.8        |                | ug/L |   | 115  | 70 - 130     | 0   | 20        |
| Chloroethane              | 25.0        | 21.4        |                | ug/L |   | 86   | 70 - 130     | 5   | 20        |
| Chloroform                | 25.0        | 24.6        |                | ug/L |   | 98   | 70 - 130     | 2   | 20        |
| Chloromethane             | 25.0        | 17.2        | *              | ug/L |   | 69   | 70 - 130     | 4   | 20        |
| cis-1,2-Dichloroethene    | 25.0        | 24.8        |                | ug/L |   | 99   | 70 - 130     | 2   | 20        |
| cis-1,3-Dichloropropene   | 25.0        | 26.0        |                | ug/L |   | 104  | 70 - 130     | 1   | 20        |
| Dichlorobromomethane      | 25.0        | 26.0        |                | ug/L |   | 104  | 70 - 130     | 0   | 20        |
| Dichlorodifluoromethane   | 25.0        | 18.7        |                | ug/L |   | 75   | 70 - 130     | 5   | 20        |
| Ethyl ether               | 25.0        | 24.4        |                | ug/L |   | 98   | 70 - 130     | 0   | 20        |
| Ethylbenzene              | 25.0        | 28.0        |                | ug/L |   | 112  | 70 - 130     | 2   | 20        |
| Ethylene Dibromide        | 25.0        | 28.6        |                | ug/L |   | 114  | 70 - 130     | 1   | 20        |
| Hexachlorobutadiene       | 25.0        | 27.9        |                | ug/L |   | 112  | 70 - 130     | 4   | 20        |
| Isopropyl ether           | 25.0        | 26.6        |                | ug/L |   | 106  | 70 - 130     | 1   | 20        |
| Isopropylbenzene          | 25.0        | 28.0        |                | ug/L |   | 112  | 70 - 130     | 5   | 20        |
| Methyl tert-butyl ether   | 25.0        | 24.7        |                | ug/L |   | 99   | 70 - 130     | 0   | 20        |
| Methylene Chloride        | 25.0        | 22.9        |                | ug/L |   | 92   | 70 - 130     | 0   | 20        |
| m-Xylene & p-Xylene       | 25.0        | 28.3        |                | ug/L |   | 113  | 70 - 130     | 2   | 20        |
| Naphthalene               | 25.0        | 28.9        |                | ug/L |   | 116  | 70 - 130     | 0   | 20        |
| n-Butylbenzene            | 25.0        | 29.0        |                | ug/L |   | 116  | 70 - 130     | 5   | 20        |
| N-Propylbenzene           | 25.0        | 28.6        |                | ug/L |   | 114  | 70 - 130     | 4   | 20        |
| o-Xylene                  | 25.0        | 28.0        |                | ug/L |   | 112  | 70 - 130     | 2   | 20        |
| sec-Butylbenzene          | 25.0        | 29.4        |                | ug/L |   | 118  | 70 - 130     | 4   | 20        |
| Styrene                   | 25.0        | 28.7        |                | ug/L |   | 115  | 70 - 130     | 1   | 20        |
| Tert-amyl methyl ether    | 25.0        | 28.2        |                | ug/L |   | 113  | 70 - 130     | 1   | 20        |
| Tert-butyl ethyl ether    | 25.0        | 27.1        |                | ug/L |   | 108  | 70 - 130     | 1   | 20        |
| tert-Butylbenzene         | 25.0        | 28.1        |                | ug/L |   | 112  | 70 - 130     | 4   | 20        |
| Tetrachloroethene         | 25.0        | 31.1        |                | ug/L |   | 124  | 70 - 130     | 1   | 20        |
| Tetrahydrofuran           | 50.0        | 45.8        |                | ug/L |   | 92   | 70 - 130     | 3   | 20        |
| Toluene                   | 25.0        | 27.9        |                | ug/L |   | 112  | 70 - 130     | 2   | 20        |
| trans-1,2-Dichloroethene  | 25.0        | 24.7        |                | ug/L |   | 99   | 70 - 130     | 3   | 20        |
| trans-1,3-Dichloropropene | 25.0        | 29.3        |                | ug/L |   | 117  | 70 - 130     | 0   | 20        |
| Trichloroethene           | 25.0        | 25.8        |                | ug/L |   | 103  | 70 - 130     | 3   | 20        |
| Trichlorofluoromethane    | 25.0        | 25.5        |                | ug/L |   | 102  | 70 - 130     | 4   | 20        |
| Vinyl chloride            | 25.0        | 21.4        |                | ug/L |   | 86   | 70 - 130     | 4   | 20        |
| Dibromomethane            | 25.0        | 24.9        |                | ug/L |   | 100  | 70 - 130     | 0   | 20        |

| Surrogate                    | LCSD LCSD |           | Limits   |
|------------------------------|-----------|-----------|----------|
|                              | %Recovery | Qualifier |          |
| Toluene-d8 (Surr)            | 101       |           | 70 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 97        |           | 70 - 130 |
| 4-Bromofluorobenzene (Surr)  | 105       |           | 70 - 130 |

TestAmerica Buffalo

# QC Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

Lab Sample ID: MB 480-373188/8  
Matrix: Water  
Analysis Batch: 373188

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 |   |          | 08/22/17 00:46 | 1       |
| 1,1,1-Trichloroethane       | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND        |              | 0.50 |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| 1,1,2-Trichloroethane       | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| 1,1-Dichloroethane          | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| 1,1-Dichloroethene          | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| 1,1-Dichloropropene         | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| 1,2,3-Trichlorobenzene      | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| 1,2,3-Trichloropropane      | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| 1,2,4-Trichlorobenzene      | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| 1,2,4-Trimethylbenzene      | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND        |              | 5.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| 1,2-Dichlorobenzene         | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| 1,2-Dichloroethane          | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| 1,2-Dichloropropane         | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| 1,3,5-Trimethylbenzene      | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| 1,3-Dichlorobenzene         | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| 1,3-Dichloropropane         | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| 1,4-Dichlorobenzene         | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| 1,4-Dioxane                 | ND        |              | 50   |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| 2,2-Dichloropropane         | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| 2-Butanone (MEK)            | ND        |              | 10   |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| 2-Chlorotoluene             | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| 2-Hexanone                  | ND        |              | 10   |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| 4-Chlorotoluene             | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| 4-Isopropyltoluene          | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND        |              | 10   |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| Acetone                     | ND        |              | 50   |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| Benzene                     | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| Bromobenzene                | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| Bromoform                   | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| Bromomethane                | ND        |              | 2.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| Carbon disulfide            | ND        |              | 10   |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| Carbon tetrachloride        | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| Chlorobenzene               | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| Chlorobromomethane          | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| Chlorodibromomethane        | ND        |              | 0.50 |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| Chloroethane                | ND        |              | 2.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| Chloroform                  | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| Chloromethane               | ND        |              | 2.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| cis-1,2-Dichloroethene      | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| cis-1,3-Dichloropropane     | ND        |              | 0.40 |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| Dichlorobromomethane        | ND        |              | 0.50 |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| Dichlorodifluoromethane     | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| Ethyl ether                 | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| Ethylbenzene                | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| Ethylene Dibromide          | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| Hexachlorobutadiene         | ND        |              | 0.40 |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| Isopropyl ether             | ND        |              | 10   |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| Isopropylbenzene            | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |

TestAmerica Buffalo

# QC Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

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

**Lab Sample ID: MB 480-373188/8**  
**Matrix: Water**  
**Analysis Batch: 373188**

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

| Analyte                   | MB Result | MB Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|--------------|------|-----|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| Methylene Chloride        | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| m-Xylene & p-Xylene       | ND        |              | 2.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| Naphthalene               | ND        |              | 5.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| n-Butylbenzene            | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| N-Propylbenzene           | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| o-Xylene                  | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| sec-Butylbenzene          | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| Styrene                   | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| Tert-amyl methyl ether    | ND        |              | 5.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| Tert-butyl ethyl ether    | ND        |              | 5.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| tert-Butylbenzene         | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| Tetrachloroethene         | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| Tetrahydrofuran           | ND        |              | 10   |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| Toluene                   | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| trans-1,2-Dichloroethene  | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| trans-1,3-Dichloropropene | ND        |              | 0.40 |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| Trichloroethene           | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| Trichlorofluoromethane    | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| Vinyl chloride            | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |
| Dibromomethane            | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:46 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| Toluene-d8 (Surr)            | 100          |              | 70 - 130 |          | 08/22/17 00:46 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 100          |              | 70 - 130 |          | 08/22/17 00:46 | 1       |
| 4-Bromofluorobenzene (Surr)  | 101          |              | 70 - 130 |          | 08/22/17 00:46 | 1       |

**Lab Sample ID: LCS 480-373188/5**  
**Matrix: Water**  
**Analysis Batch: 373188**

**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        | 25.2       |               | ug/L |   | 101  | 70 - 130     |
| 1,1,1-Trichloroethane       | 25.0        | 22.9       |               | ug/L |   | 92   | 70 - 130     |
| 1,1,1,2,2-Tetrachloroethane | 25.0        | 26.5       |               | ug/L |   | 106  | 70 - 130     |
| 1,1,2-Trichloroethane       | 25.0        | 25.8       |               | ug/L |   | 103  | 70 - 130     |
| 1,1-Dichloroethane          | 25.0        | 22.1       |               | ug/L |   | 88   | 70 - 130     |
| 1,1-Dichloroethene          | 25.0        | 22.3       |               | ug/L |   | 89   | 70 - 130     |
| 1,1-Dichloropropene         | 25.0        | 22.5       |               | ug/L |   | 90   | 70 - 130     |
| 1,2,3-Trichlorobenzene      | 25.0        | 26.4       |               | ug/L |   | 105  | 70 - 130     |
| 1,2,3-Trichloropropane      | 25.0        | 26.0       |               | ug/L |   | 104  | 70 - 130     |
| 1,2,4-Trichlorobenzene      | 25.0        | 25.7       |               | ug/L |   | 103  | 70 - 130     |
| 1,2,4-Trimethylbenzene      | 25.0        | 25.3       |               | ug/L |   | 101  | 70 - 130     |
| 1,2-Dibromo-3-Chloropropane | 25.0        | 25.2       |               | ug/L |   | 101  | 70 - 130     |
| 1,2-Dichlorobenzene         | 25.0        | 24.7       |               | ug/L |   | 99   | 70 - 130     |
| 1,2-Dichloroethane          | 25.0        | 21.9       |               | ug/L |   | 88   | 70 - 130     |
| 1,2-Dichloropropane         | 25.0        | 21.9       |               | ug/L |   | 88   | 70 - 130     |
| 1,3,5-Trimethylbenzene      | 25.0        | 25.5       |               | ug/L |   | 102  | 70 - 130     |

TestAmerica Buffalo

# QC Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

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

**Lab Sample ID: LCS 480-373188/5**

**Matrix: Water**

**Analysis Batch: 373188**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,3-Dichlorobenzene         | 25.0        | 24.7       |               | ug/L |   | 99   | 70 - 130     |
| 1,3-Dichloropropane         | 25.0        | 25.5       |               | ug/L |   | 102  | 70 - 130     |
| 1,4-Dichlorobenzene         | 25.0        | 24.4       |               | ug/L |   | 97   | 70 - 130     |
| 1,4-Dioxane                 | 500         | 585        |               | ug/L |   | 117  | 70 - 130     |
| 2,2-Dichloropropane         | 25.0        | 22.5       |               | ug/L |   | 90   | 70 - 130     |
| 2-Butanone (MEK)            | 125         | 194        | *             | ug/L |   | 156  | 70 - 130     |
| 2-Chlorotoluene             | 25.0        | 28.2       |               | ug/L |   | 113  | 70 - 130     |
| 2-Hexanone                  | 125         | 171        | *             | ug/L |   | 137  | 70 - 130     |
| 4-Chlorotoluene             | 25.0        | 29.2       |               | ug/L |   | 117  | 70 - 130     |
| 4-Isopropyltoluene          | 25.0        | 25.6       |               | ug/L |   | 102  | 70 - 130     |
| 4-Methyl-2-pentanone (MIBK) | 125         | 124        |               | ug/L |   | 99   | 70 - 130     |
| Acetone                     | 125         | 111        |               | ug/L |   | 89   | 70 - 130     |
| Benzene                     | 25.0        | 22.3       |               | ug/L |   | 89   | 70 - 130     |
| Bromobenzene                | 25.0        | 24.8       |               | ug/L |   | 99   | 70 - 130     |
| Bromoform                   | 25.0        | 22.6       |               | ug/L |   | 91   | 70 - 130     |
| Bromomethane                | 25.0        | 19.8       |               | ug/L |   | 79   | 70 - 130     |
| Carbon disulfide            | 25.0        | 21.2       |               | ug/L |   | 85   | 70 - 130     |
| Carbon tetrachloride        | 25.0        | 23.4       |               | ug/L |   | 94   | 70 - 130     |
| Chlorobenzene               | 25.0        | 24.4       |               | ug/L |   | 98   | 70 - 130     |
| Chlorobromomethane          | 25.0        | 22.7       |               | ug/L |   | 91   | 70 - 130     |
| Chlorodibromomethane        | 25.0        | 26.0       |               | ug/L |   | 104  | 70 - 130     |
| Chloroethane                | 25.0        | 20.3       |               | ug/L |   | 81   | 70 - 130     |
| Chloroform                  | 25.0        | 22.1       |               | ug/L |   | 88   | 70 - 130     |
| Chloromethane               | 25.0        | 16.8       | *             | ug/L |   | 67   | 70 - 130     |
| cis-1,2-Dichloroethene      | 25.0        | 22.3       |               | ug/L |   | 89   | 70 - 130     |
| cis-1,3-Dichloropropene     | 25.0        | 23.3       |               | ug/L |   | 93   | 70 - 130     |
| Dichlorobromomethane        | 25.0        | 23.3       |               | ug/L |   | 93   | 70 - 130     |
| Dichlorodifluoromethane     | 25.0        | 19.2       |               | ug/L |   | 77   | 70 - 130     |
| Ethyl ether                 | 25.0        | 22.3       |               | ug/L |   | 89   | 70 - 130     |
| Ethylbenzene                | 25.0        | 24.6       |               | ug/L |   | 98   | 70 - 130     |
| Ethylene Dibromide          | 25.0        | 25.7       |               | ug/L |   | 103  | 70 - 130     |
| Hexachlorobutadiene         | 25.0        | 24.2       |               | ug/L |   | 97   | 70 - 130     |
| Isopropyl ether             | 25.0        | 24.3       |               | ug/L |   | 97   | 70 - 130     |
| Isopropylbenzene            | 25.0        | 25.6       |               | ug/L |   | 102  | 70 - 130     |
| Methyl tert-butyl ether     | 25.0        | 22.5       |               | ug/L |   | 90   | 70 - 130     |
| Methylene Chloride          | 25.0        | 20.5       |               | ug/L |   | 82   | 70 - 130     |
| m-Xylene & p-Xylene         | 25.0        | 25.0       |               | ug/L |   | 100  | 70 - 130     |
| Naphthalene                 | 25.0        | 26.8       |               | ug/L |   | 107  | 70 - 130     |
| n-Butylbenzene              | 25.0        | 25.9       |               | ug/L |   | 104  | 70 - 130     |
| N-Propylbenzene             | 25.0        | 25.6       |               | ug/L |   | 102  | 70 - 130     |
| o-Xylene                    | 25.0        | 24.8       |               | ug/L |   | 99   | 70 - 130     |
| sec-Butylbenzene            | 25.0        | 26.4       |               | ug/L |   | 106  | 70 - 130     |
| Styrene                     | 25.0        | 25.5       |               | ug/L |   | 102  | 70 - 130     |
| Tert-amyl methyl ether      | 25.0        | 25.9       |               | ug/L |   | 103  | 70 - 130     |
| Tert-butyl ethyl ether      | 25.0        | 24.7       |               | ug/L |   | 99   | 70 - 130     |
| tert-Butylbenzene           | 25.0        | 24.9       |               | ug/L |   | 100  | 70 - 130     |
| Tetrachloroethene           | 25.0        | 29.1       |               | ug/L |   | 116  | 70 - 130     |
| Tetrahydrofuran             | 50.0        | 42.8       |               | ug/L |   | 86   | 70 - 130     |

TestAmerica Buffalo

# QC Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

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

**Lab Sample ID: LCS 480-373188/5**

**Matrix: Water**

**Analysis Batch: 373188**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

| Analyte                   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------|-------------|------------|---------------|------|---|------|--------------|
| Toluene                   | 25.0        | 24.3       |               | ug/L |   | 97   | 70 - 130     |
| trans-1,2-Dichloroethene  | 25.0        | 21.5       |               | ug/L |   | 86   | 70 - 130     |
| trans-1,3-Dichloropropene | 25.0        | 26.2       |               | ug/L |   | 105  | 70 - 130     |
| Trichloroethene           | 25.0        | 23.1       |               | ug/L |   | 92   | 70 - 130     |
| Trichlorofluoromethane    | 25.0        | 23.2       |               | ug/L |   | 93   | 70 - 130     |
| Vinyl chloride            | 25.0        | 20.1       |               | ug/L |   | 80   | 70 - 130     |
| Dibromomethane            | 25.0        | 22.9       |               | ug/L |   | 92   | 70 - 130     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| Toluene-d8 (Surr)            | 99            |               | 70 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 95            |               | 70 - 130 |
| 4-Bromofluorobenzene (Surr)  | 102           |               | 70 - 130 |

**Lab Sample ID: LCSD 480-373188/6**

**Matrix: Water**

**Analysis Batch: 373188**

**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        | 25.7        |                | ug/L |   | 103  | 70 - 130     | 2   | 20        |
| 1,1,1-Trichloroethane       | 25.0        | 24.0        |                | ug/L |   | 96   | 70 - 130     | 5   | 20        |
| 1,1,1,2,2-Tetrachloroethane | 25.0        | 26.0        |                | ug/L |   | 104  | 70 - 130     | 2   | 20        |
| 1,1,2-Trichloroethane       | 25.0        | 26.3        |                | ug/L |   | 105  | 70 - 130     | 2   | 20        |
| 1,1-Dichloroethane          | 25.0        | 23.0        |                | ug/L |   | 92   | 70 - 130     | 4   | 20        |
| 1,1-Dichloroethene          | 25.0        | 23.3        |                | ug/L |   | 93   | 70 - 130     | 4   | 20        |
| 1,1-Dichloropropene         | 25.0        | 23.9        |                | ug/L |   | 96   | 70 - 130     | 6   | 20        |
| 1,2,3-Trichlorobenzene      | 25.0        | 26.5        |                | ug/L |   | 106  | 70 - 130     | 1   | 20        |
| 1,2,3-Trichloropropane      | 25.0        | 25.8        |                | ug/L |   | 103  | 70 - 130     | 1   | 20        |
| 1,2,4-Trichlorobenzene      | 25.0        | 26.0        |                | ug/L |   | 104  | 70 - 130     | 1   | 20        |
| 1,2,4-Trimethylbenzene      | 25.0        | 26.0        |                | ug/L |   | 104  | 70 - 130     | 3   | 20        |
| 1,2-Dibromo-3-Chloropropane | 25.0        | 24.7        |                | ug/L |   | 99   | 70 - 130     | 2   | 20        |
| 1,2-Dichlorobenzene         | 25.0        | 25.2        |                | ug/L |   | 101  | 70 - 130     | 2   | 20        |
| 1,2-Dichloroethane          | 25.0        | 22.2        |                | ug/L |   | 89   | 70 - 130     | 1   | 20        |
| 1,2-Dichloropropane         | 25.0        | 22.7        |                | ug/L |   | 91   | 70 - 130     | 3   | 20        |
| 1,3,5-Trimethylbenzene      | 25.0        | 26.1        |                | ug/L |   | 104  | 70 - 130     | 2   | 20        |
| 1,3-Dichlorobenzene         | 25.0        | 25.1        |                | ug/L |   | 100  | 70 - 130     | 2   | 20        |
| 1,3-Dichloropropane         | 25.0        | 26.0        |                | ug/L |   | 104  | 70 - 130     | 2   | 20        |
| 1,4-Dichlorobenzene         | 25.0        | 25.0        |                | ug/L |   | 100  | 70 - 130     | 3   | 20        |
| 1,4-Dioxane                 | 500         | 595         |                | ug/L |   | 119  | 70 - 130     | 2   | 20        |
| 2,2-Dichloropropane         | 25.0        | 23.3        |                | ug/L |   | 93   | 70 - 130     | 4   | 20        |
| 2-Butanone (MEK)            | 125         | 196         | *              | ug/L |   | 156  | 70 - 130     | 1   | 20        |
| 2-Chlorotoluene             | 25.0        | 29.1        |                | ug/L |   | 116  | 70 - 130     | 3   | 20        |
| 2-Hexanone                  | 125         | 171         | *              | ug/L |   | 137  | 70 - 130     | 0   | 20        |
| 4-Chlorotoluene             | 25.0        | 28.9        |                | ug/L |   | 116  | 70 - 130     | 1   | 20        |
| 4-Isopropyltoluene          | 25.0        | 26.3        |                | ug/L |   | 105  | 70 - 130     | 3   | 20        |
| 4-Methyl-2-pentanone (MIBK) | 125         | 124         |                | ug/L |   | 99   | 70 - 130     | 0   | 20        |
| Acetone                     | 125         | 112         |                | ug/L |   | 89   | 70 - 130     | 0   | 20        |
| Benzene                     | 25.0        | 23.4        |                | ug/L |   | 93   | 70 - 130     | 5   | 20        |
| Bromobenzene                | 25.0        | 25.4        |                | ug/L |   | 102  | 70 - 130     | 2   | 20        |

TestAmerica Buffalo

# QC Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

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

Lab Sample ID: LCSD 480-373188/6

Matrix: Water

Analysis Batch: 373188

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 |
|---------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Bromoform                 | 25.0        | 23.0        |                | ug/L |   | 92   | 70 - 130     | 1   | 20        |
| Bromomethane              | 25.0        | 20.6        |                | ug/L |   | 83   | 70 - 130     | 4   | 20        |
| Carbon disulfide          | 25.0        | 22.4        |                | ug/L |   | 90   | 70 - 130     | 6   | 20        |
| Carbon tetrachloride      | 25.0        | 24.7        |                | ug/L |   | 99   | 70 - 130     | 5   | 20        |
| Chlorobenzene             | 25.0        | 25.1        |                | ug/L |   | 100  | 70 - 130     | 3   | 20        |
| Chlorobromomethane        | 25.0        | 23.5        |                | ug/L |   | 94   | 70 - 130     | 4   | 20        |
| Chlorodibromomethane      | 25.0        | 26.1        |                | ug/L |   | 104  | 70 - 130     | 0   | 20        |
| Chloroethane              | 25.0        | 21.5        |                | ug/L |   | 86   | 70 - 130     | 6   | 20        |
| Chloroform                | 25.0        | 23.2        |                | ug/L |   | 93   | 70 - 130     | 5   | 20        |
| Chloromethane             | 25.0        | 17.5        |                | ug/L |   | 70   | 70 - 130     | 4   | 20        |
| cis-1,2-Dichloroethene    | 25.0        | 23.1        |                | ug/L |   | 92   | 70 - 130     | 4   | 20        |
| cis-1,3-Dichloropropene   | 25.0        | 24.3        |                | ug/L |   | 97   | 70 - 130     | 4   | 20        |
| Dichlorobromomethane      | 25.0        | 24.2        |                | ug/L |   | 97   | 70 - 130     | 4   | 20        |
| Dichlorodifluoromethane   | 25.0        | 20.7        |                | ug/L |   | 83   | 70 - 130     | 8   | 20        |
| Ethyl ether               | 25.0        | 22.4        |                | ug/L |   | 90   | 70 - 130     | 0   | 20        |
| Ethylbenzene              | 25.0        | 25.3        |                | ug/L |   | 101  | 70 - 130     | 3   | 20        |
| Ethylene Dibromide        | 25.0        | 26.1        |                | ug/L |   | 104  | 70 - 130     | 2   | 20        |
| Hexachlorobutadiene       | 25.0        | 24.7        |                | ug/L |   | 99   | 70 - 130     | 2   | 20        |
| Isopropyl ether           | 25.0        | 25.1        |                | ug/L |   | 100  | 70 - 130     | 3   | 20        |
| Isopropylbenzene          | 25.0        | 26.2        |                | ug/L |   | 105  | 70 - 130     | 2   | 20        |
| Methyl tert-butyl ether   | 25.0        | 23.2        |                | ug/L |   | 93   | 70 - 130     | 3   | 20        |
| Methylene Chloride        | 25.0        | 21.3        |                | ug/L |   | 85   | 70 - 130     | 4   | 20        |
| m-Xylene & p-Xylene       | 25.0        | 25.7        |                | ug/L |   | 103  | 70 - 130     | 3   | 20        |
| Naphthalene               | 25.0        | 26.6        |                | ug/L |   | 106  | 70 - 130     | 1   | 20        |
| n-Butylbenzene            | 25.0        | 26.6        |                | ug/L |   | 107  | 70 - 130     | 3   | 20        |
| N-Propylbenzene           | 25.0        | 26.3        |                | ug/L |   | 105  | 70 - 130     | 3   | 20        |
| o-Xylene                  | 25.0        | 25.6        |                | ug/L |   | 102  | 70 - 130     | 3   | 20        |
| sec-Butylbenzene          | 25.0        | 27.1        |                | ug/L |   | 108  | 70 - 130     | 2   | 20        |
| Styrene                   | 25.0        | 26.3        |                | ug/L |   | 105  | 70 - 130     | 3   | 20        |
| Tert-amyl methyl ether    | 25.0        | 26.6        |                | ug/L |   | 106  | 70 - 130     | 3   | 20        |
| Tert-butyl ethyl ether    | 25.0        | 25.8        |                | ug/L |   | 103  | 70 - 130     | 4   | 20        |
| tert-Butylbenzene         | 25.0        | 25.9        |                | ug/L |   | 103  | 70 - 130     | 4   | 20        |
| Tetrachloroethene         | 25.0        | 31.6        |                | ug/L |   | 126  | 70 - 130     | 8   | 20        |
| Tetrahydrofuran           | 50.0        | 42.4        |                | ug/L |   | 85   | 70 - 130     | 1   | 20        |
| Toluene                   | 25.0        | 25.5        |                | ug/L |   | 102  | 70 - 130     | 5   | 20        |
| trans-1,2-Dichloroethene  | 25.0        | 22.7        |                | ug/L |   | 91   | 70 - 130     | 5   | 20        |
| trans-1,3-Dichloropropene | 25.0        | 26.6        |                | ug/L |   | 107  | 70 - 130     | 2   | 20        |
| Trichloroethene           | 25.0        | 24.2        |                | ug/L |   | 97   | 70 - 130     | 5   | 20        |
| Trichlorofluoromethane    | 25.0        | 24.4        |                | ug/L |   | 98   | 70 - 130     | 5   | 20        |
| Vinyl chloride            | 25.0        | 21.0        |                | ug/L |   | 84   | 70 - 130     | 4   | 20        |
| Dibromomethane            | 25.0        | 23.1        |                | ug/L |   | 92   | 70 - 130     | 1   | 20        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| Toluene-d8 (Surr)            | 100            |                | 70 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 94             |                | 70 - 130 |
| 4-Bromofluorobenzene (Surr)  | 102            |                | 70 - 130 |

TestAmerica Buffalo

# QC Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

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

**Lab Sample ID: MB 480-373193/11**  
**Matrix: Water**  
**Analysis Batch: 373193**

**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 |   |          | 08/22/17 00:37 | 1       |
| 1,1,1-Trichloroethane       | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND        |              | 0.50 |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| 1,1,2-Trichloroethane       | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| 1,1-Dichloroethane          | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| 1,1-Dichloroethene          | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| 1,1-Dichloropropene         | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| 1,2,3-Trichlorobenzene      | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| 1,2,3-Trichloropropane      | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| 1,2,4-Trichlorobenzene      | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| 1,2,4-Trimethylbenzene      | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND        |              | 5.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| 1,2-Dichlorobenzene         | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| 1,2-Dichloroethane          | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| 1,2-Dichloropropane         | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| 1,3,5-Trimethylbenzene      | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| 1,3-Dichlorobenzene         | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| 1,3-Dichloropropane         | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| 1,4-Dichlorobenzene         | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| 1,4-Dioxane                 | ND        |              | 50   |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| 2,2-Dichloropropane         | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| 2-Butanone (MEK)            | ND        |              | 10   |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| 2-Chlorotoluene             | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| 2-Hexanone                  | ND        |              | 10   |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| 4-Chlorotoluene             | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| 4-Isopropyltoluene          | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND        |              | 10   |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| Acetone                     | ND        |              | 50   |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| Benzene                     | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| Bromobenzene                | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| Bromoform                   | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| Bromomethane                | ND        |              | 2.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| Carbon disulfide            | ND        |              | 10   |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| Carbon tetrachloride        | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| Chlorobenzene               | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| Chlorobromomethane          | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| Chlorodibromomethane        | ND        |              | 0.50 |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| Chloroethane                | ND        |              | 2.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| Chloroform                  | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| Chloromethane               | ND        |              | 2.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| cis-1,2-Dichloroethene      | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| cis-1,3-Dichloropropene     | ND        |              | 0.40 |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| Dichlorobromomethane        | ND        |              | 0.50 |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| Dichlorodifluoromethane     | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| Ethyl ether                 | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| Ethylbenzene                | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| Ethylene Dibromide          | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| Hexachlorobutadiene         | ND        |              | 0.40 |     | ug/L |   |          | 08/22/17 00:37 | 1       |

TestAmerica Buffalo



# QC Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

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

**Lab Sample ID: MB 480-373193/11**  
**Matrix: Water**  
**Analysis Batch: 373193**

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

| Analyte                   | MB Result | MB Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|--------------|------|-----|------|---|----------|----------------|---------|
| Isopropyl ether           | ND        |              | 10   |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| Isopropylbenzene          | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| Methyl tert-butyl ether   | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| Methylene Chloride        | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| m-Xylene & p-Xylene       | ND        |              | 2.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| Naphthalene               | ND        |              | 5.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| n-Butylbenzene            | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| N-Propylbenzene           | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| o-Xylene                  | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| sec-Butylbenzene          | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| Styrene                   | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| Tert-amyl methyl ether    | ND        |              | 5.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| Tert-butyl ethyl ether    | ND        |              | 5.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| tert-Butylbenzene         | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| Tetrachloroethene         | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| Tetrahydrofuran           | ND        |              | 10   |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| Toluene                   | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| trans-1,2-Dichloroethene  | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| trans-1,3-Dichloropropene | ND        |              | 0.40 |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| Trichloroethene           | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| Trichlorofluoromethane    | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| Vinyl chloride            | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |
| Dibromomethane            | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 00:37 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| Toluene-d8 (Surr)            | 100          |              | 70 - 130 |          | 08/22/17 00:37 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 102          |              | 70 - 130 |          | 08/22/17 00:37 | 1       |
| 4-Bromofluorobenzene (Surr)  | 96           |              | 70 - 130 |          | 08/22/17 00:37 | 1       |

**Lab Sample ID: LCS 480-373193/8**  
**Matrix: Water**  
**Analysis Batch: 373193**

**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        | 27.2       |               | ug/L |   | 109  | 70 - 130     |
| 1,1,1-Trichloroethane       | 25.0        | 28.1       |               | ug/L |   | 113  | 70 - 130     |
| 1,1,2,2-Tetrachloroethane   | 25.0        | 27.3       |               | ug/L |   | 109  | 70 - 130     |
| 1,1,2-Trichloroethane       | 25.0        | 24.4       |               | ug/L |   | 98   | 70 - 130     |
| 1,1-Dichloroethane          | 25.0        | 27.6       |               | ug/L |   | 111  | 70 - 130     |
| 1,1-Dichloroethene          | 25.0        | 25.9       |               | ug/L |   | 104  | 70 - 130     |
| 1,1-Dichloropropene         | 25.0        | 26.9       |               | ug/L |   | 108  | 70 - 130     |
| 1,2,3-Trichlorobenzene      | 25.0        | 26.4       |               | ug/L |   | 106  | 70 - 130     |
| 1,2,3-Trichloropropane      | 25.0        | 25.9       |               | ug/L |   | 104  | 70 - 130     |
| 1,2,4-Trichlorobenzene      | 25.0        | 25.7       |               | ug/L |   | 103  | 70 - 130     |
| 1,2,4-Trimethylbenzene      | 25.0        | 26.7       |               | ug/L |   | 107  | 70 - 130     |
| 1,2-Dibromo-3-Chloropropane | 25.0        | 24.3       |               | ug/L |   | 97   | 70 - 130     |
| 1,2-Dichlorobenzene         | 25.0        | 25.7       |               | ug/L |   | 103  | 70 - 130     |
| 1,2-Dichloroethane          | 25.0        | 25.9       |               | ug/L |   | 104  | 70 - 130     |

TestAmerica Buffalo

# QC Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

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

**Lab Sample ID: LCS 480-373193/8**

**Matrix: Water**

**Analysis Batch: 373193**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,2-Dichloropropane         | 25.0        | 26.3       |               | ug/L |   | 105  | 70 - 130     |
| 1,3,5-Trimethylbenzene      | 25.0        | 27.0       |               | ug/L |   | 108  | 70 - 130     |
| 1,3-Dichlorobenzene         | 25.0        | 24.9       |               | ug/L |   | 99   | 70 - 130     |
| 1,3-Dichloropropane         | 25.0        | 25.2       |               | ug/L |   | 101  | 70 - 130     |
| 1,4-Dichlorobenzene         | 25.0        | 25.8       |               | ug/L |   | 103  | 70 - 130     |
| 1,4-Dioxane                 | 500         | 470        |               | ug/L |   | 94   | 70 - 130     |
| 2,2-Dichloropropane         | 25.0        | 27.6       |               | ug/L |   | 110  | 70 - 130     |
| 2-Butanone (MEK)            | 125         | 132        |               | ug/L |   | 105  | 70 - 130     |
| 2-Chlorotoluene             | 25.0        | 26.8       |               | ug/L |   | 107  | 70 - 130     |
| 2-Hexanone                  | 125         | 133        |               | ug/L |   | 106  | 70 - 130     |
| 4-Chlorotoluene             | 25.0        | 25.8       |               | ug/L |   | 103  | 70 - 130     |
| 4-Isopropyltoluene          | 25.0        | 27.5       |               | ug/L |   | 110  | 70 - 130     |
| 4-Methyl-2-pentanone (MIBK) | 125         | 130        |               | ug/L |   | 104  | 70 - 130     |
| Acetone                     | 125         | 135        |               | ug/L |   | 108  | 70 - 130     |
| Benzene                     | 25.0        | 26.5       |               | ug/L |   | 106  | 70 - 130     |
| Bromobenzene                | 25.0        | 25.5       |               | ug/L |   | 102  | 70 - 130     |
| Bromoform                   | 25.0        | 33.9       | *             | ug/L |   | 136  | 70 - 130     |
| Bromomethane                | 25.0        | 23.4       |               | ug/L |   | 94   | 70 - 130     |
| Carbon disulfide            | 25.0        | 26.3       |               | ug/L |   | 105  | 70 - 130     |
| Carbon tetrachloride        | 25.0        | 29.1       |               | ug/L |   | 116  | 70 - 130     |
| Chlorobenzene               | 25.0        | 25.3       |               | ug/L |   | 101  | 70 - 130     |
| Chlorobromomethane          | 25.0        | 25.7       |               | ug/L |   | 103  | 70 - 130     |
| Chlorodibromomethane        | 25.0        | 23.2       |               | ug/L |   | 93   | 70 - 130     |
| Chloroethane                | 25.0        | 25.4       |               | ug/L |   | 102  | 70 - 130     |
| Chloroform                  | 25.0        | 26.5       |               | ug/L |   | 106  | 70 - 130     |
| Chloromethane               | 25.0        | 23.9       |               | ug/L |   | 96   | 70 - 130     |
| cis-1,2-Dichloroethene      | 25.0        | 27.1       |               | ug/L |   | 109  | 70 - 130     |
| cis-1,3-Dichloropropene     | 25.0        | 28.4       |               | ug/L |   | 114  | 70 - 130     |
| Dichlorobromomethane        | 25.0        | 28.7       |               | ug/L |   | 115  | 70 - 130     |
| Dichlorodifluoromethane     | 25.0        | 23.3       |               | ug/L |   | 93   | 70 - 130     |
| Ethyl ether                 | 25.0        | 25.5       |               | ug/L |   | 102  | 70 - 130     |
| Ethylbenzene                | 25.0        | 26.1       |               | ug/L |   | 104  | 70 - 130     |
| Ethylene Dibromide          | 25.0        | 25.8       |               | ug/L |   | 103  | 70 - 130     |
| Hexachlorobutadiene         | 25.0        | 28.3       |               | ug/L |   | 113  | 70 - 130     |
| Isopropyl ether             | 25.0        | 25.8       |               | ug/L |   | 103  | 70 - 130     |
| Isopropylbenzene            | 25.0        | 27.1       |               | ug/L |   | 108  | 70 - 130     |
| Methyl tert-butyl ether     | 25.0        | 25.7       |               | ug/L |   | 103  | 70 - 130     |
| Methylene Chloride          | 25.0        | 25.1       |               | ug/L |   | 100  | 70 - 130     |
| m-Xylene & p-Xylene         | 25.0        | 26.4       |               | ug/L |   | 106  | 70 - 130     |
| Naphthalene                 | 25.0        | 27.2       |               | ug/L |   | 109  | 70 - 130     |
| n-Butylbenzene              | 25.0        | 27.6       |               | ug/L |   | 110  | 70 - 130     |
| N-Propylbenzene             | 25.0        | 26.7       |               | ug/L |   | 107  | 70 - 130     |
| o-Xylene                    | 25.0        | 26.0       |               | ug/L |   | 104  | 70 - 130     |
| sec-Butylbenzene            | 25.0        | 26.9       |               | ug/L |   | 108  | 70 - 130     |
| Styrene                     | 25.0        | 26.3       |               | ug/L |   | 105  | 70 - 130     |
| Tert-amyl methyl ether      | 25.0        | 26.5       |               | ug/L |   | 106  | 70 - 130     |
| Tert-butyl ethyl ether      | 25.0        | 25.9       |               | ug/L |   | 104  | 70 - 130     |
| tert-Butylbenzene           | 25.0        | 26.7       |               | ug/L |   | 107  | 70 - 130     |

TestAmerica Buffalo

# QC Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

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

**Lab Sample ID: LCS 480-373193/8**  
**Matrix: Water**  
**Analysis Batch: 373193**

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

| Analyte                   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------|-------------|------------|---------------|------|---|------|--------------|
| Tetrachloroethene         | 25.0        | 27.8       |               | ug/L |   | 111  | 70 - 130     |
| Tetrahydrofuran           | 50.0        | 72.0       | *             | ug/L |   | 144  | 70 - 130     |
| Toluene                   | 25.0        | 25.4       |               | ug/L |   | 102  | 70 - 130     |
| trans-1,2-Dichloroethene  | 25.0        | 27.3       |               | ug/L |   | 109  | 70 - 130     |
| trans-1,3-Dichloropropene | 25.0        | 24.9       |               | ug/L |   | 100  | 70 - 130     |
| Trichloroethene           | 25.0        | 26.2       |               | ug/L |   | 105  | 70 - 130     |
| Trichlorofluoromethane    | 25.0        | 28.3       |               | ug/L |   | 113  | 70 - 130     |
| Vinyl chloride            | 25.0        | 26.3       |               | ug/L |   | 105  | 70 - 130     |
| Dibromomethane            | 25.0        | 25.9       |               | ug/L |   | 103  | 70 - 130     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | LCS Limits |
|------------------------------|---------------|---------------|------------|
| Toluene-d8 (Surr)            | 97            |               | 70 - 130   |
| 1,2-Dichloroethane-d4 (Surr) | 103           |               | 70 - 130   |
| 4-Bromofluorobenzene (Surr)  | 98            |               | 70 - 130   |

**Lab Sample ID: LCSD 480-373193/9**  
**Matrix: Water**  
**Analysis Batch: 373193**

**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        | 28.6        |                | ug/L |   | 115  | 70 - 130     | 5   | 20        |
| 1,1,1-Trichloroethane       | 25.0        | 29.8        |                | ug/L |   | 119  | 70 - 130     | 6   | 20        |
| 1,1,1,2,2-Tetrachloroethane | 25.0        | 26.9        |                | ug/L |   | 107  | 70 - 130     | 2   | 20        |
| 1,1,1,2-Trichloroethane     | 25.0        | 25.2        |                | ug/L |   | 101  | 70 - 130     | 3   | 20        |
| 1,1-Dichloroethane          | 25.0        | 28.0        |                | ug/L |   | 112  | 70 - 130     | 1   | 20        |
| 1,1-Dichloroethene          | 25.0        | 27.8        |                | ug/L |   | 111  | 70 - 130     | 7   | 20        |
| 1,1-Dichloropropene         | 25.0        | 28.6        |                | ug/L |   | 115  | 70 - 130     | 6   | 20        |
| 1,2,3-Trichlorobenzene      | 25.0        | 26.1        |                | ug/L |   | 104  | 70 - 130     | 1   | 20        |
| 1,2,3-Trichloropropane      | 25.0        | 25.5        |                | ug/L |   | 102  | 70 - 130     | 2   | 20        |
| 1,2,4-Trichlorobenzene      | 25.0        | 26.0        |                | ug/L |   | 104  | 70 - 130     | 1   | 20        |
| 1,2,4-Trimethylbenzene      | 25.0        | 27.3        |                | ug/L |   | 109  | 70 - 130     | 2   | 20        |
| 1,2-Dibromo-3-Chloropropane | 25.0        | 24.3        |                | ug/L |   | 97   | 70 - 130     | 0   | 20        |
| 1,2-Dichlorobenzene         | 25.0        | 25.8        |                | ug/L |   | 103  | 70 - 130     | 0   | 20        |
| 1,2-Dichloroethane          | 25.0        | 26.1        |                | ug/L |   | 104  | 70 - 130     | 1   | 20        |
| 1,2-Dichloropropane         | 25.0        | 26.6        |                | ug/L |   | 107  | 70 - 130     | 1   | 20        |
| 1,3,5-Trimethylbenzene      | 25.0        | 27.7        |                | ug/L |   | 111  | 70 - 130     | 2   | 20        |
| 1,3-Dichlorobenzene         | 25.0        | 25.7        |                | ug/L |   | 103  | 70 - 130     | 3   | 20        |
| 1,3-Dichloropropane         | 25.0        | 25.2        |                | ug/L |   | 101  | 70 - 130     | 0   | 20        |
| 1,4-Dichlorobenzene         | 25.0        | 26.3        |                | ug/L |   | 105  | 70 - 130     | 2   | 20        |
| 1,4-Dioxane                 | 500         | 495         |                | ug/L |   | 99   | 70 - 130     | 5   | 20        |
| 2,2-Dichloropropane         | 25.0        | 28.5        |                | ug/L |   | 114  | 70 - 130     | 4   | 20        |
| 2-Butanone (MEK)            | 125         | 124         |                | ug/L |   | 99   | 70 - 130     | 6   | 20        |
| 2-Chlorotoluene             | 25.0        | 27.0        |                | ug/L |   | 108  | 70 - 130     | 1   | 20        |
| 2-Hexanone                  | 125         | 132         |                | ug/L |   | 106  | 70 - 130     | 0   | 20        |
| 4-Chlorotoluene             | 25.0        | 26.4        |                | ug/L |   | 105  | 70 - 130     | 2   | 20        |
| 4-Isopropyltoluene          | 25.0        | 28.1        |                | ug/L |   | 113  | 70 - 130     | 2   | 20        |
| 4-Methyl-2-pentanone (MIBK) | 125         | 131         |                | ug/L |   | 104  | 70 - 130     | 0   | 20        |
| Acetone                     | 125         | 128         |                | ug/L |   | 102  | 70 - 130     | 6   | 20        |

TestAmerica Buffalo

# QC Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

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

Lab Sample ID: LCSD 480-373193/9

Matrix: Water

Analysis Batch: 373193

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                   | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Benzene                   | 25.0        | 26.8        |                | ug/L |   | 107  | 70 - 130     | 1   | 20        |
| Bromobenzene              | 25.0        | 25.1        |                | ug/L |   | 101  | 70 - 130     | 1   | 20        |
| Bromoform                 | 25.0        | 33.8        | *              | ug/L |   | 135  | 70 - 130     | 0   | 20        |
| Bromomethane              | 25.0        | 23.8        |                | ug/L |   | 95   | 70 - 130     | 2   | 20        |
| Carbon disulfide          | 25.0        | 27.8        |                | ug/L |   | 111  | 70 - 130     | 5   | 20        |
| Carbon tetrachloride      | 25.0        | 30.5        |                | ug/L |   | 122  | 70 - 130     | 5   | 20        |
| Chlorobenzene             | 25.0        | 26.3        |                | ug/L |   | 105  | 70 - 130     | 4   | 20        |
| Chlorobromomethane        | 25.0        | 26.5        |                | ug/L |   | 106  | 70 - 130     | 3   | 20        |
| Chlorodibromomethane      | 25.0        | 23.4        |                | ug/L |   | 94   | 70 - 130     | 1   | 20        |
| Chloroethane              | 25.0        | 26.2        |                | ug/L |   | 105  | 70 - 130     | 3   | 20        |
| Chloroform                | 25.0        | 27.4        |                | ug/L |   | 110  | 70 - 130     | 3   | 20        |
| Chloromethane             | 25.0        | 25.1        |                | ug/L |   | 100  | 70 - 130     | 5   | 20        |
| cis-1,2-Dichloroethene    | 25.0        | 27.1        |                | ug/L |   | 108  | 70 - 130     | 0   | 20        |
| cis-1,3-Dichloropropene   | 25.0        | 28.6        |                | ug/L |   | 114  | 70 - 130     | 1   | 20        |
| Dichlorobromomethane      | 25.0        | 29.2        |                | ug/L |   | 117  | 70 - 130     | 2   | 20        |
| Dichlorodifluoromethane   | 25.0        | 24.6        |                | ug/L |   | 98   | 70 - 130     | 5   | 20        |
| Ethyl ether               | 25.0        | 27.2        |                | ug/L |   | 109  | 70 - 130     | 7   | 20        |
| Ethylbenzene              | 25.0        | 27.5        |                | ug/L |   | 110  | 70 - 130     | 5   | 20        |
| Ethylene Dibromide        | 25.0        | 25.9        |                | ug/L |   | 104  | 70 - 130     | 0   | 20        |
| Hexachlorobutadiene       | 25.0        | 28.7        |                | ug/L |   | 115  | 70 - 130     | 2   | 20        |
| Isopropyl ether           | 25.0        | 26.4        |                | ug/L |   | 106  | 70 - 130     | 2   | 20        |
| Isopropylbenzene          | 25.0        | 27.7        |                | ug/L |   | 111  | 70 - 130     | 2   | 20        |
| Methyl tert-butyl ether   | 25.0        | 25.7        |                | ug/L |   | 103  | 70 - 130     | 0   | 20        |
| Methylene Chloride        | 25.0        | 25.5        |                | ug/L |   | 102  | 70 - 130     | 1   | 20        |
| m-Xylene & p-Xylene       | 25.0        | 27.7        |                | ug/L |   | 111  | 70 - 130     | 5   | 20        |
| Naphthalene               | 25.0        | 27.0        |                | ug/L |   | 108  | 70 - 130     | 1   | 20        |
| n-Butylbenzene            | 25.0        | 28.5        |                | ug/L |   | 114  | 70 - 130     | 3   | 20        |
| N-Propylbenzene           | 25.0        | 27.6        |                | ug/L |   | 110  | 70 - 130     | 3   | 20        |
| o-Xylene                  | 25.0        | 27.1        |                | ug/L |   | 108  | 70 - 130     | 4   | 20        |
| sec-Butylbenzene          | 25.0        | 27.9        |                | ug/L |   | 112  | 70 - 130     | 4   | 20        |
| Styrene                   | 25.0        | 26.7        |                | ug/L |   | 107  | 70 - 130     | 2   | 20        |
| Tert-amyl methyl ether    | 25.0        | 26.5        |                | ug/L |   | 106  | 70 - 130     | 0   | 20        |
| Tert-butyl ethyl ether    | 25.0        | 26.3        |                | ug/L |   | 105  | 70 - 130     | 1   | 20        |
| tert-Butylbenzene         | 25.0        | 27.1        |                | ug/L |   | 108  | 70 - 130     | 2   | 20        |
| Tetrachloroethene         | 25.0        | 29.7        |                | ug/L |   | 119  | 70 - 130     | 7   | 20        |
| Tetrahydrofuran           | 50.0        | 70.8        | *              | ug/L |   | 142  | 70 - 130     | 2   | 20        |
| Toluene                   | 25.0        | 26.3        |                | ug/L |   | 105  | 70 - 130     | 3   | 20        |
| trans-1,2-Dichloroethene  | 25.0        | 27.7        |                | ug/L |   | 111  | 70 - 130     | 1   | 20        |
| trans-1,3-Dichloropropene | 25.0        | 25.5        |                | ug/L |   | 102  | 70 - 130     | 2   | 20        |
| Trichloroethene           | 25.0        | 28.0        |                | ug/L |   | 112  | 70 - 130     | 7   | 20        |
| Trichlorofluoromethane    | 25.0        | 29.4        |                | ug/L |   | 118  | 70 - 130     | 4   | 20        |
| Vinyl chloride            | 25.0        | 27.6        |                | ug/L |   | 110  | 70 - 130     | 5   | 20        |
| Dibromomethane            | 25.0        | 26.2        |                | ug/L |   | 105  | 70 - 130     | 1   | 20        |

| Surrogate                    | LCSD LCSD |           | Limits   |
|------------------------------|-----------|-----------|----------|
|                              | %Recovery | Qualifier |          |
| Toluene-d8 (Surr)            | 101       |           | 70 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 102       |           | 70 - 130 |
| 4-Bromofluorobenzene (Surr)  | 100       |           | 70 - 130 |

TestAmerica Buffalo

# QC Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Lab Sample ID: MB 480-373250/7**  
**Matrix: Water**  
**Analysis Batch: 373250**

**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 |   |          | 08/22/17 14:27 | 1       |
| 1,1,1-Trichloroethane       | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND        |              | 0.50 |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| 1,1,2-Trichloroethane       | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| 1,1-Dichloroethane          | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| 1,1-Dichloroethene          | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| 1,1-Dichloropropene         | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| 1,2,3-Trichlorobenzene      | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| 1,2,3-Trichloropropane      | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| 1,2,4-Trichlorobenzene      | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| 1,2,4-Trimethylbenzene      | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND        |              | 5.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| 1,2-Dichlorobenzene         | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| 1,2-Dichloroethane          | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| 1,2-Dichloropropane         | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| 1,3,5-Trimethylbenzene      | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| 1,3-Dichlorobenzene         | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| 1,3-Dichloropropane         | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| 1,4-Dichlorobenzene         | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| 1,4-Dioxane                 | ND        |              | 50   |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| 2,2-Dichloropropane         | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| 2-Butanone (MEK)            | ND        |              | 10   |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| 2-Chlorotoluene             | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| 2-Hexanone                  | ND        |              | 10   |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| 4-Chlorotoluene             | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| 4-Isopropyltoluene          | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND        |              | 10   |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| Acetone                     | ND        |              | 50   |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| Benzene                     | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| Bromobenzene                | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| Bromoform                   | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| Bromomethane                | ND        |              | 2.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| Carbon disulfide            | ND        |              | 10   |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| Carbon tetrachloride        | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| Chlorobenzene               | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| Chlorobromomethane          | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| Chlorodibromomethane        | ND        |              | 0.50 |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| Chloroethane                | ND        |              | 2.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| Chloroform                  | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| Chloromethane               | ND        |              | 2.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| cis-1,2-Dichloroethene      | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| cis-1,3-Dichloropropane     | ND        |              | 0.40 |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| Dichlorobromomethane        | ND        |              | 0.50 |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| Dichlorodifluoromethane     | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| Ethyl ether                 | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| Ethylbenzene                | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| Ethylene Dibromide          | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| Hexachlorobutadiene         | ND        |              | 0.40 |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| Isopropyl ether             | ND        |              | 10   |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| Isopropylbenzene            | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |

TestAmerica Buffalo

# QC Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

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

**Lab Sample ID: MB 480-373250/7**  
**Matrix: Water**  
**Analysis Batch: 373250**

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

| Analyte                   | MB Result | MB Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|--------------|------|-----|------|---|----------|----------------|---------|
| Methyl tert-butyl ether   | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| Methylene Chloride        | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| m-Xylene & p-Xylene       | ND        |              | 2.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| Naphthalene               | ND        |              | 5.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| n-Butylbenzene            | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| N-Propylbenzene           | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| o-Xylene                  | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| sec-Butylbenzene          | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| Styrene                   | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| Tert-amyl methyl ether    | ND        |              | 5.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| Tert-butyl ethyl ether    | ND        |              | 5.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| tert-Butylbenzene         | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| Tetrachloroethene         | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| Tetrahydrofuran           | ND        |              | 10   |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| Toluene                   | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| trans-1,2-Dichloroethene  | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| trans-1,3-Dichloropropene | ND        |              | 0.40 |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| Trichloroethene           | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| Trichlorofluoromethane    | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| Vinyl chloride            | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |
| Dibromomethane            | ND        |              | 1.0  |     | ug/L |   |          | 08/22/17 14:27 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| Toluene-d8 (Surr)            | 98           |              | 70 - 130 |          | 08/22/17 14:27 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 107          |              | 70 - 130 |          | 08/22/17 14:27 | 1       |
| 4-Bromofluorobenzene (Surr)  | 96           |              | 70 - 130 |          | 08/22/17 14:27 | 1       |

**Lab Sample ID: LCS 480-373250/4**  
**Matrix: Water**  
**Analysis Batch: 373250**

**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        | 29.3       |               | ug/L |   | 117  | 70 - 130     |
| 1,1,1-Trichloroethane       | 25.0        | 30.7       |               | ug/L |   | 123  | 70 - 130     |
| 1,1,1,2,2-Tetrachloroethane | 25.0        | 29.6       |               | ug/L |   | 118  | 70 - 130     |
| 1,1,2-Trichloroethane       | 25.0        | 26.3       |               | ug/L |   | 105  | 70 - 130     |
| 1,1-Dichloroethane          | 25.0        | 29.4       |               | ug/L |   | 118  | 70 - 130     |
| 1,1-Dichloroethene          | 25.0        | 27.7       |               | ug/L |   | 111  | 70 - 130     |
| 1,1-Dichloropropene         | 25.0        | 30.0       |               | ug/L |   | 120  | 70 - 130     |
| 1,2,3-Trichlorobenzene      | 25.0        | 28.6       |               | ug/L |   | 115  | 70 - 130     |
| 1,2,3-Trichloropropane      | 25.0        | 27.9       |               | ug/L |   | 112  | 70 - 130     |
| 1,2,4-Trichlorobenzene      | 25.0        | 28.1       |               | ug/L |   | 112  | 70 - 130     |
| 1,2,4-Trimethylbenzene      | 25.0        | 29.4       |               | ug/L |   | 118  | 70 - 130     |
| 1,2-Dibromo-3-Chloropropane | 25.0        | 26.4       |               | ug/L |   | 106  | 70 - 130     |
| 1,2-Dichlorobenzene         | 25.0        | 28.0       |               | ug/L |   | 112  | 70 - 130     |
| 1,2-Dichloroethane          | 25.0        | 26.8       |               | ug/L |   | 107  | 70 - 130     |
| 1,2-Dichloropropane         | 25.0        | 27.6       |               | ug/L |   | 110  | 70 - 130     |
| 1,3,5-Trimethylbenzene      | 25.0        | 29.8       |               | ug/L |   | 119  | 70 - 130     |

TestAmerica Buffalo

# QC Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

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

Lab Sample ID: LCS 480-373250/4

Matrix: Water

Analysis Batch: 373250

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,3-Dichlorobenzene         | 25.0        | 27.5       |               | ug/L |   | 110  | 70 - 130     |
| 1,3-Dichloropropane         | 25.0        | 26.7       |               | ug/L |   | 107  | 70 - 130     |
| 1,4-Dichlorobenzene         | 25.0        | 27.5       |               | ug/L |   | 110  | 70 - 130     |
| 1,4-Dioxane                 | 500         | 532        |               | ug/L |   | 106  | 70 - 130     |
| 2,2-Dichloropropane         | 25.0        | 30.1       |               | ug/L |   | 120  | 70 - 130     |
| 2-Butanone (MEK)            | 125         | 134        |               | ug/L |   | 108  | 70 - 130     |
| 2-Chlorotoluene             | 25.0        | 28.5       |               | ug/L |   | 114  | 70 - 130     |
| 2-Hexanone                  | 125         | 140        |               | ug/L |   | 112  | 70 - 130     |
| 4-Chlorotoluene             | 25.0        | 28.6       |               | ug/L |   | 114  | 70 - 130     |
| 4-Isopropyltoluene          | 25.0        | 30.6       |               | ug/L |   | 122  | 70 - 130     |
| 4-Methyl-2-pentanone (MIBK) | 125         | 139        |               | ug/L |   | 111  | 70 - 130     |
| Acetone                     | 125         | 144        |               | ug/L |   | 115  | 70 - 130     |
| Benzene                     | 25.0        | 28.2       |               | ug/L |   | 113  | 70 - 130     |
| Bromobenzene                | 25.0        | 27.3       |               | ug/L |   | 109  | 70 - 130     |
| Bromoform                   | 25.0        | 35.9       | *             | ug/L |   | 144  | 70 - 130     |
| Bromomethane                | 25.0        | 26.6       |               | ug/L |   | 106  | 70 - 130     |
| Carbon disulfide            | 25.0        | 29.2       |               | ug/L |   | 117  | 70 - 130     |
| Carbon tetrachloride        | 25.0        | 31.6       |               | ug/L |   | 126  | 70 - 130     |
| Chlorobenzene               | 25.0        | 27.4       |               | ug/L |   | 110  | 70 - 130     |
| Chlorobromomethane          | 25.0        | 28.2       |               | ug/L |   | 113  | 70 - 130     |
| Chlorodibromomethane        | 25.0        | 25.1       |               | ug/L |   | 100  | 70 - 130     |
| Chloroethane                | 25.0        | 28.2       |               | ug/L |   | 113  | 70 - 130     |
| Chloroform                  | 25.0        | 28.1       |               | ug/L |   | 112  | 70 - 130     |
| Chloromethane               | 25.0        | 28.4       |               | ug/L |   | 113  | 70 - 130     |
| cis-1,2-Dichloroethene      | 25.0        | 28.2       |               | ug/L |   | 113  | 70 - 130     |
| cis-1,3-Dichloropropene     | 25.0        | 30.3       |               | ug/L |   | 121  | 70 - 130     |
| Dichlorobromomethane        | 25.0        | 30.4       |               | ug/L |   | 122  | 70 - 130     |
| Dichlorodifluoromethane     | 25.0        | 30.1       |               | ug/L |   | 120  | 70 - 130     |
| Ethyl ether                 | 25.0        | 26.0       |               | ug/L |   | 104  | 70 - 130     |
| Ethylbenzene                | 25.0        | 28.5       |               | ug/L |   | 114  | 70 - 130     |
| Ethylene Dibromide          | 25.0        | 27.9       |               | ug/L |   | 112  | 70 - 130     |
| Hexachlorobutadiene         | 25.0        | 31.5       |               | ug/L |   | 126  | 70 - 130     |
| Isopropyl ether             | 25.0        | 26.0       |               | ug/L |   | 104  | 70 - 130     |
| Isopropylbenzene            | 25.0        | 30.2       |               | ug/L |   | 121  | 70 - 130     |
| Methyl tert-butyl ether     | 25.0        | 26.7       |               | ug/L |   | 107  | 70 - 130     |
| Methylene Chloride          | 25.0        | 26.1       |               | ug/L |   | 104  | 70 - 130     |
| m-Xylene & p-Xylene         | 25.0        | 28.7       |               | ug/L |   | 115  | 70 - 130     |
| Naphthalene                 | 25.0        | 29.5       |               | ug/L |   | 118  | 70 - 130     |
| n-Butylbenzene              | 25.0        | 31.0       |               | ug/L |   | 124  | 70 - 130     |
| N-Propylbenzene             | 25.0        | 29.9       |               | ug/L |   | 120  | 70 - 130     |
| o-Xylene                    | 25.0        | 28.3       |               | ug/L |   | 113  | 70 - 130     |
| sec-Butylbenzene            | 25.0        | 30.1       |               | ug/L |   | 120  | 70 - 130     |
| Styrene                     | 25.0        | 28.4       |               | ug/L |   | 114  | 70 - 130     |
| Tert-amyl methyl ether      | 25.0        | 26.4       |               | ug/L |   | 105  | 70 - 130     |
| Tert-butyl ethyl ether      | 25.0        | 26.2       |               | ug/L |   | 105  | 70 - 130     |
| tert-Butylbenzene           | 25.0        | 30.0       |               | ug/L |   | 120  | 70 - 130     |
| Tetrachloroethene           | 25.0        | 30.5       |               | ug/L |   | 122  | 70 - 130     |
| Tetrahydrofuran             | 50.0        | 71.4       | *             | ug/L |   | 143  | 70 - 130     |

TestAmerica Buffalo



# QC Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

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

**Lab Sample ID: LCS 480-373250/4**  
**Matrix: Water**  
**Analysis Batch: 373250**

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

| Analyte                   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------|-------------|------------|---------------|------|---|------|--------------|
| Toluene                   | 25.0        | 28.2       |               | ug/L |   | 113  | 70 - 130     |
| trans-1,2-Dichloroethene  | 25.0        | 30.0       |               | ug/L |   | 120  | 70 - 130     |
| trans-1,3-Dichloropropene | 25.0        | 26.9       |               | ug/L |   | 108  | 70 - 130     |
| Trichloroethene           | 25.0        | 28.4       |               | ug/L |   | 114  | 70 - 130     |
| Trichlorofluoromethane    | 25.0        | 32.3       |               | ug/L |   | 129  | 70 - 130     |
| Vinyl chloride            | 25.0        | 31.8       |               | ug/L |   | 127  | 70 - 130     |
| Dibromomethane            | 25.0        | 27.0       |               | ug/L |   | 108  | 70 - 130     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| Toluene-d8 (Surr)            | 101           |               | 70 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 101           |               | 70 - 130 |
| 4-Bromofluorobenzene (Surr)  | 100           |               | 70 - 130 |

**Lab Sample ID: LCSD 480-373250/5**  
**Matrix: Water**  
**Analysis Batch: 373250**

**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        | 28.1        |                | ug/L |   | 112  | 70 - 130     | 4   | 20        |
| 1,1,1-Trichloroethane       | 25.0        | 29.4        |                | ug/L |   | 118  | 70 - 130     | 4   | 20        |
| 1,1,1,2,2-Tetrachloroethane | 25.0        | 29.2        |                | ug/L |   | 117  | 70 - 130     | 1   | 20        |
| 1,1,2-Trichloroethane       | 25.0        | 24.8        |                | ug/L |   | 99   | 70 - 130     | 6   | 20        |
| 1,1-Dichloroethane          | 25.0        | 28.3        |                | ug/L |   | 113  | 70 - 130     | 4   | 20        |
| 1,1-Dichloroethene          | 25.0        | 27.8        |                | ug/L |   | 111  | 70 - 130     | 0   | 20        |
| 1,1-Dichloropropene         | 25.0        | 29.6        |                | ug/L |   | 118  | 70 - 130     | 2   | 20        |
| 1,2,3-Trichlorobenzene      | 25.0        | 27.9        |                | ug/L |   | 112  | 70 - 130     | 2   | 20        |
| 1,2,3-Trichloropropane      | 25.0        | 26.9        |                | ug/L |   | 107  | 70 - 130     | 4   | 20        |
| 1,2,4-Trichlorobenzene      | 25.0        | 27.1        |                | ug/L |   | 109  | 70 - 130     | 4   | 20        |
| 1,2,4-Trimethylbenzene      | 25.0        | 28.1        |                | ug/L |   | 113  | 70 - 130     | 4   | 20        |
| 1,2-Dibromo-3-Chloropropane | 25.0        | 26.4        |                | ug/L |   | 106  | 70 - 130     | 0   | 20        |
| 1,2-Dichlorobenzene         | 25.0        | 27.7        |                | ug/L |   | 111  | 70 - 130     | 1   | 20        |
| 1,2-Dichloroethane          | 25.0        | 26.2        |                | ug/L |   | 105  | 70 - 130     | 2   | 20        |
| 1,2-Dichloropropane         | 25.0        | 27.8        |                | ug/L |   | 111  | 70 - 130     | 1   | 20        |
| 1,3,5-Trimethylbenzene      | 25.0        | 28.9        |                | ug/L |   | 116  | 70 - 130     | 3   | 20        |
| 1,3-Dichlorobenzene         | 25.0        | 26.7        |                | ug/L |   | 107  | 70 - 130     | 3   | 20        |
| 1,3-Dichloropropane         | 25.0        | 26.0        |                | ug/L |   | 104  | 70 - 130     | 2   | 20        |
| 1,4-Dichlorobenzene         | 25.0        | 27.3        |                | ug/L |   | 109  | 70 - 130     | 1   | 20        |
| 1,4-Dioxane                 | 500         | 593         |                | ug/L |   | 119  | 70 - 130     | 11  | 20        |
| 2,2-Dichloropropane         | 25.0        | 29.2        |                | ug/L |   | 117  | 70 - 130     | 3   | 20        |
| 2-Butanone (MEK)            | 125         | 143         |                | ug/L |   | 114  | 70 - 130     | 6   | 20        |
| 2-Chlorotoluene             | 25.0        | 27.8        |                | ug/L |   | 111  | 70 - 130     | 2   | 20        |
| 2-Hexanone                  | 125         | 139         |                | ug/L |   | 111  | 70 - 130     | 1   | 20        |
| 4-Chlorotoluene             | 25.0        | 27.9        |                | ug/L |   | 112  | 70 - 130     | 2   | 20        |
| 4-Isopropyltoluene          | 25.0        | 29.6        |                | ug/L |   | 118  | 70 - 130     | 3   | 20        |
| 4-Methyl-2-pentanone (MIBK) | 125         | 136         |                | ug/L |   | 108  | 70 - 130     | 3   | 20        |
| Acetone                     | 125         | 140         |                | ug/L |   | 112  | 70 - 130     | 3   | 20        |
| Benzene                     | 25.0        | 27.2        |                | ug/L |   | 109  | 70 - 130     | 4   | 20        |
| Bromobenzene                | 25.0        | 27.7        |                | ug/L |   | 111  | 70 - 130     | 1   | 20        |

TestAmerica Buffalo

# QC Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

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

**Lab Sample ID: LCSD 480-373250/5**  
**Matrix: Water**  
**Analysis Batch: 373250**

**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 |
|---------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Bromoform                 | 25.0        | 34.6        | *              | ug/L |   | 138  | 70 - 130     | 4   | 20        |
| Bromomethane              | 25.0        | 25.3        |                | ug/L |   | 101  | 70 - 130     | 5   | 20        |
| Carbon disulfide          | 25.0        | 28.0        |                | ug/L |   | 112  | 70 - 130     | 4   | 20        |
| Carbon tetrachloride      | 25.0        | 30.8        |                | ug/L |   | 123  | 70 - 130     | 3   | 20        |
| Chlorobenzene             | 25.0        | 26.4        |                | ug/L |   | 106  | 70 - 130     | 4   | 20        |
| Chlorobromomethane        | 25.0        | 26.8        |                | ug/L |   | 107  | 70 - 130     | 5   | 20        |
| Chlorodibromomethane      | 25.0        | 24.3        |                | ug/L |   | 97   | 70 - 130     | 3   | 20        |
| Chloroethane              | 25.0        | 27.1        |                | ug/L |   | 109  | 70 - 130     | 4   | 20        |
| Chloroform                | 25.0        | 27.6        |                | ug/L |   | 110  | 70 - 130     | 2   | 20        |
| Chloromethane             | 25.0        | 26.8        |                | ug/L |   | 107  | 70 - 130     | 5   | 20        |
| cis-1,2-Dichloroethene    | 25.0        | 27.0        |                | ug/L |   | 108  | 70 - 130     | 4   | 20        |
| cis-1,3-Dichloropropene   | 25.0        | 29.5        |                | ug/L |   | 118  | 70 - 130     | 3   | 20        |
| Dichlorobromomethane      | 25.0        | 29.6        |                | ug/L |   | 119  | 70 - 130     | 3   | 20        |
| Dichlorodifluoromethane   | 25.0        | 27.9        |                | ug/L |   | 112  | 70 - 130     | 7   | 20        |
| Ethyl ether               | 25.0        | 27.2        |                | ug/L |   | 109  | 70 - 130     | 5   | 20        |
| Ethylbenzene              | 25.0        | 27.3        |                | ug/L |   | 109  | 70 - 130     | 4   | 20        |
| Ethylene Dibromide        | 25.0        | 26.7        |                | ug/L |   | 107  | 70 - 130     | 4   | 20        |
| Hexachlorobutadiene       | 25.0        | 30.0        |                | ug/L |   | 120  | 70 - 130     | 5   | 20        |
| Isopropyl ether           | 25.0        | 25.8        |                | ug/L |   | 103  | 70 - 130     | 1   | 20        |
| Isopropylbenzene          | 25.0        | 28.7        |                | ug/L |   | 115  | 70 - 130     | 5   | 20        |
| Methyl tert-butyl ether   | 25.0        | 26.4        |                | ug/L |   | 106  | 70 - 130     | 1   | 20        |
| Methylene Chloride        | 25.0        | 25.8        |                | ug/L |   | 103  | 70 - 130     | 1   | 20        |
| m-Xylene & p-Xylene       | 25.0        | 27.0        |                | ug/L |   | 108  | 70 - 130     | 6   | 20        |
| Naphthalene               | 25.0        | 28.6        |                | ug/L |   | 115  | 70 - 130     | 3   | 20        |
| n-Butylbenzene            | 25.0        | 29.7        |                | ug/L |   | 119  | 70 - 130     | 4   | 20        |
| N-Propylbenzene           | 25.0        | 28.9        |                | ug/L |   | 116  | 70 - 130     | 3   | 20        |
| o-Xylene                  | 25.0        | 26.5        |                | ug/L |   | 106  | 70 - 130     | 7   | 20        |
| sec-Butylbenzene          | 25.0        | 28.8        |                | ug/L |   | 115  | 70 - 130     | 4   | 20        |
| Styrene                   | 25.0        | 27.3        |                | ug/L |   | 109  | 70 - 130     | 4   | 20        |
| Tert-amyl methyl ether    | 25.0        | 26.5        |                | ug/L |   | 106  | 70 - 130     | 0   | 20        |
| Tert-butyl ethyl ether    | 25.0        | 25.8        |                | ug/L |   | 103  | 70 - 130     | 2   | 20        |
| tert-Butylbenzene         | 25.0        | 28.4        |                | ug/L |   | 114  | 70 - 130     | 5   | 20        |
| Tetrachloroethene         | 25.0        | 29.3        |                | ug/L |   | 117  | 70 - 130     | 4   | 20        |
| Tetrahydrofuran           | 50.0        | 72.9        | *              | ug/L |   | 146  | 70 - 130     | 2   | 20        |
| Toluene                   | 25.0        | 26.8        |                | ug/L |   | 107  | 70 - 130     | 5   | 20        |
| trans-1,2-Dichloroethene  | 25.0        | 28.7        |                | ug/L |   | 115  | 70 - 130     | 5   | 20        |
| trans-1,3-Dichloropropene | 25.0        | 26.2        |                | ug/L |   | 105  | 70 - 130     | 3   | 20        |
| Trichloroethene           | 25.0        | 27.3        |                | ug/L |   | 109  | 70 - 130     | 4   | 20        |
| Trichlorofluoromethane    | 25.0        | 31.4        |                | ug/L |   | 126  | 70 - 130     | 3   | 20        |
| Vinyl chloride            | 25.0        | 29.0        |                | ug/L |   | 116  | 70 - 130     | 9   | 20        |
| Dibromomethane            | 25.0        | 26.7        |                | ug/L |   | 107  | 70 - 130     | 1   | 20        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| Toluene-d8 (Surr)            | 98             |                | 70 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 101            |                | 70 - 130 |
| 4-Bromofluorobenzene (Surr)  | 98             |                | 70 - 130 |

TestAmerica Buffalo

# QC Association Summary

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

## GC/MS VOA

### Analysis Batch: 373038

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 480-122520-1      | MW-1020-20170809-01    | Total/NA  | Water  | 8260C  |            |
| 480-122520-2      | MW-1009-20170809-01    | Total/NA  | Water  | 8260C  |            |
| 480-122520-3      | MW-1026D-20170809-01   | Total/NA  | Water  | 8260C  |            |
| 480-122520-4      | MW-1015D-20170809-01   | Total/NA  | Water  | 8260C  |            |
| 480-122520-5      | MW-1022-20170809-01    | Total/NA  | Water  | 8260C  |            |
| 480-122520-6      | MW-1030-20170809-01    | Total/NA  | Water  | 8260C  |            |
| 480-122520-7      | MW-1031-20170809-01    | Total/NA  | Water  | 8260C  |            |
| 480-122520-8      | MW-1032-20170809-01    | Total/NA  | Water  | 8260C  |            |
| 480-122520-9      | MW-1028-20170809-01    | Total/NA  | Water  | 8260C  |            |
| 480-122520-10     | MW-1027-20170809-01    | Total/NA  | Water  | 8260C  |            |
| 480-122520-11     | MW-1033-20170809-01    | Total/NA  | Water  | 8260C  |            |
| 480-122520-12     | MW-1013-20170809-01    | Total/NA  | Water  | 8260C  |            |
| 480-122520-13     | MW-1014-20170809-01    | Total/NA  | Water  | 8260C  |            |
| 480-122520-14     | MW-1008-20170809-01    | Total/NA  | Water  | 8260C  |            |
| 480-122520-15     | MW-1005-20170809-01    | Total/NA  | Water  | 8260C  |            |
| 480-122520-16     | MW-1004-20170809-01    | Total/NA  | Water  | 8260C  |            |
| 480-122520-17     | MW-1003-20170809-01    | Total/NA  | Water  | 8260C  |            |
| 480-122520-18     | MW-1002B-20170809-01   | Total/NA  | Water  | 8260C  |            |
| 480-122520-19     | MW-1001M-20170809-01   | Total/NA  | Water  | 8260C  |            |
| MB 480-373038/8   | Method Blank           | Total/NA  | Water  | 8260C  |            |
| LCS 480-373038/5  | Lab Control Sample     | Total/NA  | Water  | 8260C  |            |
| LCSD 480-373038/9 | Lab Control Sample Dup | Total/NA  | Water  | 8260C  |            |

### Analysis Batch: 373188

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 480-122520-20      | MW-1001B-20170809-01   | Total/NA  | Water  | 8260C  |            |
| 480-122520-23      | MW-1034-20170809-01    | Total/NA  | Water  | 8260C  |            |
| 480-122520-24      | DUP-004-20170809-01    | Total/NA  | Water  | 8260C  |            |
| 480-122520-25      | MW-1018-20170809-01    | Total/NA  | Water  | 8260C  |            |
| 480-122520-26      | MW-1035-20170809-01    | Total/NA  | Water  | 8260C  |            |
| 480-122520-27      | MW-1036-20170809-01    | Total/NA  | Water  | 8260C  |            |
| 480-122520-28      | DUP-005-20170809-01    | Total/NA  | Water  | 8260C  |            |
| 480-122520-29 - DL | MW-1037-20170809-01    | Total/NA  | Water  | 8260C  |            |
| 480-122520-30      | MW-1038-20170809-01    | Total/NA  | Water  | 8260C  |            |
| 480-122520-31      | DUP-002-20170809-01    | Total/NA  | Water  | 8260C  |            |
| 480-122520-32      | DUP-003-20170809-01    | Total/NA  | Water  | 8260C  |            |
| 480-122520-33      | DUP-001-20170809-01    | Total/NA  | Water  | 8260C  |            |
| 480-122520-34      | MW-1024D-20170809-01   | Total/NA  | Water  | 8260C  |            |
| 480-122520-35      | MW-1023-20170809-01    | Total/NA  | Water  | 8260C  |            |
| 480-122520-36      | MW-1019B-20170809-01   | Total/NA  | Water  | 8260C  |            |
| 480-122520-37      | MW-1010D-20170809-01   | Total/NA  | Water  | 8260C  |            |
| 480-122520-38      | MW-1010M-20170809-01   | Total/NA  | Water  | 8260C  |            |
| 480-122520-39      | MW-1006-20170809-01    | Total/NA  | Water  | 8260C  |            |
| 480-122520-40      | MW-1016D-20170809-01   | Total/NA  | Water  | 8260C  |            |
| MB 480-373188/8    | Method Blank           | Total/NA  | Water  | 8260C  |            |
| LCS 480-373188/5   | Lab Control Sample     | Total/NA  | Water  | 8260C  |            |
| LCSD 480-373188/6  | Lab Control Sample Dup | Total/NA  | Water  | 8260C  |            |

### Analysis Batch: 373193

| Lab Sample ID | Client Sample ID     | Prep Type | Matrix | Method | Prep Batch |
|---------------|----------------------|-----------|--------|--------|------------|
| 480-122520-21 | MW-1025M-20170809-01 | Total/NA  | Water  | 8260C  |            |

TestAmerica Buffalo

# QC Association Summary

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

## GC/MS VOA (Continued)

### Analysis Batch: 373193 (Continued)

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 480-122520-22     | MW-1025D-20170809-01   | Total/NA  | Water  | 8260C  |            |
| MB 480-373193/11  | Method Blank           | Total/NA  | Water  | 8260C  |            |
| LCS 480-373193/8  | Lab Control Sample     | Total/NA  | Water  | 8260C  |            |
| LCSD 480-373193/9 | Lab Control Sample Dup | Total/NA  | Water  | 8260C  |            |

### Analysis Batch: 373250

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 480-122520-29     | MW-1037-20170809-01    | Total/NA  | Water  | 8260C  |            |
| 480-122520-30     | MW-1038-20170809-01    | Total/NA  | Water  | 8260C  |            |
| 480-122520-41     | MW-1017D-20170809-01   | Total/NA  | Water  | 8260C  |            |
| 480-122520-42     | MW-1011-20170809-01    | Total/NA  | Water  | 8260C  |            |
| 480-122520-43     | MW-1039-20170809-01    | Total/NA  | Water  | 8260C  |            |
| 480-122520-44     | TB-001-20170809-01     | Total/NA  | Water  | 8260C  |            |
| MB 480-373250/7   | Method Blank           | Total/NA  | Water  | 8260C  |            |
| LCS 480-373250/4  | Lab Control Sample     | Total/NA  | Water  | 8260C  |            |
| LCSD 480-373250/5 | Lab Control Sample Dup | Total/NA  | Water  | 8260C  |            |

# Lab Chronicle

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1020-20170809-01**

**Date Collected: 08/09/17 07:45**

**Date Received: 08/10/17 09:30**

**Lab Sample ID: 480-122520-1**

**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373038       | 08/21/17 13:07       | KMN     | TAL BUF |

**Client Sample ID: MW-1009-20170809-01**

**Date Collected: 08/09/17 08:15**

**Date Received: 08/10/17 09:30**

**Lab Sample ID: 480-122520-2**

**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373038       | 08/21/17 13:32       | KMN     | TAL BUF |

**Client Sample ID: MW-1026D-20170809-01**

**Date Collected: 08/09/17 08:15**

**Date Received: 08/10/17 09:30**

**Lab Sample ID: 480-122520-3**

**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373038       | 08/21/17 13:57       | KMN     | TAL BUF |

**Client Sample ID: MW-1015D-20170809-01**

**Date Collected: 08/09/17 08:43**

**Date Received: 08/10/17 09:30**

**Lab Sample ID: 480-122520-4**

**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373038       | 08/21/17 14:22       | KMN     | TAL BUF |

**Client Sample ID: MW-1022-20170809-01**

**Date Collected: 08/09/17 09:10**

**Date Received: 08/10/17 09:30**

**Lab Sample ID: 480-122520-5**

**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373038       | 08/21/17 14:47       | KMN     | TAL BUF |

**Client Sample ID: MW-1030-20170809-01**

**Date Collected: 08/09/17 09:50**

**Date Received: 08/10/17 09:30**

**Lab Sample ID: 480-122520-6**

**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373038       | 08/21/17 15:12       | KMN     | TAL BUF |

TestAmerica Buffalo

# Lab Chronicle

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1031-20170809-01**

**Lab Sample ID: 480-122520-7**

**Date Collected: 08/09/17 10:05**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373038       | 08/21/17 15:38       | KMN     | TAL BUF |

**Client Sample ID: MW-1032-20170809-01**

**Lab Sample ID: 480-122520-8**

**Date Collected: 08/09/17 10:25**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373038       | 08/21/17 16:03       | KMN     | TAL BUF |

**Client Sample ID: MW-1028-20170809-01**

**Lab Sample ID: 480-122520-9**

**Date Collected: 08/09/17 11:10**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373038       | 08/21/17 16:28       | KMN     | TAL BUF |

**Client Sample ID: MW-1027-20170809-01**

**Lab Sample ID: 480-122520-10**

**Date Collected: 08/09/17 11:30**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373038       | 08/21/17 17:19       | KMN     | TAL BUF |

**Client Sample ID: MW-1033-20170809-01**

**Lab Sample ID: 480-122520-11**

**Date Collected: 08/09/17 11:50**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373038       | 08/21/17 17:44       | KMN     | TAL BUF |

**Client Sample ID: MW-1013-20170809-01**

**Lab Sample ID: 480-122520-12**

**Date Collected: 08/09/17 08:49**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373038       | 08/21/17 18:09       | KMN     | TAL BUF |

TestAmerica Buffalo

# Lab Chronicle

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1014-20170809-01**

**Lab Sample ID: 480-122520-13**

**Date Collected: 08/09/17 08:57**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373038       | 08/21/17 18:35       | KMN     | TAL BUF |

**Client Sample ID: MW-1008-20170809-01**

**Lab Sample ID: 480-122520-14**

**Date Collected: 08/09/17 09:16**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373038       | 08/21/17 19:00       | KMN     | TAL BUF |

**Client Sample ID: MW-1005-20170809-01**

**Lab Sample ID: 480-122520-15**

**Date Collected: 08/09/17 09:36**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373038       | 08/21/17 19:25       | KMN     | TAL BUF |

**Client Sample ID: MW-1004-20170809-01**

**Lab Sample ID: 480-122520-16**

**Date Collected: 08/09/17 09:53**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373038       | 08/21/17 19:50       | KMN     | TAL BUF |

**Client Sample ID: MW-1003-20170809-01**

**Lab Sample ID: 480-122520-17**

**Date Collected: 08/09/17 10:11**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373038       | 08/21/17 20:15       | KMN     | TAL BUF |

**Client Sample ID: MW-1002B-20170809-01**

**Lab Sample ID: 480-122520-18**

**Date Collected: 08/09/17 10:26**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373038       | 08/21/17 16:53       | KMN     | TAL BUF |

TestAmerica Buffalo



# Lab Chronicle

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1001M-20170809-01**

**Lab Sample ID: 480-122520-19**

**Date Collected: 08/09/17 10:48**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373038       | 08/21/17 20:41       | KMN     | TAL BUF |

**Client Sample ID: MW-1001B-20170809-01**

**Lab Sample ID: 480-122520-20**

**Date Collected: 08/09/17 11:00**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373188       | 08/22/17 01:25       | KMN     | TAL BUF |

**Client Sample ID: MW-1025M-20170809-01**

**Lab Sample ID: 480-122520-21**

**Date Collected: 08/09/17 11:20**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373193       | 08/22/17 01:09       | KMN     | TAL BUF |

**Client Sample ID: MW-1025D-20170809-01**

**Lab Sample ID: 480-122520-22**

**Date Collected: 08/09/17 11:27**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373193       | 08/22/17 01:33       | KMN     | TAL BUF |

**Client Sample ID: MW-1034-20170809-01**

**Lab Sample ID: 480-122520-23**

**Date Collected: 08/09/17 12:20**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373188       | 08/22/17 01:50       | KMN     | TAL BUF |

**Client Sample ID: DUP-004-20170809-01**

**Lab Sample ID: 480-122520-24**

**Date Collected: 08/09/17 00:04**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373188       | 08/22/17 02:16       | KMN     | TAL BUF |

TestAmerica Buffalo

# Lab Chronicle

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1018-20170809-01**

**Lab Sample ID: 480-122520-25**

**Date Collected: 08/09/17 13:40**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373188       | 08/22/17 02:41       | KMN     | TAL BUF |

**Client Sample ID: MW-1035-20170809-01**

**Lab Sample ID: 480-122520-26**

**Date Collected: 08/09/17 13:55**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373188       | 08/22/17 03:06       | KMN     | TAL BUF |

**Client Sample ID: MW-1036-20170809-01**

**Lab Sample ID: 480-122520-27**

**Date Collected: 08/09/17 14:10**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373188       | 08/22/17 03:32       | KMN     | TAL BUF |

**Client Sample ID: DUP-005-20170809-01**

**Lab Sample ID: 480-122520-28**

**Date Collected: 08/09/17 00:05**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373188       | 08/22/17 03:57       | KMN     | TAL BUF |

**Client Sample ID: MW-1037-20170809-01**

**Lab Sample ID: 480-122520-29**

**Date Collected: 08/09/17 14:31**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        | DL  | 10              | 373188       | 08/22/17 04:22       | KMN     | TAL BUF |
| Total/NA  | Analysis   | 8260C        |     | 2               | 373250       | 08/22/17 17:14       | KMN     | TAL BUF |

**Client Sample ID: MW-1038-20170809-01**

**Lab Sample ID: 480-122520-30**

**Date Collected: 08/09/17 14:50**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 40              | 373188       | 08/22/17 04:47       | KMN     | TAL BUF |
| Total/NA  | Analysis   | 8260C        |     | 1               | 373250       | 08/22/17 17:37       | KMN     | TAL BUF |

TestAmerica Buffalo

# Lab Chronicle

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: DUP-002-20170809-01**

**Lab Sample ID: 480-122520-31**

**Date Collected: 08/09/17 00:02**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373188       | 08/22/17 05:12       | KMN     | TAL BUF |

**Client Sample ID: DUP-003-20170809-01**

**Lab Sample ID: 480-122520-32**

**Date Collected: 08/09/17 00:03**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373188       | 08/22/17 05:38       | KMN     | TAL BUF |

**Client Sample ID: DUP-001-20170809-01**

**Lab Sample ID: 480-122520-33**

**Date Collected: 08/09/17 00:01**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373188       | 08/22/17 06:03       | KMN     | TAL BUF |

**Client Sample ID: MW-1024D-20170809-01**

**Lab Sample ID: 480-122520-34**

**Date Collected: 08/09/17 11:53**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373188       | 08/22/17 06:28       | KMN     | TAL BUF |

**Client Sample ID: MW-1023-20170809-01**

**Lab Sample ID: 480-122520-35**

**Date Collected: 08/09/17 12:10**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373188       | 08/22/17 06:54       | KMN     | TAL BUF |

**Client Sample ID: MW-1019B-20170809-01**

**Lab Sample ID: 480-122520-36**

**Date Collected: 08/09/17 13:15**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373188       | 08/22/17 07:19       | KMN     | TAL BUF |

TestAmerica Buffalo

# Lab Chronicle

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1010D-20170809-01**

**Lab Sample ID: 480-122520-37**

**Date Collected: 08/09/17 13:32**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373188       | 08/22/17 07:44       | KMN     | TAL BUF |

**Client Sample ID: MW-1010M-20170809-01**

**Lab Sample ID: 480-122520-38**

**Date Collected: 08/09/17 13:45**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373188       | 08/22/17 08:09       | KMN     | TAL BUF |

**Client Sample ID: MW-1006-20170809-01**

**Lab Sample ID: 480-122520-39**

**Date Collected: 08/09/17 14:03**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373188       | 08/22/17 08:35       | KMN     | TAL BUF |

**Client Sample ID: MW-1016D-20170809-01**

**Lab Sample ID: 480-122520-40**

**Date Collected: 08/09/17 14:18**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373188       | 08/22/17 09:00       | KMN     | TAL BUF |

**Client Sample ID: MW-1017D-20170809-01**

**Lab Sample ID: 480-122520-41**

**Date Collected: 08/09/17 14:38**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373250       | 08/22/17 18:01       | KMN     | TAL BUF |

**Client Sample ID: MW-1011-20170809-01**

**Lab Sample ID: 480-122520-42**

**Date Collected: 08/09/17 15:00**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373250       | 08/22/17 18:24       | KMN     | TAL BUF |

TestAmerica Buffalo

# Lab Chronicle

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

**Client Sample ID: MW-1039-20170809-01**

**Lab Sample ID: 480-122520-43**

**Date Collected: 08/09/17 15:11**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373250       | 08/22/17 18:48       | KMN     | TAL BUF |

**Client Sample ID: TB-001-20170809-01**

**Lab Sample ID: 480-122520-44**

**Date Collected: 08/09/17 00:00**

**Matrix: Water**

**Date Received: 08/10/17 09:30**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373250       | 08/22/17 19:11       | KMN     | TAL BUF |

**Laboratory References:**

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

# Accreditation/Certification Summary

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

## Laboratory: TestAmerica Buffalo

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

| Authority      | Program       | EPA Region | Identification Number | Expiration Date |
|----------------|---------------|------------|-----------------------|-----------------|
| Arkansas DEQ   | State Program | 6          | 88-0686               | 07-06-18        |
| California     | State Program | 9          | 1169CA                | 09-30-17        |
| Connecticut    | State Program | 1          | PH-0568               | 09-30-18        |
| Florida        | NELAP         | 4          | E87672                | 06-30-18        |
| Georgia        | State Program | 4          | 10026 (NY)            | 03-31-18        |
| Georgia        | State Program | 4          | 956                   | 03-31-18        |
| Illinois       | NELAP         | 5          | 200003                | 09-30-17        |
| Iowa           | State Program | 7          | 374                   | 03-01-19        |
| Kansas         | NELAP         | 7          | E-10187               | 01-31-18        |
| Kentucky (DW)  | State Program | 4          | 90029                 | 12-31-17        |
| Kentucky (UST) | State Program | 4          | 30                    | 03-31-18        |
| Kentucky (WW)  | State Program | 4          | 90029                 | 12-31-17        |
| Louisiana      | NELAP         | 6          | 02031                 | 06-30-18        |
| Maine          | State Program | 1          | NY00044               | 12-04-18        |
| Maryland       | State Program | 3          | 294                   | 03-31-18        |
| Massachusetts  | State Program | 1          | M-NY044               | 06-30-18        |
| Michigan       | State Program | 5          | 9937                  | 04-01-09 *      |
| Minnesota      | NELAP         | 5          | 036-999-337           | 12-31-17        |
| New Hampshire  | NELAP         | 1          | 2337                  | 11-17-17        |
| New Jersey     | NELAP         | 2          | NY455                 | 06-30-18        |
| New York       | NELAP         | 2          | 10026                 | 03-31-18        |
| North Dakota   | State Program | 8          | R-176                 | 03-31-18        |
| Oklahoma       | State Program | 6          | 9421                  | 08-31-17        |
| Oregon         | NELAP         | 10         | NY200003              | 06-09-18        |
| Pennsylvania   | NELAP         | 3          | 68-00281              | 07-31-18        |
| Rhode Island   | State Program | 1          | LAO00328              | 12-30-17        |
| Tennessee      | State Program | 4          | TN02970               | 03-31-18        |
| Texas          | NELAP         | 6          | T104704412-15-6       | 07-31-18        |
| USDA           | Federal       |            | P330-11-00386         | 11-26-17        |
| Virginia       | NELAP         | 3          | 460185                | 09-14-17        |
| Washington     | State Program | 10         | C784                  | 02-10-18        |
| Wisconsin      | State Program | 5          | 998310390             | 08-31-17 *      |

\* Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica Buffalo

# Method Summary

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

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| Method | Method Description                 | Protocol | Laboratory |
|--------|------------------------------------|----------|------------|
| 8260C  | Volatile Organic Compounds (GC/MS) | MA DEP   | TAL BUF    |

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**Protocol References:**

MA DEP = Massachusetts Department Of Environmental Protection

**Laboratory References:**

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

- 1
- 2
- 3
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# Sample Summary

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122520-1

| Lab Sample ID | Client Sample ID     | Matrix | Collected      | Received       |
|---------------|----------------------|--------|----------------|----------------|
| 480-122520-1  | MW-1020-20170809-01  | Water  | 08/09/17 07:45 | 08/10/17 09:30 |
| 480-122520-2  | MW-1009-20170809-01  | Water  | 08/09/17 08:15 | 08/10/17 09:30 |
| 480-122520-3  | MW-1026D-20170809-01 | Water  | 08/09/17 08:15 | 08/10/17 09:30 |
| 480-122520-4  | MW-1015D-20170809-01 | Water  | 08/09/17 08:43 | 08/10/17 09:30 |
| 480-122520-5  | MW-1022-20170809-01  | Water  | 08/09/17 09:10 | 08/10/17 09:30 |
| 480-122520-6  | MW-1030-20170809-01  | Water  | 08/09/17 09:50 | 08/10/17 09:30 |
| 480-122520-7  | MW-1031-20170809-01  | Water  | 08/09/17 10:05 | 08/10/17 09:30 |
| 480-122520-8  | MW-1032-20170809-01  | Water  | 08/09/17 10:25 | 08/10/17 09:30 |
| 480-122520-9  | MW-1028-20170809-01  | Water  | 08/09/17 11:10 | 08/10/17 09:30 |
| 480-122520-10 | MW-1027-20170809-01  | Water  | 08/09/17 11:30 | 08/10/17 09:30 |
| 480-122520-11 | MW-1033-20170809-01  | Water  | 08/09/17 11:50 | 08/10/17 09:30 |
| 480-122520-12 | MW-1013-20170809-01  | Water  | 08/09/17 08:49 | 08/10/17 09:30 |
| 480-122520-13 | MW-1014-20170809-01  | Water  | 08/09/17 08:57 | 08/10/17 09:30 |
| 480-122520-14 | MW-1008-20170809-01  | Water  | 08/09/17 09:16 | 08/10/17 09:30 |
| 480-122520-15 | MW-1005-20170809-01  | Water  | 08/09/17 09:36 | 08/10/17 09:30 |
| 480-122520-16 | MW-1004-20170809-01  | Water  | 08/09/17 09:53 | 08/10/17 09:30 |
| 480-122520-17 | MW-1003-20170809-01  | Water  | 08/09/17 10:11 | 08/10/17 09:30 |
| 480-122520-18 | MW-1002B-20170809-01 | Water  | 08/09/17 10:26 | 08/10/17 09:30 |
| 480-122520-19 | MW-1001M-20170809-01 | Water  | 08/09/17 10:48 | 08/10/17 09:30 |
| 480-122520-20 | MW-1001B-20170809-01 | Water  | 08/09/17 11:00 | 08/10/17 09:30 |
| 480-122520-21 | MW-1025M-20170809-01 | Water  | 08/09/17 11:20 | 08/10/17 09:30 |
| 480-122520-22 | MW-1025D-20170809-01 | Water  | 08/09/17 11:27 | 08/10/17 09:30 |
| 480-122520-23 | MW-1034-20170809-01  | Water  | 08/09/17 12:20 | 08/10/17 09:30 |
| 480-122520-24 | DUP-004-20170809-01  | Water  | 08/09/17 00:04 | 08/10/17 09:30 |
| 480-122520-25 | MW-1018-20170809-01  | Water  | 08/09/17 13:40 | 08/10/17 09:30 |
| 480-122520-26 | MW-1035-20170809-01  | Water  | 08/09/17 13:55 | 08/10/17 09:30 |
| 480-122520-27 | MW-1036-20170809-01  | Water  | 08/09/17 14:10 | 08/10/17 09:30 |
| 480-122520-28 | DUP-005-20170809-01  | Water  | 08/09/17 00:05 | 08/10/17 09:30 |
| 480-122520-29 | MW-1037-20170809-01  | Water  | 08/09/17 14:31 | 08/10/17 09:30 |
| 480-122520-30 | MW-1038-20170809-01  | Water  | 08/09/17 14:50 | 08/10/17 09:30 |
| 480-122520-31 | DUP-002-20170809-01  | Water  | 08/09/17 00:02 | 08/10/17 09:30 |
| 480-122520-32 | DUP-003-20170809-01  | Water  | 08/09/17 00:03 | 08/10/17 09:30 |
| 480-122520-33 | DUP-001-20170809-01  | Water  | 08/09/17 00:01 | 08/10/17 09:30 |
| 480-122520-34 | MW-1024D-20170809-01 | Water  | 08/09/17 11:53 | 08/10/17 09:30 |
| 480-122520-35 | MW-1023-20170809-01  | Water  | 08/09/17 12:10 | 08/10/17 09:30 |
| 480-122520-36 | MW-1019B-20170809-01 | Water  | 08/09/17 13:15 | 08/10/17 09:30 |
| 480-122520-37 | MW-1010D-20170809-01 | Water  | 08/09/17 13:32 | 08/10/17 09:30 |
| 480-122520-38 | MW-1010M-20170809-01 | Water  | 08/09/17 13:45 | 08/10/17 09:30 |
| 480-122520-39 | MW-1006-20170809-01  | Water  | 08/09/17 14:03 | 08/10/17 09:30 |
| 480-122520-40 | MW-1016D-20170809-01 | Water  | 08/09/17 14:18 | 08/10/17 09:30 |
| 480-122520-41 | MW-1017D-20170809-01 | Water  | 08/09/17 14:38 | 08/10/17 09:30 |
| 480-122520-42 | MW-1011-20170809-01  | Water  | 08/09/17 15:00 | 08/10/17 09:30 |
| 480-122520-43 | MW-1039-20170809-01  | Water  | 08/09/17 15:11 | 08/10/17 09:30 |
| 480-122520-44 | TB-001-20170809-01   | Water  | 08/09/17 00:00 | 08/10/17 09:30 |

TestAmerica Buffalo

## Login Sample Receipt Checklist

Client: ERM-Northeast

Job Number: 480-122520-1

**Login Number: 122520**

**List Number: 1**

**Creator: Janish, Carl M**

**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 (Excluding tests with immediate HTs)..  | 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   | ERM     |
| 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    |         |

|  |  |                                 |  |   |  |   |  |   |  |
|--|--|---------------------------------|--|---|--|---|--|---|--|
| <b>Client Information</b>  |  | Sampler: <u>Christine Dukev</u> |  | Lab PM: <u>Mason, Becky C</u>                           |  | Carrier Tracking No(s):                     |  | COC No: <u>480-100183-10762.6</u>   |  |
| Client Contact: <u>Mr. Ethan Gyles</u>   |  | Phone: <u>370 372 2902</u>      |  | E-Mail: <u>becky.mason@testamericainc.com</u>           |  | Page: <u>Page 6 of 6 - pg 14</u>            |  | Job #:  |  |
| Company: <u>Larry Mastara</u>  |  | ERM-Northeast                   |  | Due Date Requested:                                     |  | Analysis Requested                          |  | Preservation Codes:   |  |
| Address: <u>One Beacon Steet 5th Floor</u>   |  | City: <u>Boston</u>             |  | TAT Requested (days):                                   |  | Field Filtered Sample (Yes or No)           |  | A - HCL<br>M - Hexane<br>N - None   |  |
| State, Zip: <u>MA, 02108</u>   |  | Phone: <u>617 646 7800</u>      |  | Purchase Order not required                             |  | Perform MS/MSD (Yes or No)                  |  | B - NaOH<br>C - Zn Acetate<br>D - Nitric Acid<br>E - NaHSO4<br>F - MeOH<br>G - Amchlor<br>H - Ascorbic Ac<br>I - Ice<br>J - DI Water<br>K - EDTA<br>L - EDA<br>Other: |  |
| Email: <u>ethan.gyles@erm.com</u>  |  | Project #: <u>48007117</u>      |  | Matrix (W=water, S=solid, O=wast/oil, BT=tissue, A=air) |  | Special Instructions/Note:                  |  | 480-122520 COC<br>Z - Other (specify)   |  |
| Site: <u>Wayland, MA</u>   |  | SSOW#:                          |  | Sample Date   |  | Sample Time                                 |  | Sample Type (C=Comp, G=grab)  |  |
| Sample Identification  |  | Sample Date                     |  | Sample Time   |  | Preservation Code                           |  | Matrix  |  |
| MW-1020-20170809-01  |  | 8/9/17 4:45                     |  | 9   |  | Water                                       |  | Water   |  |
| MW-1009-20170809-01  |  | 0815                            |  | 1   |  | Water                                       |  | Water   |  |
| MW-1026D-20170809-01   |  | 0815                            |  | 1   |  | Water                                       |  | Water   |  |
| MW-1015D-20170809-01   |  | 0843                            |  | 1   |  | Water                                       |  | Water   |  |
| MW-1022-20170809-01  |  | 0910                            |  | 1   |  | Water                                       |  | Water   |  |
| MW-1030-20170809-01  |  | 0950                            |  | 1   |  | Water                                       |  | Water   |  |
| MW-1031-20170809-01  |  | 1005                            |  | 1   |  | Water                                       |  | Water   |  |
| MW-1022-20170809-01  |  | 1025                            |  | 1   |  | Water                                       |  | Water   |  |
| MW-1028-20170809-01  |  | 11:10                           |  | 1   |  | Water                                       |  | Water   |  |
| MW-1014-20170809-01  |  | 11:30                           |  | 1   |  | Water                                       |  | Water   |  |
| MW-1033-20170809-01  |  | 11:50                           |  | 1   |  | Water                                       |  | Water   |  |
| Possible Hazard Identification   |  | Date                            |  | Time  |  | Method of Shipment                          |  | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)   |  |
| <input 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 |  | Date                            |  | Time  |  | Method of Shipment                          |  | <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For <input type="checkbox"/> Months               |  |
| Deliverable Requested: I, II, III, IV, Other (specify)   |  | Date                            |  | Time  |  | Method of Shipment                          |  | Special Instructions/QC Requirements:   |  |
| Empty Kit Relinquished by:   |  | Date                            |  | Time  |  | Method of Shipment                          |  | Special Instructions/QC Requirements:   |  |
| Relinquished by: <u>[Signature]</u>  |  | Date: <u>8/9/17 @ 17:17</u>     |  | Time: <u>17:17</u>                                      |  | Method of Shipment                          |  | Received by: <u>[Signature]</u> Company: <u>ERM</u>   |  |
| Relinquished by: <u>[Signature]</u>  |  | Date: <u>8/9/17 @ 17:17</u>     |  | Time: <u>17:17</u>                                      |  | Method of Shipment                          |  | Received by: <u>[Signature]</u> Company: <u>ERM</u>   |  |
| Relinquished by: <u>[Signature]</u>  |  | Date: <u>8/9/17 @ 17:17</u>     |  | Time: <u>17:17</u>                                      |  | Method of Shipment                          |  | Received by: <u>[Signature]</u> Company: <u>ERM</u>   |  |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No   |  | Custody Seal No.:               |  | Cooler Temperature(s) °C and Other Remarks:             |  | Cooler Temperature(s) °C and Other Remarks: |  | Cooler Temperature(s) °C and Other Remarks:   |  |





**Chain of Custody Record**

330325-Boston

|  |  |  |  |  |  |
|--|--|--|--|--|--|
| <b>Client Information</b>  |  | Sampler: <u>Clementine Dion</u> Lab PM: <u>Mason, Becky C</u>  |  | COC No: <u>480-100183-10762.5</u>  |  |
| Client Contact: <u>Larry Mastera</u>   |  | Phone: <u>774 722 2902</u>   |  | Page: <u>5 of 6</u>  |  |
| Company: <u>ERM-Northeast</u>  |  | E-Mail: <u>becky.mason@testamericainc.com</u>  |  | Job #: <u>09 214</u>   |  |
| Address: <u>One Beacon Steet 5th Floor</u>                                     |  | Due Date Requested:  |  | Carrier Tracking No(s):  |  |
| City: <u>Boston</u>  |  | TAT Requested (days):  |  | Total Number of Containers:  |  |
| State, Zip: <u>MA, 02108</u>   |  | PO #: <u>Purchase Order not required</u>   |  | Analysis Requested   |  |
| Phone: <u>617 614 7800</u>   |  | WO #: <u>40007117</u>  |  | Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>   |  |
| Email: <u>ethan.oyes@erm.com</u>   |  | Project #: <u>40007117</u>   |  | Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>  |  |
| Project Name: <u>Wayland, MA</u>   |  | SSOW#:   |  | 522 - 1,4 Dioxane 522 <input checked="" type="checkbox"/>  |  |
| Site: <u>Wayland, MA</u>   |  | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)   |  | Special Instructions/Note:   |  |
| <b>Sample Identification</b>   |  | Sample Date  |  | Sample Time  |  |
| MW-1013-20170809-01  |  | 9/9/17   |  | 0849   |  |
| MW-1014-20170809-01  |  |  |  | 0857   |  |
| MW-1008-20170809-01  |  |  |  | 0916   |  |
| MW-1005-20170809-01  |  |  |  | 0936   |  |
| MW-1004-20170809-01  |  |  |  | 0953   |  |
| MW-1003-20170809-01  |  |  |  | 1011   |  |
| MW-10026-20170809-01   |  |  |  | 1026   |  |
| MW-1001M-20170809-01   |  |  |  | 1048   |  |
| MW-1001B-20170809-01   |  |  |  | 1100   |  |
| MW-1025M-20170809-01   |  |  |  | 1120   |  |
| MW-1025D-20170809-01   |  |  |  | 1127   |  |
| <b>Possible Hazard Identification</b>  |  | <input 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 |  | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  |  |
| Deliverable Requested: I, II, III, IV, Other (specify)                         |  | Empty Kit Relinquished by:   |  | <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months |  |
| Date: _____  |  | Time: _____  |  | Special Instructions/OC Requirements:  |  |
| Relinquished by: <u>[Signature]</u> Company: <u>ERM</u>                        |  | Date/Time: <u>8/19/17 @ 17:17</u>  |  | Received by: <u>[Signature]</u> Company: _____   |  |
| Relinquished by: <u>[Signature]</u> Company: <u>ERM</u>                        |  | Date/Time: <u>8-23-17 1000</u>   |  | Received by: <u>[Signature]</u> Company: _____   |  |
| Relinquished by: _____   |  | Date/Time: _____   |  | Received by: _____   |  |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No |  | Custody Seal No.:  |  | Cooler Temperature(s) °C and Other Remarks: <u>20 #1</u>   |  |





360325-Boston

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>Client Information</b>  |  | Lab PM: Mason, Becky C   |  | Carrier Tracking No(s):   |  | COC No: 480-100183-10762.2  |  |
| Mr. Elia Cyles Larry Mastera   |  | Phone: 774 722 2902  |  | E-Mail: becky.mason@testamericainc.com  |  | Page: 2 of 6 ps 3/4   |  |
| Company: ERM-Northeast   |  | Due Date Requested:  |  | Analysis Requested  |  | Job #: ps 3/4   |  |
| Address: One Beacon Steet 5th Floor  |  | TAT Requested (days):  |  | Field Filtered Sample (Yes or No)   |  | Total Number of Containers  |  |
| City: Boston   |  | Purchase Order not required  |  | Perform MS/MSD (Yes or No)  |  | Preservation Codes:   |  |
| State, Zip: MA, 02108  |  | PO #: 7800   |  | 8260MCP - 8260  |  | A - HCL<br>B - NaOH<br>C - Zn Acetate<br>D - Nitric Acid<br>E - NaHSO4<br>F - MeOH<br>G - Amchlor<br>H - Ascorbic Acid<br>I - Ice<br>J - DI Water<br>K - EDTA<br>L - EDA<br>Other:    |  |
| Phone: 7800  |  | WO #: Larry.Mastera@erm.com  |  | 522 - 1,4 Dioxane 522   |  | M - Hexane<br>N - None<br>O - AsNaO2<br>P - Na2O4S<br>Q - Na2SO3<br>R - Na2S2O3<br>S - H2SO4<br>T - TSP Dodecahydrate<br>U - Acetone<br>V - MCAA<br>W - pH 4-5<br>Z - other (specify) |  |
| Email: ethan.grybos@erm.com  |  | Project #: 48007117  |  | A   |  | Special Instructions/Note:  |  |
| Project Name: IDS Wayland  |  | SSOW#: Wayland, MA   |  | A   |  |   |  |
| Site: Wayland, MA  |  | Sample Date  |  | Sample Time   |  | Sample Type (C=Comp, G=grab)  |  |
| Sample Identification  |  | Sample Date  |  | Sample Time   |  | Matrix (W=water, S=solid, O=wastelol, BT=tissue, A=Air)   |  |
| MW-1034-20170809-01  |  | 08/09/17   |  | 12:20   |  | Water   |  |
| DUP-004-20170809-01  |  |  |  | 00:04   |  | Water   |  |
| MW-1018-20170809-01  |  |  |  | 13:40   |  | Water   |  |
| MW-1035-20170809-01  |  |  |  | 13:55   |  | Water   |  |
| MW-1036-20170809-01  |  |  |  | 14:10   |  | Water   |  |
| DUP-005-20170809-01  |  |  |  | 00:05   |  | Water   |  |
| MW-1037-20170809-01  |  |  |  | 14:31   |  | Water   |  |
| MW-1038-20170809-01  |  |  |  | 14:50   |  | Water   |  |
| DUP-002-20170809-01  |  |  |  | 00:02   |  | Water   |  |
| DUP-003-20170809-01  |  |  |  | 00:03   |  | Water   |  |
| DUP-001-20170809-01  |  |  |  | 00:01   |  | Water   |  |
| <b>Possible Hazard Identification</b>  |  | <input 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 |  | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) |  | <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months  |  |
| Deliverable Requested: I, II, III, IV, Other (specify)                         |  | Empty Kit Relinquished by:   |  | Special Instructions/QC Requirements:   |  |   |  |
| Relinquished by: [Signature]   |  | Date: 8/9/17 09:17   |  | Method of Shipment:   |  |   |  |
| Relinquished by: [Signature]   |  | Date: 8-9-17 1800  |  | Received by: [Signature]  |  | Date/Time: 8-9-17 1947  |  |
| Relinquished by: [Signature]   |  | Date/Time: 8-9-17 1800   |  | Received by: [Signature]  |  | Date/Time: 8/10/17 0930   |  |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No |  | Custody Seal No.:  |  | Received by: [Signature]  |  | Date/Time: 8/10/17 0930   |  |
| Cooler Temperature(s) °C and Other Remarks:                                    |  | 20   |  | Received by: [Signature]  |  | Date/Time: 8/10/17 0930   |  |

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### Chain of Custody Record

| Client Information                         |             | Lab PM:                                       |                              | Carrier Tracking No(s):                |                                   | COC No:  |                            |
|--|-------------|---|------------------------------|--|-----------------------------------|--|----------------------------|
| Client Contact: <b>Larry Mastera</b>       |             | Mason, Becky C                                |                              | 480-100183-10762.4                     |                                   | 480-100183-10762.4   |                            |
| Company: <b>ERM-Northeast</b>              |             | E-Mail: <b>becky.mason@testamericainc.com</b> |                              | Page: <b>Page 4 of 6</b>               |                                   | Job #: <b>pg 4/6</b>   |                            |
| Address: <b>One Beacon Steet 5th Floor</b> |             | Due Date Requested:                           |                              | Analysis Requested                     |                                   | Preservation Codes:  |                            |
| City: <b>Boston</b>                        |             | TAT Requested (days):                         |                              | 522 - 1,4 Dioxane 522                  |                                   | A - HCL<br>M - Hexane<br>B - NaOH<br>N - None<br>C - Zn Acetate<br>O - AsNaO2<br>D - Nitric Acid<br>P - Na2O4S<br>Q - Na2SO3<br>E - NaHSO4<br>F - MeOH<br>G - Amchlor<br>H - Ascorbic Acid<br>I - Ice<br>J - DI Water<br>K - EDTA<br>L - EDA<br>U - Acetone<br>S - H2SO4<br>T - TSP Dodecahydrate<br>V - MCAA<br>W - pH 4-5<br>Z - other (specify)<br>Other: |                            |
| State, Zip: <b>MA, 02108</b>               |             | Purchase Order not required                   |                              | Perform MS/MSD (Yes or No)             |                                   | Total Number of containers   |                            |
| Phone: <b>617 676 7800</b>                 |             | PO #:   |                              | Field Filtered Sample (Yes or No)      |                                   |  |                            |
| Email: <b>erm.ny@erm.com</b>               |             | WO #:   |                              | X A A                                  |                                   |  |                            |
| Project Name: <b>Larry.mastera@erm.com</b> |             | Project #:                                    |                              | 522 - 1,4 Dioxane 522                  |                                   |  |                            |
| IDS Wayland                                |             | 48007117                                      |                              | X A A                                  |                                   |  |                            |
| Site: <b>Wayland MA</b>                    |             | SSOW#:  |                              | X A A                                  |                                   |  |                            |
| Sample Identification                      | Sample Date | Sample Time                                   | Sample Type (C=comp, G=grab) | Matrix (W=water, S=solid, O=water/oil) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No)   | Special Instructions/Note: |
| MW-1024D-20170809-01                       | 8/9/17      | 11:53   | G                            | Water                                  | X                                 | A  |                            |
| MW-1023-20170809-01                        |             | 12:10   |                              | Water                                  | X                                 | A  |                            |
| MW-1019B-20170809-01                       |             | 13:15   |                              | Water                                  | X                                 | A  |                            |
| MW-1010D-20170809-01                       |             | 13:32   |                              | Water                                  | X                                 | A  |                            |
| MW-1010M-20170809-01                       |             | 13:45   |                              | Water                                  | X                                 | A  |                            |
| MW-1006-20170809-01                        |             | 14:03   |                              | Water                                  | X                                 | A  |                            |
| MW-1016D-20170809-01                       |             | 14:18   |                              | Water                                  | X                                 | A  |                            |
| MW-1017D-20170809-01                       |             | 14:38   |                              | Water                                  | X                                 | A  |                            |
| MW-1011-20170809-01                        |             | 15:00   |                              | Water                                  | X                                 | A  |                            |
| MW-1039-20170809-01                        |             | 15:11   |                              | Water                                  | X                                 | A  |                            |
| TB-001-20170809-01                         | 6/21/17     |   | TB                           | Water                                  | X                                 | A  | lab provided TB            |

Possible Hazard Identification  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Radiological  
 Deliverable Requested: I, II, III, IV, Other (specify)

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

Special Instructions/QC Requirements:

| Empty Kit Relinquished by:   | Date:  | Time: | Method of Shipment: |
|------------------------------|--------|-------|---------------------|
| Relinquished by: [Signature] | 8/9/17 | ERM   | Company             |
| Relinquished by: [Signature] | 8-9-17 | 1:00  | Company             |
| Relinquished by: [Signature] |        |       | Company             |

Received by: [Signature] Date/Time: 8-9-17 12:17 Company: [Signature]  
 Received by: [Signature] Date/Time: 8/10/17 09:30 Company: [Signature]  
 Received by: [Signature] Date/Time: [Signature] Company: [Signature]

Custody Seals Intact:  Yes  No  
 Cooler Temperature(s) °C and Other Remarks: 20 # /



# 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: 480-122651-1

Client Project/Site: IDS Wayland

For:

ERM-Northeast

One Beacon Steet

5th Floor

Boston, Massachusetts 02108

Attn: Lyndsey Colburn



Authorized for release by:

8/24/2017 11:04:53 AM

Denise Giglia, Project Management Assistant II

[denise.giglia@testamericainc.com](mailto:denise.giglia@testamericainc.com)

Designee for

Becky Mason, Project Manager II

(413)572-4000

[becky.mason@testamericainc.com](mailto:becky.mason@testamericainc.com)

### LINKS

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[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: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122651-1

## Qualifiers

### GC/MS VOA

| Qualifier | Qualifier Description                     |
|-----------|---|
| *         | LCS or LCSD is outside acceptance limits. |

### GC/MS Semi VOA

| Qualifier | Qualifier Description  |
|-----------|--|
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

## Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|---|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery  |
| CFL            | Contains Free Liquid  |
| CNF            | Contains No Free Liquid   |
| DER            | Duplicate Error Ratio (normalized absolute difference)  |
| Dil Fac        | Dilution Factor   |
| DL             | Detection Limit (DoD/DOE)   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)   |
| EDL            | Estimated Detection Limit (Dioxin)  |
| LOD            | Limit of Detection (DoD/DOE)  |
| LOQ            | Limit of Quantitation (DoD/DOE)   |
| MDA            | Minimum Detectable Activity (Radiochemistry)  |
| MDC            | Minimum Detectable Concentration (Radiochemistry)   |
| MDL            | Method Detection Limit  |
| ML             | Minimum Level (Dioxin)  |
| NC             | Not Calculated  |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)  |
| PQL            | Practical Quantitation Limit  |
| QC             | Quality Control   |
| RER            | Relative Error Ratio (Radiochemistry)   |
| 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: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122651-1

## Job ID: 480-122651-1

### Laboratory: TestAmerica Buffalo

#### Narrative

#### Job Narrative 480-122651-1

#### Receipt

The samples were received on 8/12/2017 1:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8° C.

#### GC/MS VOA

Method 8260C: With the exception of diluted samples, per question G on the MassDEP Analytical Protocol Certification Form, TestAmerica's routine reporting limits do not achieve the CAM reporting limits specified in this CAM protocol for 1,2-dibromo-3-chloropropane, Carbon Disulfide, Isopropyl Ether, Naphthalene, tert-Amyl Methyl Ether and Tetrahydrofuran.

Method 8260C: The continuing calibration verification (CCV) for Tert-amyl methyl ether associated with batch 480-373384 recovered outside the MCP control limit criteria. MCP protocol allows for 20% of the target compounds to be outside the 20% difference but not over 40% difference. Difficult analytes are allowed to be outside the 20% difference but not over 60% difference. The following sample was affected : PDB-001-20170811-01 (480-122651-11).

Method 8260C: The laboratory control sample (LCS) and / or the laboratory control sample duplicate (LCSD) for batch 480-373384 exceeded control limits for the following analytes: Bromoform. MCP protocol allows for 10% of the target compounds to be outside of the limits provided the recoveries are over 10%. The following sample was affected : PDB-001-20170811-01 (480-122651-11).

Method 8260C: The laboratory control sample (LCS) and / or the laboratory control sample duplicate (LCSD) for batch 480-373384 exceeded control limits for the following analyte: Tetrahydrofuran. Unlike the calibration standards, this is due to the coelution with Methacrylonitrile in the spiking solution. This does not indicate a performance issue with the spike recovery, but rather the laboratory's ability to measure the two analytes together in a combined spiking solution. Through the use of spectral analysis, the two compounds can be distinguished from one another if present in a client sample. The following sample was affected : PDB-001-20170811-01 (480-122651-11).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### GC/MS Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

#### Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

## MassDEP Analytical Protocol Certification Form

Laboratory Name: **TestAmerica Buffalo** Project #: **480-122651**

Project Location: **IDS Wayland** RTN:

**This form provides certifications for the following data set: list Laboratory Sample ID Number(s):**  
**480-122651[11]**

Matrices:  Groundwater/Surface Water  Soil/Sediment  Drinking Water  Air  Other:

**CAM Protocols (check all that apply below):**

|  |  |   |   |   |   |
|--|--|---|---|---|---|
| 8260 VOC<br>CAM II A <input checked="" type="checkbox"/> | 7470/7471 Hg<br>CAM III B <input type="checkbox"/> | Mass DEP VPH<br>CAM IV A <input type="checkbox"/> | 8081 Pesticides<br>CAM V B <input type="checkbox"/>         | 7196 Hex Cr<br>CAM VI B <input type="checkbox"/>        | Mass DEP APH<br>CAM IX A <input type="checkbox"/> |
| 8270 SVOC<br>CAM II B <input type="checkbox"/>           | 7010 Metals<br>CAM III C <input type="checkbox"/>  | Mass DEP EPH<br>CAM IV B <input type="checkbox"/> | 8151 Herbicides<br>CAM V C <input type="checkbox"/>         | 8330 Explosives<br>CAM VIII A <input type="checkbox"/>  | TO-15 VOC<br>CAM IX B <input type="checkbox"/>    |
| 6010 Metals<br>CAM III A <input type="checkbox"/>        | 6020 Metals<br>CAM III D <input type="checkbox"/>  | 8082 PCB<br>CAM V A <input type="checkbox"/>      | 9014 Total Cyanide/PAC<br>CAM VI A <input type="checkbox"/> | 6860 Perchlorate<br>CAM VIII B <input type="checkbox"/> |   |

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

|          |   |  |
|----------|---|--|
| <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).<br>b. APH and TO-15 Methods only: Was the complete analyte list reported for each method? | <input type="checkbox"/> Yes <input type="checkbox"/> No<br><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  |

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

|          |   |  |
|----------|---|--|
| <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> |
|----------|---|--|

**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>H</b> | Were <b>all</b> 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.

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

Signature: Denise L. Giglia Position: Project Manager Assistant II  
 Printed Name: Denise L. Giglia Date: 8/24/17 10:58

# Detection Summary

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122651-1

**Client Sample ID: MW-1011-20170811-01**

**Lab Sample ID: 480-122651-1**

No Detections.

**Client Sample ID: MW-1020-20170811-01**

**Lab Sample ID: 480-122651-2**

| Analyte     | Result | Qualifier | RL   | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------|--------|-----------|------|-----|------|---------|---|--------|-----------|
| 1,4-Dioxane | 0.40   |           | 0.20 |     | ug/L | 1       |   | 522    | Total/NA  |

**Client Sample ID: MW-1026D-20170811-01**

**Lab Sample ID: 480-122651-3**

| Analyte     | Result | Qualifier | RL   | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------|--------|-----------|------|-----|------|---------|---|--------|-----------|
| 1,4-Dioxane | 0.44   |           | 0.20 |     | ug/L | 1       |   | 522    | Total/NA  |

**Client Sample ID: MW-1025D-20170811-01**

**Lab Sample ID: 480-122651-4**

No Detections.

**Client Sample ID: MW-1025M-20170811-01**

**Lab Sample ID: 480-122651-5**

| Analyte     | Result | Qualifier | RL   | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------|--------|-----------|------|-----|------|---------|---|--------|-----------|
| 1,4-Dioxane | 2.0    |           | 0.20 |     | ug/L | 1       |   | 522    | Total/NA  |

**Client Sample ID: MW-1024D-20170811-01**

**Lab Sample ID: 480-122651-6**

No Detections.

**Client Sample ID: MW-1023-20170811-01**

**Lab Sample ID: 480-122651-7**

No Detections.

**Client Sample ID: MW-1022-20170811-01**

**Lab Sample ID: 480-122651-8**

No Detections.

**Client Sample ID: MW-1034-20170811-01**

**Lab Sample ID: 480-122651-9**

No Detections.

**Client Sample ID: MW-1033-20170811-01**

**Lab Sample ID: 480-122651-10**

| Analyte     | Result | Qualifier | RL   | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------|--------|-----------|------|-----|------|---------|---|--------|-----------|
| 1,4-Dioxane | 0.70   |           | 0.20 |     | ug/L | 1       |   | 522    | Total/NA  |

**Client Sample ID: PDB-001-20170811-01**

**Lab Sample ID: 480-122651-11**

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122651-1

**Client Sample ID: MW-1011-20170811-01**

**Lab Sample ID: 480-122651-1**

Date Collected: 08/11/17 07:40

Matrix: Water

Date Received: 08/12/17 01:45

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

| Analyte               | Result    | Qualifier | RL       | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| 1,4-Dioxane           | ND        |           | 0.20     |     | ug/L |   | 08/14/17 22:57 | 08/15/17 18:50 | 1       |
| Surrogate             | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8 (Surr) | 80        |           | 46 - 130 |     |      |   | 08/14/17 22:57 | 08/15/17 18:50 | 1       |

**Client Sample ID: MW-1020-20170811-01**

**Lab Sample ID: 480-122651-2**

Date Collected: 08/11/17 07:55

Matrix: Water

Date Received: 08/12/17 01:45

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

| Analyte               | Result    | Qualifier | RL       | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| 1,4-Dioxane           | 0.40      |           | 0.20     |     | ug/L |   | 08/14/17 22:57 | 08/15/17 19:03 | 1       |
| Surrogate             | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8 (Surr) | 80        |           | 46 - 130 |     |      |   | 08/14/17 22:57 | 08/15/17 19:03 | 1       |

**Client Sample ID: MW-1026D-20170811-01**

**Lab Sample ID: 480-122651-3**

Date Collected: 08/11/17 08:05

Matrix: Water

Date Received: 08/12/17 01:45

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

| Analyte               | Result    | Qualifier | RL       | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| 1,4-Dioxane           | 0.44      |           | 0.20     |     | ug/L |   | 08/14/17 22:57 | 08/15/17 19:17 | 1       |
| Surrogate             | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8 (Surr) | 77        |           | 46 - 130 |     |      |   | 08/14/17 22:57 | 08/15/17 19:17 | 1       |

**Client Sample ID: MW-1025D-20170811-01**

**Lab Sample ID: 480-122651-4**

Date Collected: 08/11/17 08:30

Matrix: Water

Date Received: 08/12/17 01:45

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

| Analyte               | Result    | Qualifier | RL       | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| 1,4-Dioxane           | ND        |           | 0.20     |     | ug/L |   | 08/14/17 22:57 | 08/15/17 19:30 | 1       |
| Surrogate             | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8 (Surr) | 83        |           | 46 - 130 |     |      |   | 08/14/17 22:57 | 08/15/17 19:30 | 1       |

**Client Sample ID: MW-1025M-20170811-01**

**Lab Sample ID: 480-122651-5**

Date Collected: 08/11/17 08:35

Matrix: Water

Date Received: 08/12/17 01:45

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

| Analyte               | Result    | Qualifier | RL       | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| 1,4-Dioxane           | 2.0       |           | 0.20     |     | ug/L |   | 08/14/17 22:57 | 08/15/17 19:43 | 1       |
| Surrogate             | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8 (Surr) | 89        |           | 46 - 130 |     |      |   | 08/14/17 22:57 | 08/15/17 19:43 | 1       |

TestAmerica Buffalo



# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122651-1

**Client Sample ID: MW-1024D-20170811-01**

**Lab Sample ID: 480-122651-6**

Date Collected: 08/11/17 08:55

Matrix: Water

Date Received: 08/12/17 01:45

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

| Analyte     | Result | Qualifier | RL   | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|------|-----|------|---|----------------|----------------|---------|
| 1,4-Dioxane | ND     |           | 0.20 |     | ug/L |   | 08/14/17 22:57 | 08/15/17 19:57 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Dioxane-d8 (Surr) | 71        |           | 46 - 130 | 08/14/17 22:57 | 08/15/17 19:57 | 1       |

**Client Sample ID: MW-1023-20170811-01**

**Lab Sample ID: 480-122651-7**

Date Collected: 08/11/17 09:10

Matrix: Water

Date Received: 08/12/17 01:45

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

| Analyte     | Result | Qualifier | RL   | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|------|-----|------|---|----------------|----------------|---------|
| 1,4-Dioxane | ND     |           | 0.20 |     | ug/L |   | 08/14/17 22:57 | 08/15/17 20:10 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Dioxane-d8 (Surr) | 89        |           | 46 - 130 | 08/14/17 22:57 | 08/15/17 20:10 | 1       |

**Client Sample ID: MW-1022-20170811-01**

**Lab Sample ID: 480-122651-8**

Date Collected: 08/11/17 09:25

Matrix: Water

Date Received: 08/12/17 01:45

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

| Analyte     | Result | Qualifier | RL   | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|------|-----|------|---|----------------|----------------|---------|
| 1,4-Dioxane | ND     |           | 0.20 |     | ug/L |   | 08/14/17 22:57 | 08/15/17 20:24 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Dioxane-d8 (Surr) | 79        |           | 46 - 130 | 08/14/17 22:57 | 08/15/17 20:24 | 1       |

**Client Sample ID: MW-1034-20170811-01**

**Lab Sample ID: 480-122651-9**

Date Collected: 08/11/17 10:00

Matrix: Water

Date Received: 08/12/17 01:45

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

| Analyte     | Result | Qualifier | RL   | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|------|-----|------|---|----------------|----------------|---------|
| 1,4-Dioxane | ND     |           | 0.20 |     | ug/L |   | 08/14/17 17:27 | 08/15/17 17:29 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Dioxane-d8 (Surr) | 87        |           | 46 - 130 | 08/14/17 17:27 | 08/15/17 17:29 | 1       |

**Client Sample ID: MW-1033-20170811-01**

**Lab Sample ID: 480-122651-10**

Date Collected: 08/11/17 10:20

Matrix: Water

Date Received: 08/12/17 01:45

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

| Analyte     | Result | Qualifier | RL   | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------|--------|-----------|------|-----|------|---|----------------|----------------|---------|
| 1,4-Dioxane | 0.70   |           | 0.20 |     | ug/L |   | 08/14/17 22:57 | 08/15/17 20:51 | 1       |

| Surrogate             | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Dioxane-d8 (Surr) | 94        |           | 46 - 130 | 08/14/17 22:57 | 08/15/17 20:51 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122651-1

**Client Sample ID: PDB-001-20170811-01**

**Lab Sample ID: 480-122651-11**

**Date Collected: 08/11/17 10:40**

**Matrix: Water**

**Date Received: 08/12/17 01:45**

**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 |   |          | 08/23/17 06:03 | 1       |
| 1,1,1-Trichloroethane       | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND     |           | 0.50 |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| 1,1,2-Trichloroethane       | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| 1,1-Dichloroethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| 1,1-Dichloroethene          | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| 1,2,3-Trichlorobenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| 1,2,3-Trichloropropane      | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| 1,2,4-Trichlorobenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| 1,2,4-Trimethylbenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 5.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| 1,2-Dichloroethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| 1,2-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| 1,3,5-Trimethylbenzene      | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| 1,3-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| 1,4-Dioxane                 | ND     |           | 50   |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| 2,2-Dichloropropane         | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| 2-Butanone (MEK)            | ND     |           | 10   |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| 2-Chlorotoluene             | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| 2-Hexanone                  | ND     |           | 10   |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| 4-Chlorotoluene             | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| 4-Isopropyltoluene          | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 10   |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| Acetone                     | ND     |           | 50   |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| Benzene                     | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| Bromobenzene                | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| Bromoform                   | ND *   |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| Bromomethane                | ND     |           | 2.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| Carbon disulfide            | ND     |           | 10   |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| Carbon tetrachloride        | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| Chlorobenzene               | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| Chlorobromomethane          | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| Chlorodibromomethane        | ND     |           | 0.50 |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| Chloroethane                | ND     |           | 2.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| Chloroform                  | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| Chloromethane               | ND     |           | 2.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.40 |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| Dichlorobromomethane        | ND     |           | 0.50 |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| Dichlorodifluoromethane     | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| Ethyl ether                 | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| Ethylbenzene                | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| Ethylene Dibromide          | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| Hexachlorobutadiene         | ND     |           | 0.40 |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| Isopropyl ether             | ND     |           | 10   |     | ug/L |   |          | 08/23/17 06:03 | 1       |

TestAmerica Buffalo

# Client Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122651-1

**Client Sample ID: PDB-001-20170811-01**

**Lab Sample ID: 480-122651-11**

**Date Collected: 08/11/17 10:40**

**Matrix: Water**

**Date Received: 08/12/17 01:45**

**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 |   |          | 08/23/17 06:03 | 1       |
| Methyl tert-butyl ether   | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| Methylene Chloride        | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| m-Xylene & p-Xylene       | ND     |           | 2.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| Naphthalene               | ND     |           | 5.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| n-Butylbenzene            | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| N-Propylbenzene           | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| o-Xylene                  | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| sec-Butylbenzene          | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| Styrene                   | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| Tert-amyl methyl ether    | ND     |           | 5.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| Tert-butyl ethyl ether    | ND     |           | 5.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| tert-Butylbenzene         | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| Tetrachloroethene         | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| Tetrahydrofuran           | ND     | *         | 10   |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| Toluene                   | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.40 |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| Trichloroethene           | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| Trichlorofluoromethane    | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| Vinyl chloride            | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |
| Dibromomethane            | ND     |           | 1.0  |     | ug/L |   |          | 08/23/17 06:03 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr)            | 96        |           | 70 - 130 |          | 08/23/17 06:03 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 103       |           | 70 - 130 |          | 08/23/17 06:03 | 1       |
| 4-Bromofluorobenzene (Surr)  | 95        |           | 70 - 130 |          | 08/23/17 06:03 | 1       |

# Surrogate Summary

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122651-1

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

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID     | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                   |                 |
|-------------------|------------------------|--|-------------------|-----------------|
|                   |                        | TOL<br>(70-130)                                | 12DCE<br>(70-130) | BFB<br>(70-130) |
| 480-122651-11     | PDB-001-20170811-01    | 96   | 103               | 95              |
| LCS 480-373384/4  | Lab Control Sample     | 99   | 96                | 94              |
| LCSD 480-373384/5 | Lab Control Sample Dup | 96   | 97                | 98              |
| MB 480-373384/7   | Method Blank           | 101  | 104               | 96              |

#### Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID       | Client Sample ID     | 14DD8    |
|---------------------|----------------------|----------|
|                     |                      | (46-130) |
| 480-122651-1        | MW-1011-20170811-01  | 80       |
| 480-122651-2        | MW-1020-20170811-01  | 80       |
| 480-122651-3        | MW-1026D-20170811-01 | 77       |
| 480-122651-4        | MW-1025D-20170811-01 | 83       |
| 480-122651-5        | MW-1025M-20170811-01 | 89       |
| 480-122651-6        | MW-1024D-20170811-01 | 71       |
| 480-122651-7        | MW-1023-20170811-01  | 89       |
| 480-122651-8        | MW-1022-20170811-01  | 79       |
| 480-122651-9        | MW-1034-20170811-01  | 87       |
| 480-122651-10       | MW-1033-20170811-01  | 94       |
| LCS 200-119739/2-A  | Lab Control Sample   | 88       |
| LLCS 200-119749/2-A | Lab Control Sample   | 79       |
| MB 200-119739/1-A   | Method Blank         | 84       |
| MB 200-119749/1-A   | Method Blank         | 83       |

#### Surrogate Legend

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

# QC Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122651-1

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

Lab Sample ID: MB 480-373384/7

Matrix: Water

Analysis Batch: 373384

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 |   |          | 08/23/17 01:34 | 1       |
| 1,1,1-Trichloroethane       | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND        |              | 0.50 |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| 1,1,2-Trichloroethane       | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| 1,1-Dichloroethane          | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| 1,1-Dichloroethene          | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| 1,1-Dichloropropene         | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| 1,2,3-Trichlorobenzene      | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| 1,2,3-Trichloropropane      | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| 1,2,4-Trichlorobenzene      | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| 1,2,4-Trimethylbenzene      | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND        |              | 5.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| 1,2-Dichlorobenzene         | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| 1,2-Dichloroethane          | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| 1,2-Dichloropropane         | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| 1,3,5-Trimethylbenzene      | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| 1,3-Dichlorobenzene         | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| 1,3-Dichloropropane         | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| 1,4-Dichlorobenzene         | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| 1,4-Dioxane                 | ND        |              | 50   |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| 2,2-Dichloropropane         | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| 2-Butanone (MEK)            | ND        |              | 10   |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| 2-Chlorotoluene             | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| 2-Hexanone                  | ND        |              | 10   |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| 4-Chlorotoluene             | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| 4-Isopropyltoluene          | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND        |              | 10   |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| Acetone                     | ND        |              | 50   |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| Benzene                     | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| Bromobenzene                | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| Bromoform                   | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| Bromomethane                | ND        |              | 2.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| Carbon disulfide            | ND        |              | 10   |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| Carbon tetrachloride        | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| Chlorobenzene               | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| Chlorobromomethane          | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| Chlorodibromomethane        | ND        |              | 0.50 |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| Chloroethane                | ND        |              | 2.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| Chloroform                  | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| Chloromethane               | ND        |              | 2.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| cis-1,2-Dichloroethene      | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| cis-1,3-Dichloropropene     | ND        |              | 0.40 |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| Dichlorobromomethane        | ND        |              | 0.50 |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| Dichlorodifluoromethane     | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| Ethyl ether                 | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| Ethylbenzene                | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| Ethylene Dibromide          | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| Hexachlorobutadiene         | ND        |              | 0.40 |     | ug/L |   |          | 08/23/17 01:34 | 1       |

TestAmerica Buffalo

# QC Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122651-1

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

**Lab Sample ID: MB 480-373384/7**  
**Matrix: Water**  
**Analysis Batch: 373384**

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

| Analyte                   | MB Result | MB Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|--------------|------|-----|------|---|----------|----------------|---------|
| Isopropyl ether           | ND        |              | 10   |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| Isopropylbenzene          | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| Methyl tert-butyl ether   | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| Methylene Chloride        | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| m-Xylene & p-Xylene       | ND        |              | 2.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| Naphthalene               | ND        |              | 5.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| n-Butylbenzene            | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| N-Propylbenzene           | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| o-Xylene                  | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| sec-Butylbenzene          | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| Styrene                   | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| Tert-amyl methyl ether    | ND        |              | 5.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| Tert-butyl ethyl ether    | ND        |              | 5.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| tert-Butylbenzene         | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| Tetrachloroethene         | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| Tetrahydrofuran           | ND        |              | 10   |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| Toluene                   | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| trans-1,2-Dichloroethene  | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| trans-1,3-Dichloropropene | ND        |              | 0.40 |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| Trichloroethene           | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| Trichlorofluoromethane    | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| Vinyl chloride            | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |
| Dibromomethane            | ND        |              | 1.0  |     | ug/L |   |          | 08/23/17 01:34 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| Toluene-d8 (Surr)            | 101          |              | 70 - 130 |          | 08/23/17 01:34 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 104          |              | 70 - 130 |          | 08/23/17 01:34 | 1       |
| 4-Bromofluorobenzene (Surr)  | 96           |              | 70 - 130 |          | 08/23/17 01:34 | 1       |

**Lab Sample ID: LCS 480-373384/4**  
**Matrix: Water**  
**Analysis Batch: 373384**

**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        | 27.2       |               | ug/L |   | 109  | 70 - 130     |
| 1,1,1-Trichloroethane       | 25.0        | 27.8       |               | ug/L |   | 111  | 70 - 130     |
| 1,1,2,2-Tetrachloroethane   | 25.0        | 27.2       |               | ug/L |   | 109  | 70 - 130     |
| 1,1,2-Trichloroethane       | 25.0        | 24.2       |               | ug/L |   | 97   | 70 - 130     |
| 1,1-Dichloroethane          | 25.0        | 27.3       |               | ug/L |   | 109  | 70 - 130     |
| 1,1-Dichloroethene          | 25.0        | 25.6       |               | ug/L |   | 103  | 70 - 130     |
| 1,1-Dichloropropene         | 25.0        | 26.5       |               | ug/L |   | 106  | 70 - 130     |
| 1,2,3-Trichlorobenzene      | 25.0        | 25.2       |               | ug/L |   | 101  | 70 - 130     |
| 1,2,3-Trichloropropane      | 25.0        | 26.5       |               | ug/L |   | 106  | 70 - 130     |
| 1,2,4-Trichlorobenzene      | 25.0        | 24.6       |               | ug/L |   | 98   | 70 - 130     |
| 1,2,4-Trimethylbenzene      | 25.0        | 26.1       |               | ug/L |   | 105  | 70 - 130     |
| 1,2-Dibromo-3-Chloropropane | 25.0        | 24.5       |               | ug/L |   | 98   | 70 - 130     |
| 1,2-Dichlorobenzene         | 25.0        | 25.1       |               | ug/L |   | 100  | 70 - 130     |
| 1,2-Dichloroethane          | 25.0        | 24.3       |               | ug/L |   | 97   | 70 - 130     |

TestAmerica Buffalo



# QC Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122651-1

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

Lab Sample ID: LCS 480-373384/4

Matrix: Water

Analysis Batch: 373384

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,2-Dichloropropane         | 25.0        | 24.5       |               | ug/L |   | 98   | 70 - 130     |
| 1,3,5-Trimethylbenzene      | 25.0        | 26.8       |               | ug/L |   | 107  | 70 - 130     |
| 1,3-Dichlorobenzene         | 25.0        | 25.4       |               | ug/L |   | 102  | 70 - 130     |
| 1,3-Dichloropropane         | 25.0        | 24.0       |               | ug/L |   | 96   | 70 - 130     |
| 1,4-Dichlorobenzene         | 25.0        | 25.5       |               | ug/L |   | 102  | 70 - 130     |
| 1,4-Dioxane                 | 500         | 460        |               | ug/L |   | 92   | 70 - 130     |
| 2,2-Dichloropropane         | 25.0        | 27.5       |               | ug/L |   | 110  | 70 - 130     |
| 2-Butanone (MEK)            | 125         | 143        |               | ug/L |   | 114  | 70 - 130     |
| 2-Chlorotoluene             | 25.0        | 26.4       |               | ug/L |   | 106  | 70 - 130     |
| 2-Hexanone                  | 125         | 130        |               | ug/L |   | 104  | 70 - 130     |
| 4-Chlorotoluene             | 25.0        | 25.5       |               | ug/L |   | 102  | 70 - 130     |
| 4-Isopropyltoluene          | 25.0        | 27.0       |               | ug/L |   | 108  | 70 - 130     |
| 4-Methyl-2-pentanone (MIBK) | 125         | 128        |               | ug/L |   | 102  | 70 - 130     |
| Acetone                     | 125         | 132        |               | ug/L |   | 106  | 70 - 130     |
| Benzene                     | 25.0        | 25.5       |               | ug/L |   | 102  | 70 - 130     |
| Bromobenzene                | 25.0        | 25.3       |               | ug/L |   | 101  | 70 - 130     |
| Bromoform                   | 25.0        | 31.1       |               | ug/L |   | 124  | 70 - 130     |
| Bromomethane                | 25.0        | 22.9       |               | ug/L |   | 92   | 70 - 130     |
| Carbon disulfide            | 25.0        | 26.1       |               | ug/L |   | 104  | 70 - 130     |
| Carbon tetrachloride        | 25.0        | 28.2       |               | ug/L |   | 113  | 70 - 130     |
| Chlorobenzene               | 25.0        | 25.2       |               | ug/L |   | 101  | 70 - 130     |
| Chlorobromomethane          | 25.0        | 25.3       |               | ug/L |   | 101  | 70 - 130     |
| Chlorodibromomethane        | 25.0        | 23.8       |               | ug/L |   | 95   | 70 - 130     |
| Chloroethane                | 25.0        | 25.4       |               | ug/L |   | 102  | 70 - 130     |
| Chloroform                  | 25.0        | 25.9       |               | ug/L |   | 103  | 70 - 130     |
| Chloromethane               | 25.0        | 24.8       |               | ug/L |   | 99   | 70 - 130     |
| cis-1,2-Dichloroethene      | 25.0        | 26.1       |               | ug/L |   | 104  | 70 - 130     |
| cis-1,3-Dichloropropene     | 25.0        | 27.0       |               | ug/L |   | 108  | 70 - 130     |
| Dichlorobromomethane        | 25.0        | 27.4       |               | ug/L |   | 110  | 70 - 130     |
| Dichlorodifluoromethane     | 25.0        | 24.2       |               | ug/L |   | 97   | 70 - 130     |
| Ethyl ether                 | 25.0        | 24.7       |               | ug/L |   | 99   | 70 - 130     |
| Ethylbenzene                | 25.0        | 25.8       |               | ug/L |   | 103  | 70 - 130     |
| Ethylene Dibromide          | 25.0        | 24.9       |               | ug/L |   | 99   | 70 - 130     |
| Hexachlorobutadiene         | 25.0        | 27.2       |               | ug/L |   | 109  | 70 - 130     |
| Isopropyl ether             | 25.0        | 25.9       |               | ug/L |   | 103  | 70 - 130     |
| Isopropylbenzene            | 25.0        | 27.0       |               | ug/L |   | 108  | 70 - 130     |
| Methyl tert-butyl ether     | 25.0        | 24.3       |               | ug/L |   | 97   | 70 - 130     |
| Methylene Chloride          | 25.0        | 23.7       |               | ug/L |   | 95   | 70 - 130     |
| m-Xylene & p-Xylene         | 25.0        | 26.2       |               | ug/L |   | 105  | 70 - 130     |
| Naphthalene                 | 25.0        | 26.5       |               | ug/L |   | 106  | 70 - 130     |
| n-Butylbenzene              | 25.0        | 27.5       |               | ug/L |   | 110  | 70 - 130     |
| N-Propylbenzene             | 25.0        | 27.0       |               | ug/L |   | 108  | 70 - 130     |
| o-Xylene                    | 25.0        | 25.8       |               | ug/L |   | 103  | 70 - 130     |
| sec-Butylbenzene            | 25.0        | 26.3       |               | ug/L |   | 105  | 70 - 130     |
| Styrene                     | 25.0        | 26.5       |               | ug/L |   | 106  | 70 - 130     |
| Tert-amyl methyl ether      | 25.0        | 25.4       |               | ug/L |   | 102  | 70 - 130     |
| Tert-butyl ethyl ether      | 25.0        | 25.5       |               | ug/L |   | 102  | 70 - 130     |
| tert-Butylbenzene           | 25.0        | 25.9       |               | ug/L |   | 104  | 70 - 130     |

TestAmerica Buffalo

# QC Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122651-1

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

**Lab Sample ID: LCS 480-373384/4**  
**Matrix: Water**  
**Analysis Batch: 373384**

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

| Analyte                   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------|-------------|------------|---------------|------|---|------|--------------|
| Tetrachloroethene         | 25.0        | 26.8       |               | ug/L |   | 107  | 70 - 130     |
| Tetrahydrofuran           | 50.0        | 68.0       | *             | ug/L |   | 136  | 70 - 130     |
| Toluene                   | 25.0        | 25.8       |               | ug/L |   | 103  | 70 - 130     |
| trans-1,2-Dichloroethene  | 25.0        | 26.8       |               | ug/L |   | 107  | 70 - 130     |
| trans-1,3-Dichloropropene | 25.0        | 24.2       |               | ug/L |   | 97   | 70 - 130     |
| Trichloroethene           | 25.0        | 25.4       |               | ug/L |   | 102  | 70 - 130     |
| Trichlorofluoromethane    | 25.0        | 28.2       |               | ug/L |   | 113  | 70 - 130     |
| Vinyl chloride            | 25.0        | 25.9       |               | ug/L |   | 104  | 70 - 130     |
| Dibromomethane            | 25.0        | 25.0       |               | ug/L |   | 100  | 70 - 130     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| Toluene-d8 (Surr)            | 99            |               | 70 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 96            |               | 70 - 130 |
| 4-Bromofluorobenzene (Surr)  | 94            |               | 70 - 130 |

**Lab Sample ID: LCSD 480-373384/5**  
**Matrix: Water**  
**Analysis Batch: 373384**

**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        | 25.8        |                | ug/L |   | 103  | 70 - 130     | 5   | 20        |
| 1,1,1-Trichloroethane       | 25.0        | 24.8        |                | ug/L |   | 99   | 70 - 130     | 11  | 20        |
| 1,1,1,2,2-Tetrachloroethane | 25.0        | 27.6        |                | ug/L |   | 110  | 70 - 130     | 1   | 20        |
| 1,1,1,2-Trichloroethane     | 25.0        | 24.1        |                | ug/L |   | 96   | 70 - 130     | 0   | 20        |
| 1,1-Dichloroethane          | 25.0        | 25.2        |                | ug/L |   | 101  | 70 - 130     | 8   | 20        |
| 1,1-Dichloroethene          | 25.0        | 23.2        |                | ug/L |   | 93   | 70 - 130     | 10  | 20        |
| 1,1-Dichloropropene         | 25.0        | 24.3        |                | ug/L |   | 97   | 70 - 130     | 8   | 20        |
| 1,2,3-Trichlorobenzene      | 25.0        | 25.5        |                | ug/L |   | 102  | 70 - 130     | 1   | 20        |
| 1,2,3-Trichloropropane      | 25.0        | 26.1        |                | ug/L |   | 104  | 70 - 130     | 2   | 20        |
| 1,2,4-Trichlorobenzene      | 25.0        | 25.1        |                | ug/L |   | 101  | 70 - 130     | 2   | 20        |
| 1,2,4-Trimethylbenzene      | 25.0        | 25.9        |                | ug/L |   | 104  | 70 - 130     | 1   | 20        |
| 1,2-Dibromo-3-Chloropropane | 25.0        | 23.3        |                | ug/L |   | 93   | 70 - 130     | 5   | 20        |
| 1,2-Dichlorobenzene         | 25.0        | 25.6        |                | ug/L |   | 102  | 70 - 130     | 2   | 20        |
| 1,2-Dichloroethane          | 25.0        | 23.5        |                | ug/L |   | 94   | 70 - 130     | 3   | 20        |
| 1,2-Dichloropropane         | 25.0        | 24.3        |                | ug/L |   | 97   | 70 - 130     | 1   | 20        |
| 1,3,5-Trimethylbenzene      | 25.0        | 26.1        |                | ug/L |   | 104  | 70 - 130     | 3   | 20        |
| 1,3-Dichlorobenzene         | 25.0        | 25.0        |                | ug/L |   | 100  | 70 - 130     | 1   | 20        |
| 1,3-Dichloropropane         | 25.0        | 24.6        |                | ug/L |   | 98   | 70 - 130     | 3   | 20        |
| 1,4-Dichlorobenzene         | 25.0        | 25.3        |                | ug/L |   | 101  | 70 - 130     | 0   | 20        |
| 1,4-Dioxane                 | 500         | 472         |                | ug/L |   | 94   | 70 - 130     | 3   | 20        |
| 2,2-Dichloropropane         | 25.0        | 24.9        |                | ug/L |   | 99   | 70 - 130     | 10  | 20        |
| 2-Butanone (MEK)            | 125         | 130         |                | ug/L |   | 104  | 70 - 130     | 9   | 20        |
| 2-Chlorotoluene             | 25.0        | 26.1        |                | ug/L |   | 104  | 70 - 130     | 1   | 20        |
| 2-Hexanone                  | 125         | 131         |                | ug/L |   | 105  | 70 - 130     | 1   | 20        |
| 4-Chlorotoluene             | 25.0        | 25.7        |                | ug/L |   | 103  | 70 - 130     | 1   | 20        |
| 4-Isopropyltoluene          | 25.0        | 26.1        |                | ug/L |   | 104  | 70 - 130     | 3   | 20        |
| 4-Methyl-2-pentanone (MIBK) | 125         | 127         |                | ug/L |   | 102  | 70 - 130     | 0   | 20        |
| Acetone                     | 125         | 128         |                | ug/L |   | 103  | 70 - 130     | 3   | 20        |

TestAmerica Buffalo

# QC Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122651-1

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

**Lab Sample ID: LCSD 480-373384/5**  
**Matrix: Water**  
**Analysis Batch: 373384**

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

| Analyte                   | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Benzene                   | 25.0        | 24.2        |                | ug/L |   | 97   | 70 - 130     | 6   | 20        |
| Bromobenzene              | 25.0        | 25.3        |                | ug/L |   | 101  | 70 - 130     | 0   | 20        |
| Bromoform                 | 25.0        | 33.3        | *              | ug/L |   | 133  | 70 - 130     | 7   | 20        |
| Bromomethane              | 25.0        | 21.6        |                | ug/L |   | 86   | 70 - 130     | 6   | 20        |
| Carbon disulfide          | 25.0        | 23.5        |                | ug/L |   | 94   | 70 - 130     | 10  | 20        |
| Carbon tetrachloride      | 25.0        | 25.6        |                | ug/L |   | 102  | 70 - 130     | 10  | 20        |
| Chlorobenzene             | 25.0        | 24.5        |                | ug/L |   | 98   | 70 - 130     | 3   | 20        |
| Chlorobromomethane        | 25.0        | 23.9        |                | ug/L |   | 96   | 70 - 130     | 6   | 20        |
| Chlorodibromomethane      | 25.0        | 22.8        |                | ug/L |   | 91   | 70 - 130     | 4   | 20        |
| Chloroethane              | 25.0        | 22.9        |                | ug/L |   | 92   | 70 - 130     | 10  | 20        |
| Chloroform                | 25.0        | 23.9        |                | ug/L |   | 96   | 70 - 130     | 8   | 20        |
| Chloromethane             | 25.0        | 22.1        |                | ug/L |   | 88   | 70 - 130     | 12  | 20        |
| cis-1,2-Dichloroethene    | 25.0        | 24.6        |                | ug/L |   | 98   | 70 - 130     | 6   | 20        |
| cis-1,3-Dichloropropene   | 25.0        | 25.6        |                | ug/L |   | 103  | 70 - 130     | 5   | 20        |
| Dichlorobromomethane      | 25.0        | 26.7        |                | ug/L |   | 107  | 70 - 130     | 2   | 20        |
| Dichlorodifluoromethane   | 25.0        | 21.4        |                | ug/L |   | 85   | 70 - 130     | 12  | 20        |
| Ethyl ether               | 25.0        | 23.7        |                | ug/L |   | 95   | 70 - 130     | 4   | 20        |
| Ethylbenzene              | 25.0        | 24.9        |                | ug/L |   | 99   | 70 - 130     | 4   | 20        |
| Ethylene Dibromide        | 25.0        | 25.1        |                | ug/L |   | 100  | 70 - 130     | 1   | 20        |
| Hexachlorobutadiene       | 25.0        | 25.3        |                | ug/L |   | 101  | 70 - 130     | 7   | 20        |
| Isopropyl ether           | 25.0        | 25.2        |                | ug/L |   | 101  | 70 - 130     | 3   | 20        |
| Isopropylbenzene          | 25.0        | 26.1        |                | ug/L |   | 104  | 70 - 130     | 3   | 20        |
| Methyl tert-butyl ether   | 25.0        | 24.0        |                | ug/L |   | 96   | 70 - 130     | 1   | 20        |
| Methylene Chloride        | 25.0        | 23.6        |                | ug/L |   | 94   | 70 - 130     | 0   | 20        |
| m-Xylene & p-Xylene       | 25.0        | 25.2        |                | ug/L |   | 101  | 70 - 130     | 4   | 20        |
| Naphthalene               | 25.0        | 27.2        |                | ug/L |   | 109  | 70 - 130     | 3   | 20        |
| n-Butylbenzene            | 25.0        | 26.2        |                | ug/L |   | 105  | 70 - 130     | 5   | 20        |
| N-Propylbenzene           | 25.0        | 26.0        |                | ug/L |   | 104  | 70 - 130     | 4   | 20        |
| o-Xylene                  | 25.0        | 25.3        |                | ug/L |   | 101  | 70 - 130     | 2   | 20        |
| sec-Butylbenzene          | 25.0        | 25.6        |                | ug/L |   | 102  | 70 - 130     | 3   | 20        |
| Styrene                   | 25.0        | 25.1        |                | ug/L |   | 100  | 70 - 130     | 6   | 20        |
| Tert-amyl methyl ether    | 25.0        | 25.1        |                | ug/L |   | 100  | 70 - 130     | 1   | 20        |
| Tert-butyl ethyl ether    | 25.0        | 24.9        |                | ug/L |   | 100  | 70 - 130     | 3   | 20        |
| tert-Butylbenzene         | 25.0        | 25.7        |                | ug/L |   | 103  | 70 - 130     | 1   | 20        |
| Tetrachloroethene         | 25.0        | 26.3        |                | ug/L |   | 105  | 70 - 130     | 2   | 20        |
| Tetrahydrofuran           | 50.0        | 66.2        | *              | ug/L |   | 132  | 70 - 130     | 3   | 20        |
| Toluene                   | 25.0        | 24.4        |                | ug/L |   | 98   | 70 - 130     | 6   | 20        |
| trans-1,2-Dichloroethene  | 25.0        | 25.0        |                | ug/L |   | 100  | 70 - 130     | 7   | 20        |
| trans-1,3-Dichloropropene | 25.0        | 23.7        |                | ug/L |   | 95   | 70 - 130     | 2   | 20        |
| Trichloroethene           | 25.0        | 23.8        |                | ug/L |   | 95   | 70 - 130     | 6   | 20        |
| Trichlorofluoromethane    | 25.0        | 25.2        |                | ug/L |   | 101  | 70 - 130     | 11  | 20        |
| Vinyl chloride            | 25.0        | 23.6        |                | ug/L |   | 94   | 70 - 130     | 9   | 20        |
| Dibromomethane            | 25.0        | 24.1        |                | ug/L |   | 96   | 70 - 130     | 4   | 20        |

| Surrogate                    | LCSD LCSD |           | Limits   |
|------------------------------|-----------|-----------|----------|
|                              | %Recovery | Qualifier |          |
| Toluene-d8 (Surr)            | 96        |           | 70 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 97        |           | 70 - 130 |
| 4-Bromofluorobenzene (Surr)  | 98        |           | 70 - 130 |

TestAmerica Buffalo

# QC Sample Results

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122651-1

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

**Lab Sample ID: MB 200-119739/1-A**  
**Matrix: Water**  
**Analysis Batch: 119776**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 119739**

| Analyte               | MB Result | MB Qualifier | RL       | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|--------------|----------|-----|------|---|----------------|----------------|---------|
| 1,4-Dioxane           | ND        |              | 0.20     |     | ug/L |   | 08/14/17 17:27 | 08/15/17 12:19 | 1       |
| Surrogate             | %Recovery | MB Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8 (Surr) | 84        |              | 46 - 130 |     |      |   | 08/14/17 17:27 | 08/15/17 12:19 | 1       |

**Lab Sample ID: LCS 200-119739/2-A**  
**Matrix: Water**  
**Analysis Batch: 119776**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 119739**

| Analyte               | Spike Added | LCS Result    | LCS Qualifier | Unit | D | %Rec | Limits   |  |  |
|-----------------------|-------------|---------------|---------------|------|---|------|----------|--|--|
| 1,4-Dioxane           | 8.00        | 7.90          |               | ug/L |   | 99   | 70 - 130 |  |  |
| Surrogate             | %Recovery   | LCS Qualifier | Limits        |      |   |      | %Rec.    |  |  |
| 1,4-Dioxane-d8 (Surr) | 88          |               | 46 - 130      |      |   |      |          |  |  |

**Lab Sample ID: MB 200-119749/1-A**  
**Matrix: Water**  
**Analysis Batch: 119776**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 119749**

| Analyte               | MB Result | MB Qualifier | RL       | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|--------------|----------|-----|------|---|----------------|----------------|---------|
| 1,4-Dioxane           | ND        |              | 0.20     |     | ug/L |   | 08/14/17 22:57 | 08/15/17 18:09 | 1       |
| Surrogate             | %Recovery | MB Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8 (Surr) | 83        |              | 46 - 130 |     |      |   | 08/14/17 22:57 | 08/15/17 18:09 | 1       |

**Lab Sample ID: LLCS 200-119749/2-A**  
**Matrix: Water**  
**Analysis Batch: 119776**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 119749**

| Analyte               | Spike Added | LLCS Result    | LLCS Qualifier | Unit | D | %Rec | Limits   |  |  |
|-----------------------|-------------|----------------|----------------|------|---|------|----------|--|--|
| 1,4-Dioxane           | 0.200       | 0.167          | J              | ug/L |   | 83   | 50 - 150 |  |  |
| Surrogate             | %Recovery   | LLCS Qualifier | Limits         |      |   |      | %Rec.    |  |  |
| 1,4-Dioxane-d8 (Surr) | 79          |                | 46 - 130       |      |   |      |          |  |  |

# QC Association Summary

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122651-1

## GC/MS VOA

### Analysis Batch: 373384

| Lab Sample ID    | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------------|-----------|--------|--------|------------|
| 480-122651-11    | PDB-001-20170811-01    | Total/NA  | Water  | 8260C  |            |
| MB 480-373384/7  | Method Blank           | Total/NA  | Water  | 8260C  |            |
| LCS 480-373384/4 | Lab Control Sample     | Total/NA  | Water  | 8260C  |            |
| LCS 480-373384/5 | Lab Control Sample Dup | Total/NA  | Water  | 8260C  |            |

## GC/MS Semi VOA

### Prep Batch: 119739

| Lab Sample ID      | Client Sample ID    | Prep Type | Matrix | Method | Prep Batch |
|--------------------|---------------------|-----------|--------|--------|------------|
| 480-122651-9       | MW-1034-20170811-01 | Total/NA  | Water  | 3535A  |            |
| MB 200-119739/1-A  | Method Blank        | Total/NA  | Water  | 3535A  |            |
| LCS 200-119739/2-A | Lab Control Sample  | Total/NA  | Water  | 3535A  |            |

### Prep Batch: 119749

| Lab Sample ID       | Client Sample ID     | Prep Type | Matrix | Method | Prep Batch |
|---------------------|----------------------|-----------|--------|--------|------------|
| 480-122651-1        | MW-1011-20170811-01  | Total/NA  | Water  | 3535A  |            |
| 480-122651-2        | MW-1020-20170811-01  | Total/NA  | Water  | 3535A  |            |
| 480-122651-3        | MW-1026D-20170811-01 | Total/NA  | Water  | 3535A  |            |
| 480-122651-4        | MW-1025D-20170811-01 | Total/NA  | Water  | 3535A  |            |
| 480-122651-5        | MW-1025M-20170811-01 | Total/NA  | Water  | 3535A  |            |
| 480-122651-6        | MW-1024D-20170811-01 | Total/NA  | Water  | 3535A  |            |
| 480-122651-7        | MW-1023-20170811-01  | Total/NA  | Water  | 3535A  |            |
| 480-122651-8        | MW-1022-20170811-01  | Total/NA  | Water  | 3535A  |            |
| 480-122651-10       | MW-1033-20170811-01  | Total/NA  | Water  | 3535A  |            |
| MB 200-119749/1-A   | Method Blank         | Total/NA  | Water  | 3535A  |            |
| LLCS 200-119749/2-A | Lab Control Sample   | Total/NA  | Water  | 3535A  |            |

### Analysis Batch: 119776

| Lab Sample ID       | Client Sample ID     | Prep Type | Matrix | Method | Prep Batch |
|---------------------|----------------------|-----------|--------|--------|------------|
| 480-122651-1        | MW-1011-20170811-01  | Total/NA  | Water  | 522    | 119749     |
| 480-122651-2        | MW-1020-20170811-01  | Total/NA  | Water  | 522    | 119749     |
| 480-122651-3        | MW-1026D-20170811-01 | Total/NA  | Water  | 522    | 119749     |
| 480-122651-4        | MW-1025D-20170811-01 | Total/NA  | Water  | 522    | 119749     |
| 480-122651-5        | MW-1025M-20170811-01 | Total/NA  | Water  | 522    | 119749     |
| 480-122651-6        | MW-1024D-20170811-01 | Total/NA  | Water  | 522    | 119749     |
| 480-122651-7        | MW-1023-20170811-01  | Total/NA  | Water  | 522    | 119749     |
| 480-122651-8        | MW-1022-20170811-01  | Total/NA  | Water  | 522    | 119749     |
| 480-122651-9        | MW-1034-20170811-01  | Total/NA  | Water  | 522    | 119739     |
| 480-122651-10       | MW-1033-20170811-01  | Total/NA  | Water  | 522    | 119749     |
| MB 200-119739/1-A   | Method Blank         | Total/NA  | Water  | 522    | 119739     |
| MB 200-119749/1-A   | Method Blank         | Total/NA  | Water  | 522    | 119749     |
| LCS 200-119739/2-A  | Lab Control Sample   | Total/NA  | Water  | 522    | 119739     |
| LLCS 200-119749/2-A | Lab Control Sample   | Total/NA  | Water  | 522    | 119749     |

TestAmerica Buffalo

# Lab Chronicle

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122651-1

**Client Sample ID: MW-1011-20170811-01**

**Lab Sample ID: 480-122651-1**

**Date Collected: 08/11/17 07:40**

**Matrix: Water**

**Date Received: 08/12/17 01:45**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3535A        |     |                 | 119749       | 08/14/17 22:57       | MRL     | TAL BUR |
| Total/NA  | Analysis   | 522          |     | 1               | 119776       | 08/15/17 18:50       | K1P     | TAL BUR |

**Client Sample ID: MW-1020-20170811-01**

**Lab Sample ID: 480-122651-2**

**Date Collected: 08/11/17 07:55**

**Matrix: Water**

**Date Received: 08/12/17 01:45**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3535A        |     |                 | 119749       | 08/14/17 22:57       | MRL     | TAL BUR |
| Total/NA  | Analysis   | 522          |     | 1               | 119776       | 08/15/17 19:03       | K1P     | TAL BUR |

**Client Sample ID: MW-1026D-20170811-01**

**Lab Sample ID: 480-122651-3**

**Date Collected: 08/11/17 08:05**

**Matrix: Water**

**Date Received: 08/12/17 01:45**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3535A        |     |                 | 119749       | 08/14/17 22:57       | MRL     | TAL BUR |
| Total/NA  | Analysis   | 522          |     | 1               | 119776       | 08/15/17 19:17       | K1P     | TAL BUR |

**Client Sample ID: MW-1025D-20170811-01**

**Lab Sample ID: 480-122651-4**

**Date Collected: 08/11/17 08:30**

**Matrix: Water**

**Date Received: 08/12/17 01:45**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3535A        |     |                 | 119749       | 08/14/17 22:57       | MRL     | TAL BUR |
| Total/NA  | Analysis   | 522          |     | 1               | 119776       | 08/15/17 19:30       | K1P     | TAL BUR |

**Client Sample ID: MW-1025M-20170811-01**

**Lab Sample ID: 480-122651-5**

**Date Collected: 08/11/17 08:35**

**Matrix: Water**

**Date Received: 08/12/17 01:45**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3535A        |     |                 | 119749       | 08/14/17 22:57       | MRL     | TAL BUR |
| Total/NA  | Analysis   | 522          |     | 1               | 119776       | 08/15/17 19:43       | K1P     | TAL BUR |

**Client Sample ID: MW-1024D-20170811-01**

**Lab Sample ID: 480-122651-6**

**Date Collected: 08/11/17 08:55**

**Matrix: Water**

**Date Received: 08/12/17 01:45**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3535A        |     |                 | 119749       | 08/14/17 22:57       | MRL     | TAL BUR |
| Total/NA  | Analysis   | 522          |     | 1               | 119776       | 08/15/17 19:57       | K1P     | TAL BUR |

TestAmerica Buffalo

# Lab Chronicle

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122651-1

**Client Sample ID: MW-1023-20170811-01**

**Lab Sample ID: 480-122651-7**

**Date Collected: 08/11/17 09:10**

**Matrix: Water**

**Date Received: 08/12/17 01:45**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3535A        |     |                 | 119749       | 08/14/17 22:57       | MRL     | TAL BUR |
| Total/NA  | Analysis   | 522          |     | 1               | 119776       | 08/15/17 20:10       | K1P     | TAL BUR |

**Client Sample ID: MW-1022-20170811-01**

**Lab Sample ID: 480-122651-8**

**Date Collected: 08/11/17 09:25**

**Matrix: Water**

**Date Received: 08/12/17 01:45**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3535A        |     |                 | 119749       | 08/14/17 22:57       | MRL     | TAL BUR |
| Total/NA  | Analysis   | 522          |     | 1               | 119776       | 08/15/17 20:24       | K1P     | TAL BUR |

**Client Sample ID: MW-1034-20170811-01**

**Lab Sample ID: 480-122651-9**

**Date Collected: 08/11/17 10:00**

**Matrix: Water**

**Date Received: 08/12/17 01:45**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3535A        |     |                 | 119739       | 08/14/17 17:27       | MRL     | TAL BUR |
| Total/NA  | Analysis   | 522          |     | 1               | 119776       | 08/15/17 17:29       | K1P     | TAL BUR |

**Client Sample ID: MW-1033-20170811-01**

**Lab Sample ID: 480-122651-10**

**Date Collected: 08/11/17 10:20**

**Matrix: Water**

**Date Received: 08/12/17 01:45**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3535A        |     |                 | 119749       | 08/14/17 22:57       | MRL     | TAL BUR |
| Total/NA  | Analysis   | 522          |     | 1               | 119776       | 08/15/17 20:51       | K1P     | TAL BUR |

**Client Sample ID: PDB-001-20170811-01**

**Lab Sample ID: 480-122651-11**

**Date Collected: 08/11/17 10:40**

**Matrix: Water**

**Date Received: 08/12/17 01:45**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 373384       | 08/23/17 06:03       | KMN     | TAL BUF |

**Laboratory References:**

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

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



# Accreditation/Certification Summary

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122651-1

## Laboratory: TestAmerica Buffalo

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

| Authority      | Program       | EPA Region | Identification Number | Expiration Date |
|----------------|---------------|------------|-----------------------|-----------------|
| Arkansas DEQ   | State Program | 6          | 88-0686               | 07-06-18        |
| California     | State Program | 9          | 1169CA                | 09-30-17        |
| Connecticut    | State Program | 1          | PH-0568               | 09-30-18        |
| Florida        | NELAP         | 4          | E87672                | 06-30-18        |
| Georgia        | State Program | 4          | 10026 (NY)            | 03-31-18        |
| Georgia        | State Program | 4          | 956                   | 03-31-18        |
| Illinois       | NELAP         | 5          | 200003                | 09-30-17        |
| Iowa           | State Program | 7          | 374                   | 03-01-19        |
| Kansas         | NELAP         | 7          | E-10187               | 01-31-18        |
| Kentucky (DW)  | State Program | 4          | 90029                 | 12-31-17        |
| Kentucky (UST) | State Program | 4          | 30                    | 03-31-18        |
| Kentucky (WW)  | State Program | 4          | 90029                 | 12-31-17        |
| Louisiana      | NELAP         | 6          | 02031                 | 06-30-18        |
| Maine          | State Program | 1          | NY00044               | 12-04-18        |
| Maryland       | State Program | 3          | 294                   | 03-31-18        |
| Massachusetts  | State Program | 1          | M-NY044               | 06-30-18        |
| Michigan       | State Program | 5          | 9937                  | 04-01-09 *      |
| Minnesota      | NELAP         | 5          | 036-999-337           | 12-31-17        |
| New Hampshire  | NELAP         | 1          | 2337                  | 11-17-17        |
| New Jersey     | NELAP         | 2          | NY455                 | 06-30-18        |
| New York       | NELAP         | 2          | 10026                 | 03-31-18        |
| North Dakota   | State Program | 8          | R-176                 | 03-31-18        |
| Oklahoma       | State Program | 6          | 9421                  | 08-31-17        |
| Oregon         | NELAP         | 10         | NY200003              | 06-09-18        |
| Pennsylvania   | NELAP         | 3          | 68-00281              | 07-31-18        |
| Rhode Island   | State Program | 1          | LAO00328              | 12-30-17        |
| Tennessee      | State Program | 4          | TN02970               | 03-31-18        |
| Texas          | NELAP         | 6          | T104704412-15-6       | 07-31-18        |
| USDA           | Federal       |            | P330-11-00386         | 11-26-17        |
| Virginia       | NELAP         | 3          | 460185                | 09-14-17        |
| Washington     | State Program | 10         | C784                  | 02-10-18        |
| Wisconsin      | State Program | 5          | 998310390             | 08-31-17 *      |

## Laboratory: TestAmerica Burlington

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

| Authority                         | Program       | EPA Region | Identification Number | Expiration Date |
|-----------------------------------|---------------|------------|-----------------------|-----------------|
| Connecticut                       | State Program | 1          | PH-0751               | 09-30-17 *      |
| DE Haz. Subst. Cleanup Act (HSCA) | State Program | 3          | NA                    | 02-02-18        |
| Florida                           | NELAP         | 4          | E87467                | 06-30-18        |
| L-A-B                             | DoD ELAP      |            | L2336                 | 02-25-20        |
| Maine                             | State Program | 1          | VT00008               | 04-17-19        |
| Minnesota                         | NELAP         | 5          | 050-999-436           | 12-31-17        |
| New Hampshire                     | NELAP         | 1          | 2006                  | 12-18-17        |
| New Jersey                        | NELAP         | 2          | VT972                 | 06-30-18        |
| New York                          | NELAP         | 2          | 10391                 | 04-01-18        |
| Pennsylvania                      | NELAP         | 3          | 68-00489              | 04-30-18        |
| Rhode Island                      | State Program | 1          | LAO00298              | 12-30-17        |
| US Fish & Wildlife                | Federal       |            | LE-058448-0           | 10-31-17        |
| USDA                              | Federal       |            | P330-11-00093         | 12-05-19        |

\* Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica Buffalo

# Accreditation/Certification Summary

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122651-1

## Laboratory: TestAmerica Burlington (Continued)

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

| Authority | Program       | EPA Region | Identification Number | Expiration Date |
|-----------|---------------|------------|-----------------------|-----------------|
| Vermont   | State Program | 1          | VT-4000               | 12-31-17        |
| Virginia  | NELAP         | 3          | 460209                | 12-14-17        |

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# Method Summary

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122651-1

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

**Protocol References:**

EPA = US Environmental Protection Agency  
MA DEP = Massachusetts Department Of Environmental Protection

**Laboratory References:**

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600  
TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990



# Sample Summary

Client: ERM-Northeast  
Project/Site: IDS Wayland

TestAmerica Job ID: 480-122651-1

| Lab Sample ID | Client Sample ID     | Matrix | Collected      | Received       |
|---------------|----------------------|--------|----------------|----------------|
| 480-122651-1  | MW-1011-20170811-01  | Water  | 08/11/17 07:40 | 08/12/17 01:45 |
| 480-122651-2  | MW-1020-20170811-01  | Water  | 08/11/17 07:55 | 08/12/17 01:45 |
| 480-122651-3  | MW-1026D-20170811-01 | Water  | 08/11/17 08:05 | 08/12/17 01:45 |
| 480-122651-4  | MW-1025D-20170811-01 | Water  | 08/11/17 08:30 | 08/12/17 01:45 |
| 480-122651-5  | MW-1025M-20170811-01 | Water  | 08/11/17 08:35 | 08/12/17 01:45 |
| 480-122651-6  | MW-1024D-20170811-01 | Water  | 08/11/17 08:55 | 08/12/17 01:45 |
| 480-122651-7  | MW-1023-20170811-01  | Water  | 08/11/17 09:10 | 08/12/17 01:45 |
| 480-122651-8  | MW-1022-20170811-01  | Water  | 08/11/17 09:25 | 08/12/17 01:45 |
| 480-122651-9  | MW-1034-20170811-01  | Water  | 08/11/17 10:00 | 08/12/17 01:45 |
| 480-122651-10 | MW-1033-20170811-01  | Water  | 08/11/17 10:20 | 08/12/17 01:45 |
| 480-122651-11 | PDB-001-20170811-01  | Water  | 08/11/17 10:40 | 08/12/17 01:45 |



## Login Sample Receipt Checklist

Client: ERM-Northeast

Job Number: 480-122651-1

**Login Number: 122651**

**List Source: TestAmerica Buffalo**

**List Number: 1**

**Creator: Williams, Christopher S**

| 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 (Excluding tests with immediate HTs)..  | 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   | erm     |
| 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    |         |

## Login Sample Receipt Checklist

Client: ERM-Northeast

Job Number: 480-122651-1

**Login Number: 122651**

**List Number: 2**

**Creator: Lavigne, Scott M**

**List Source: TestAmerica Burlington**

**List Creation: 08/12/17 11:53 AM**

| Question   | Answer | Comment                                  |
|--|--------|--|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True   | Lab does not accept radioactive samples. |
| The cooler's custody seal, if present, is intact.                                | True   | Seal present with no number.             |
| Sample custody seals, if present, are intact.                                    | True   |  |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |  |
| Samples were received on ice.  | True   |  |
| Cooler Temperature is acceptable.  | True   |  |
| Cooler Temperature is recorded.  | True   | 4.6°C                                    |
| COC is present.  | True   |  |
| COC is filled out in ink and legible.  | True   |  |
| COC is filled out with all pertinent information.                                | True   |  |
| Is the Field Sampler's name present on COC?                                      | True   |  |
| There are no discrepancies between the containers received and the COC.          | True   |  |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | 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.  | N/A    |  |
| Sample Preservation Verified.  | True   |  |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |  |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | True   |  |
| Multiphasic samples are not present.   | True   |  |
| Samples do not require splitting or compositing.                                 | True   |  |
| Residual Chlorine Checked.   | N/A    |  |



480-122651 COC

Temperature on Receipt \_\_\_\_\_

Drinking Water? Yes  No

## Chain of Custody Record

TAL-4124 (1/007)

Client: **ERM**  
 Address: **One Beacon St Smt Fr**  
 City: **Boston** State: **MA** Zip Code: **02108**  
 Project Name and Location (State): **RPS Wayland - Wayland, MA**  
 Contract/Purchase Order/Quote No. \_\_\_\_\_

Project Manager: **LARRY MOUTERA**  
 Telephone Number (Area Code)/Fax Number: **617 696 7900**  
 Site Contact: **C. Owen** Lab Contact: **B. Mason**  
 Carrier/Waybill Number: \_\_\_\_\_

Date: **8/11/17** Lab Number: \_\_\_\_\_ Page: **280086** of \_\_\_\_\_

| Sample I.D. No. and Description<br>(Containers for each sample may be combined on one line) | Date    | Time | Matrix  |     |      | Containers & Preservatives |       |      |     |      | Analysis (Attach list if more space is needed) | Special Instructions/<br>Conditions of Receipt |              |
|---|---------|------|---------|-----|------|----------------------------|-------|------|-----|------|--|--|--------------|
|   |         |      | Aqueous | Sed | Soil | Unpres.                    | H2SO4 | HNO3 | HCl | NaOH |  |  | ZnAc/NaOH    |
| MW-1011-20170811-01   | 8/11/17 | 0940 | X       | X   | X    | X                          | X     | X    | X   | X    | X  | 201-14-01040                                   | Contact      |
| MW-1020-20170811-01   |         | 0955 | X       | X   | X    | X                          | X     | X    | X   | X    | X  | 5260-102                                       | Clementine   |
| MW-1026D-20170811-01  |         | 0805 | X       | X   | X    | X                          | X     | X    | X   | X    | X  |  | Duben @      |
| MW-1025D-20170811-01  |         | 0830 | X       | X   | X    | X                          | X     | X    | X   | X    | X  |  | 774-722 2902 |
| MW-1025M-20170811-01  |         | 0835 | X       | X   | X    | X                          | X     | X    | X   | X    | X  |  | with any     |
| MW-1024D-20170811-01  |         | 0855 | X       | X   | X    | X                          | X     | X    | X   | X    | X  |  | questions.   |
| MW-1023-20170811-01   |         | 0910 | X       | X   | X    | X                          | X     | X    | X   | X    | X  |  | Site is MCP. |
| MW-1022-20170811-01   |         | 0925 | X       | X   | X    | X                          | X     | X    | X   | X    | X  |  |              |
| MW-1034-20170811-01   |         | 1000 | X       | X   | X    | X                          | X     | X    | X   | X    | X  |  |              |
| MW-1033-20170811-01   |         | 1020 | X       | X   | X    | X                          | X     | X    | X   | X    | X  |  |              |
| PDB-001-20170811-01   |         | 1040 | X       | X   | X    | X                          | X     | X    | X   | X    | X  |  |              |

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

Turn Around Time Required  
 24 Hours  48 Hours  7 Days  14 Days  21 Days  Other \_\_\_\_\_

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

QC Requirements (Specify)

1. Relinquished By: *[Signature]* Date: **8/11/17** Time: **12:45**  
 2. Relinquished By: *[Signature]* Date: **8/11/17** Time: **15:00**  
 3. Relinquished By: *[Signature]* Date: **8/11/17** Time: **15:00**

1. Received By: **Test America Lode Box** Date: **8/11/17** Time: **12:45**  
 2. Received By: *[Signature]* Date: **8-12-17** Time: **0145**  
 3. Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments: **2.8 #1**





# TestAmerica

360325-Boston  
Temperature on Receipt

THE LEADER IN ENVIRONMENTAL TESTING

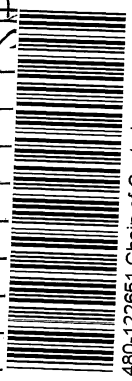
Drinking Water? Yes  No

## Chain of Custody Record

TAL-4124 (1007)

Client: **ERM** Chain of Custody Number: **280086**  
 Address: **One Beacon St Ste 417 Boston MA 02108** Date: **8/11/17**  
 City: **Boston** Lab Number: **1** of **1**  
 Project Name and Location (State): **IPS Wayland - Wayland, MA**  
 Contract/Phase Order/Quote No. **02108**

| Sample I.D. No. and Description<br>(Containers for each sample may be combined on one line) | Date    | Time | Matrix  |     |      |         |       | Containers & Preservatives |     |      |           |  | Analysis (Attach list if more space is needed) | Special Instructions/<br>Conditions of Receipt |              |
|---|---------|------|---------|-----|------|---------|-------|----------------------------|-----|------|-----------|--|--|--|--------------|
|   |         |      | Aqueous | Sed | Soil | Unpres. | H2SO4 | HNO3                       | HCl | NAOH | ZnAc/NaOH |  |  |  |              |
| MW-1011-20170811-01   | 8/11/17 | 0740 | X       |     |      |         |       |                            |     |      |           |  |  |  | Contact      |
| MW-1020-20170811-01   |         | 0755 | X       |     |      |         |       |                            |     |      |           |  |  |  | Clementine   |
| MW-10260-20170811-01  |         | 0805 | X       |     |      |         |       |                            |     |      |           |  |  |  | Duben C      |
| MW-1025D-20170811-01  |         | 0830 | X       |     |      |         |       |                            |     |      |           |  |  |  | 774-722-2902 |
| MW-1025M-20170811-01  |         | 0855 | X       |     |      |         |       |                            |     |      |           |  |  |  | with any     |
| MW-1024D-20170811-01  |         | 0910 | X       |     |      |         |       |                            |     |      |           |  |  |  | questions.   |
| MW-1022-20170811-01   |         | 0925 | X       |     |      |         |       |                            |     |      |           |  |  |  | Site is MCP. |
| MW-1034-20170811-01   |         | 1000 | X       |     |      |         |       |                            |     |      |           |  |  |  |              |
| MW-1033-20170811-01   |         | 1020 | X       |     |      |         |       |                            |     |      |           |  |  |  |              |
| PDB-001-20170811-01   |         | 1040 | X       |     |      |         |       |                            |     |      |           |  |  |  |              |



480-122651 Chain of Custody

Possible Hazard Identification:  Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Return To Client  Disposal By Lab  Archive For  Months  (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required:  24 Hours  48 Hours  7 Days  14 Days  21 Days  Other

| Relinquished By    | Date    | Time  |
|--------------------|---------|-------|
| <i>[Signature]</i> | 8/11/17 | 12:45 |
| Relinquished By    | Date    | Time  |
| <i>[Signature]</i> | 8/11/17 | 0940  |
| Relinquished By    | Date    | Time  |
| <i>[Signature]</i> | 8/12/17 | 0940  |

Comments: **Test America Lake Box**



ORIGIN ID:BXCA (781) 466-6900  
PAUL HOBART  
TESTAMERICA  
240 BEAR HILL ROAD  
SUITE 104  
WALTHAM, MA 02451  
UNITED STATES US

SHIP DATE: 11AUG17  
ACTWGT: 25.70 LB  
CAD: 590687/CAFE3011

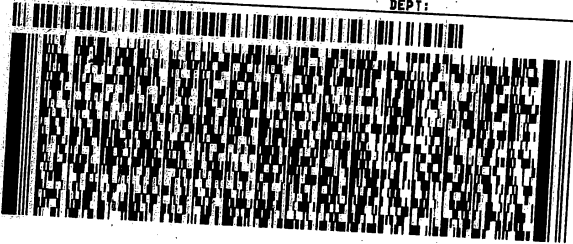
BILL RECIPIENT

TO **SAMPLE RECEIVING**  
**TESTAMERICA BURLINGTON**  
**30 COMMUNITY DRIVE**  
**SUITE 11**  
**SOUTH BURLINGTON VT 05403**

(802) 680-1990

REF:

DEPT:



**FedEx**  
Express



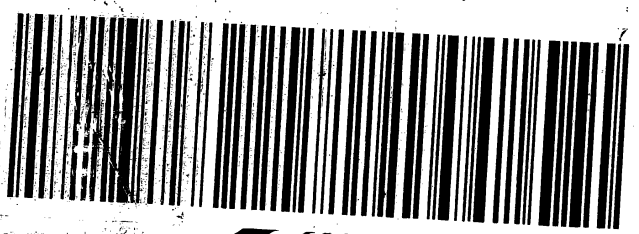
JT61216101001 W

TRK# 4258 8392 0293  
0201

**SATURDAY 12:00P**  
**PRIORITY OVERNIGHT**

**XO BTVA**

**05403**  
VT-US **BTV**



Part # 156145V-434 RITZ 02/17 \$21

540C1/577E/727F

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