Environmental Resources Management

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http://www.erm.com

18 November 2014
Reference: 0237233

Mr. Brian Monahan
Conservation Commission
Wayland Town Hall
41 Cochituate Road
Wayland, MA 01778

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

Dear Mr. Monahan:

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

ERM collected three groundwater samples from wells on the Town of Wayland Conservation Commission property on 4 September 2014. Innovative Engineering Solutions, Inc. collected two samples from wells on the Town of Wayland Conservation Commission Property on 21 September 2014. Samples were submitted to TestAmerica Laboratories, Inc. of Westfield, Massachusetts and/or Spectrum Analytical, Inc. of North Kingstown, RI. Analytical results are attached to this letter. These analytical data from the groundwater monitoring wells will be provided to the Massachusetts Department of Environmental Protection in the next MCP submittal.

Raytheon has implemented the Public Involvement Process in accordance with 310 CMR 40.1405. Documents pertaining to the Site can be found at the Board of Health Public Involvement Plan files, or at 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,

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

Lyndsey Colburn, P.G.
Project Manager

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

cc: Jonathan Hone, Raytheon Company
Ben Gould, CMG Environmental
PIP Repositories

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

3 - 13302

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

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

1. Street Address: 430 Boston Post Road

City/Town: Wayland Zip Code: 01778

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

1. Name: Town of Wayland Conservation Commission

2. Street Address: 41 Cochituate Road

City/Town: Wayland Zip Code: 01778

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

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

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

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

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

1. Street Address: 0 Old Sudbury Road

City/Town: Wayland Zip Code: 01778

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

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

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

☐ residential ☐ commercial ☐ industrial ☐ school/playground ☑ Other undeveloped (specify)

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

Collection of groundwater samples from existing monitoring wells.

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

Contact Name: Louis J. Burkhardt

Street Address: 50 Apple Hill Drive

City/Town: Tewksbury Zip Code: 01876

Telephone: (978) 858-1885 Email: louis_j_burkhardt@raytheon.com

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:
Release Tracking Number

3 - 13302

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: 480-67875-1
Client Project/Site: IDS Wayland

For:
Innovative Engineering Solutions, Inc
25 Spring Street
Walpole, Massachusetts 02081

Attn: Vicki Pariyar

Authorized for release by:
10/6/2014 3:47:43 PM

Becky Mason, Project Manager II
(413)572-4000
becky.mason@testamericainc.com

Two samples (DEP-19M and DEP-21) were collected from the Town of Wayland Conservation Commission Property. All other samples were grayed out for ease of review.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
*	RPD of the LCS and LCSD exceeds the control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
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.
¤	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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
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
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

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

TestAmerica Job ID: 480-67875-1

Job ID: 480-67875-1

Laboratory: TestAmerica Buffalo

Narrative

Receipt
The samples were received on 9/24/2014 1:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 3.2º C and 4.0º C.

The following sample was received with two vials ,out of three, having headspace:MW-264M-20140921 (480-67875-5), (vials B&C), the following samples were received with a single vial, out of three, having headspace: MW-266Mb-20140920 (480-67875-10), (vial A), MW-268D-20140920 (480-67875-15) (vial C), REW-8-20140922 (480-67875-29) (vial A) and DUP1-20140920 (480-67875-34), (vial A).

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

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 194457 recovered outside control limits for the following analytes: 1,4-Dioxane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260C: Massachusetts response factor requirements in batch 194717 were not met for the following analytes: 1,4-dioxane and tetrahydrofuran.

Method 8260C: Massachusetts response factor requirements in batch 194871 were not met for the following analytes: 1,4-dioxane and tetrahydrofuran.

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 194754 recovered outside control limits for the following analytes: 1,4-Dioxane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260C: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 195033 recovered outside control limits for the following analytes: 1,4-Dioxane.

Method 8260C: Massachusetts response factor requirements in batch 195081 were not met for the following analytes: 1,4-dioxane, acetone, and tetrahydrofuran.

Method 8260C: Massachusetts response factor requirements in batch 195227 were not met for the following analytes: 1,4-dioxane, acetone, and tetrahydrofuran.

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

GC/MS Semi VOA
Method 522 MOD: Surrogate recovery for the following sample was outside control limits: (480-67875-7), MW-265M-20140923 (480-67875-7). The sample was re-analyzed at a dilution for matrix interference, but still had matrix interference and surrogate recovery outside control limits. Because evidence of matrix interference is present, re-extraction was not performed. The original, undiluted, analysis is reported.

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

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

VOA 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 #: **480-67875-1**

Project Location: **Wayland** RTN:

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

480-67875-1[1-37

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

CAM Protocols (check all that apply below):

8260 VOC CAM II A ☒	7470/7471 Hg CAM III B ☐	Mass DEP VPH CAM IV A ☐	8081 Pesticides CAM V B ☐	7196 Hex Cr CAM VI B ☐	Mass DEP APH CAM IX A ☐
8270 SVOC CAM II B ☐	7010 Metals CAM III C ☐	Mass DEP EPH CAM IV B ☐	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A ☐	6020 Metals CAM III D ☐	8082 PCB CAM V A ☐	9012 / 9014/ 4500CN Total Cyanide/PAC CAM VI A ☐	6860 Perchlorate CAM VIII B ☐	

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

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

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

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

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

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

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

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

Signature: Becky Mason Position: Project Manager

Printed Name: Becky Mason Date: 10/6/14 15:44

This form has been electronically signed and approved

Detection Summary

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

TestAmerica Job ID: 480-67875-1

Client Sample ID: DEP-19M-20140921 — Lab Sample ID: 480-67875-1

No Detections.

Client Sample ID: DEP-21-20140921 — Lab Sample ID: 480-67875-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.8		1.0		ug/L	1		8260C	Total/NA
Trichloroethene	1.4		1.0		ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

This Detection Summary does not include radiochemical test results.

This Detection Summary does not include radiochemical test results.

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

TestAmerica Job ID: 480-67875-1

This Detection Summary does not include radiochemical test results.

This Detection Summary does not include radiochemical test results.

This Detection Summary does not include radiochemical test results.

This Detection Summary does not include radiochemical test results.

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

TestAmerica Job ID: 480-67875-1

Client Sample ID: DEP-19M-20140921
Date Collected: 09/21/14 09:50
Date Received: 09/24/14 01:00

Lab Sample ID: 480-67875-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			10/01/14 21:00	1
1,1,1-Trichloroethane	ND		1.0		ug/L			10/01/14 21:00	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			10/01/14 21:00	1
1,1,2-Trichloroethane	ND		1.0		ug/L			10/01/14 21:00	1
1,1-Dichloroethane	ND		1.0		ug/L			10/01/14 21:00	1
1,1-Dichloroethene	ND		1.0		ug/L			10/01/14 21:00	1
1,1-Dichloropropene	ND		1.0		ug/L			10/01/14 21:00	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			10/01/14 21:00	1
1,2,3-Trichloropropane	ND		1.0		ug/L			10/01/14 21:00	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			10/01/14 21:00	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			10/01/14 21:00	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			10/01/14 21:00	1
1,2-Dichlorobenzene	ND		1.0		ug/L			10/01/14 21:00	1
1,2-Dichloroethane	ND		1.0		ug/L			10/01/14 21:00	1
1,2-Dichloropropane	ND		1.0		ug/L			10/01/14 21:00	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			10/01/14 21:00	1
1,3-Dichlorobenzene	ND		1.0		ug/L			10/01/14 21:00	1
1,3-Dichloropropane	ND		1.0		ug/L			10/01/14 21:00	1
1,4-Dichlorobenzene	ND		1.0		ug/L			10/01/14 21:00	1
1,4-Dioxane	ND	*	200		ug/L			10/01/14 21:00	1
2,2-Dichloropropane	ND		1.0		ug/L			10/01/14 21:00	1
2-Butanone (MEK)	ND		50		ug/L			10/01/14 21:00	1
2-Chlorotoluene	ND		1.0		ug/L			10/01/14 21:00	1
2-Hexanone	ND		10		ug/L			10/01/14 21:00	1
4-Chlorotoluene	ND		1.0		ug/L			10/01/14 21:00	1
4-Isopropyltoluene	ND		1.0		ug/L			10/01/14 21:00	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			10/01/14 21:00	1
Acetone	ND		25		ug/L			10/01/14 21:00	1
Benzene	ND		1.0		ug/L			10/01/14 21:00	1
Bromobenzene	ND		1.0		ug/L			10/01/14 21:00	1
Bromoform	ND		1.0		ug/L			10/01/14 21:00	1
Bromomethane	ND		1.0		ug/L			10/01/14 21:00	1
Carbon disulfide	ND		1.0		ug/L			10/01/14 21:00	1
Carbon tetrachloride	ND		1.0		ug/L			10/01/14 21:00	1
Chlorobenzene	ND		1.0		ug/L			10/01/14 21:00	1
Chlorobromomethane	ND		1.0		ug/L			10/01/14 21:00	1
Chlorodibromomethane	ND		1.0		ug/L			10/01/14 21:00	1
Chloroethane	ND		1.0		ug/L			10/01/14 21:00	1
Chloroform	ND		1.0		ug/L			10/01/14 21:00	1
Chloromethane	ND		1.0		ug/L			10/01/14 21:00	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			10/02/14 18:59	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			10/01/14 21:00	1
Dibromomethane	ND		1.0		ug/L			10/01/14 21:00	1
Dichlorobromomethane	ND		1.0		ug/L			10/01/14 21:00	1
Dichlorodifluoromethane	ND		1.0		ug/L			10/01/14 21:00	1
Ethyl ether	ND		5.0		ug/L			10/01/14 21:00	1
Ethylbenzene	ND		1.0		ug/L			10/01/14 21:00	1
Ethylene Dibromide	ND		1.0		ug/L			10/01/14 21:00	1
Hexachlorobutadiene	ND		2.0		ug/L			10/01/14 21:00	1

Client Sample ID: DEP-19M-20140921 — **Lab Sample ID: 480-67875-1**
Date Collected: 09/21/14 09:50 — **Matrix: Water**
Date Received: 09/24/14 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropyl ether	ND		2.0		ug/L			10/01/14 21:00	1
Isopropylbenzene	ND		1.0		ug/L			10/01/14 21:00	1
Methyl tert-butyl ether	ND		1.0		ug/L			10/01/14 21:00	1
Methylene Chloride	ND		5.0		ug/L			10/01/14 21:00	1
m-Xylene & p-Xylene	ND		2.0		ug/L			10/01/14 21:00	1
Naphthalene	ND		5.0		ug/L			10/01/14 21:00	1
n-Butylbenzene	ND		1.0		ug/L			10/01/14 21:00	1
N-Propylbenzene	ND		1.0		ug/L			10/01/14 21:00	1
o-Xylene	ND		1.0		ug/L			10/01/14 21:00	1
sec-Butylbenzene	ND		1.0		ug/L			10/01/14 21:00	1
Styrene	ND		1.0		ug/L			10/01/14 21:00	1
Tert-amyl methyl ether	ND		1.0		ug/L			10/01/14 21:00	1
Tert-butyl ethyl ether	ND		1.0		ug/L			10/01/14 21:00	1
tert-Butylbenzene	ND		1.0		ug/L			10/01/14 21:00	1
Tetrachloroethene	ND		1.0		ug/L			10/02/14 18:59	1
Tetrahydrofuran	ND		10		ug/L			10/01/14 21:00	1
Toluene	ND		1.0		ug/L			10/01/14 21:00	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			10/01/14 21:00	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			10/01/14 21:00	1
Trichloroethene	ND		1.0		ug/L			10/01/14 21:00	1
Trichlorofluoromethane	ND		1.0		ug/L			10/01/14 21:00	1
Vinyl chloride	ND		1.0		ug/L			10/01/14 21:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*106*		*70 - 130*		*10/01/14 21:00*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*10/02/14 18:59*	*1*
Toluene-d8 (Surr)	*91*		*70 - 130*		*10/01/14 21:00*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*10/02/14 18:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*		*10/01/14 21:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*		*10/02/14 18:59*	*1*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*10/01/14 21:00*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*10/02/14 18:59*	*1*

Client Sample ID: DEP-21-20140921 — **Lab Sample ID: 480-67875-2**
Date Collected: 09/21/14 09:00 — **Matrix: Water**
Date Received: 09/24/14 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			10/01/14 21:28	1
1,1,1-Trichloroethane	ND		1.0		ug/L			10/01/14 21:28	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			10/01/14 21:28	1
1,1,2-Trichloroethane	ND		1.0		ug/L			10/01/14 21:28	1
1,1-Dichloroethane	ND		1.0		ug/L			10/01/14 21:28	1
1,1-Dichloroethene	ND		1.0		ug/L			10/01/14 21:28	1
1,1-Dichloropropene	ND		1.0		ug/L			10/01/14 21:28	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			10/01/14 21:28	1
1,2,3-Trichloropropane	ND		1.0		ug/L			10/01/14 21:28	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			10/01/14 21:28	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			10/01/14 21:28	1

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

TestAmerica Job ID: 480-67875-1

Client Sample ID: DEP-21-20140921
Date Collected: 09/21/14 09:00
Date Received: 09/24/14 01:00

Lab Sample ID: 480-67875-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			10/01/14 21:28	1
1,2-Dichlorobenzene	ND		1.0		ug/L			10/01/14 21:28	1
1,2-Dichloroethane	ND		1.0		ug/L			10/01/14 21:28	1
1,2-Dichloropropane	ND		1.0		ug/L			10/01/14 21:28	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			10/01/14 21:28	1
1,3-Dichlorobenzene	ND		1.0		ug/L			10/01/14 21:28	1
1,3-Dichloropropane	ND		1.0		ug/L			10/01/14 21:28	1
1,4-Dichlorobenzene	ND		1.0		ug/L			10/01/14 21:28	1
1,4-Dioxane	ND	*	200		ug/L			10/01/14 21:28	1
2,2-Dichloropropane	ND		1.0		ug/L			10/01/14 21:28	1
2-Butanone (MEK)	ND		50		ug/L			10/01/14 21:28	1
2-Chlorotoluene	ND		1.0		ug/L			10/01/14 21:28	1
2-Hexanone	ND		10		ug/L			10/01/14 21:28	1
4-Chlorotoluene	ND		1.0		ug/L			10/01/14 21:28	1
4-Isopropyltoluene	ND		1.0		ug/L			10/01/14 21:28	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			10/01/14 21:28	1
Acetone	ND		25		ug/L			10/01/14 21:28	1
Benzene	ND		1.0		ug/L			10/01/14 21:28	1
Bromobenzene	ND		1.0		ug/L			10/01/14 21:28	1
Bromoform	ND		1.0		ug/L			10/01/14 21:28	1
Bromomethane	ND		1.0		ug/L			10/01/14 21:28	1
Carbon disulfide	ND		1.0		ug/L			10/01/14 21:28	1
Carbon tetrachloride	ND		1.0		ug/L			10/01/14 21:28	1
Chlorobenzene	ND		1.0		ug/L			10/01/14 21:28	1
Chlorobromomethane	ND		1.0		ug/L			10/01/14 21:28	1
Chlorodibromomethane	ND		1.0		ug/L			10/01/14 21:28	1
Chloroethane	ND		1.0		ug/L			10/01/14 21:28	1
Chloroform	ND		1.0		ug/L			10/01/14 21:28	1
Chloromethane	ND		1.0		ug/L			10/01/14 21:28	1
cis-1,2-Dichloroethene	**2.8**		1.0		ug/L			10/01/14 21:28	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			10/01/14 21:28	1
Dibromomethane	ND		1.0		ug/L			10/01/14 21:28	1
Dichlorobromomethane	ND		1.0		ug/L			10/01/14 21:28	1
Dichlorodifluoromethane	ND		1.0		ug/L			10/01/14 21:28	1
Ethyl ether	ND		5.0		ug/L			10/01/14 21:28	1
Ethylbenzene	ND		1.0		ug/L			10/01/14 21:28	1
Ethylene Dibromide	ND		1.0		ug/L			10/01/14 21:28	1
Hexachlorobutadiene	ND		2.0		ug/L			10/01/14 21:28	1
Isopropyl ether	ND		2.0		ug/L			10/01/14 21:28	1
Isopropylbenzene	ND		1.0		ug/L			10/01/14 21:28	1
Methyl tert-butyl ether	ND		1.0		ug/L			10/01/14 21:28	1
Methylene Chloride	ND		5.0		ug/L			10/01/14 21:28	1
m-Xylene & p-Xylene	ND		2.0		ug/L			10/01/14 21:28	1
Naphthalene	ND		5.0		ug/L			10/01/14 21:28	1
n-Butylbenzene	ND		1.0		ug/L			10/01/14 21:28	1
N-Propylbenzene	ND		1.0		ug/L			10/01/14 21:28	1
o-Xylene	ND		1.0		ug/L			10/01/14 21:28	1
sec-Butylbenzene	ND		1.0		ug/L			10/01/14 21:28	1
Styrene	ND		1.0		ug/L			10/01/14 21:28	1

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

TestAmerica Job ID: 480-67875-1

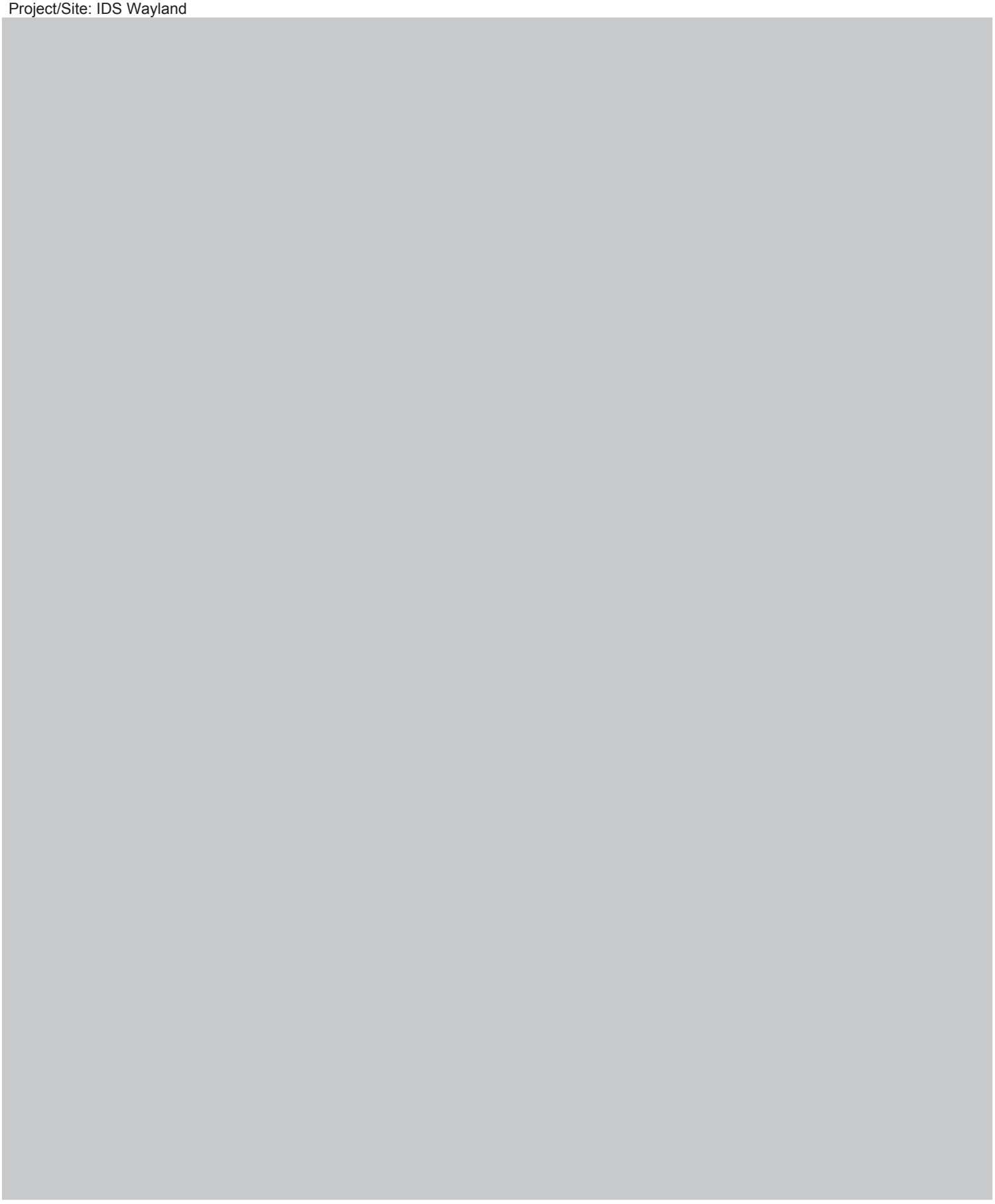
Client Sample ID: DEP-21-20140921
Date Collected: 09/21/14 09:00
Date Received: 09/24/14 01:00

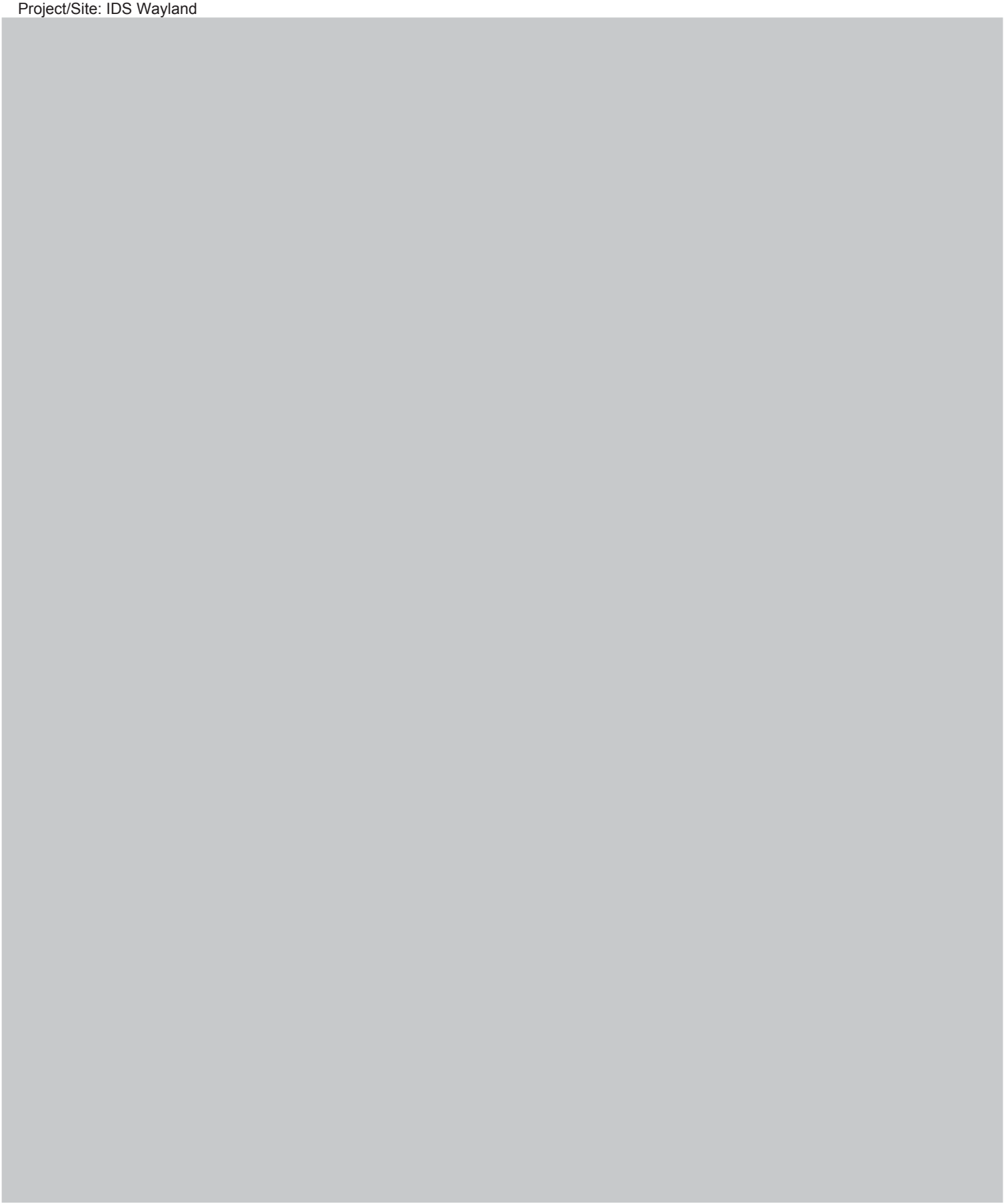
Lab Sample ID: 480-67875-2
Matrix: Water

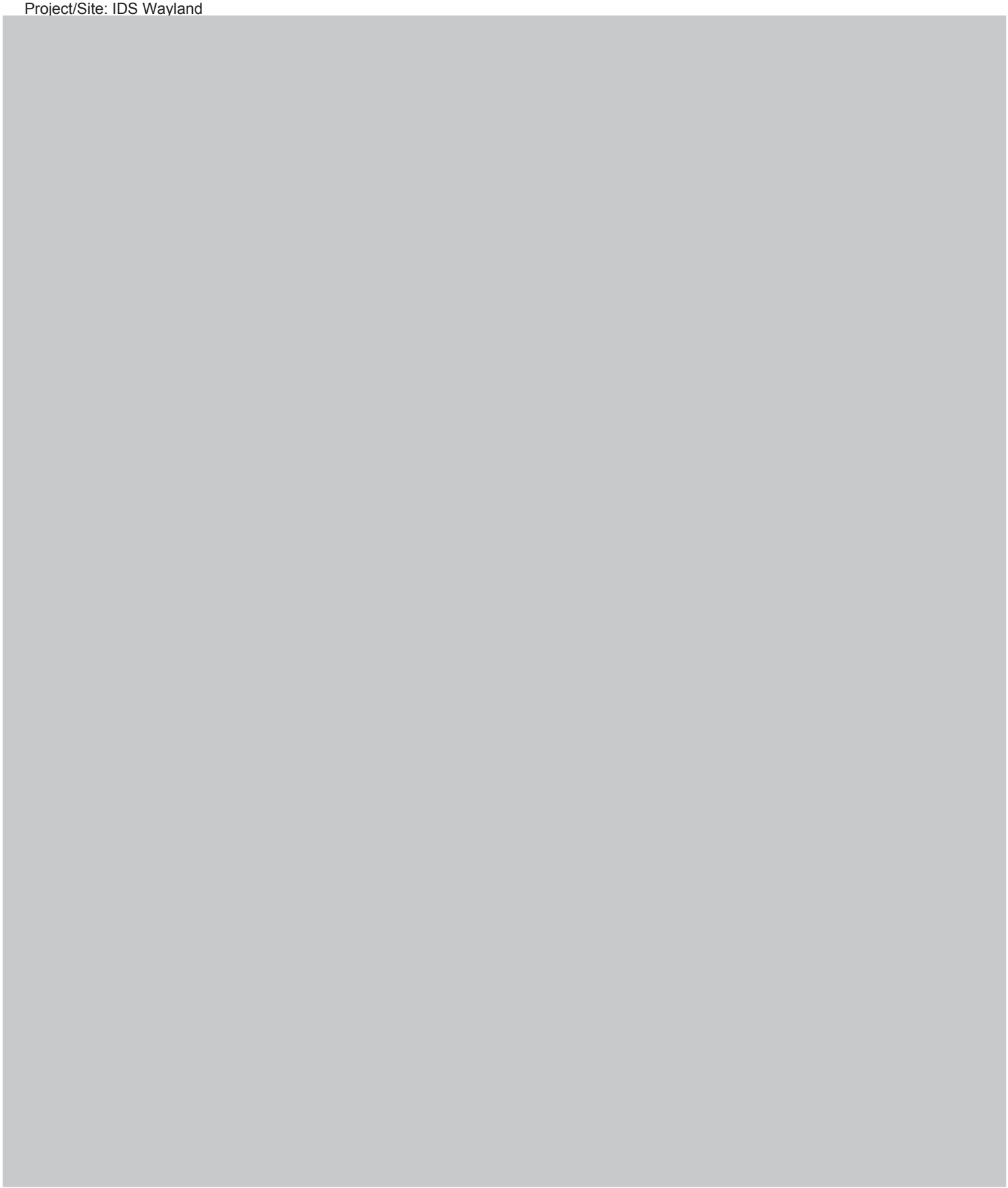
Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

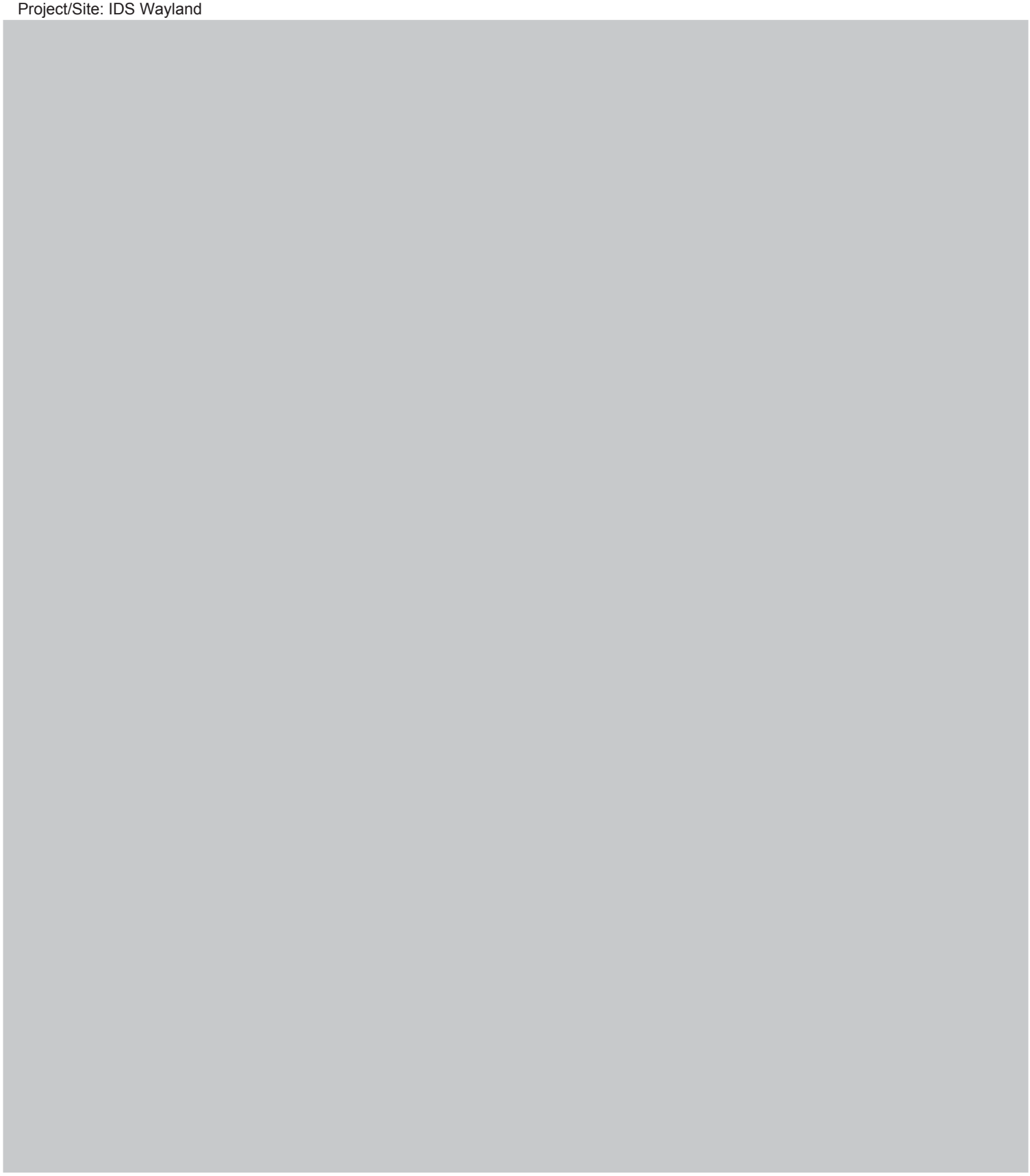
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-amyl methyl ether	ND		1.0		ug/L			10/01/14 21:28	1
Tert-butyl ethyl ether	ND		1.0		ug/L			10/01/14 21:28	1
tert-Butylbenzene	ND		1.0		ug/L			10/01/14 21:28	1
Tetrachloroethene	ND		1.0		ug/L			10/01/14 21:28	1
Tetrahydrofuran	ND		10		ug/L			10/01/14 21:28	1
Toluene	ND		1.0		ug/L			10/01/14 21:28	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			10/01/14 21:28	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			10/01/14 21:28	1
Trichloroethene	**1.4**		1.0		ug/L			10/01/14 21:28	1
Trichlorofluoromethane	ND		1.0		ug/L			10/01/14 21:28	1
Vinyl chloride	ND		1.0		ug/L			10/01/14 21:28	1

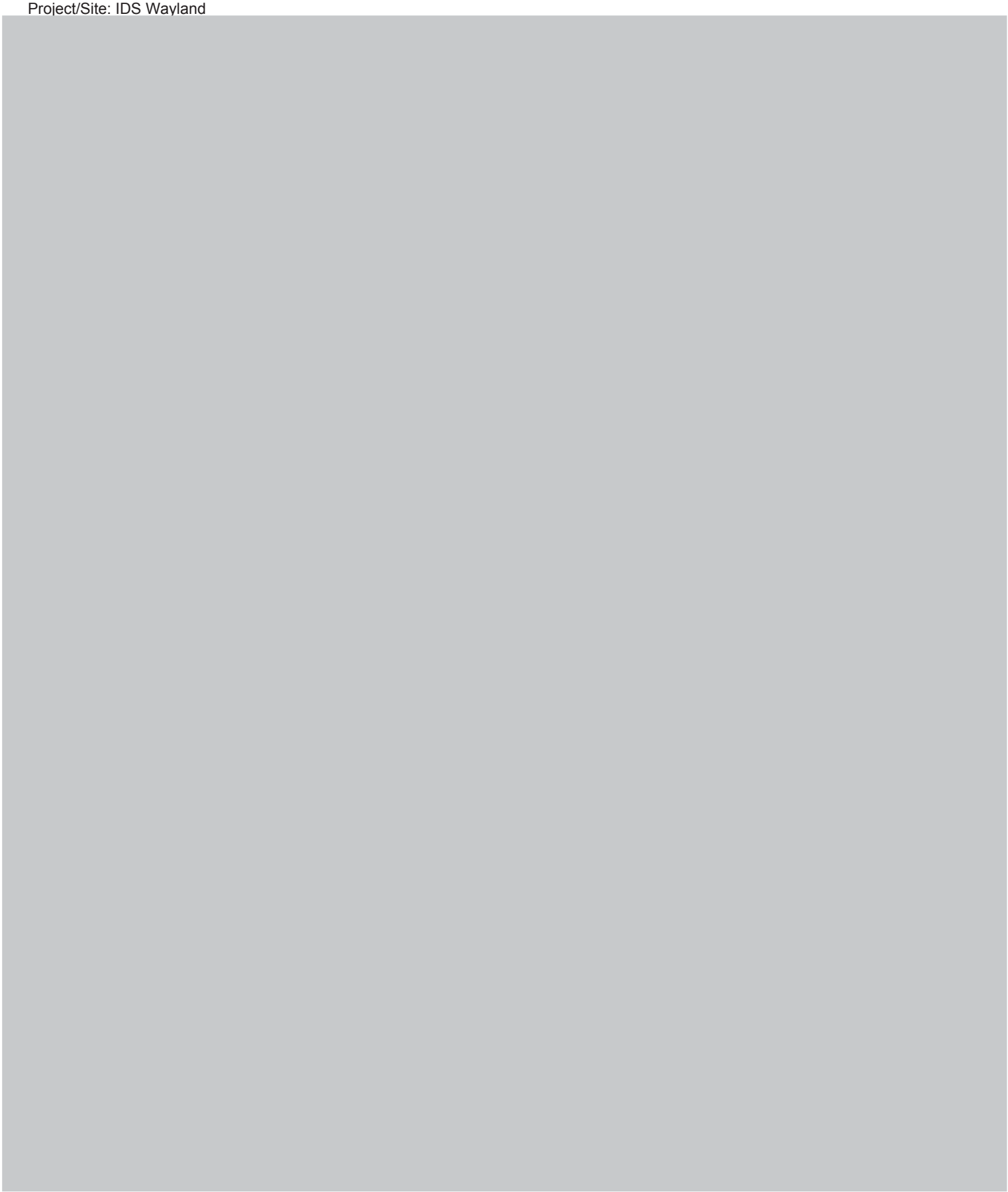
Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*95*		*70 - 130*		*10/01/14 21:28*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*10/01/14 21:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*		*10/01/14 21:28*	*1*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*10/01/14 21:28*	*1*

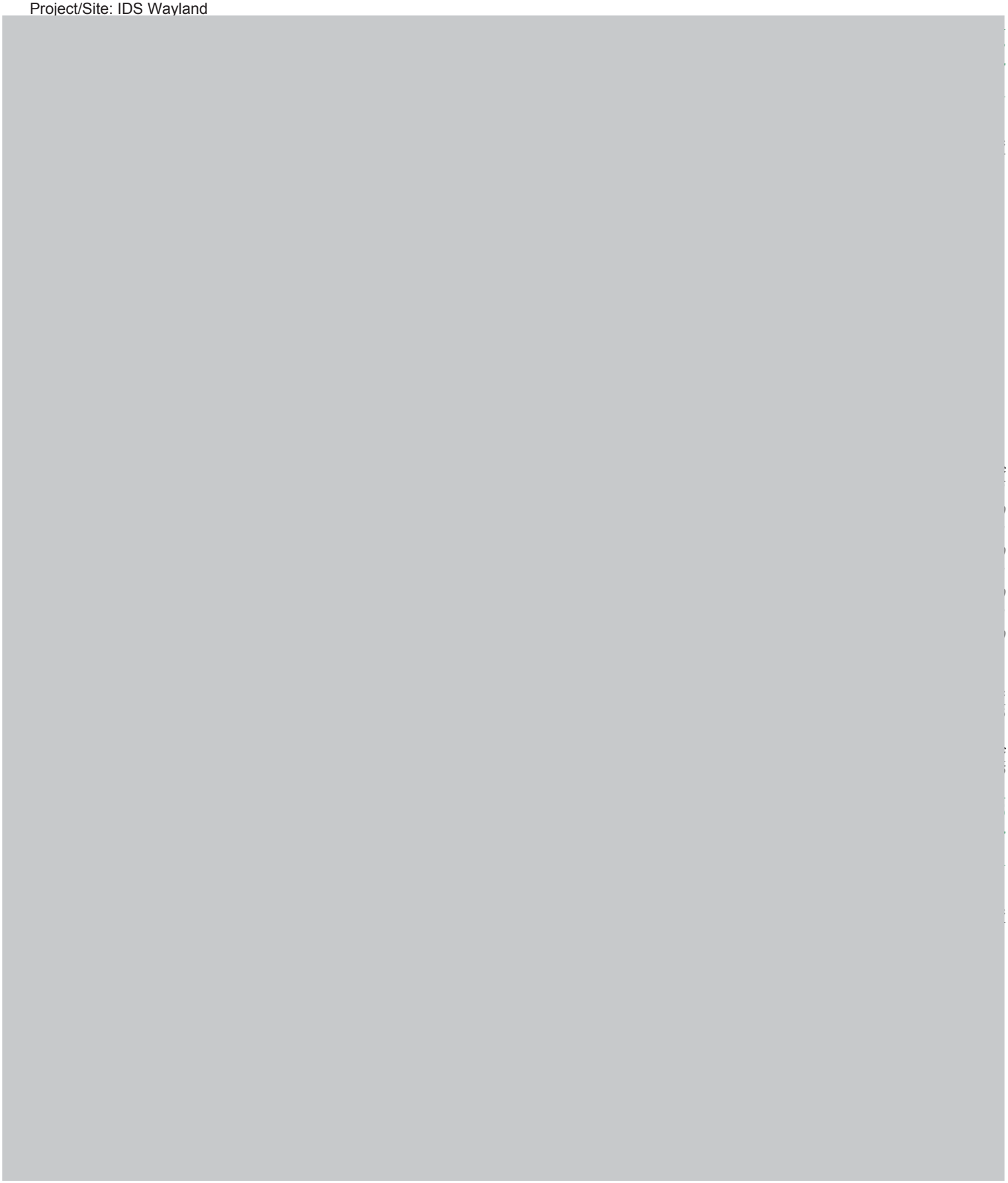


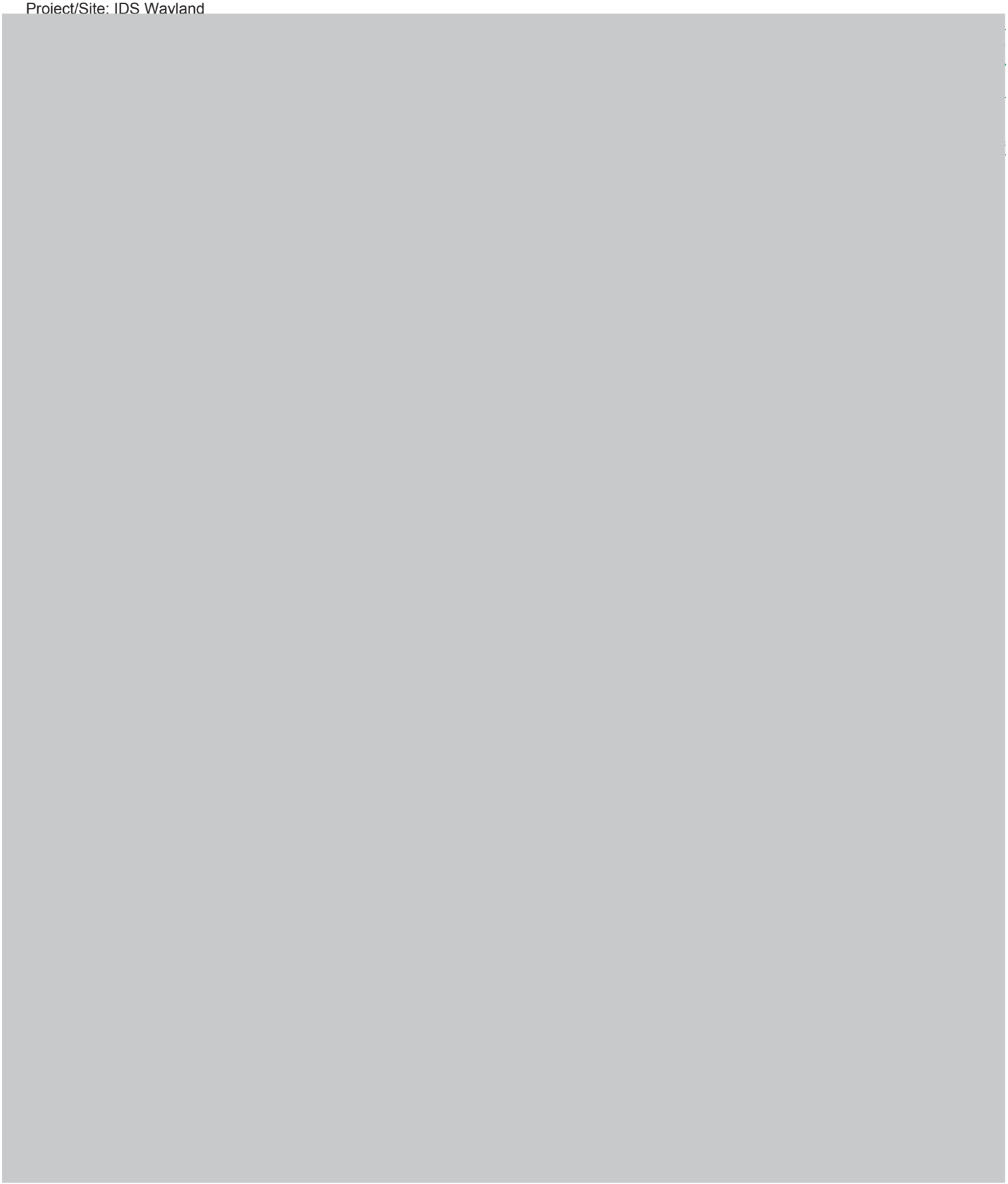


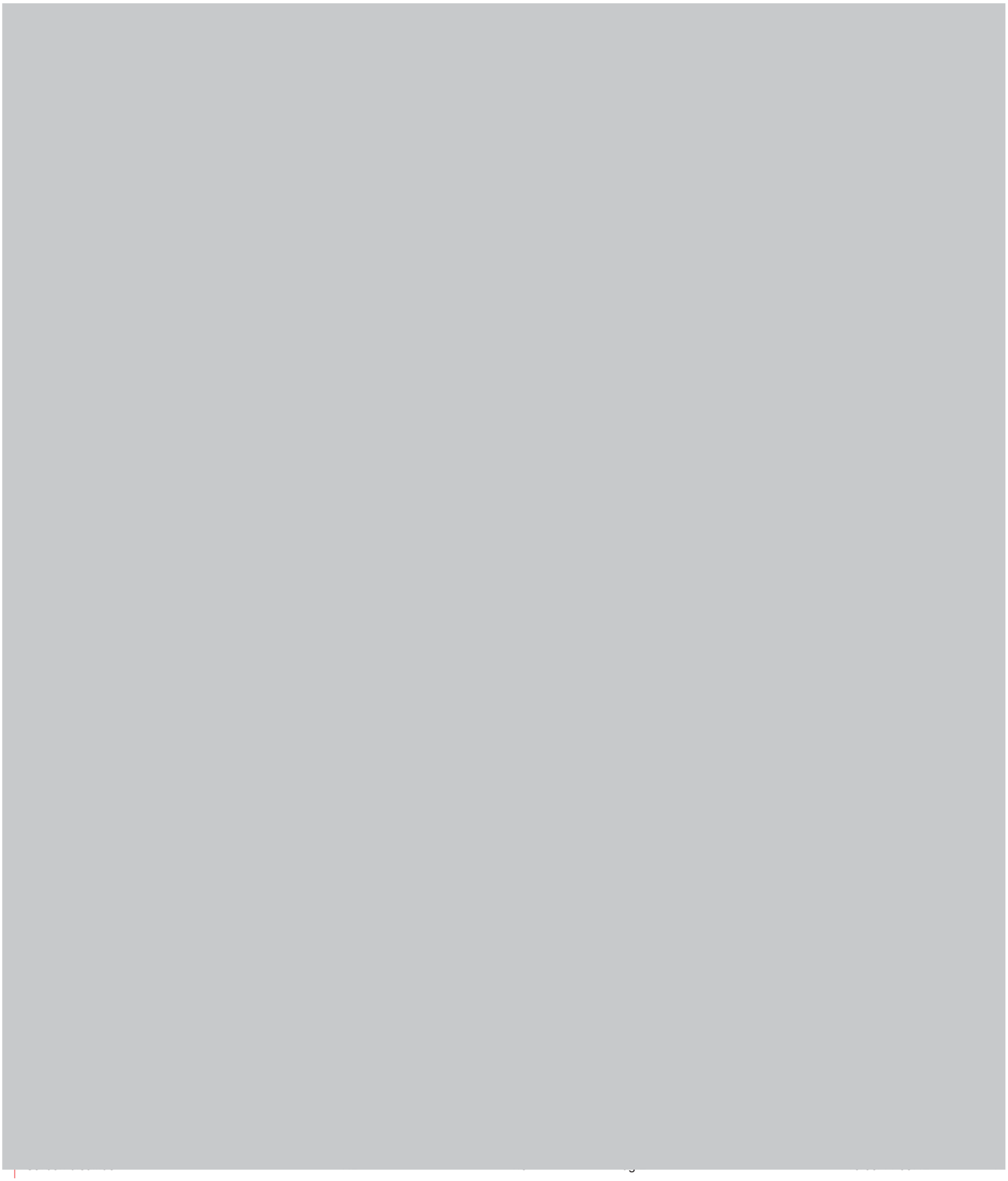


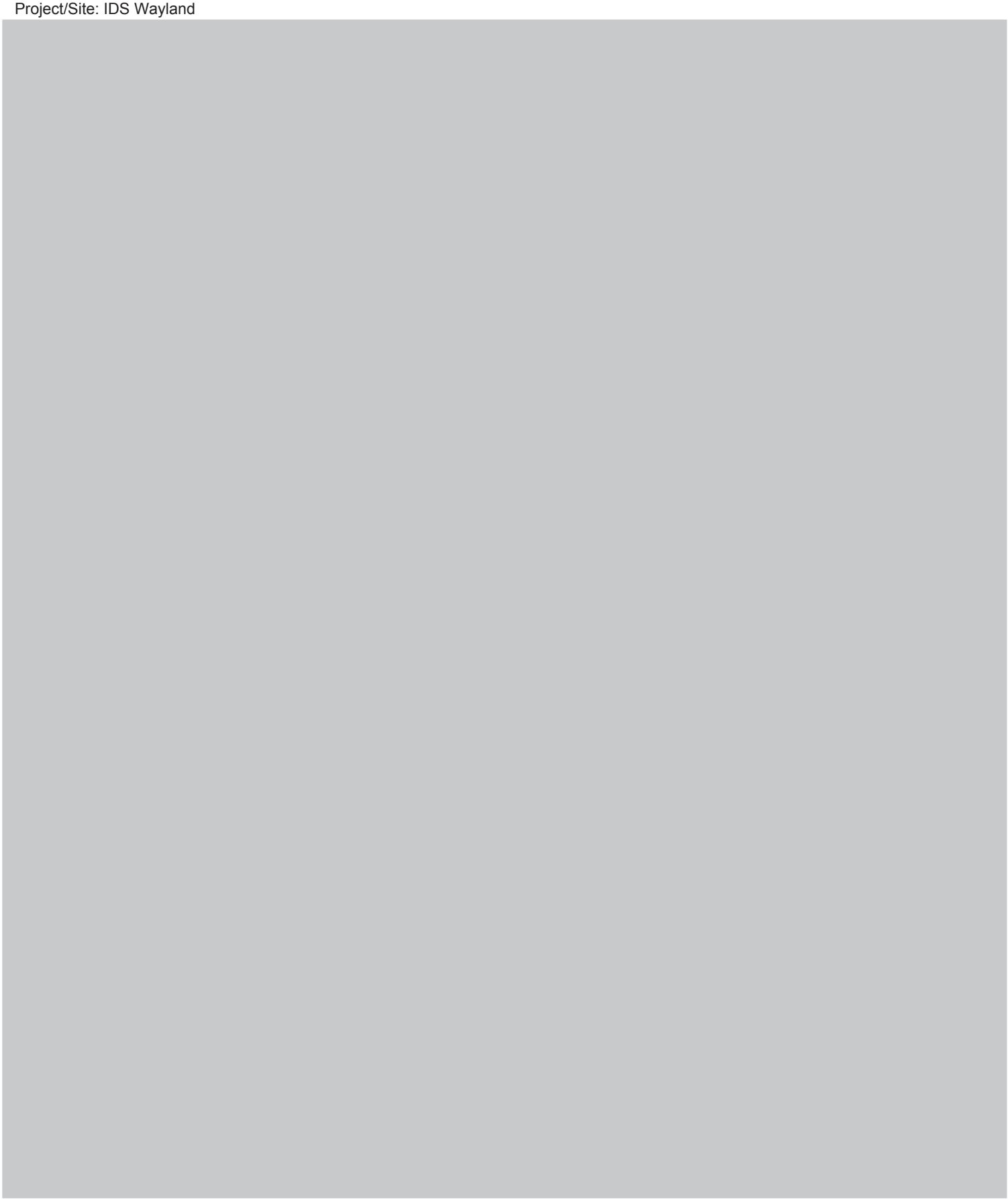


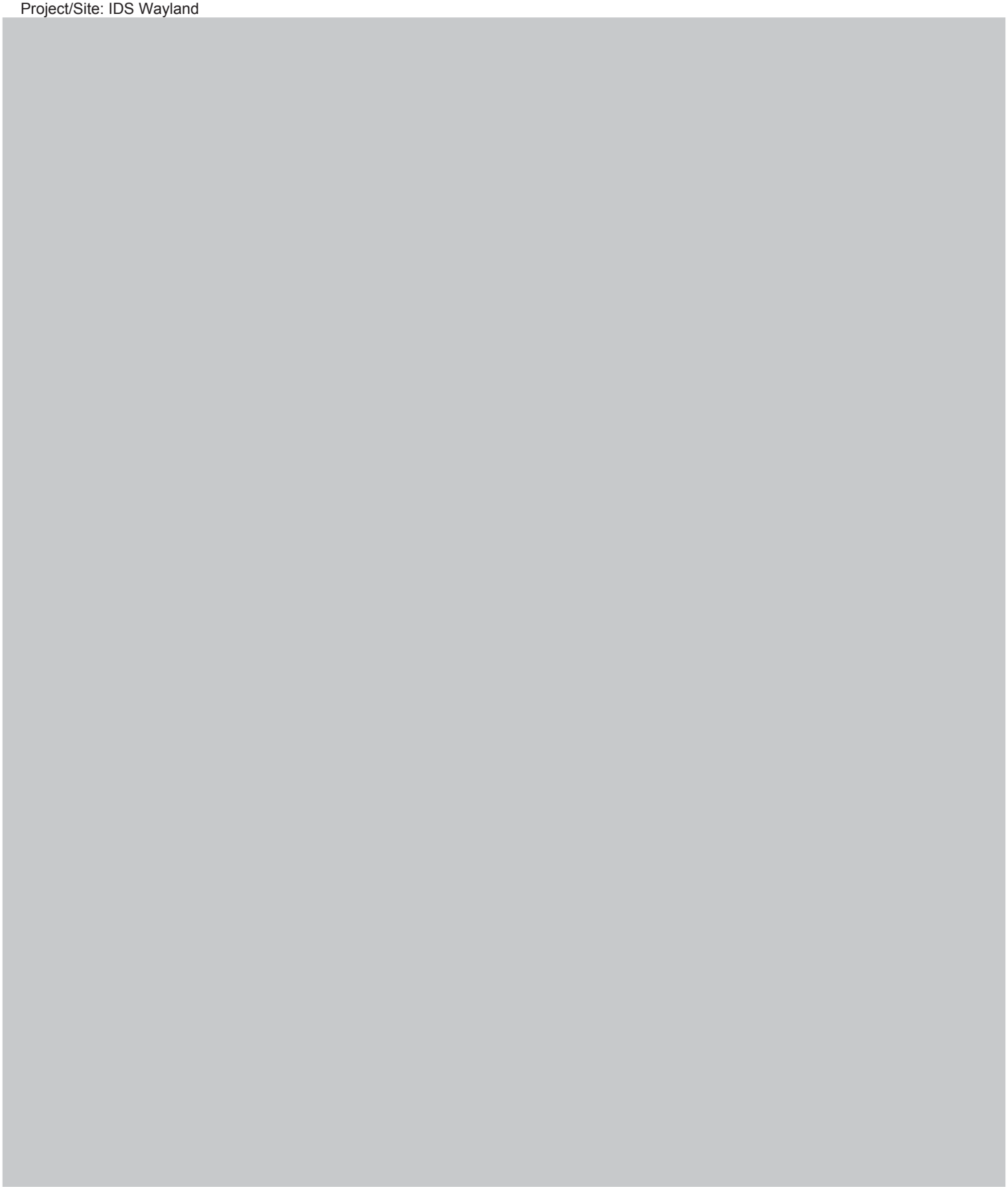


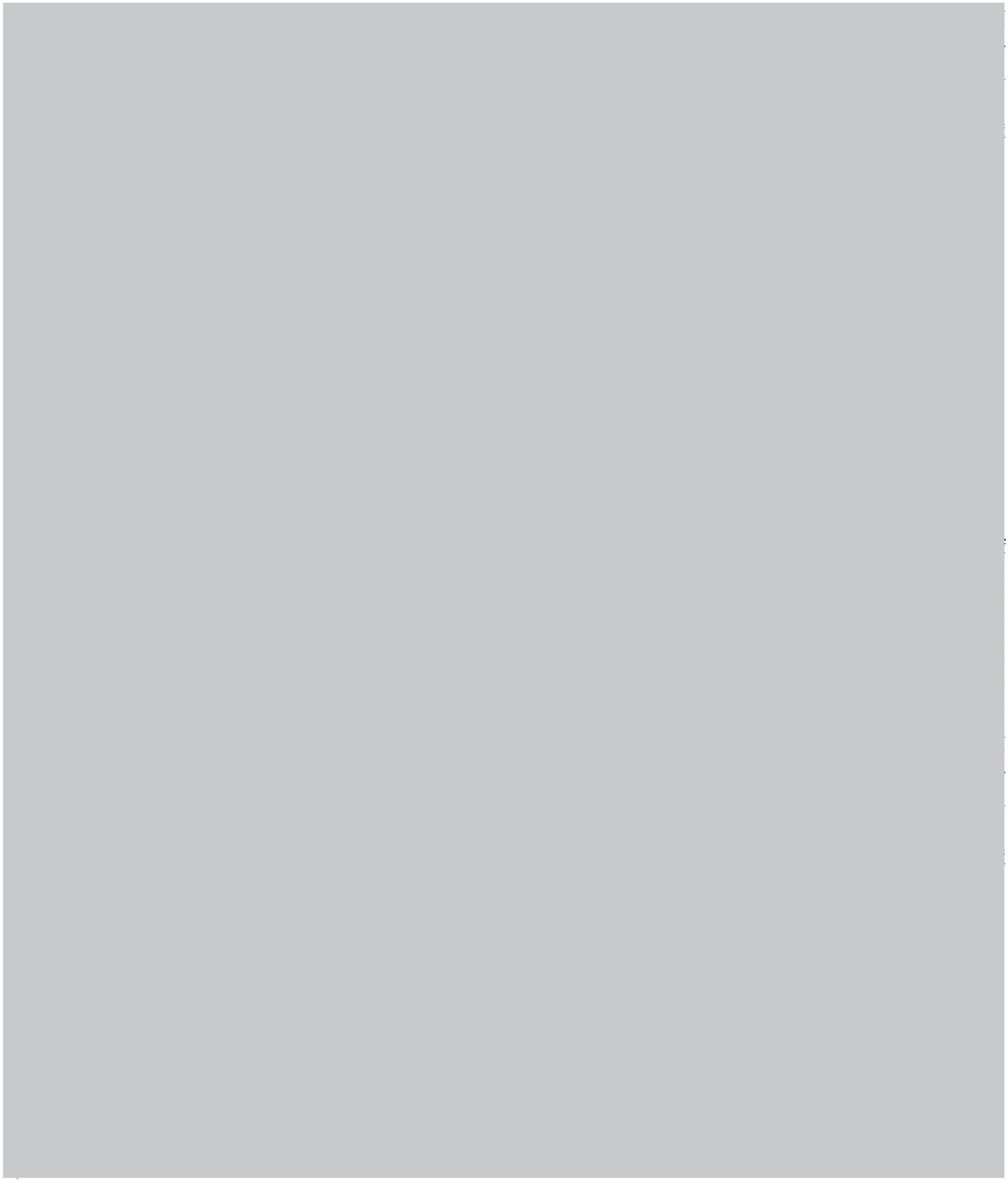


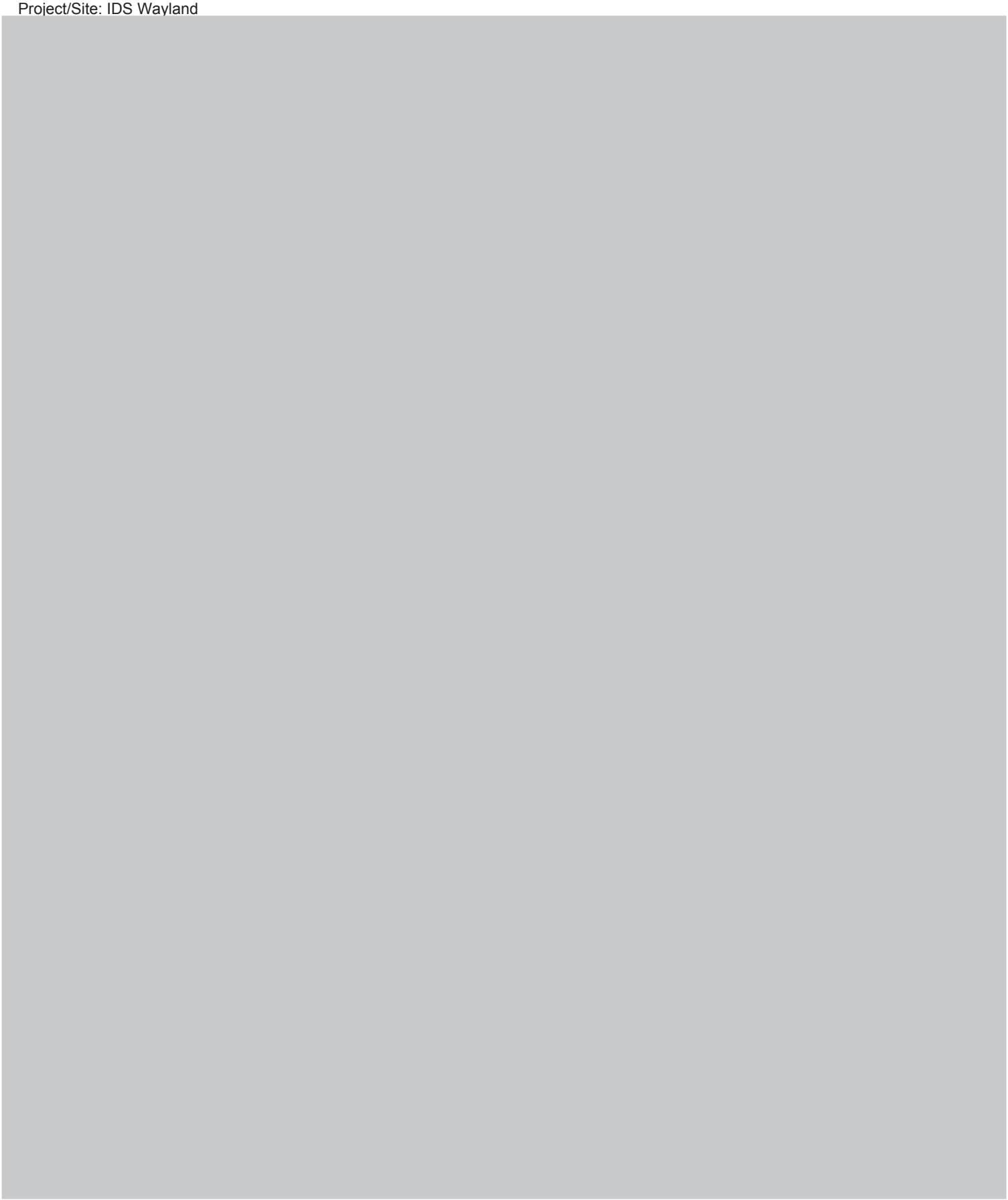


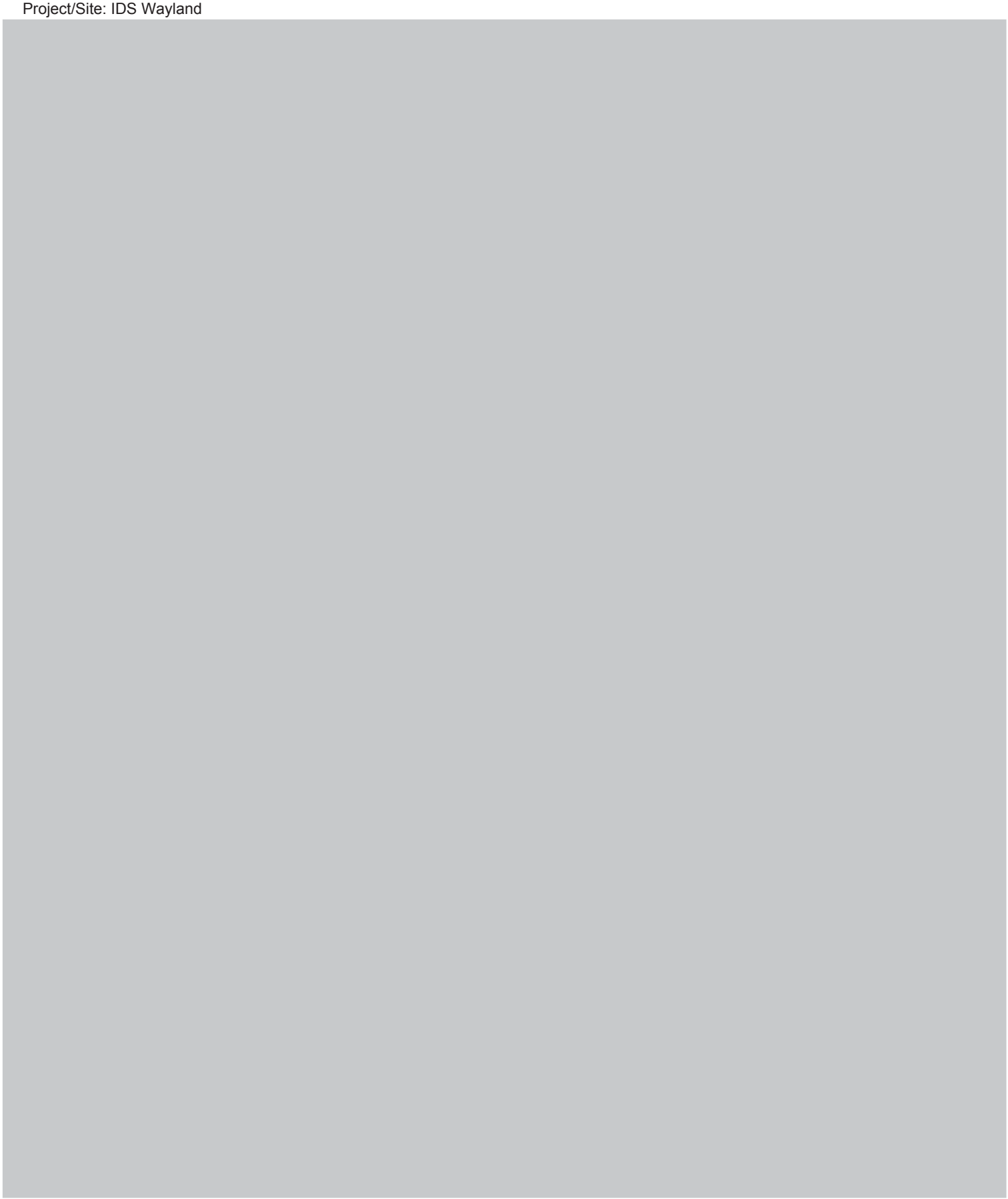


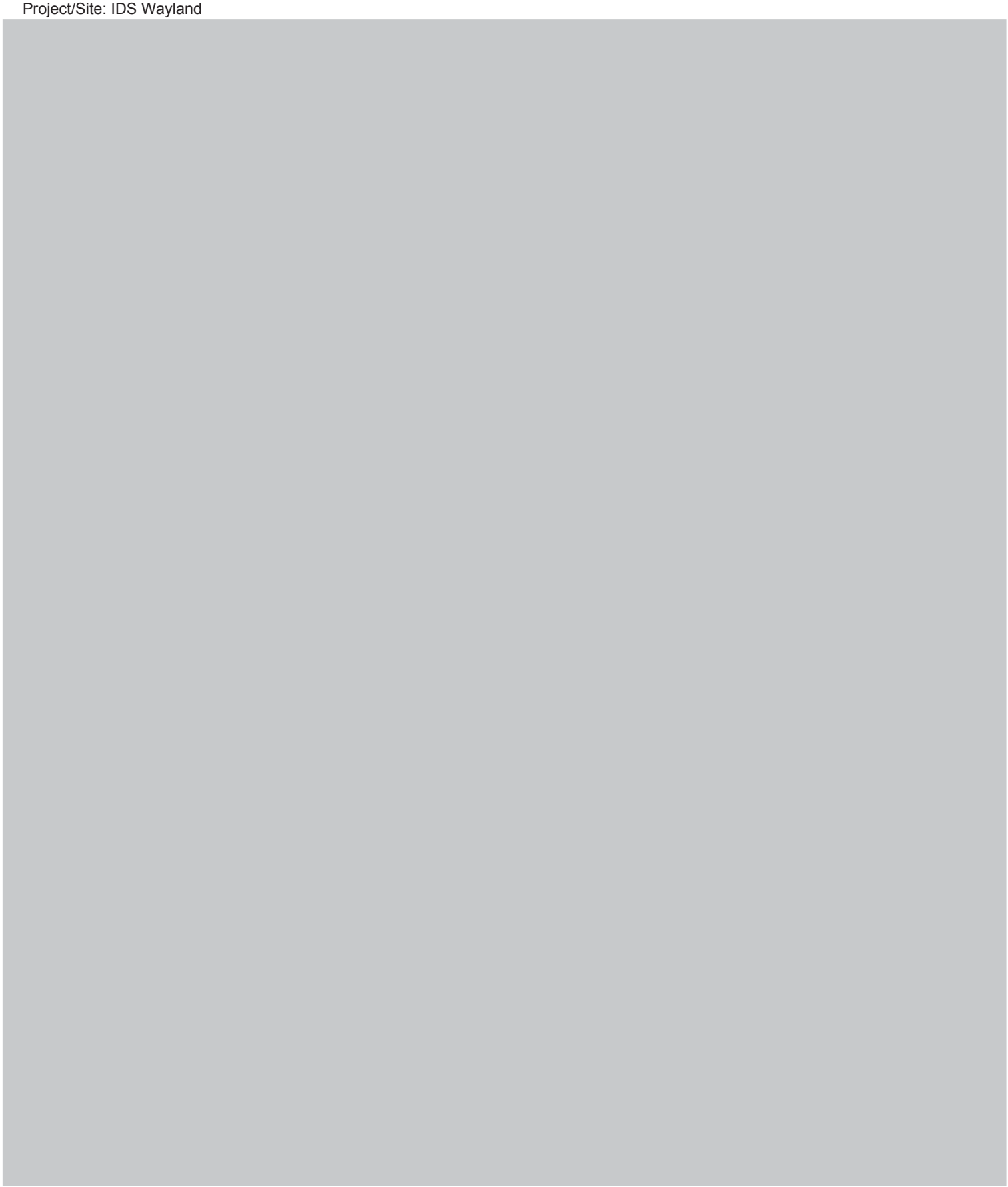


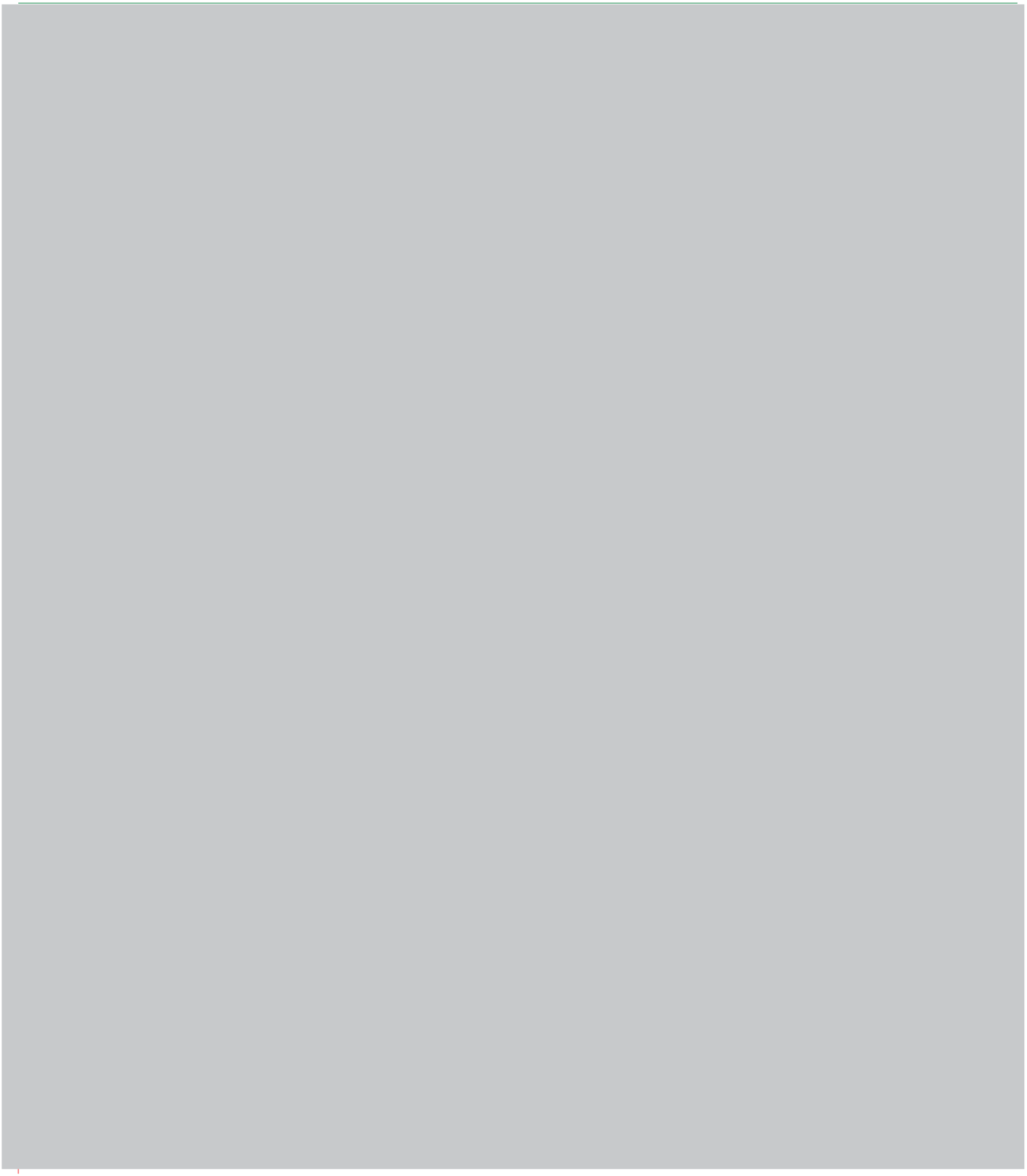


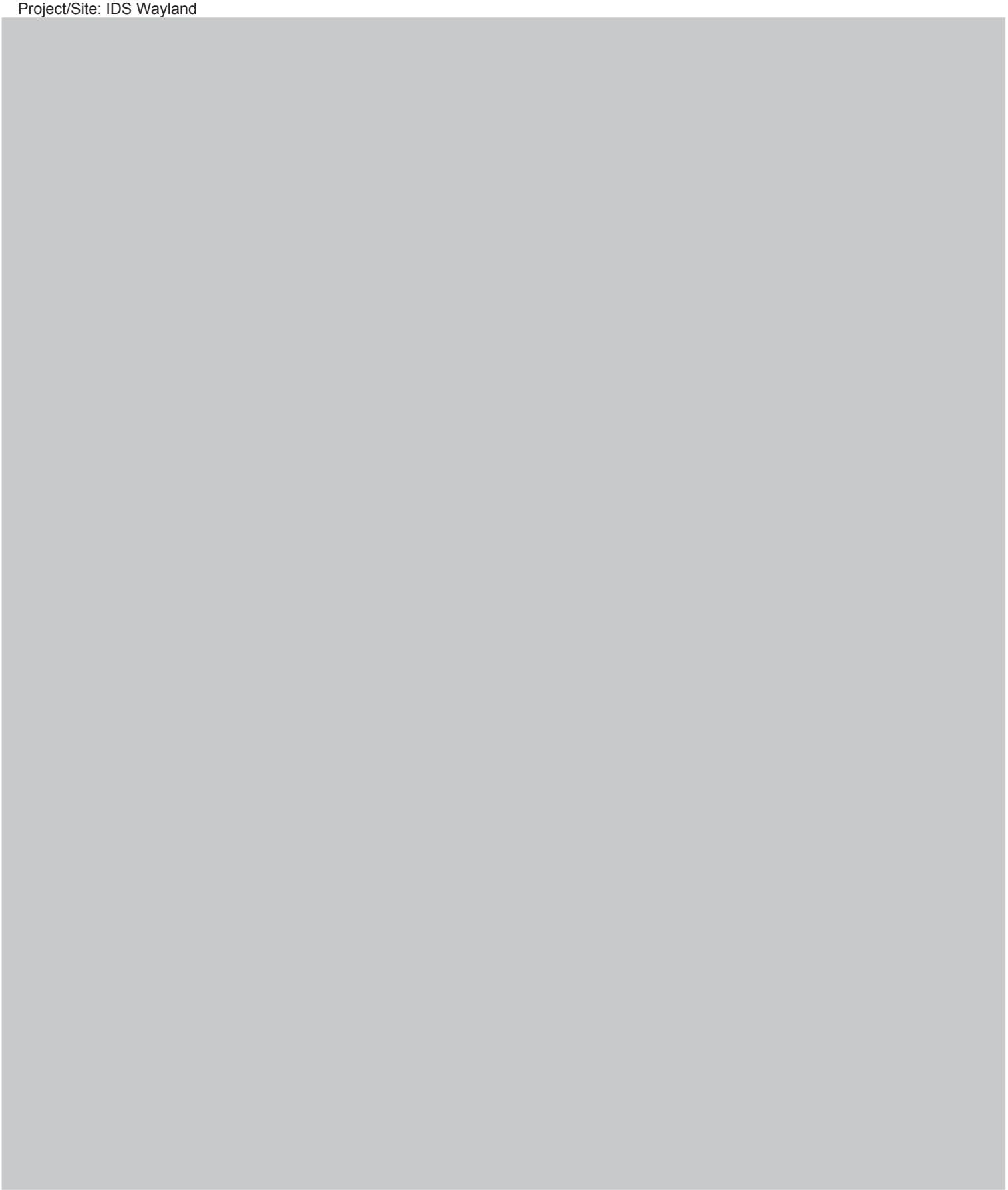


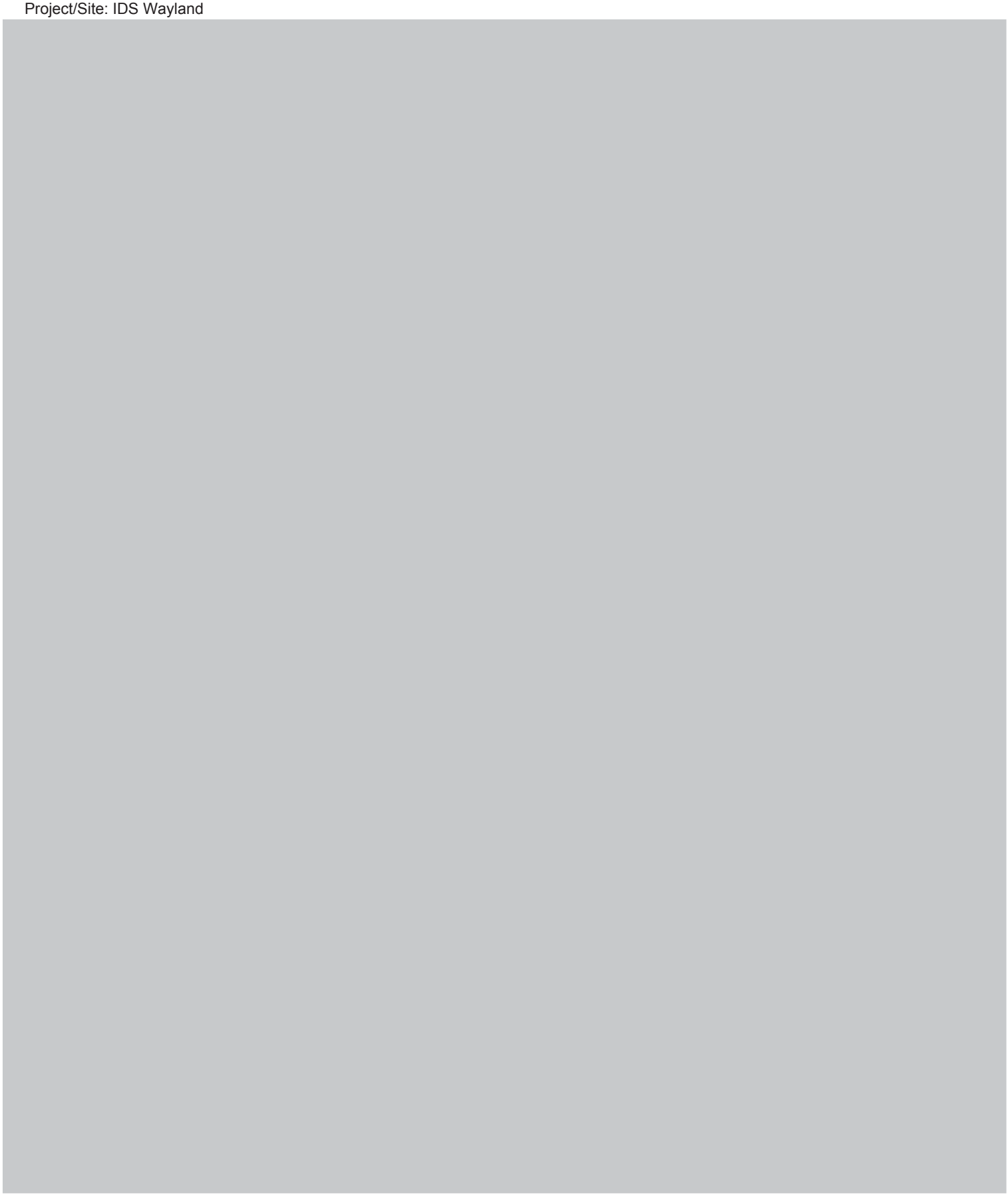












Surrogate Summary

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

TestAmerica Job ID: 480-67875-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DBFM	TOL	12DCE	BFB
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)	(70-130)
480-67875-1	DEP-19M-20140921	106	91	106	93
480-67875-1	DEP-19M-20140921	97	96	105	96
480-67875-2	DEP-21-20140921	95	94	104	94
480-67875-3	MW-261S-20140923	94	96	102	95
480-67875-4	MW-263M-20140921	96	95	99	96
480-67875-5	MW-264M-20140921	94	100	105	97
480-67875-6	MW-265S-20140920	96	100	104	94
480-67875-7	MW-265M-20140923	103	95	116	96
480-67875-8	MW-265D-20140920	99	99	105	98
480-67875-9	MW-266Ma-20140920	97	101	106	98
480-67875-10	MW-266Mb-20140920	101	98	109	97
480-67875-11	MW-267S-20140920	101	99	111	96
480-67875-11	MW-267S-20140920	95	102	100	95
480-67875-12	MW-267M-20140920	99	99	113	97
480-67875-13	MW-268S-20140923	98	97	111	97
480-67875-14	MW-268M-20140923	100	101	111	97
480-67875-14	MW-268M-20140923	100	101	108	95
480-67875-15	MW-268D-20140920	99	98	110	94
480-67875-15	MW-268D-20140920	98	101	102	94
480-67875-16	MW-269Ma-20140920	101	96	109	96
480-67875-17	MW-551-20140920	95	97	110	101
480-67875-18	MW-552-20140923	109	98	112	95
480-67875-18	MW-552-20140923	96	103	106	94
480-67875-19	MW-553-20140922	101	98	109	96
480-67875-19	MW-553-20140922	94	100	100	100
480-67875-20	MW-560-20140922	111	92	119	95
480-67875-21	MW-561-20140922	99	114	110	98
480-67875-21	MW-561-20140922	103	99	106	94
480-67875-22	MW-562-20140922	100	112	114	95
480-67875-23	MW-563-20140922	101	114	113	99
480-67875-24	REW-1-20140923	102	112	113	96
480-67875-25	REW-4-20140923	102	113	112	96
480-67875-26	REW-5-20140923	103	113	112	96
480-67875-27	REW-6-20140922	102	115	111	97
480-67875-27	REW-6-20140922	102	114	109	94
480-67875-28	REW-7-20140922	103	114	112	96
480-67875-28	REW-7-20140922	107	100	105	96
480-67875-29	REW-8-20140922	102	114	112	98
480-67875-30	REW-9-20140922	104	114	114	93
480-67875-31	REW-10-20140923	102	114	112	99
480-67875-32	REW-11-20140922	103	113	111	95
480-67875-32	REW-11-20140922	104	113	114	94
480-67875-33	REW-12-20140922	104	115	112	95
480-67875-33	REW-12-20140922	105	98	107	88
480-67875-34	DUP1-20140920	102	113	112	97
480-67875-35	DUP2-20140922	102	114	112	95
480-67875-35	DUP2-20140922	106	100	108	96
480-67875-36	DUP3-20140923	102	113	109	99
480-67875-37	TRIP BLANKS	102	113	112	95

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DBFM	TOL	12DCE	BFB
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)	(70-130)
LCS 490-194457/3	Lab Control Sample	110	93	116	92
LCS 490-194717/3	Lab Control Sample	101	107	107	93
LCS 490-194754/3	Lab Control Sample	97	97	124	94
LCS 490-194871/3	Lab Control Sample	104	112	110	92
LCS 490-194946/3	Lab Control Sample	104	96	116	95
LCS 490-195016/3	Lab Control Sample	99	100	98	97
LCS 490-195033/3	Lab Control Sample	100	100	107	95
LCS 490-195081/3	Lab Control Sample	101	109	106	93
LCS 490-195227/3	Lab Control Sample	104	109	108	94
LCSD 490-194457/4	Lab Control Sample Dup	98	96	111	98
LCSD 490-194717/4	Lab Control Sample Dup	101	107	108	93
LCSD 490-194754/4	Lab Control Sample Dup	103	96	116	95
LCSD 490-194871/4	Lab Control Sample Dup	102	109	110	92
LCSD 490-194946/4	Lab Control Sample Dup	98	98	105	95
LCSD 490-195016/4	Lab Control Sample Dup	100	99	96	102
LCSD 490-195033/4	Lab Control Sample Dup	94	101	98	96
LCSD 490-195081/4	Lab Control Sample Dup	100	109	106	94
LCSD 490-195227/4	Lab Control Sample Dup	101	108	105	93
MB 490-194457/7	Method Blank	102	96	108	92
MB 490-194717/7	Method Blank	102	112	112	92
MB 490-194754/7	Method Blank	99	98	104	98
MB 490-194871/7	Method Blank	102	114	113	94
MB 490-194946/7	Method Blank	98	99	103	93
MB 490-195016/7	Method Blank	105	99	107	92
MB 490-195033/7	Method Blank	99	102	105	95
MB 490-195081/7	Method Blank	101	111	108	97
MB 490-195227/7	Method Blank	101	114	109	97

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

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

BFB = 4-Bromofluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)
		14DD8
Lab Sample ID	Client Sample ID	(70-130)
480-67875-3	MW-261S-20140923	78
480-67875-7	MW-265M-20140923	49 X
480-67875-9	MW-266Ma-20140920	93
480-67875-11	MW-267S-20140920	91
480-67875-12	MW-267M-20140920	94
480-67875-13	MW-268S-20140923	87
480-67875-14	MW-268M-20140923	90
480-67875-16	MW-269Ma-20140920	88
480-67875-18	MW-552-20140923	86

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

TestAmerica Job ID: 480-67875-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)								
Lab Sample ID	Client Sample ID	14DD8 (70-130)								
480-67875-36	DUP3-20140923	83								
LCS 200-77937/2-A	Lab Control Sample	79								
MB 200-77937/1-A	Method Blank	86								

Surrogate Legend

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

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

Lab Sample ID: MB 490-194457/7
Matrix: Water
Analysis Batch: 194457

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			10/01/14 13:44	1
1,1,1-Trichloroethane	ND		1.0		ug/L			10/01/14 13:44	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			10/01/14 13:44	1
1,1,2-Trichloroethane	ND		1.0		ug/L			10/01/14 13:44	1
1,1-Dichloroethane	ND		1.0		ug/L			10/01/14 13:44	1
1,1-Dichloroethene	ND		1.0		ug/L			10/01/14 13:44	1
1,1-Dichloropropene	ND		1.0		ug/L			10/01/14 13:44	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			10/01/14 13:44	1
1,2,3-Trichloropropane	ND		1.0		ug/L			10/01/14 13:44	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			10/01/14 13:44	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			10/01/14 13:44	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			10/01/14 13:44	1
1,2-Dichlorobenzene	ND		1.0		ug/L			10/01/14 13:44	1
1,2-Dichloroethane	ND		1.0		ug/L			10/01/14 13:44	1
1,2-Dichloropropane	ND		1.0		ug/L			10/01/14 13:44	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			10/01/14 13:44	1
1,3-Dichlorobenzene	ND		1.0		ug/L			10/01/14 13:44	1
1,3-Dichloropropane	ND		1.0		ug/L			10/01/14 13:44	1
1,4-Dichlorobenzene	ND		1.0		ug/L			10/01/14 13:44	1
1,4-Dioxane	ND		200		ug/L			10/01/14 13:44	1
2,2-Dichloropropane	ND		1.0		ug/L			10/01/14 13:44	1
2-Butanone (MEK)	ND		50		ug/L			10/01/14 13:44	1
2-Chlorotoluene	ND		1.0		ug/L			10/01/14 13:44	1
2-Hexanone	ND		10		ug/L			10/01/14 13:44	1
4-Chlorotoluene	ND		1.0		ug/L			10/01/14 13:44	1
4-Isopropyltoluene	ND		1.0		ug/L			10/01/14 13:44	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			10/01/14 13:44	1
Acetone	ND		25		ug/L			10/01/14 13:44	1
Benzene	ND		1.0		ug/L			10/01/14 13:44	1
Bromobenzene	ND		1.0		ug/L			10/01/14 13:44	1
Bromoform	ND		1.0		ug/L			10/01/14 13:44	1
Bromomethane	ND		1.0		ug/L			10/01/14 13:44	1
Carbon disulfide	ND		1.0		ug/L			10/01/14 13:44	1
Carbon tetrachloride	ND		1.0		ug/L			10/01/14 13:44	1
Chlorobenzene	ND		1.0		ug/L			10/01/14 13:44	1
Chlorobromomethane	ND		1.0		ug/L			10/01/14 13:44	1
Chlorodibromomethane	ND		1.0		ug/L			10/01/14 13:44	1
Chloroethane	ND		1.0		ug/L			10/01/14 13:44	1
Chloroform	ND		1.0		ug/L			10/01/14 13:44	1
Chloromethane	ND		1.0		ug/L			10/01/14 13:44	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			10/01/14 13:44	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			10/01/14 13:44	1
Dibromomethane	ND		1.0		ug/L			10/01/14 13:44	1
Dichlorobromomethane	ND		1.0		ug/L			10/01/14 13:44	1
Dichlorodifluoromethane	ND		1.0		ug/L			10/01/14 13:44	1
Ethyl ether	ND		5.0		ug/L			10/01/14 13:44	1
Ethylbenzene	ND		1.0		ug/L			10/01/14 13:44	1
Ethylene Dibromide	ND		1.0		ug/L			10/01/14 13:44	1

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

Lab Sample ID: MB 490-194457/7
Matrix: Water
Analysis Batch: 194457

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		2.0		ug/L			10/01/14 13:44	1
Isopropyl ether	ND		2.0		ug/L			10/01/14 13:44	1
Isopropylbenzene	ND		1.0		ug/L			10/01/14 13:44	1
Methyl tert-butyl ether	ND		1.0		ug/L			10/01/14 13:44	1
Methylene Chloride	ND		5.0		ug/L			10/01/14 13:44	1
m-Xylene & p-Xylene	ND		2.0		ug/L			10/01/14 13:44	1
Naphthalene	ND		5.0		ug/L			10/01/14 13:44	1
n-Butylbenzene	ND		1.0		ug/L			10/01/14 13:44	1
N-Propylbenzene	ND		1.0		ug/L			10/01/14 13:44	1
o-Xylene	ND		1.0		ug/L			10/01/14 13:44	1
sec-Butylbenzene	ND		1.0		ug/L			10/01/14 13:44	1
Styrene	ND		1.0		ug/L			10/01/14 13:44	1
Tert-amyl methyl ether	ND		1.0		ug/L			10/01/14 13:44	1
Tert-butyl ethyl ether	ND		1.0		ug/L			10/01/14 13:44	1
tert-Butylbenzene	ND		1.0		ug/L			10/01/14 13:44	1
Tetrachloroethene	ND		1.0		ug/L			10/01/14 13:44	1
Tetrahydrofuran	ND		10		ug/L			10/01/14 13:44	1
Toluene	ND		1.0		ug/L			10/01/14 13:44	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			10/01/14 13:44	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			10/01/14 13:44	1
Trichloroethene	ND		1.0		ug/L			10/01/14 13:44	1
Trichlorofluoromethane	ND		1.0		ug/L			10/01/14 13:44	1
Vinyl chloride	ND		1.0		ug/L			10/01/14 13:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*10/01/14 13:44*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*10/01/14 13:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*		*10/01/14 13:44*	*1*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*10/01/14 13:44*	*1*

Lab Sample ID: LCS 490-194457/3
Matrix: Water
Analysis Batch: 194457

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	50.0	49.2		ug/L		98	70 - 130
1,1,1-Trichloroethane	50.0	59.3		ug/L		119	70 - 130
1,1,2,2-Tetrachloroethane	50.0	43.0		ug/L		86	70 - 130
1,1,2-Trichloroethane	50.0	45.8		ug/L		92	70 - 130
1,1-Dichloroethane	50.0	51.7		ug/L		103	70 - 130
1,1-Dichloroethene	50.0	54.7		ug/L		109	70 - 130
1,1-Dichloropropene	50.0	54.7		ug/L		109	70 - 130
1,2,3-Trichlorobenzene	50.0	51.5		ug/L		103	70 - 130
1,2,3-Trichloropropane	50.0	47.8		ug/L		96	70 - 130
1,2,4-Trichlorobenzene	50.0	51.4		ug/L		103	70 - 130
1,2,4-Trimethylbenzene	50.0	45.7		ug/L		91	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	49.1		ug/L		98	70 - 130
1,2-Dichlorobenzene	50.0	46.9		ug/L		94	70 - 130

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

Lab Sample ID: LCS 490-194457/3
Matrix: Water
Analysis Batch: 194457

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	50.0	61.9		ug/L		124	70 - 130
1,2-Dichloropropane	50.0	45.6		ug/L		91	70 - 130
1,3,5-Trimethylbenzene	50.0	46.2		ug/L		92	70 - 130
1,3-Dichlorobenzene	50.0	46.6		ug/L		93	70 - 130
1,3-Dichloropropane	50.0	48.1		ug/L		96	70 - 130
1,4-Dichlorobenzene	50.0	44.3		ug/L		89	70 - 130
1,4-Dioxane	1000	1490	*	ug/L		149	70 - 130
2,2-Dichloropropane	50.0	57.3		ug/L		115	70 - 130
2-Butanone (MEK)	250	265		ug/L		106	70 - 130
2-Chlorotoluene	50.0	46.1		ug/L		92	70 - 130
2-Hexanone	250	220		ug/L		88	70 - 130
4-Chlorotoluene	50.0	47.0		ug/L		94	70 - 130
4-Isopropyltoluene	50.0	47.0		ug/L		94	70 - 130
4-Methyl-2-pentanone (MIBK)	250	218		ug/L		87	70 - 130
Acetone	250	258		ug/L		103	70 - 130
Benzene	50.0	47.2		ug/L		94	70 - 130
Bromobenzene	50.0	43.2		ug/L		86	70 - 130
Bromoform	50.0	53.7		ug/L		107	70 - 130
Bromomethane	50.0	56.5		ug/L		113	70 - 130
Carbon disulfide	50.0	51.6		ug/L		103	70 - 130
Carbon tetrachloride	50.0	59.7		ug/L		119	70 - 130
Chlorobenzene	50.0	47.5		ug/L		95	70 - 130
Chlorobromomethane	50.0	53.1		ug/L		106	70 - 130
Chlorodibromomethane	50.0	50.2		ug/L		100	70 - 130
Chloroethane	50.0	50.0		ug/L		100	70 - 130
Chloroform	50.0	56.9		ug/L		114	70 - 130
Chloromethane	50.0	46.4		ug/L		93	70 - 130
cis-1,2-Dichloroethene	50.0	51.3		ug/L		103	70 - 130
cis-1,3-Dichloropropene	50.0	46.7		ug/L		93	70 - 130
Dibromomethane	50.0	52.1		ug/L		104	70 - 130
Dichlorobromomethane	50.0	54.3		ug/L		109	70 - 130
Dichlorodifluoromethane	50.0	57.8		ug/L		116	70 - 130
Ethyl ether	50.0	47.0		ug/L		94	70 - 130
Ethylbenzene	50.0	47.5		ug/L		95	70 - 130
Ethylene Dibromide	50.0	46.4		ug/L		93	70 - 130
Hexachlorobutadiene	50.0	51.3		ug/L		103	70 - 130
Isopropyl ether	50.0	43.1		ug/L		86	70 - 130
Isopropylbenzene	50.0	48.7		ug/L		97	70 - 130
Methyl tert-butyl ether	50.0	51.4		ug/L		103	70 - 130
Methylene Chloride	50.0	45.9		ug/L		92	70 - 130
m-Xylene & p-Xylene	50.0	48.0		ug/L		96	70 - 130
Naphthalene	50.0	50.4		ug/L		101	70 - 130
n-Butylbenzene	50.0	45.7		ug/L		91	70 - 130
N-Propylbenzene	50.0	45.8		ug/L		92	70 - 130
o-Xylene	50.0	46.8		ug/L		94	70 - 130
sec-Butylbenzene	50.0	46.6		ug/L		93	70 - 130
Styrene	50.0	46.7		ug/L		93	70 - 130
Tert-amyl methyl ether	50.0	48.6		ug/L		97	70 - 130

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

Lab Sample ID: LCS 490-194457/3
Matrix: Water
Analysis Batch: 194457

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tert-butyl ethyl ether	50.0	48.7		ug/L		97	70 - 130
tert-Butylbenzene	50.0	47.6		ug/L		95	70 - 130
Tetrachloroethene	50.0	49.6		ug/L		99	70 - 130
Tetrahydrofuran	100	99.7		ug/L		100	70 - 130
Toluene	50.0	45.8		ug/L		92	70 - 130
trans-1,2-Dichloroethene	50.0	51.8		ug/L		104	70 - 130
trans-1,3-Dichloropropene	50.0	48.7		ug/L		97	70 - 130
Trichloroethene	50.0	51.9		ug/L		104	70 - 130
Trichlorofluoromethane	50.0	62.7		ug/L		125	70 - 130
Vinyl chloride	50.0	49.6		ug/L		99	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*110*		*70 - 130*
Toluene-d8 (Surr)	*93*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*116*		*70 - 130*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: LCSD 490-194457/4
Matrix: Water
Analysis Batch: 194457

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	50.0	46.4		ug/L		93	70 - 130	6	20
1,1,1-Trichloroethane	50.0	53.3		ug/L		107	70 - 130	11	20
1,1,2,2-Tetrachloroethane	50.0	41.8		ug/L		84	70 - 130	3	20
1,1,2-Trichloroethane	50.0	45.7		ug/L		91	70 - 130	0	20
1,1-Dichloroethane	50.0	45.8		ug/L		92	70 - 130	12	20
1,1-Dichloroethene	50.0	48.3		ug/L		97	70 - 130	12	20
1,1-Dichloropropene	50.0	50.2		ug/L		100	70 - 130	9	20
1,2,3-Trichlorobenzene	50.0	49.3		ug/L		99	70 - 130	4	20
1,2,3-Trichloropropane	50.0	47.5		ug/L		95	70 - 130	1	20
1,2,4-Trichlorobenzene	50.0	49.6		ug/L		99	70 - 130	4	20
1,2,4-Trimethylbenzene	50.0	43.8		ug/L		88	70 - 130	4	20
1,2-Dibromo-3-Chloropropane	50.0	48.2		ug/L		96	70 - 130	2	20
1,2-Dichlorobenzene	50.0	45.2		ug/L		90	70 - 130	4	20
1,2-Dichloroethane	50.0	55.7		ug/L		111	70 - 130	11	20
1,2-Dichloropropane	50.0	42.1		ug/L		84	70 - 130	8	20
1,3,5-Trimethylbenzene	50.0	44.6		ug/L		89	70 - 130	3	20
1,3-Dichlorobenzene	50.0	44.6		ug/L		89	70 - 130	4	20
1,3-Dichloropropane	50.0	47.5		ug/L		95	70 - 130	1	20
1,4-Dichlorobenzene	50.0	42.6		ug/L		85	70 - 130	4	20
1,4-Dioxane	1000	1380	*	ug/L		138	70 - 130	7	20
2,2-Dichloropropane	50.0	52.4		ug/L		105	70 - 130	9	20
2-Butanone (MEK)	250	246		ug/L		98	70 - 130	8	20
2-Chlorotoluene	50.0	45.1		ug/L		90	70 - 130	2	20
2-Hexanone	250	215		ug/L		86	70 - 130	3	20
4-Chlorotoluene	50.0	45.3		ug/L		91	70 - 130	4	20
4-Isopropyltoluene	50.0	45.4		ug/L		91	70 - 130	3	20

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

Lab Sample ID: LCSD 490-194457/4
Matrix: Water
Analysis Batch: 194457

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
4-Methyl-2-pentanone (MIBK)			250	222		ug/L		89	70 - 130	2	20
Acetone			250	214		ug/L		85	70 - 130	19	20
Benzene			50.0	45.3		ug/L		91	70 - 130	4	20
Bromobenzene			50.0	42.5		ug/L		85	70 - 130	2	20
Bromoform			50.0	50.2		ug/L		100	70 - 130	7	20
Bromomethane			50.0	50.3		ug/L		101	70 - 130	12	20
Carbon disulfide			50.0	47.0		ug/L		94	70 - 130	9	20
Carbon tetrachloride			50.0	54.9		ug/L		110	70 - 130	8	20
Chlorobenzene			50.0	45.4		ug/L		91	70 - 130	4	20
Chlorobromomethane			50.0	48.8		ug/L		98	70 - 130	9	20
Chlorodibromomethane			50.0	48.4		ug/L		97	70 - 130	4	20
Chloroethane			50.0	44.2		ug/L		88	70 - 130	12	20
Chloroform			50.0	50.7		ug/L		101	70 - 130	12	20
Chloromethane			50.0	39.8		ug/L		80	70 - 130	15	20
cis-1,2-Dichloroethene			50.0	46.7		ug/L		93	70 - 130	9	20
cis-1,3-Dichloropropene			50.0	47.6		ug/L		95	70 - 130	2	20
Dibromomethane			50.0	47.5		ug/L		95	70 - 130	9	20
Dichlorobromomethane			50.0	48.8		ug/L		98	70 - 130	11	20
Dichlorodifluoromethane			50.0	50.8		ug/L		102	70 - 130	13	20
Ethyl ether			50.0	46.5		ug/L		93	70 - 130	1	20
Ethylbenzene			50.0	45.1		ug/L		90	70 - 130	5	20
Ethylene Dibromide			50.0	45.3		ug/L		91	70 - 130	2	20
Hexachlorobutadiene			50.0	48.0		ug/L		96	70 - 130	7	20
Isopropyl ether			50.0	43.8		ug/L		88	70 - 130	2	20
Isopropylbenzene			50.0	46.2		ug/L		92	70 - 130	5	20
Methyl tert-butyl ether			50.0	50.6		ug/L		101	70 - 130	2	20
Methylene Chloride			50.0	43.6		ug/L		87	70 - 130	5	20
m-Xylene & p-Xylene			50.0	45.6		ug/L		91	70 - 130	5	20
Naphthalene			50.0	48.1		ug/L		96	70 - 130	5	20
n-Butylbenzene			50.0	44.2		ug/L		88	70 - 130	4	20
N-Propylbenzene			50.0	45.5		ug/L		91	70 - 130	0	20
o-Xylene			50.0	44.5		ug/L		89	70 - 130	5	20
sec-Butylbenzene			50.0	45.4		ug/L		91	70 - 130	3	20
Styrene			50.0	43.6		ug/L		87	70 - 130	7	20
Tert-amyl methyl ether			50.0	47.1		ug/L		94	70 - 130	3	20
Tert-butyl ethyl ether			50.0	48.2		ug/L		96	70 - 130	1	20
tert-Butylbenzene			50.0	47.0		ug/L		94	70 - 130	1	20
Tetrachloroethene			50.0	48.2		ug/L		96	70 - 130	3	20
Tetrahydrofuran			100	87.6		ug/L		88	70 - 130	13	20
Toluene			50.0	44.3		ug/L		89	70 - 130	3	20
trans-1,2-Dichloroethene			50.0	45.9		ug/L		92	70 - 130	12	20
trans-1,3-Dichloropropene			50.0	47.9		ug/L		96	70 - 130	1	20
Trichloroethene			50.0	47.5		ug/L		95	70 - 130	9	20
Trichlorofluoromethane			50.0	54.2		ug/L		108	70 - 130	14	20
Vinyl chloride			50.0	45.2		ug/L		90	70 - 130	9	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*98*		*70 - 130*

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

Lab Sample ID: LCSD 490-194457/4
Matrix: Water
Analysis Batch: 194457

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	*96*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 130*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: MB 490-194717/7
Matrix: Water
Analysis Batch: 194717

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			10/02/14 14:05	1
1,1,1-Trichloroethane	ND		1.0		ug/L			10/02/14 14:05	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			10/02/14 14:05	1
1,1,2-Trichloroethane	ND		1.0		ug/L			10/02/14 14:05	1
1,1-Dichloroethane	ND		1.0		ug/L			10/02/14 14:05	1
1,1-Dichloroethene	ND		1.0		ug/L			10/02/14 14:05	1
1,1-Dichloropropene	ND		1.0		ug/L			10/02/14 14:05	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			10/02/14 14:05	1
1,2,3-Trichloropropane	ND		1.0		ug/L			10/02/14 14:05	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			10/02/14 14:05	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			10/02/14 14:05	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			10/02/14 14:05	1
1,2-Dichlorobenzene	ND		1.0		ug/L			10/02/14 14:05	1
1,2-Dichloroethane	ND		1.0		ug/L			10/02/14 14:05	1
1,2-Dichloropropane	ND		1.0		ug/L			10/02/14 14:05	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			10/02/14 14:05	1
1,3-Dichlorobenzene	ND		1.0		ug/L			10/02/14 14:05	1
1,3-Dichloropropane	ND		1.0		ug/L			10/02/14 14:05	1
1,4-Dichlorobenzene	ND		1.0		ug/L			10/02/14 14:05	1
1,4-Dioxane	ND		200		ug/L			10/02/14 14:05	1
2,2-Dichloropropane	ND		1.0		ug/L			10/02/14 14:05	1
2-Butanone (MEK)	ND		50		ug/L			10/02/14 14:05	1
2-Chlorotoluene	ND		1.0		ug/L			10/02/14 14:05	1
2-Hexanone	ND		10		ug/L			10/02/14 14:05	1
4-Chlorotoluene	ND		1.0		ug/L			10/02/14 14:05	1
4-Isopropyltoluene	ND		1.0		ug/L			10/02/14 14:05	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			10/02/14 14:05	1
Acetone	ND		25		ug/L			10/02/14 14:05	1
Benzene	ND		1.0		ug/L			10/02/14 14:05	1
Bromobenzene	ND		1.0		ug/L			10/02/14 14:05	1
Bromoform	ND		1.0		ug/L			10/02/14 14:05	1
Bromomethane	ND		1.0		ug/L			10/02/14 14:05	1
Carbon disulfide	ND		1.0		ug/L			10/02/14 14:05	1
Carbon tetrachloride	ND		1.0		ug/L			10/02/14 14:05	1
Chlorobenzene	ND		1.0		ug/L			10/02/14 14:05	1
Chlorobromomethane	ND		1.0		ug/L			10/02/14 14:05	1
Chlorodibromomethane	ND		1.0		ug/L			10/02/14 14:05	1
Chloroethane	ND		1.0		ug/L			10/02/14 14:05	1
Chloroform	ND		1.0		ug/L			10/02/14 14:05	1

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

Lab Sample ID: MB 490-194717/7
Matrix: Water
Analysis Batch: 194717

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0		ug/L			10/02/14 14:05	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			10/02/14 14:05	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			10/02/14 14:05	1
Dibromomethane	ND		1.0		ug/L			10/02/14 14:05	1
Dichlorobromomethane	ND		1.0		ug/L			10/02/14 14:05	1
Dichlorodifluoromethane	ND		1.0		ug/L			10/02/14 14:05	1
Ethyl ether	ND		5.0		ug/L			10/02/14 14:05	1
Ethylbenzene	ND		1.0		ug/L			10/02/14 14:05	1
Ethylene Dibromide	ND		1.0		ug/L			10/02/14 14:05	1
Hexachlorobutadiene	ND		2.0		ug/L			10/02/14 14:05	1
Isopropyl ether	ND		2.0		ug/L			10/02/14 14:05	1
Isopropylbenzene	ND		1.0		ug/L			10/02/14 14:05	1
Methyl tert-butyl ether	ND		1.0		ug/L			10/02/14 14:05	1
Methylene Chloride	ND		5.0		ug/L			10/02/14 14:05	1
m-Xylene & p-Xylene	ND		2.0		ug/L			10/02/14 14:05	1
Naphthalene	ND		5.0		ug/L			10/02/14 14:05	1
n-Butylbenzene	ND		1.0		ug/L			10/02/14 14:05	1
N-Propylbenzene	ND		1.0		ug/L			10/02/14 14:05	1
o-Xylene	ND		1.0		ug/L			10/02/14 14:05	1
sec-Butylbenzene	ND		1.0		ug/L			10/02/14 14:05	1
Styrene	ND		1.0		ug/L			10/02/14 14:05	1
Tert-amyl methyl ether	ND		1.0		ug/L			10/02/14 14:05	1
Tert-butyl ethyl ether	ND		1.0		ug/L			10/02/14 14:05	1
tert-Butylbenzene	ND		1.0		ug/L			10/02/14 14:05	1
Tetrachloroethene	ND		1.0		ug/L			10/02/14 14:05	1
Tetrahydrofuran	ND		10		ug/L			10/02/14 14:05	1
Toluene	ND		1.0		ug/L			10/02/14 14:05	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			10/02/14 14:05	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			10/02/14 14:05	1
Trichloroethene	ND		1.0		ug/L			10/02/14 14:05	1
Trichlorofluoromethane	ND		1.0		ug/L			10/02/14 14:05	1
Vinyl chloride	ND		1.0		ug/L			10/02/14 14:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*10/02/14 14:05*	*1*
Toluene-d8 (Surr)	*112*		*70 - 130*		*10/02/14 14:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*70 - 130*		*10/02/14 14:05*	*1*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*10/02/14 14:05*	*1*

Lab Sample ID: LCS 490-194717/3
Matrix: Water
Analysis Batch: 194717

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	50.0	51.8		ug/L		104	70 - 130
1,1,1-Trichloroethane	50.0	51.0		ug/L		102	70 - 130
1,1,2,2-Tetrachloroethane	50.0	51.5		ug/L		103	70 - 130
1,1,2-Trichloroethane	50.0	54.9		ug/L		110	70 - 130

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

Lab Sample ID: LCS 490-194717/3
Matrix: Water
Analysis Batch: 194717

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	50.0	51.1		ug/L		102	70 - 130
1,1-Dichloroethene	50.0	50.1		ug/L		100	70 - 130
1,1-Dichloropropene	50.0	50.2		ug/L		100	70 - 130
1,2,3-Trichlorobenzene	50.0	52.6		ug/L		105	70 - 130
1,2,3-Trichloropropane	50.0	51.4		ug/L		103	70 - 130
1,2,4-Trichlorobenzene	50.0	54.5		ug/L		109	70 - 130
1,2,4-Trimethylbenzene	50.0	50.9		ug/L		102	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	49.7		ug/L		99	70 - 130
1,2-Dichlorobenzene	50.0	53.0		ug/L		106	70 - 130
1,2-Dichloroethane	50.0	54.8		ug/L		110	70 - 130
1,2-Dichloropropane	50.0	50.2		ug/L		100	70 - 130
1,3,5-Trimethylbenzene	50.0	51.7		ug/L		103	70 - 130
1,3-Dichlorobenzene	50.0	51.4		ug/L		103	70 - 130
1,3-Dichloropropane	50.0	58.1		ug/L		116	70 - 130
1,4-Dichlorobenzene	50.0	50.3		ug/L		101	70 - 130
1,4-Dioxane	1000	869		ug/L		87	70 - 130
2,2-Dichloropropane	50.0	51.0		ug/L		102	70 - 130
2-Butanone (MEK)	250	268		ug/L		107	70 - 130
2-Chlorotoluene	50.0	48.9		ug/L		98	70 - 130
2-Hexanone	250	296		ug/L		118	70 - 130
4-Chlorotoluene	50.0	52.3		ug/L		105	70 - 130
4-Isopropyltoluene	50.0	50.0		ug/L		100	70 - 130
4-Methyl-2-pentanone (MIBK)	250	309		ug/L		124	70 - 130
Acetone	250	260		ug/L		104	70 - 130
Benzene	50.0	50.8		ug/L		102	70 - 130
Bromobenzene	50.0	49.3		ug/L		99	70 - 130
Bromoform	50.0	53.6		ug/L		107	70 - 130
Bromomethane	50.0	55.4		ug/L		111	70 - 130
Carbon disulfide	50.0	51.7		ug/L		103	70 - 130
Carbon tetrachloride	50.0	50.6		ug/L		101	70 - 130
Chlorobenzene	50.0	50.6		ug/L		101	70 - 130
Chlorobromomethane	50.0	52.5		ug/L		105	70 - 130
Chlorodibromomethane	50.0	52.6		ug/L		105	70 - 130
Chloroethane	50.0	52.0		ug/L		104	70 - 130
Chloroform	50.0	50.7		ug/L		101	70 - 130
Chloromethane	50.0	50.5		ug/L		101	70 - 130
cis-1,2-Dichloroethene	50.0	52.3		ug/L		105	70 - 130
cis-1,3-Dichloropropene	50.0	55.4		ug/L		111	70 - 130
Dibromomethane	50.0	51.3		ug/L		103	70 - 130
Dichlorobromomethane	50.0	49.9		ug/L		100	70 - 130
Dichlorodifluoromethane	50.0	54.8		ug/L		110	70 - 130
Ethyl ether	50.0	53.8		ug/L		108	70 - 130
Ethylbenzene	50.0	50.9		ug/L		102	70 - 130
Ethylene Dibromide	50.0	54.6		ug/L		109	70 - 130
Hexachlorobutadiene	50.0	46.2		ug/L		92	70 - 130
Isopropyl ether	50.0	55.8		ug/L		112	70 - 130
Isopropylbenzene	50.0	51.4		ug/L		103	70 - 130
Methyl tert-butyl ether	50.0	53.3		ug/L		107	70 - 130

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

Lab Sample ID: LCS 490-194717/3
Matrix: Water
Analysis Batch: 194717

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Methylene Chloride			50.0	52.7		ug/L		105	70 - 130		
m-Xylene & p-Xylene			50.0	50.9		ug/L		102	70 - 130		
Naphthalene			50.0	56.5		ug/L		113	70 - 130		
n-Butylbenzene			50.0	53.6		ug/L		107	70 - 130		
N-Propylbenzene			50.0	51.8		ug/L		104	70 - 130		
o-Xylene			50.0	51.3		ug/L		103	70 - 130		
sec-Butylbenzene			50.0	50.6		ug/L		101	70 - 130		
Styrene			50.0	53.3		ug/L		107	70 - 130		
Tert-amyl methyl ether			50.0	50.5		ug/L		101	70 - 130		
Tert-butyl ethyl ether			50.0	51.8		ug/L		104	70 - 130		
tert-Butylbenzene			50.0	48.9		ug/L		98	70 - 130		
Tetrachloroethene			50.0	53.4		ug/L		107	70 - 130		
Tetrahydrofuran			100	117		ug/L		117	70 - 130		
Toluene			50.0	55.9		ug/L		112	70 - 130		
trans-1,2-Dichloroethene			50.0	52.8		ug/L		106	70 - 130		
trans-1,3-Dichloropropene			50.0	54.1		ug/L		108	70 - 130		
Trichloroethene			50.0	49.8		ug/L		100	70 - 130		
Trichlorofluoromethane			50.0	56.5		ug/L		113	70 - 130		
Vinyl chloride			50.0	51.7		ug/L		103	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*101*		*70 - 130*
Toluene-d8 (Surr)	*107*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: LCSD 490-194717/4
Matrix: Water
Analysis Batch: 194717

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			50.0	49.4		ug/L		99	70 - 130	5	20
1,1,1-Trichloroethane			50.0	47.8		ug/L		96	70 - 130	6	20
1,1,2,2-Tetrachloroethane			50.0	51.6		ug/L		103	70 - 130	0	20
1,1,2-Trichloroethane			50.0	53.4		ug/L		107	70 - 130	3	20
1,1-Dichloroethane			50.0	48.8		ug/L		98	70 - 130	5	20
1,1-Dichloroethene			50.0	47.4		ug/L		95	70 - 130	6	20
1,1-Dichloropropene			50.0	47.3		ug/L		95	70 - 130	6	20
1,2,3-Trichlorobenzene			50.0	51.3		ug/L		103	70 - 130	3	20
1,2,3-Trichloropropane			50.0	51.6		ug/L		103	70 - 130	0	20
1,2,4-Trichlorobenzene			50.0	51.2		ug/L		102	70 - 130	6	20
1,2,4-Trimethylbenzene			50.0	48.8		ug/L		98	70 - 130	4	20
1,2-Dibromo-3-Chloropropane			50.0	49.8		ug/L		100	70 - 130	0	20
1,2-Dichlorobenzene			50.0	51.3		ug/L		103	70 - 130	3	20
1,2-Dichloroethane			50.0	53.6		ug/L		107	70 - 130	2	20
1,2-Dichloropropane			50.0	48.8		ug/L		98	70 - 130	3	20
1,3,5-Trimethylbenzene			50.0	49.3		ug/L		99	70 - 130	5	20
1,3-Dichlorobenzene			50.0	49.4		ug/L		99	70 - 130	4	20

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

Lab Sample ID: LCSD 490-194717/4
Matrix: Water
Analysis Batch: 194717

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
1,3-Dichloropropane	50.0	56.0		ug/L		112	70 - 130	4	20
1,4-Dichlorobenzene	50.0	48.9		ug/L		98	70 - 130	3	20
1,4-Dioxane	1000	930		ug/L		93	70 - 130	7	20
2,2-Dichloropropane	50.0	48.0		ug/L		96	70 - 130	6	20
2-Butanone (MEK)	250	271		ug/L		108	70 - 130	1	20
2-Chlorotoluene	50.0	46.8		ug/L		94	70 - 130	4	20
2-Hexanone	250	296		ug/L		119	70 - 130	0	20
4-Chlorotoluene	50.0	50.1		ug/L		100	70 - 130	4	20
4-Isopropyltoluene	50.0	47.6		ug/L		95	70 - 130	5	20
4-Methyl-2-pentanone (MIBK)	250	305		ug/L		122	70 - 130	1	20
Acetone	250	277		ug/L		111	70 - 130	6	20
Benzene	50.0	48.1		ug/L		96	70 - 130	5	20
Bromobenzene	50.0	47.2		ug/L		94	70 - 130	4	20
Bromoform	50.0	52.4		ug/L		105	70 - 130	2	20
Bromomethane	50.0	51.7		ug/L		103	70 - 130	7	20
Carbon disulfide	50.0	48.1		ug/L		96	70 - 130	7	20
Carbon tetrachloride	50.0	47.8		ug/L		96	70 - 130	6	20
Chlorobenzene	50.0	48.3		ug/L		97	70 - 130	5	20
Chlorobromomethane	50.0	50.1		ug/L		100	70 - 130	5	20
Chlorodibromomethane	50.0	51.6		ug/L		103	70 - 130	2	20
Chloroethane	50.0	49.1		ug/L		98	70 - 130	6	20
Chloroform	50.0	48.0		ug/L		96	70 - 130	5	20
Chloromethane	50.0	47.7		ug/L		95	70 - 130	6	20
cis-1,2-Dichloroethene	50.0	49.9		ug/L		100	70 - 130	5	20
cis-1,3-Dichloropropene	50.0	53.5		ug/L		107	70 - 130	3	20
Dibromomethane	50.0	50.4		ug/L		101	70 - 130	2	20
Dichlorobromomethane	50.0	47.9		ug/L		96	70 - 130	4	20
Dichlorodifluoromethane	50.0	51.4		ug/L		103	70 - 130	6	20
Ethyl ether	50.0	52.6		ug/L		105	70 - 130	2	20
Ethylbenzene	50.0	48.6		ug/L		97	70 - 130	5	20
Ethylene Dibromide	50.0	53.7		ug/L		107	70 - 130	2	20
Hexachlorobutadiene	50.0	43.8		ug/L		88	70 - 130	5	20
Isopropyl ether	50.0	54.1		ug/L		108	70 - 130	3	20
Isopropylbenzene	50.0	48.6		ug/L		97	70 - 130	5	20
Methyl tert-butyl ether	50.0	52.2		ug/L		104	70 - 130	2	20
Methylene Chloride	50.0	50.7		ug/L		101	70 - 130	4	20
m-Xylene & p-Xylene	50.0	47.6		ug/L		95	70 - 130	7	20
Naphthalene	50.0	56.2		ug/L		112	70 - 130	1	20
n-Butylbenzene	50.0	50.4		ug/L		101	70 - 130	6	20
N-Propylbenzene	50.0	49.4		ug/L		99	70 - 130	5	20
o-Xylene	50.0	48.6		ug/L		97	70 - 130	5	20
sec-Butylbenzene	50.0	48.6		ug/L		97	70 - 130	4	20
Styrene	50.0	51.5		ug/L		103	70 - 130	4	20
Tert-amyl methyl ether	50.0	49.7		ug/L		99	70 - 130	2	20
Tert-butyl ethyl ether	50.0	50.8		ug/L		102	70 - 130	2	20
tert-Butylbenzene	50.0	46.6		ug/L		93	70 - 130	5	20
Tetrachloroethene	50.0	50.7		ug/L		101	70 - 130	5	20
Tetrahydrofuran	100	119		ug/L		119	70 - 130	2	20

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

Lab Sample ID: LCSD 490-194717/4
Matrix: Water
Analysis Batch: 194717

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
Toluene			50.0	53.4		ug/L		107	70 - 130	5	20
trans-1,2-Dichloroethene			50.0	49.4		ug/L		99	70 - 130	7	20
trans-1,3-Dichloropropene			50.0	52.6		ug/L		105	70 - 130	3	20
Trichloroethene			50.0	46.6		ug/L		93	70 - 130	7	20
Trichlorofluoromethane			50.0	53.0		ug/L		106	70 - 130	6	20
Vinyl chloride			50.0	48.7		ug/L		97	70 - 130	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*101*		*70 - 130*
Toluene-d8 (Surr)	*107*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: MB 490-194754/7
Matrix: Water
Analysis Batch: 194754

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			10/02/14 14:09	1
1,1,1-Trichloroethane	ND		1.0		ug/L			10/02/14 14:09	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			10/02/14 14:09	1
1,1,2-Trichloroethane	ND		1.0		ug/L			10/02/14 14:09	1
1,1-Dichloroethane	ND		1.0		ug/L			10/02/14 14:09	1
1,1-Dichloroethene	ND		1.0		ug/L			10/02/14 14:09	1
1,1-Dichloropropene	ND		1.0		ug/L			10/02/14 14:09	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			10/02/14 14:09	1
1,2,3-Trichloropropane	ND		1.0		ug/L			10/02/14 14:09	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			10/02/14 14:09	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			10/02/14 14:09	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			10/02/14 14:09	1
1,2-Dichlorobenzene	ND		1.0		ug/L			10/02/14 14:09	1
1,2-Dichloroethane	ND		1.0		ug/L			10/02/14 14:09	1
1,2-Dichloropropane	ND		1.0		ug/L			10/02/14 14:09	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			10/02/14 14:09	1
1,3-Dichlorobenzene	ND		1.0		ug/L			10/02/14 14:09	1
1,3-Dichloropropane	ND		1.0		ug/L			10/02/14 14:09	1
1,4-Dichlorobenzene	ND		1.0		ug/L			10/02/14 14:09	1
1,4-Dioxane	ND		200		ug/L			10/02/14 14:09	1
2,2-Dichloropropane	ND		1.0		ug/L			10/02/14 14:09	1
2-Butanone (MEK)	ND		50		ug/L			10/02/14 14:09	1
2-Chlorotoluene	ND		1.0		ug/L			10/02/14 14:09	1
2-Hexanone	ND		10		ug/L			10/02/14 14:09	1
4-Chlorotoluene	ND		1.0		ug/L			10/02/14 14:09	1
4-Isopropyltoluene	ND		1.0		ug/L			10/02/14 14:09	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			10/02/14 14:09	1
Acetone	ND		25		ug/L			10/02/14 14:09	1
Benzene	ND		1.0		ug/L			10/02/14 14:09	1
Bromobenzene	ND		1.0		ug/L			10/02/14 14:09	1

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

Lab Sample ID: MB 490-194754/7
Matrix: Water
Analysis Batch: 194754

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		1.0		ug/L			10/02/14 14:09	1
Bromomethane	ND		1.0		ug/L			10/02/14 14:09	1
Carbon disulfide	ND		1.0		ug/L			10/02/14 14:09	1
Carbon tetrachloride	ND		1.0		ug/L			10/02/14 14:09	1
Chlorobenzene	ND		1.0		ug/L			10/02/14 14:09	1
Chlorobromomethane	ND		1.0		ug/L			10/02/14 14:09	1
Chlorodibromomethane	ND		1.0		ug/L			10/02/14 14:09	1
Chloroethane	ND		1.0		ug/L			10/02/14 14:09	1
Chloroform	ND		1.0		ug/L			10/02/14 14:09	1
Chloromethane	ND		1.0		ug/L			10/02/14 14:09	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			10/02/14 14:09	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			10/02/14 14:09	1
Dibromomethane	ND		1.0		ug/L			10/02/14 14:09	1
Dichlorobromomethane	ND		1.0		ug/L			10/02/14 14:09	1
Dichlorodifluoromethane	ND		1.0		ug/L			10/02/14 14:09	1
Ethyl ether	ND		5.0		ug/L			10/02/14 14:09	1
Ethylbenzene	ND		1.0		ug/L			10/02/14 14:09	1
Ethylene Dibromide	ND		1.0		ug/L			10/02/14 14:09	1
Hexachlorobutadiene	ND		2.0		ug/L			10/02/14 14:09	1
Isopropyl ether	ND		2.0		ug/L			10/02/14 14:09	1
Isopropylbenzene	ND		1.0		ug/L			10/02/14 14:09	1
Methyl tert-butyl ether	ND		1.0		ug/L			10/02/14 14:09	1
Methylene Chloride	ND		5.0		ug/L			10/02/14 14:09	1
m-Xylene & p-Xylene	ND		2.0		ug/L			10/02/14 14:09	1
Naphthalene	ND		5.0		ug/L			10/02/14 14:09	1
n-Butylbenzene	ND		1.0		ug/L			10/02/14 14:09	1
N-Propylbenzene	ND		1.0		ug/L			10/02/14 14:09	1
o-Xylene	ND		1.0		ug/L			10/02/14 14:09	1
sec-Butylbenzene	ND		1.0		ug/L			10/02/14 14:09	1
Styrene	ND		1.0		ug/L			10/02/14 14:09	1
Tert-amyl methyl ether	ND		1.0		ug/L			10/02/14 14:09	1
Tert-butyl ethyl ether	ND		1.0		ug/L			10/02/14 14:09	1
tert-Butylbenzene	ND		1.0		ug/L			10/02/14 14:09	1
Tetrachloroethene	ND		1.0		ug/L			10/02/14 14:09	1
Tetrahydrofuran	ND		10		ug/L			10/02/14 14:09	1
Toluene	ND		1.0		ug/L			10/02/14 14:09	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			10/02/14 14:09	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			10/02/14 14:09	1
Trichloroethene	ND		1.0		ug/L			10/02/14 14:09	1
Trichlorofluoromethane	ND		1.0		ug/L			10/02/14 14:09	1
Vinyl chloride	ND		1.0		ug/L			10/02/14 14:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*10/02/14 14:09*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*10/02/14 14:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*		*10/02/14 14:09*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*10/02/14 14:09*	*1*

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

Lab Sample ID: LCS 490-194754/3
Matrix: Water
Analysis Batch: 194754

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	50.0	48.1		ug/L		96	70 - 130
1,1,1-Trichloroethane	50.0	54.6		ug/L		109	70 - 130
1,1,2,2-Tetrachloroethane	50.0	42.7		ug/L		85	70 - 130
1,1,2-Trichloroethane	50.0	45.5		ug/L		91	70 - 130
1,1-Dichloroethane	50.0	46.9		ug/L		94	70 - 130
1,1-Dichloroethene	50.0	53.0		ug/L		106	70 - 130
1,1-Dichloropropene	50.0	52.5		ug/L		105	70 - 130
1,2,3-Trichlorobenzene	50.0	47.9		ug/L		96	70 - 130
1,2,3-Trichloropropane	50.0	45.0		ug/L		90	70 - 130
1,2,4-Trichlorobenzene	50.0	47.5		ug/L		95	70 - 130
1,2,4-Trimethylbenzene	50.0	45.4		ug/L		91	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	47.9		ug/L		96	70 - 130
1,2-Dichlorobenzene	50.0	45.0		ug/L		90	70 - 130
1,2-Dichloroethane	50.0	53.9		ug/L		108	70 - 130
1,2-Dichloropropane	50.0	43.9		ug/L		88	70 - 130
1,3,5-Trimethylbenzene	50.0	45.7		ug/L		91	70 - 130
1,3-Dichlorobenzene	50.0	45.6		ug/L		91	70 - 130
1,3-Dichloropropane	50.0	47.5		ug/L		95	70 - 130
1,4-Dichlorobenzene	50.0	42.9		ug/L		86	70 - 130
1,4-Dioxane	1000	1390	*	ug/L		139	70 - 130
2,2-Dichloropropane	50.0	53.8		ug/L		108	70 - 130
2-Butanone (MEK)	250	257		ug/L		103	70 - 130
2-Chlorotoluene	50.0	45.9		ug/L		92	70 - 130
2-Hexanone	250	219		ug/L		88	70 - 130
4-Chlorotoluene	50.0	46.4		ug/L		93	70 - 130
4-Isopropyltoluene	50.0	46.4		ug/L		93	70 - 130
4-Methyl-2-pentanone (MIBK)	250	225		ug/L		90	70 - 130
Acetone	250	243		ug/L		97	70 - 130
Benzene	50.0	46.9		ug/L		94	70 - 130
Bromobenzene	50.0	44.0		ug/L		88	70 - 130
Bromoform	50.0	48.2		ug/L		96	70 - 130
Bromomethane	50.0	50.4		ug/L		101	70 - 130
Carbon disulfide	50.0	48.8		ug/L		98	70 - 130
Carbon tetrachloride	50.0	55.8		ug/L		112	70 - 130
Chlorobenzene	50.0	46.4		ug/L		93	70 - 130
Chlorobromomethane	50.0	50.2		ug/L		100	70 - 130
Chlorodibromomethane	50.0	47.9		ug/L		96	70 - 130
Chloroethane	50.0	47.7		ug/L		95	70 - 130
Chloroform	50.0	51.3		ug/L		103	70 - 130
Chloromethane	50.0	41.8		ug/L		84	70 - 130
cis-1,2-Dichloroethene	50.0	48.1		ug/L		96	70 - 130
cis-1,3-Dichloropropene	50.0	47.5		ug/L		95	70 - 130
Dibromomethane	50.0	47.1		ug/L		94	70 - 130
Dichlorobromomethane	50.0	49.6		ug/L		99	70 - 130
Dichlorodifluoromethane	50.0	58.2		ug/L		116	70 - 130
Ethyl ether	50.0	43.4		ug/L		87	70 - 130
Ethylbenzene	50.0	46.4		ug/L		93	70 - 130
Ethylene Dibromide	50.0	44.7		ug/L		89	70 - 130

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

Lab Sample ID: LCS 490-194754/3
Matrix: Water
Analysis Batch: 194754

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorobutadiene	50.0	48.6		ug/L		97	70 - 130
Isopropyl ether	50.0	44.2		ug/L		88	70 - 130
Isopropylbenzene	50.0	47.4		ug/L		95	70 - 130
Methyl tert-butyl ether	50.0	52.3		ug/L		105	70 - 130
Methylene Chloride	50.0	45.1		ug/L		90	70 - 130
m-Xylene & p-Xylene	50.0	46.0		ug/L		92	70 - 130
Naphthalene	50.0	47.6		ug/L		95	70 - 130
n-Butylbenzene	50.0	44.7		ug/L		89	70 - 130
N-Propylbenzene	50.0	47.0		ug/L		94	70 - 130
o-Xylene	50.0	44.5		ug/L		89	70 - 130
sec-Butylbenzene	50.0	46.4		ug/L		93	70 - 130
Styrene	50.0	44.3		ug/L		89	70 - 130
Tert-amyl methyl ether	50.0	47.7		ug/L		95	70 - 130
Tert-butyl ethyl ether	50.0	48.6		ug/L		97	70 - 130
tert-Butylbenzene	50.0	48.3		ug/L		97	70 - 130
Tetrachloroethene	50.0	49.1		ug/L		98	70 - 130
Tetrahydrofuran	100	91.0		ug/L		91	70 - 130
Toluene	50.0	46.1		ug/L		92	70 - 130
trans-1,2-Dichloroethene	50.0	47.9		ug/L		96	70 - 130
trans-1,3-Dichloropropene	50.0	48.0		ug/L		96	70 - 130
Trichloroethene	50.0	48.3		ug/L		97	70 - 130
Trichlorofluoromethane	50.0	60.2		ug/L		120	70 - 130
Vinyl chloride	50.0	48.3		ug/L		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*97*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*124*		*70 - 130*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: LCSD 490-194754/4
Matrix: Water
Analysis Batch: 194754

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	50.0	47.6		ug/L		95	70 - 130	1	20
1,1,1-Trichloroethane	50.0	54.2		ug/L		108	70 - 130	1	20
1,1,2,2-Tetrachloroethane	50.0	44.7		ug/L		89	70 - 130	4	20
1,1,2-Trichloroethane	50.0	44.9		ug/L		90	70 - 130	1	20
1,1-Dichloroethane	50.0	47.4		ug/L		95	70 - 130	1	20
1,1-Dichloroethene	50.0	49.2		ug/L		98	70 - 130	7	20
1,1-Dichloropropene	50.0	51.7		ug/L		103	70 - 130	2	20
1,2,3-Trichlorobenzene	50.0	50.5		ug/L		101	70 - 130	5	20
1,2,3-Trichloropropane	50.0	48.7		ug/L		97	70 - 130	8	20
1,2,4-Trichlorobenzene	50.0	50.1		ug/L		100	70 - 130	5	20
1,2,4-Trimethylbenzene	50.0	44.7		ug/L		89	70 - 130	2	20
1,2-Dibromo-3-Chloropropane	50.0	51.0		ug/L		102	70 - 130	6	20
1,2-Dichlorobenzene	50.0	46.1		ug/L		92	70 - 130	2	20

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

Lab Sample ID: LCSD 490-194754/4
Matrix: Water
Analysis Batch: 194754

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloroethane	50.0	55.3		ug/L		111	70 - 130	3	20
1,2-Dichloropropane	50.0	43.8		ug/L		88	70 - 130	0	20
1,3,5-Trimethylbenzene	50.0	45.3		ug/L		91	70 - 130	1	20
1,3-Dichlorobenzene	50.0	46.2		ug/L		92	70 - 130	1	20
1,3-Dichloropropane	50.0	47.9		ug/L		96	70 - 130	1	20
1,4-Dichlorobenzene	50.0	43.6		ug/L		87	70 - 130	2	20
1,4-Dioxane	1000	1320	*	ug/L		132	70 - 130	5	20
2,2-Dichloropropane	50.0	53.5		ug/L		107	70 - 130	0	20
2-Butanone (MEK)	250	252		ug/L		101	70 - 130	2	20
2-Chlorotoluene	50.0	46.3		ug/L		93	70 - 130	1	20
2-Hexanone	250	219		ug/L		88	70 - 130	0	20
4-Chlorotoluene	50.0	46.3		ug/L		93	70 - 130	0	20
4-Isopropyltoluene	50.0	46.4		ug/L		93	70 - 130	0	20
4-Methyl-2-pentanone (MIBK)	250	227		ug/L		91	70 - 130	1	20
Acetone	250	231		ug/L		92	70 - 130	5	20
Benzene	50.0	45.8		ug/L		92	70 - 130	3	20
Bromobenzene	50.0	44.2		ug/L		88	70 - 130	0	20
Bromoform	50.0	51.3		ug/L		103	70 - 130	6	20
Bromomethane	50.0	52.1		ug/L		104	70 - 130	3	20
Carbon disulfide	50.0	47.6		ug/L		95	70 - 130	2	20
Carbon tetrachloride	50.0	55.9		ug/L		112	70 - 130	0	20
Chlorobenzene	50.0	45.8		ug/L		92	70 - 130	1	20
Chlorobromomethane	50.0	49.5		ug/L		99	70 - 130	1	20
Chlorodibromomethane	50.0	48.8		ug/L		98	70 - 130	2	20
Chloroethane	50.0	44.9		ug/L		90	70 - 130	6	20
Chloroform	50.0	52.5		ug/L		105	70 - 130	2	20
Chloromethane	50.0	42.7		ug/L		85	70 - 130	2	20
cis-1,2-Dichloroethene	50.0	48.3		ug/L		97	70 - 130	0	20
cis-1,3-Dichloropropene	50.0	47.6		ug/L		95	70 - 130	0	20
Dibromomethane	50.0	47.8		ug/L		96	70 - 130	1	20
Dichlorobromomethane	50.0	50.2		ug/L		100	70 - 130	1	20
Dichlorodifluoromethane	50.0	56.6		ug/L		113	70 - 130	3	20
Ethyl ether	50.0	42.6		ug/L		85	70 - 130	2	20
Ethylbenzene	50.0	46.1		ug/L		92	70 - 130	1	20
Ethylene Dibromide	50.0	45.9		ug/L		92	70 - 130	3	20
Hexachlorobutadiene	50.0	49.9		ug/L		100	70 - 130	3	20
Isopropyl ether	50.0	43.7		ug/L		87	70 - 130	1	20
Isopropylbenzene	50.0	47.0		ug/L		94	70 - 130	1	20
Methyl tert-butyl ether	50.0	51.5		ug/L		103	70 - 130	1	20
Methylene Chloride	50.0	43.8		ug/L		88	70 - 130	3	20
m-Xylene & p-Xylene	50.0	46.0		ug/L		92	70 - 130	0	20
Naphthalene	50.0	50.3		ug/L		101	70 - 130	6	20
n-Butylbenzene	50.0	45.0		ug/L		90	70 - 130	1	20
N-Propylbenzene	50.0	46.4		ug/L		93	70 - 130	1	20
o-Xylene	50.0	44.4		ug/L		89	70 - 130	0	20
sec-Butylbenzene	50.0	46.4		ug/L		93	70 - 130	0	20
Styrene	50.0	44.3		ug/L		89	70 - 130	0	20
Tert-amyl methyl ether	50.0	48.6		ug/L		97	70 - 130	2	20

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

Lab Sample ID: LCSD 490-194754/4
Matrix: Water
Analysis Batch: 194754

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
Tert-butyl ethyl ether			50.0	48.8		ug/L		98	70 - 130	1	20
tert-Butylbenzene			50.0	48.2		ug/L		96	70 - 130	0	20
Tetrachloroethene			50.0	48.7		ug/L		97	70 - 130	1	20
Tetrahydrofuran			100	103		ug/L		103	70 - 130	12	20
Toluene			50.0	44.9		ug/L		90	70 - 130	3	20
trans-1,2-Dichloroethene			50.0	47.9		ug/L		96	70 - 130	0	20
trans-1,3-Dichloropropene			50.0	48.7		ug/L		97	70 - 130	2	20
Trichloroethene			50.0	48.3		ug/L		97	70 - 130	0	20
Trichlorofluoromethane			50.0	60.8		ug/L		122	70 - 130	1	20
Vinyl chloride			50.0	47.3		ug/L		95	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*103*		*70 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*116*		*70 - 130*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: MB 490-194871/7
Matrix: Water
Analysis Batch: 194871

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			10/03/14 02:13	1
1,1,1-Trichloroethane	ND		1.0		ug/L			10/03/14 02:13	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			10/03/14 02:13	1
1,1,2-Trichloroethane	ND		1.0		ug/L			10/03/14 02:13	1
1,1-Dichloroethane	ND		1.0		ug/L			10/03/14 02:13	1
1,1-Dichloroethene	ND		1.0		ug/L			10/03/14 02:13	1
1,1-Dichloropropene	ND		1.0		ug/L			10/03/14 02:13	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			10/03/14 02:13	1
1,2,3-Trichloropropane	ND		1.0		ug/L			10/03/14 02:13	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			10/03/14 02:13	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			10/03/14 02:13	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			10/03/14 02:13	1
1,2-Dichlorobenzene	ND		1.0		ug/L			10/03/14 02:13	1
1,2-Dichloroethane	ND		1.0		ug/L			10/03/14 02:13	1
1,2-Dichloropropane	ND		1.0		ug/L			10/03/14 02:13	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			10/03/14 02:13	1
1,3-Dichlorobenzene	ND		1.0		ug/L			10/03/14 02:13	1
1,3-Dichloropropane	ND		1.0		ug/L			10/03/14 02:13	1
1,4-Dichlorobenzene	ND		1.0		ug/L			10/03/14 02:13	1
1,4-Dioxane	ND		200		ug/L			10/03/14 02:13	1
2,2-Dichloropropane	ND		1.0		ug/L			10/03/14 02:13	1
2-Butanone (MEK)	ND		50		ug/L			10/03/14 02:13	1
2-Chlorotoluene	ND		1.0		ug/L			10/03/14 02:13	1
2-Hexanone	ND		10		ug/L			10/03/14 02:13	1
4-Chlorotoluene	ND		1.0		ug/L			10/03/14 02:13	1
4-Isopropyltoluene	ND		1.0		ug/L			10/03/14 02:13	1

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

Lab Sample ID: MB 490-194871/7
Matrix: Water
Analysis Batch: 194871

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			10/03/14 02:13	1
Acetone	ND		25		ug/L			10/03/14 02:13	1
Benzene	ND		1.0		ug/L			10/03/14 02:13	1
Bromobenzene	ND		1.0		ug/L			10/03/14 02:13	1
Bromoform	ND		1.0		ug/L			10/03/14 02:13	1
Bromomethane	ND		1.0		ug/L			10/03/14 02:13	1
Carbon disulfide	ND		1.0		ug/L			10/03/14 02:13	1
Carbon tetrachloride	ND		1.0		ug/L			10/03/14 02:13	1
Chlorobenzene	ND		1.0		ug/L			10/03/14 02:13	1
Chlorobromomethane	ND		1.0		ug/L			10/03/14 02:13	1
Chlorodibromomethane	ND		1.0		ug/L			10/03/14 02:13	1
Chloroethane	ND		1.0		ug/L			10/03/14 02:13	1
Chloroform	ND		1.0		ug/L			10/03/14 02:13	1
Chloromethane	ND		1.0		ug/L			10/03/14 02:13	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			10/03/14 02:13	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			10/03/14 02:13	1
Dibromomethane	ND		1.0		ug/L			10/03/14 02:13	1
Dichlorobromomethane	ND		1.0		ug/L			10/03/14 02:13	1
Dichlorodifluoromethane	ND		1.0		ug/L			10/03/14 02:13	1
Ethyl ether	ND		5.0		ug/L			10/03/14 02:13	1
Ethylbenzene	ND		1.0		ug/L			10/03/14 02:13	1
Ethylene Dibromide	ND		1.0		ug/L			10/03/14 02:13	1
Hexachlorobutadiene	ND		2.0		ug/L			10/03/14 02:13	1
Isopropyl ether	ND		2.0		ug/L			10/03/14 02:13	1
Isopropylbenzene	ND		1.0		ug/L			10/03/14 02:13	1
Methyl tert-butyl ether	ND		1.0		ug/L			10/03/14 02:13	1
Methylene Chloride	ND		5.0		ug/L			10/03/14 02:13	1
m-Xylene & p-Xylene	ND		2.0		ug/L			10/03/14 02:13	1
Naphthalene	ND		5.0		ug/L			10/03/14 02:13	1
n-Butylbenzene	ND		1.0		ug/L			10/03/14 02:13	1
N-Propylbenzene	ND		1.0		ug/L			10/03/14 02:13	1
o-Xylene	ND		1.0		ug/L			10/03/14 02:13	1
sec-Butylbenzene	ND		1.0		ug/L			10/03/14 02:13	1
Styrene	ND		1.0		ug/L			10/03/14 02:13	1
Tert-amyl methyl ether	ND		1.0		ug/L			10/03/14 02:13	1
Tert-butyl ethyl ether	ND		1.0		ug/L			10/03/14 02:13	1
tert-Butylbenzene	ND		1.0		ug/L			10/03/14 02:13	1
Tetrachloroethene	ND		1.0		ug/L			10/03/14 02:13	1
Tetrahydrofuran	ND		10		ug/L			10/03/14 02:13	1
Toluene	ND		1.0		ug/L			10/03/14 02:13	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			10/03/14 02:13	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			10/03/14 02:13	1
Trichloroethene	ND		1.0		ug/L			10/03/14 02:13	1
Trichlorofluoromethane	ND		1.0		ug/L			10/03/14 02:13	1
Vinyl chloride	ND		1.0		ug/L			10/03/14 02:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*10/03/14 02:13*	*1*

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

Lab Sample ID: MB 490-194871/7
Matrix: Water
Analysis Batch: 194871

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	114		70 - 130		10/03/14 02:13	1
1,2-Dichloroethane-d4 (Surr)	113		70 - 130		10/03/14 02:13	1
4-Bromofluorobenzene (Surr)	94		70 - 130		10/03/14 02:13	1

Lab Sample ID: LCS 490-194871/3
Matrix: Water
Analysis Batch: 194871

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	50.0	52.0		ug/L		104	70 - 130
1,1,1-Trichloroethane	50.0	50.1		ug/L		100	70 - 130
1,1,2,2-Tetrachloroethane	50.0	51.7		ug/L		103	70 - 130
1,1,2-Trichloroethane	50.0	56.5		ug/L		113	70 - 130
1,1-Dichloroethane	50.0	50.4		ug/L		101	70 - 130
1,1-Dichloroethene	50.0	49.6		ug/L		99	70 - 130
1,1-Dichloropropene	50.0	49.2		ug/L		98	70 - 130
1,2,3-Trichlorobenzene	50.0	54.7		ug/L		109	70 - 130
1,2,3-Trichloropropane	50.0	53.1		ug/L		106	70 - 130
1,2,4-Trichlorobenzene	50.0	53.4		ug/L		107	70 - 130
1,2,4-Trimethylbenzene	50.0	50.7		ug/L		101	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	51.1		ug/L		102	70 - 130
1,2-Dichlorobenzene	50.0	52.3		ug/L		105	70 - 130
1,2-Dichloroethane	50.0	55.6		ug/L		111	70 - 130
1,2-Dichloropropane	50.0	50.5		ug/L		101	70 - 130
1,3,5-Trimethylbenzene	50.0	51.2		ug/L		102	70 - 130
1,3-Dichlorobenzene	50.0	51.1		ug/L		102	70 - 130
1,3-Dichloropropane	50.0	59.7		ug/L		119	70 - 130
1,4-Dichlorobenzene	50.0	50.4		ug/L		101	70 - 130
1,4-Dioxane	1000	1030		ug/L		103	70 - 130
2,2-Dichloropropane	50.0	44.5		ug/L		89	70 - 130
2-Butanone (MEK)	250	283		ug/L		113	70 - 130
2-Chlorotoluene	50.0	48.4		ug/L		97	70 - 130
2-Hexanone	250	314		ug/L		126	70 - 130
4-Chlorotoluene	50.0	52.6		ug/L		105	70 - 130
4-Isopropyltoluene	50.0	49.4		ug/L		99	70 - 130
4-Methyl-2-pentanone (MIBK)	250	326		ug/L		130	70 - 130
Acetone	250	283		ug/L		113	70 - 130
Benzene	50.0	49.7		ug/L		99	70 - 130
Bromobenzene	50.0	49.6		ug/L		99	70 - 130
Bromoform	50.0	54.1		ug/L		108	70 - 130
Bromomethane	50.0	45.1		ug/L		90	70 - 130
Carbon disulfide	50.0	51.1		ug/L		102	70 - 130
Carbon tetrachloride	50.0	50.1		ug/L		100	70 - 130
Chlorobenzene	50.0	50.7		ug/L		101	70 - 130
Chlorobromomethane	50.0	52.1		ug/L		104	70 - 130
Chlorodibromomethane	50.0	54.4		ug/L		109	70 - 130
Chloroethane	50.0	51.8		ug/L		104	70 - 130
Chloroform	50.0	50.1		ug/L		100	70 - 130

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

Lab Sample ID: LCS 490-194871/3
Matrix: Water
Analysis Batch: 194871

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	50.0	50.0		ug/L		100	70 - 130
cis-1,2-Dichloroethene	50.0	50.7		ug/L		101	70 - 130
cis-1,3-Dichloropropene	50.0	55.3		ug/L		111	70 - 130
Dibromomethane	50.0	51.9		ug/L		104	70 - 130
Dichlorobromomethane	50.0	50.5		ug/L		101	70 - 130
Dichlorodifluoromethane	50.0	54.5		ug/L		109	70 - 130
Ethyl ether	50.0	54.6		ug/L		109	70 - 130
Ethylbenzene	50.0	51.1		ug/L		102	70 - 130
Ethylene Dibromide	50.0	56.7		ug/L		113	70 - 130
Hexachlorobutadiene	50.0	45.7		ug/L		91	70 - 130
Isopropyl ether	50.0	56.2		ug/L		112	70 - 130
Isopropylbenzene	50.0	51.3		ug/L		103	70 - 130
Methyl tert-butyl ether	50.0	53.8		ug/L		108	70 - 130
Methylene Chloride	50.0	51.7		ug/L		103	70 - 130
m-Xylene & p-Xylene	50.0	50.2		ug/L		100	70 - 130
Naphthalene	50.0	58.0		ug/L		116	70 - 130
n-Butylbenzene	50.0	53.0		ug/L		106	70 - 130
N-Propylbenzene	50.0	51.3		ug/L		103	70 - 130
o-Xylene	50.0	51.3		ug/L		103	70 - 130
sec-Butylbenzene	50.0	50.5		ug/L		101	70 - 130
Styrene	50.0	53.9		ug/L		108	70 - 130
Tert-amyl methyl ether	50.0	50.8		ug/L		102	70 - 130
Tert-butyl ethyl ether	50.0	52.4		ug/L		105	70 - 130
tert-Butylbenzene	50.0	48.8		ug/L		98	70 - 130
Tetrachloroethene	50.0	53.2		ug/L		106	70 - 130
Tetrahydrofuran	100	124		ug/L		124	70 - 130
Toluene	50.0	56.4		ug/L		113	70 - 130
trans-1,2-Dichloroethene	50.0	51.7		ug/L		103	70 - 130
trans-1,3-Dichloropropene	50.0	55.2		ug/L		110	70 - 130
Trichloroethene	50.0	49.8		ug/L		100	70 - 130
Trichlorofluoromethane	50.0	53.6		ug/L		107	70 - 130
Vinyl chloride	50.0	50.9		ug/L		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*112*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: LCSD 490-194871/4
Matrix: Water
Analysis Batch: 194871

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	50.0	52.0		ug/L		104	70 - 130	0	20
1,1,1-Trichloroethane	50.0	51.6		ug/L		103	70 - 130	3	20
1,1,2,2-Tetrachloroethane	50.0	49.6		ug/L		99	70 - 130	4	20
1,1,2-Trichloroethane	50.0	56.1		ug/L		112	70 - 130	1	20

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

Lab Sample ID: LCSD 490-194871/4
Matrix: Water
Analysis Batch: 194871

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-Dichloroethane	50.0	52.0		ug/L		104	70 - 130	3	20
1,1-Dichloroethene	50.0	51.3		ug/L		103	70 - 130	3	20
1,1-Dichloropropene	50.0	50.7		ug/L		101	70 - 130	3	20
1,2,3-Trichlorobenzene	50.0	55.2		ug/L		110	70 - 130	1	20
1,2,3-Trichloropropane	50.0	54.5		ug/L		109	70 - 130	3	20
1,2,4-Trichlorobenzene	50.0	54.1		ug/L		108	70 - 130	1	20
1,2,4-Trimethylbenzene	50.0	51.9		ug/L		104	70 - 130	2	20
1,2-Dibromo-3-Chloropropane	50.0	53.3		ug/L		107	70 - 130	4	20
1,2-Dichlorobenzene	50.0	53.8		ug/L		108	70 - 130	3	20
1,2-Dichloroethane	50.0	56.9		ug/L		114	70 - 130	2	20
1,2-Dichloropropane	50.0	51.5		ug/L		103	70 - 130	2	20
1,3,5-Trimethylbenzene	50.0	52.4		ug/L		105	70 - 130	2	20
1,3-Dichlorobenzene	50.0	52.4		ug/L		105	70 - 130	3	20
1,3-Dichloropropane	50.0	59.8		ug/L		120	70 - 130	0	20
1,4-Dichlorobenzene	50.0	51.8		ug/L		104	70 - 130	3	20
1,4-Dioxane	1000	1040		ug/L		104	70 - 130	1	20
2,2-Dichloropropane	50.0	44.6		ug/L		89	70 - 130	0	20
2-Butanone (MEK)	250	281		ug/L		112	70 - 130	1	20
2-Chlorotoluene	50.0	49.8		ug/L		100	70 - 130	3	20
2-Hexanone	250	314		ug/L		126	70 - 130	0	20
4-Chlorotoluene	50.0	53.4		ug/L		107	70 - 130	2	20
4-Isopropyltoluene	50.0	50.5		ug/L		101	70 - 130	2	20
4-Methyl-2-pentanone (MIBK)	250	321		ug/L		128	70 - 130	1	20
Acetone	250	281		ug/L		112	70 - 130	1	20
Benzene	50.0	51.3		ug/L		103	70 - 130	3	20
Bromobenzene	50.0	50.4		ug/L		101	70 - 130	2	20
Bromoform	50.0	54.1		ug/L		108	70 - 130	0	20
Bromomethane	50.0	50.7		ug/L		101	70 - 130	12	20
Carbon disulfide	50.0	52.3		ug/L		105	70 - 130	2	20
Carbon tetrachloride	50.0	51.0		ug/L		102	70 - 130	2	20
Chlorobenzene	50.0	51.3		ug/L		103	70 - 130	1	20
Chlorobromomethane	50.0	52.8		ug/L		106	70 - 130	1	20
Chlorodibromomethane	50.0	54.2		ug/L		108	70 - 130	0	20
Chloroethane	50.0	52.4		ug/L		105	70 - 130	1	20
Chloroform	50.0	51.8		ug/L		104	70 - 130	3	20
Chloromethane	50.0	50.7		ug/L		101	70 - 130	1	20
cis-1,2-Dichloroethene	50.0	52.1		ug/L		104	70 - 130	3	20
cis-1,3-Dichloropropene	50.0	55.4		ug/L		111	70 - 130	0	20
Dibromomethane	50.0	52.5		ug/L		105	70 - 130	1	20
Dichlorobromomethane	50.0	51.5		ug/L		103	70 - 130	2	20
Dichlorodifluoromethane	50.0	56.8		ug/L		114	70 - 130	4	20
Ethyl ether	50.0	55.2		ug/L		110	70 - 130	1	20
Ethylbenzene	50.0	51.9		ug/L		104	70 - 130	2	20
Ethylene Dibromide	50.0	56.5		ug/L		113	70 - 130	0	20
Hexachlorobutadiene	50.0	46.7		ug/L		93	70 - 130	2	20
Isopropyl ether	50.0	57.0		ug/L		114	70 - 130	1	20
Isopropylbenzene	50.0	52.2		ug/L		104	70 - 130	2	20
Methyl tert-butyl ether	50.0	54.7		ug/L		109	70 - 130	2	20

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

Lab Sample ID: LCSD 490-194871/4
Matrix: Water
Analysis Batch: 194871

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
Methylene Chloride			50.0	53.4		ug/L		107	70 - 130	3	20
m-Xylene & p-Xylene			50.0	51.5		ug/L		103	70 - 130	3	20
Naphthalene			50.0	58.6		ug/L		117	70 - 130	1	20
n-Butylbenzene			50.0	54.5		ug/L		109	70 - 130	3	20
N-Propylbenzene			50.0	52.7		ug/L		105	70 - 130	3	20
o-Xylene			50.0	52.3		ug/L		105	70 - 130	2	20
sec-Butylbenzene			50.0	51.6		ug/L		103	70 - 130	2	20
Styrene			50.0	54.7		ug/L		109	70 - 130	2	20
Tert-amyl methyl ether			50.0	51.9		ug/L		104	70 - 130	2	20
Tert-butyl ethyl ether			50.0	53.2		ug/L		106	70 - 130	2	20
tert-Butylbenzene			50.0	49.8		ug/L		100	70 - 130	2	20
Tetrachloroethene			50.0	54.5		ug/L		109	70 - 130	2	20
Tetrahydrofuran			100	126		ug/L		126	70 - 130	1	20
Toluene			50.0	57.0		ug/L		114	70 - 130	1	20
trans-1,2-Dichloroethene			50.0	53.0		ug/L		106	70 - 130	3	20
trans-1,3-Dichloropropene			50.0	54.9		ug/L		110	70 - 130	1	20
Trichloroethene			50.0	53.0		ug/L		106	70 - 130	6	20
Trichlorofluoromethane			50.0	55.3		ug/L		111	70 - 130	3	20
Vinyl chloride			50.0	52.0		ug/L		104	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*102*		*70 - 130*
Toluene-d8 (Surr)	*109*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: MB 490-194946/7
Matrix: Water
Analysis Batch: 194946

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			10/03/14 01:58	1
1,1,1-Trichloroethane	ND		1.0		ug/L			10/03/14 01:58	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			10/03/14 01:58	1
1,1,2-Trichloroethane	ND		1.0		ug/L			10/03/14 01:58	1
1,1-Dichloroethane	ND		1.0		ug/L			10/03/14 01:58	1
1,1-Dichloroethene	ND		1.0		ug/L			10/03/14 01:58	1
1,1-Dichloropropene	ND		1.0		ug/L			10/03/14 01:58	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			10/03/14 01:58	1
1,2,3-Trichloropropane	ND		1.0		ug/L			10/03/14 01:58	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			10/03/14 01:58	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			10/03/14 01:58	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			10/03/14 01:58	1
1,2-Dichlorobenzene	ND		1.0		ug/L			10/03/14 01:58	1
1,2-Dichloroethane	ND		1.0		ug/L			10/03/14 01:58	1
1,2-Dichloropropane	ND		1.0		ug/L			10/03/14 01:58	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			10/03/14 01:58	1
1,3-Dichlorobenzene	ND		1.0		ug/L			10/03/14 01:58	1

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

Lab Sample ID: MB 490-194946/7
Matrix: Water
Analysis Batch: 194946

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	ND		1.0		ug/L			10/03/14 01:58	1
1,4-Dichlorobenzene	ND		1.0		ug/L			10/03/14 01:58	1
1,4-Dioxane	ND		200		ug/L			10/03/14 01:58	1
2,2-Dichloropropane	ND		1.0		ug/L			10/03/14 01:58	1
2-Butanone (MEK)	ND		50		ug/L			10/03/14 01:58	1
2-Chlorotoluene	ND		1.0		ug/L			10/03/14 01:58	1
2-Hexanone	ND		10		ug/L			10/03/14 01:58	1
4-Chlorotoluene	ND		1.0		ug/L			10/03/14 01:58	1
4-Isopropyltoluene	ND		1.0		ug/L			10/03/14 01:58	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			10/03/14 01:58	1
Acetone	ND		25		ug/L			10/03/14 01:58	1
Benzene	ND		1.0		ug/L			10/03/14 01:58	1
Bromobenzene	ND		1.0		ug/L			10/03/14 01:58	1
Bromoform	ND		1.0		ug/L			10/03/14 01:58	1
Bromomethane	ND		1.0		ug/L			10/03/14 01:58	1
Carbon disulfide	ND		1.0		ug/L			10/03/14 01:58	1
Carbon tetrachloride	ND		1.0		ug/L			10/03/14 01:58	1
Chlorobenzene	ND		1.0		ug/L			10/03/14 01:58	1
Chlorobromomethane	ND		1.0		ug/L			10/03/14 01:58	1
Chlorodibromomethane	ND		1.0		ug/L			10/03/14 01:58	1
Chloroethane	ND		1.0		ug/L			10/03/14 01:58	1
Chloroform	ND		1.0		ug/L			10/03/14 01:58	1
Chloromethane	ND		1.0		ug/L			10/03/14 01:58	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			10/03/14 01:58	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			10/03/14 01:58	1
Dibromomethane	ND		1.0		ug/L			10/03/14 01:58	1
Dichlorobromomethane	ND		1.0		ug/L			10/03/14 01:58	1
Dichlorodifluoromethane	ND		1.0		ug/L			10/03/14 01:58	1
Ethyl ether	ND		5.0		ug/L			10/03/14 01:58	1
Ethylbenzene	ND		1.0		ug/L			10/03/14 01:58	1
Ethylene Dibromide	ND		1.0		ug/L			10/03/14 01:58	1
Hexachlorobutadiene	ND		2.0		ug/L			10/03/14 01:58	1
Isopropyl ether	ND		2.0		ug/L			10/03/14 01:58	1
Isopropylbenzene	ND		1.0		ug/L			10/03/14 01:58	1
Methyl tert-butyl ether	ND		1.0		ug/L			10/03/14 01:58	1
Methylene Chloride	ND		5.0		ug/L			10/03/14 01:58	1
m-Xylene & p-Xylene	ND		2.0		ug/L			10/03/14 01:58	1
Naphthalene	ND		5.0		ug/L			10/03/14 01:58	1
n-Butylbenzene	ND		1.0		ug/L			10/03/14 01:58	1
N-Propylbenzene	ND		1.0		ug/L			10/03/14 01:58	1
o-Xylene	ND		1.0		ug/L			10/03/14 01:58	1
sec-Butylbenzene	ND		1.0		ug/L			10/03/14 01:58	1
Styrene	ND		1.0		ug/L			10/03/14 01:58	1
Tert-amyl methyl ether	ND		1.0		ug/L			10/03/14 01:58	1
Tert-butyl ethyl ether	ND		1.0		ug/L			10/03/14 01:58	1
tert-Butylbenzene	ND		1.0		ug/L			10/03/14 01:58	1
Tetrachloroethene	ND		1.0		ug/L			10/03/14 01:58	1
Tetrahydrofuran	ND		10		ug/L			10/03/14 01:58	1

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

Lab Sample ID: MB 490-194946/7
Matrix: Water
Analysis Batch: 194946

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0		ug/L			10/03/14 01:58	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			10/03/14 01:58	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			10/03/14 01:58	1
Trichloroethene	ND		1.0		ug/L			10/03/14 01:58	1
Trichlorofluoromethane	ND		1.0		ug/L			10/03/14 01:58	1
Vinyl chloride	ND		1.0		ug/L			10/03/14 01:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*10/03/14 01:58*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*10/03/14 01:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*10/03/14 01:58*	*1*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*10/03/14 01:58*	*1*

Lab Sample ID: LCS 490-194946/3
Matrix: Water
Analysis Batch: 194946

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	50.0	48.6		ug/L		97	70 - 130
1,1,1-Trichloroethane	50.0	53.6		ug/L		107	70 - 130
1,1,2,2-Tetrachloroethane	50.0	44.9		ug/L		90	70 - 130
1,1,2-Trichloroethane	50.0	44.7		ug/L		89	70 - 130
1,1-Dichloroethane	50.0	46.9		ug/L		94	70 - 130
1,1-Dichloroethene	50.0	49.6		ug/L		99	70 - 130
1,1-Dichloropropene	50.0	48.6		ug/L		97	70 - 130
1,2,3-Trichlorobenzene	50.0	52.2		ug/L		104	70 - 130
1,2,3-Trichloropropane	50.0	49.0		ug/L		98	70 - 130
1,2,4-Trichlorobenzene	50.0	51.6		ug/L		103	70 - 130
1,2,4-Trimethylbenzene	50.0	46.7		ug/L		93	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	51.9		ug/L		104	70 - 130
1,2-Dichlorobenzene	50.0	47.9		ug/L		96	70 - 130
1,2-Dichloroethane	50.0	55.1		ug/L		110	70 - 130
1,2-Dichloropropane	50.0	41.7		ug/L		83	70 - 130
1,3,5-Trimethylbenzene	50.0	47.0		ug/L		94	70 - 130
1,3-Dichlorobenzene	50.0	48.1		ug/L		96	70 - 130
1,3-Dichloropropane	50.0	45.5		ug/L		91	70 - 130
1,4-Dichlorobenzene	50.0	45.3		ug/L		91	70 - 130
1,4-Dioxane	1000	1240		ug/L		124	70 - 130
2,2-Dichloropropane	50.0	49.4		ug/L		99	70 - 130
2-Butanone (MEK)	250	230		ug/L		92	70 - 130
2-Chlorotoluene	50.0	47.4		ug/L		95	70 - 130
2-Hexanone	250	207		ug/L		83	70 - 130
4-Chlorotoluene	50.0	47.8		ug/L		96	70 - 130
4-Isopropyltoluene	50.0	47.8		ug/L		96	70 - 130
4-Methyl-2-pentanone (MIBK)	250	209		ug/L		84	70 - 130
Acetone	250	219		ug/L		88	70 - 130
Benzene	50.0	43.9		ug/L		88	70 - 130
Bromobenzene	50.0	45.2		ug/L		90	70 - 130

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

Lab Sample ID: LCS 490-194946/3
Matrix: Water
Analysis Batch: 194946

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	50.0	50.7		ug/L		101	70 - 130
Bromomethane	50.0	50.3		ug/L		101	70 - 130
Carbon disulfide	50.0	45.8		ug/L		92	70 - 130
Carbon tetrachloride	50.0	53.5		ug/L		107	70 - 130
Chlorobenzene	50.0	47.5		ug/L		95	70 - 130
Chlorobromomethane	50.0	48.0		ug/L		96	70 - 130
Chlorodibromomethane	50.0	47.9		ug/L		96	70 - 130
Chloroethane	50.0	42.6		ug/L		85	70 - 130
Chloroform	50.0	51.9		ug/L		104	70 - 130
Chloromethane	50.0	38.7		ug/L		77	70 - 130
cis-1,2-Dichloroethene	50.0	46.2		ug/L		92	70 - 130
cis-1,3-Dichloropropene	50.0	45.8		ug/L		92	70 - 130
Dibromomethane	50.0	46.7		ug/L		93	70 - 130
Dichlorobromomethane	50.0	48.8		ug/L		98	70 - 130
Dichlorodifluoromethane	50.0	51.2		ug/L		102	70 - 130
Ethyl ether	50.0	40.9		ug/L		82	70 - 130
Ethylbenzene	50.0	46.9		ug/L		94	70 - 130
Ethylene Dibromide	50.0	45.2		ug/L		90	70 - 130
Hexachlorobutadiene	50.0	51.5		ug/L		103	70 - 130
Isopropyl ether	50.0	39.0		ug/L		78	70 - 130
Isopropylbenzene	50.0	48.5		ug/L		97	70 - 130
Methyl tert-butyl ether	50.0	45.5		ug/L		91	70 - 130
Methylene Chloride	50.0	41.8		ug/L		84	70 - 130
m-Xylene & p-Xylene	50.0	47.1		ug/L		94	70 - 130
Naphthalene	50.0	51.6		ug/L		103	70 - 130
n-Butylbenzene	50.0	46.2		ug/L		92	70 - 130
N-Propylbenzene	50.0	47.0		ug/L		94	70 - 130
o-Xylene	50.0	45.3		ug/L		91	70 - 130
sec-Butylbenzene	50.0	47.8		ug/L		96	70 - 130
Styrene	50.0	45.0		ug/L		90	70 - 130
Tert-amyl methyl ether	50.0	43.8		ug/L		88	70 - 130
Tert-butyl ethyl ether	50.0	43.7		ug/L		87	70 - 130
tert-Butylbenzene	50.0	49.6		ug/L		99	70 - 130
Tetrachloroethene	50.0	48.9		ug/L		98	70 - 130
Tetrahydrofuran	100	92.0		ug/L		92	70 - 130
Toluene	50.0	45.4		ug/L		91	70 - 130
trans-1,2-Dichloroethene	50.0	47.5		ug/L		95	70 - 130
trans-1,3-Dichloropropene	50.0	46.3		ug/L		93	70 - 130
Trichloroethene	50.0	46.2		ug/L		92	70 - 130
Trichlorofluoromethane	50.0	57.8		ug/L		116	70 - 130
Vinyl chloride	50.0	43.2		ug/L		86	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*116*		*70 - 130*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*

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

Lab Sample ID: LCSD 490-194946/4
Matrix: Water
Analysis Batch: 194946

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	50.0	46.7		ug/L		93	70 - 130	4	20
1,1,1-Trichloroethane	50.0	50.1		ug/L		100	70 - 130	7	20
1,1,2,2-Tetrachloroethane	50.0	42.9		ug/L		86	70 - 130	5	20
1,1,2-Trichloroethane	50.0	44.9		ug/L		90	70 - 130	0	20
1,1-Dichloroethane	50.0	44.0		ug/L		88	70 - 130	6	20
1,1-Dichloroethene	50.0	48.1		ug/L		96	70 - 130	3	20
1,1-Dichloropropene	50.0	47.0		ug/L		94	70 - 130	3	20
1,2,3-Trichlorobenzene	50.0	49.9		ug/L		100	70 - 130	4	20
1,2,3-Trichloropropane	50.0	48.9		ug/L		98	70 - 130	0	20
1,2,4-Trichlorobenzene	50.0	50.2		ug/L		100	70 - 130	3	20
1,2,4-Trimethylbenzene	50.0	46.7		ug/L		93	70 - 130	0	20
1,2-Dibromo-3-Chloropropane	50.0	50.6		ug/L		101	70 - 130	2	20
1,2-Dichlorobenzene	50.0	47.1		ug/L		94	70 - 130	2	20
1,2-Dichloroethane	50.0	53.7		ug/L		107	70 - 130	3	20
1,2-Dichloropropane	50.0	40.4		ug/L		81	70 - 130	3	20
1,3,5-Trimethylbenzene	50.0	47.4		ug/L		95	70 - 130	1	20
1,3-Dichlorobenzene	50.0	47.3		ug/L		95	70 - 130	2	20
1,3-Dichloropropane	50.0	46.6		ug/L		93	70 - 130	3	20
1,4-Dichlorobenzene	50.0	44.5		ug/L		89	70 - 130	2	20
1,4-Dioxane	1000	1230		ug/L		123	70 - 130	1	20
2,2-Dichloropropane	50.0	47.3		ug/L		95	70 - 130	4	20
2-Butanone (MEK)	250	234		ug/L		93	70 - 130	1	20
2-Chlorotoluene	50.0	46.7		ug/L		93	70 - 130	1	20
2-Hexanone	250	209		ug/L		84	70 - 130	1	20
4-Chlorotoluene	50.0	47.5		ug/L		95	70 - 130	1	20
4-Isopropyltoluene	50.0	47.1		ug/L		94	70 - 130	2	20
4-Methyl-2-pentanone (MIBK)	250	222		ug/L		89	70 - 130	6	20
Acetone	250	215		ug/L		86	70 - 130	2	20
Benzene	50.0	43.1		ug/L		86	70 - 130	2	20
Bromobenzene	50.0	43.4		ug/L		87	70 - 130	4	20
Bromoform	50.0	49.2		ug/L		98	70 - 130	3	20
Bromomethane	50.0	46.6		ug/L		93	70 - 130	8	20
Carbon disulfide	50.0	44.1		ug/L		88	70 - 130	4	20
Carbon tetrachloride	50.0	49.6		ug/L		99	70 - 130	8	20
Chlorobenzene	50.0	45.1		ug/L		90	70 - 130	5	20
Chlorobromomethane	50.0	47.1		ug/L		94	70 - 130	2	20
Chlorodibromomethane	50.0	46.7		ug/L		93	70 - 130	3	20
Chloroethane	50.0	41.5		ug/L		83	70 - 130	3	20
Chloroform	50.0	48.2		ug/L		96	70 - 130	7	20
Chloromethane	50.0	36.7		ug/L		73	70 - 130	5	20
cis-1,2-Dichloroethene	50.0	43.8		ug/L		88	70 - 130	5	20
cis-1,3-Dichloropropene	50.0	46.7		ug/L		93	70 - 130	2	20
Dibromomethane	50.0	45.2		ug/L		90	70 - 130	3	20
Dichlorobromomethane	50.0	46.8		ug/L		94	70 - 130	4	20
Dichlorodifluoromethane	50.0	49.6		ug/L		99	70 - 130	3	20
Ethyl ether	50.0	43.9		ug/L		88	70 - 130	7	20
Ethylbenzene	50.0	44.7		ug/L		89	70 - 130	5	20
Ethylene Dibromide	50.0	45.4		ug/L		91	70 - 130	0	20

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

Lab Sample ID: LCSD 490-194946/4
Matrix: Water
Analysis Batch: 194946

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
Hexachlorobutadiene			50.0	49.2		ug/L		98	70 - 130	5	20
Isopropyl ether			50.0	40.6		ug/L		81	70 - 130	4	20
Isopropylbenzene			50.0	46.3		ug/L		93	70 - 130	5	20
Methyl tert-butyl ether			50.0	47.8		ug/L		96	70 - 130	5	20
Methylene Chloride			50.0	40.3		ug/L		81	70 - 130	4	20
m-Xylene & p-Xylene			50.0	45.8		ug/L		92	70 - 130	3	20
Naphthalene			50.0	50.3		ug/L		101	70 - 130	3	20
n-Butylbenzene			50.0	45.2		ug/L		90	70 - 130	2	20
N-Propylbenzene			50.0	46.6		ug/L		93	70 - 130	1	20
o-Xylene			50.0	44.8		ug/L		90	70 - 130	1	20
sec-Butylbenzene			50.0	47.2		ug/L		94	70 - 130	1	20
Styrene			50.0	43.9		ug/L		88	70 - 130	2	20
Tert-amyl methyl ether			50.0	44.6		ug/L		89	70 - 130	2	20
Tert-butyl ethyl ether			50.0	45.6		ug/L		91	70 - 130	4	20
tert-Butylbenzene			50.0	49.5		ug/L		99	70 - 130	0	20
Tetrachloroethene			50.0	48.0		ug/L		96	70 - 130	2	20
Tetrahydrofuran			100	87.2		ug/L		87	70 - 130	5	20
Toluene			50.0	44.5		ug/L		89	70 - 130	2	20
trans-1,2-Dichloroethene			50.0	44.5		ug/L		89	70 - 130	7	20
trans-1,3-Dichloropropene			50.0	46.4		ug/L		93	70 - 130	0	20
Trichloroethene			50.0	45.4		ug/L		91	70 - 130	2	20
Trichlorofluoromethane			50.0	51.8		ug/L		104	70 - 130	11	20
Vinyl chloride			50.0	41.4		ug/L		83	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*98*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: MB 490-195016/7
Matrix: Water
Analysis Batch: 195016

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			10/03/14 13:09	1
1,1,1-Trichloroethane	ND		1.0		ug/L			10/03/14 13:09	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			10/03/14 13:09	1
1,1,2-Trichloroethane	ND		1.0		ug/L			10/03/14 13:09	1
1,1-Dichloroethane	ND		1.0		ug/L			10/03/14 13:09	1
1,1-Dichloroethene	ND		1.0		ug/L			10/03/14 13:09	1
1,1-Dichloropropene	ND		1.0		ug/L			10/03/14 13:09	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			10/03/14 13:09	1
1,2,3-Trichloropropane	ND		1.0		ug/L			10/03/14 13:09	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			10/03/14 13:09	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			10/03/14 13:09	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			10/03/14 13:09	1
1,2-Dichlorobenzene	ND		1.0		ug/L			10/03/14 13:09	1

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

Lab Sample ID: MB 490-195016/7
Matrix: Water
Analysis Batch: 195016

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.0		ug/L			10/03/14 13:09	1
1,2-Dichloropropane	ND		1.0		ug/L			10/03/14 13:09	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			10/03/14 13:09	1
1,3-Dichlorobenzene	ND		1.0		ug/L			10/03/14 13:09	1
1,3-Dichloropropane	ND		1.0		ug/L			10/03/14 13:09	1
1,4-Dichlorobenzene	ND		1.0		ug/L			10/03/14 13:09	1
1,4-Dioxane	ND		200		ug/L			10/03/14 13:09	1
2,2-Dichloropropane	ND		1.0		ug/L			10/03/14 13:09	1
2-Butanone (MEK)	ND		50		ug/L			10/03/14 13:09	1
2-Chlorotoluene	ND		1.0		ug/L			10/03/14 13:09	1
2-Hexanone	ND		10		ug/L			10/03/14 13:09	1
4-Chlorotoluene	ND		1.0		ug/L			10/03/14 13:09	1
4-Isopropyltoluene	ND		1.0		ug/L			10/03/14 13:09	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			10/03/14 13:09	1
Acetone	ND		25		ug/L			10/03/14 13:09	1
Benzene	ND		1.0		ug/L			10/03/14 13:09	1
Bromobenzene	ND		1.0		ug/L			10/03/14 13:09	1
Bromoform	ND		1.0		ug/L			10/03/14 13:09	1
Bromomethane	ND		1.0		ug/L			10/03/14 13:09	1
Carbon disulfide	ND		1.0		ug/L			10/03/14 13:09	1
Carbon tetrachloride	ND		1.0		ug/L			10/03/14 13:09	1
Chlorobenzene	ND		1.0		ug/L			10/03/14 13:09	1
Chlorobromomethane	ND		1.0		ug/L			10/03/14 13:09	1
Chlorodibromomethane	ND		1.0		ug/L			10/03/14 13:09	1
Chloroethane	ND		1.0		ug/L			10/03/14 13:09	1
Chloroform	ND		1.0		ug/L			10/03/14 13:09	1
Chloromethane	ND		1.0		ug/L			10/03/14 13:09	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			10/03/14 13:09	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			10/03/14 13:09	1
Dibromomethane	ND		1.0		ug/L			10/03/14 13:09	1
Dichlorobromomethane	ND		1.0		ug/L			10/03/14 13:09	1
Dichlorodifluoromethane	ND		1.0		ug/L			10/03/14 13:09	1
Ethyl ether	ND		5.0		ug/L			10/03/14 13:09	1
Ethylbenzene	ND		1.0		ug/L			10/03/14 13:09	1
Ethylene Dibromide	ND		1.0		ug/L			10/03/14 13:09	1
Hexachlorobutadiene	ND		2.0		ug/L			10/03/14 13:09	1
Isopropyl ether	ND		2.0		ug/L			10/03/14 13:09	1
Isopropylbenzene	ND		1.0		ug/L			10/03/14 13:09	1
Methyl tert-butyl ether	ND		1.0		ug/L			10/03/14 13:09	1
Methylene Chloride	ND		5.0		ug/L			10/03/14 13:09	1
m-Xylene & p-Xylene	ND		2.0		ug/L			10/03/14 13:09	1
Naphthalene	ND		5.0		ug/L			10/03/14 13:09	1
n-Butylbenzene	ND		1.0		ug/L			10/03/14 13:09	1
N-Propylbenzene	ND		1.0		ug/L			10/03/14 13:09	1
o-Xylene	ND		1.0		ug/L			10/03/14 13:09	1
sec-Butylbenzene	ND		1.0		ug/L			10/03/14 13:09	1
Styrene	ND		1.0		ug/L			10/03/14 13:09	1
Tert-amyl methyl ether	ND		1.0		ug/L			10/03/14 13:09	1

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

Lab Sample ID: MB 490-195016/7
Matrix: Water
Analysis Batch: 195016

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-butyl ethyl ether	ND		1.0		ug/L			10/03/14 13:09	1
tert-Butylbenzene	ND		1.0		ug/L			10/03/14 13:09	1
Tetrachloroethene	ND		1.0		ug/L			10/03/14 13:09	1
Tetrahydrofuran	ND		10		ug/L			10/03/14 13:09	1
Toluene	ND		1.0		ug/L			10/03/14 13:09	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			10/03/14 13:09	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			10/03/14 13:09	1
Trichloroethene	ND		1.0		ug/L			10/03/14 13:09	1
Trichlorofluoromethane	ND		1.0		ug/L			10/03/14 13:09	1
Vinyl chloride	ND		1.0		ug/L			10/03/14 13:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*10/03/14 13:09*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*10/03/14 13:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*		*10/03/14 13:09*	*1*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*10/03/14 13:09*	*1*

Lab Sample ID: LCS 490-195016/3
Matrix: Water
Analysis Batch: 195016

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	50.0	47.4		ug/L		95	70 - 130
1,1,1-Trichloroethane	50.0	45.4		ug/L		91	70 - 130
1,1,2,2-Tetrachloroethane	50.0	51.8		ug/L		104	70 - 130
1,1,2-Trichloroethane	50.0	48.1		ug/L		96	70 - 130
1,1-Dichloroethane	50.0	52.2		ug/L		104	70 - 130
1,1-Dichloroethene	50.0	51.9		ug/L		104	70 - 130
1,1-Dichloropropene	50.0	48.3		ug/L		97	70 - 130
1,2,3-Trichlorobenzene	50.0	52.3		ug/L		105	70 - 130
1,2,3-Trichloropropane	50.0	51.8		ug/L		104	70 - 130
1,2,4-Trichlorobenzene	50.0	47.7		ug/L		95	70 - 130
1,2,4-Trimethylbenzene	50.0	50.1		ug/L		100	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	46.4		ug/L		93	70 - 130
1,2-Dichlorobenzene	50.0	48.7		ug/L		97	70 - 130
1,2-Dichloroethane	50.0	47.2		ug/L		94	70 - 130
1,2-Dichloropropane	50.0	48.9		ug/L		98	70 - 130
1,3,5-Trimethylbenzene	50.0	49.8		ug/L		100	70 - 130
1,3-Dichlorobenzene	50.0	48.4		ug/L		97	70 - 130
1,3-Dichloropropane	50.0	50.8		ug/L		102	70 - 130
1,4-Dichlorobenzene	50.0	47.7		ug/L		95	70 - 130
1,4-Dioxane	1000	1200		ug/L		120	70 - 130
2,2-Dichloropropane	50.0	51.6		ug/L		103	70 - 130
2-Butanone (MEK)	250	274		ug/L		109	70 - 130
2-Chlorotoluene	50.0	47.3		ug/L		95	70 - 130
2-Hexanone	250	262		ug/L		105	70 - 130
4-Chlorotoluene	50.0	50.5		ug/L		101	70 - 130
4-Isopropyltoluene	50.0	51.9		ug/L		104	70 - 130

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

Lab Sample ID: LCS 490-195016/3
Matrix: Water
Analysis Batch: 195016

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methyl-2-pentanone (MIBK)	250	283		ug/L		113	70 - 130
Acetone	250	283		ug/L		113	70 - 130
Benzene	50.0	45.9		ug/L		92	70 - 130
Bromobenzene	50.0	48.4		ug/L		97	70 - 130
Bromoform	50.0	49.4		ug/L		99	70 - 130
Bromomethane	50.0	53.1		ug/L		106	70 - 130
Carbon disulfide	50.0	55.1		ug/L		110	70 - 130
Carbon tetrachloride	50.0	45.8		ug/L		92	70 - 130
Chlorobenzene	50.0	47.2		ug/L		94	70 - 130
Chlorobromomethane	50.0	47.5		ug/L		95	70 - 130
Chlorodibromomethane	50.0	49.2		ug/L		98	70 - 130
Chloroethane	50.0	54.0		ug/L		108	70 - 130
Chloroform	50.0	44.5		ug/L		89	70 - 130
Chloromethane	50.0	55.7		ug/L		111	70 - 130
cis-1,2-Dichloroethene	50.0	50.2		ug/L		100	70 - 130
cis-1,3-Dichloropropene	50.0	51.7		ug/L		103	70 - 130
Dibromomethane	50.0	48.9		ug/L		98	70 - 130
Dichlorobromomethane	50.0	47.4		ug/L		95	70 - 130
Dichlorodifluoromethane	50.0	57.7		ug/L		115	70 - 130
Ethyl ether	50.0	56.0		ug/L		112	70 - 130
Ethylbenzene	50.0	49.5		ug/L		99	70 - 130
Ethylene Dibromide	50.0	51.1		ug/L		102	70 - 130
Hexachlorobutadiene	50.0	48.3		ug/L		97	70 - 130
Isopropyl ether	50.0	55.0		ug/L		110	70 - 130
Isopropylbenzene	50.0	51.1		ug/L		102	70 - 130
Methyl tert-butyl ether	50.0	48.3		ug/L		97	70 - 130
Methylene Chloride	50.0	49.0		ug/L		98	70 - 130
m-Xylene & p-Xylene	50.0	49.0		ug/L		98	70 - 130
Naphthalene	50.0	46.6		ug/L		93	70 - 130
n-Butylbenzene	50.0	51.6		ug/L		103	70 - 130
N-Propylbenzene	50.0	52.5		ug/L		105	70 - 130
o-Xylene	50.0	49.3		ug/L		99	70 - 130
sec-Butylbenzene	50.0	52.2		ug/L		104	70 - 130
Styrene	50.0	51.0		ug/L		102	70 - 130
Tert-amyl methyl ether	50.0	46.1		ug/L		92	70 - 130
Tert-butyl ethyl ether	50.0	50.3		ug/L		101	70 - 130
tert-Butylbenzene	50.0	51.6		ug/L		103	70 - 130
Tetrachloroethene	50.0	47.5		ug/L		95	70 - 130
Tetrahydrofuran	100	109		ug/L		109	70 - 130
Toluene	50.0	47.5		ug/L		95	70 - 130
trans-1,2-Dichloroethene	50.0	50.2		ug/L		100	70 - 130
trans-1,3-Dichloropropene	50.0	51.5		ug/L		103	70 - 130
Trichloroethene	50.0	45.5		ug/L		91	70 - 130
Trichlorofluoromethane	50.0	48.3		ug/L		97	70 - 130
Vinyl chloride	50.0	55.9		ug/L		112	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*99*		*70 - 130*

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

Lab Sample ID: LCS 490-195016/3
Matrix: Water
Analysis Batch: 195016

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 490-195016/4
Matrix: Water
Analysis Batch: 195016

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			50.0	47.8		ug/L		96	70 - 130	1	20
1,1,1-Trichloroethane			50.0	46.2		ug/L		92	70 - 130	2	20
1,1,2,2-Tetrachloroethane			50.0	50.2		ug/L		100	70 - 130	3	20
1,1,2-Trichloroethane			50.0	47.3		ug/L		95	70 - 130	2	20
1,1-Dichloroethane			50.0	52.6		ug/L		105	70 - 130	1	20
1,1-Dichloroethene			50.0	52.4		ug/L		105	70 - 130	1	20
1,1-Dichloropropene			50.0	49.2		ug/L		98	70 - 130	2	20
1,2,3-Trichlorobenzene			50.0	54.4		ug/L		109	70 - 130	4	20
1,2,3-Trichloropropane			50.0	51.5		ug/L		103	70 - 130	1	20
1,2,4-Trichlorobenzene			50.0	50.2		ug/L		100	70 - 130	5	20
1,2,4-Trimethylbenzene			50.0	52.2		ug/L		104	70 - 130	4	20
1,2-Dibromo-3-Chloropropane			50.0	44.8		ug/L		90	70 - 130	4	20
1,2-Dichlorobenzene			50.0	51.0		ug/L		102	70 - 130	5	20
1,2-Dichloroethane			50.0	46.2		ug/L		92	70 - 130	2	20
1,2-Dichloropropane			50.0	49.8		ug/L		100	70 - 130	2	20
1,3,5-Trimethylbenzene			50.0	51.8		ug/L		104	70 - 130	4	20
1,3-Dichlorobenzene			50.0	50.6		ug/L		101	70 - 130	5	20
1,3-Dichloropropane			50.0	49.3		ug/L		99	70 - 130	3	20
1,4-Dichlorobenzene			50.0	49.1		ug/L		98	70 - 130	3	20
1,4-Dioxane			1000	1150		ug/L		115	70 - 130	4	20
2,2-Dichloropropane			50.0	51.5		ug/L		103	70 - 130	0	20
2-Butanone (MEK)			250	279		ug/L		112	70 - 130	2	20
2-Chlorotoluene			50.0	50.4		ug/L		101	70 - 130	6	20
2-Hexanone			250	246		ug/L		98	70 - 130	7	20
4-Chlorotoluene			50.0	52.1		ug/L		104	70 - 130	3	20
4-Isopropyltoluene			50.0	54.5		ug/L		109	70 - 130	5	20
4-Methyl-2-pentanone (MIBK)			250	265		ug/L		106	70 - 130	7	20
Acetone			250	269		ug/L		108	70 - 130	5	20
Benzene			50.0	46.7		ug/L		93	70 - 130	2	20
Bromobenzene			50.0	49.9		ug/L		100	70 - 130	3	20
Bromoform			50.0	47.9		ug/L		96	70 - 130	3	20
Bromomethane			50.0	56.3		ug/L		113	70 - 130	6	20
Carbon disulfide			50.0	56.4		ug/L		113	70 - 130	2	20
Carbon tetrachloride			50.0	46.5		ug/L		93	70 - 130	2	20
Chlorobenzene			50.0	48.1		ug/L		96	70 - 130	2	20
Chlorobromomethane			50.0	46.0		ug/L		92	70 - 130	3	20
Chlorodibromomethane			50.0	48.9		ug/L		98	70 - 130	1	20
Chloroethane			50.0	54.7		ug/L		109	70 - 130	1	20
Chloroform			50.0	45.4		ug/L		91	70 - 130	2	20

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

Lab Sample ID: LCSD 490-195016/4
Matrix: Water
Analysis Batch: 195016

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
Chloromethane	50.0	55.2		ug/L		110	70 - 130	1	20
cis-1,2-Dichloroethene	50.0	51.0		ug/L		102	70 - 130	2	20
cis-1,3-Dichloropropene	50.0	51.8		ug/L		104	70 - 130	0	20
Dibromomethane	50.0	47.6		ug/L		95	70 - 130	3	20
Dichlorobromomethane	50.0	47.4		ug/L		95	70 - 130	0	20
Dichlorodifluoromethane	50.0	57.4		ug/L		115	70 - 130	1	20
Ethyl ether	50.0	53.8		ug/L		108	70 - 130	4	20
Ethylbenzene	50.0	50.3		ug/L		101	70 - 130	1	20
Ethylene Dibromide	50.0	50.0		ug/L		100	70 - 130	2	20
Hexachlorobutadiene	50.0	52.9		ug/L		106	70 - 130	9	20
Isopropyl ether	50.0	55.0		ug/L		110	70 - 130	0	20
Isopropylbenzene	50.0	51.5		ug/L		103	70 - 130	1	20
Methyl tert-butyl ether	50.0	46.7		ug/L		93	70 - 130	3	20
Methylene Chloride	50.0	49.5		ug/L		99	70 - 130	1	20
m-Xylene & p-Xylene	50.0	49.2		ug/L		98	70 - 130	0	20
Naphthalene	50.0	45.5		ug/L		91	70 - 130	3	20
n-Butylbenzene	50.0	54.4		ug/L		109	70 - 130	5	20
N-Propylbenzene	50.0	55.1		ug/L		110	70 - 130	5	20
o-Xylene	50.0	50.2		ug/L		100	70 - 130	2	20
sec-Butylbenzene	50.0	54.9		ug/L		110	70 - 130	5	20
Styrene	50.0	51.9		ug/L		104	70 - 130	2	20
Tert-amyl methyl ether	50.0	44.8		ug/L		90	70 - 130	3	20
Tert-butyl ethyl ether	50.0	48.8		ug/L		98	70 - 130	3	20
tert-Butylbenzene	50.0	54.1		ug/L		108	70 - 130	5	20
Tetrachloroethene	50.0	48.4		ug/L		97	70 - 130	2	20
Tetrahydrofuran	100	101		ug/L		101	70 - 130	8	20
Toluene	50.0	47.7		ug/L		95	70 - 130	0	20
trans-1,2-Dichloroethene	50.0	51.2		ug/L		102	70 - 130	2	20
trans-1,3-Dichloropropene	50.0	51.0		ug/L		102	70 - 130	1	20
Trichloroethene	50.0	47.6		ug/L		95	70 - 130	4	20
Trichlorofluoromethane	50.0	48.5		ug/L		97	70 - 130	0	20
Vinyl chloride	50.0	56.1		ug/L		112	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*100*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: MB 490-195033/7
Matrix: Water
Analysis Batch: 195033

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			10/03/14 13:08	1
1,1,1-Trichloroethane	ND		1.0		ug/L			10/03/14 13:08	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			10/03/14 13:08	1
1,1,2-Trichloroethane	ND		1.0		ug/L			10/03/14 13:08	1

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

Lab Sample ID: MB 490-195033/7
Matrix: Water
Analysis Batch: 195033

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		1.0		ug/L			10/03/14 13:08	1
1,1-Dichloroethene	ND		1.0		ug/L			10/03/14 13:08	1
1,1-Dichloropropene	ND		1.0		ug/L			10/03/14 13:08	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			10/03/14 13:08	1
1,2,3-Trichloropropane	ND		1.0		ug/L			10/03/14 13:08	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			10/03/14 13:08	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			10/03/14 13:08	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			10/03/14 13:08	1
1,2-Dichlorobenzene	ND		1.0		ug/L			10/03/14 13:08	1
1,2-Dichloroethane	ND		1.0		ug/L			10/03/14 13:08	1
1,2-Dichloropropane	ND		1.0		ug/L			10/03/14 13:08	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			10/03/14 13:08	1
1,3-Dichlorobenzene	ND		1.0		ug/L			10/03/14 13:08	1
1,3-Dichloropropane	ND		1.0		ug/L			10/03/14 13:08	1
1,4-Dichlorobenzene	ND		1.0		ug/L			10/03/14 13:08	1
1,4-Dioxane	ND		200		ug/L			10/03/14 13:08	1
2,2-Dichloropropane	ND		1.0		ug/L			10/03/14 13:08	1
2-Butanone (MEK)	ND		50		ug/L			10/03/14 13:08	1
2-Chlorotoluene	ND		1.0		ug/L			10/03/14 13:08	1
2-Hexanone	ND		10		ug/L			10/03/14 13:08	1
4-Chlorotoluene	ND		1.0		ug/L			10/03/14 13:08	1
4-Isopropyltoluene	ND		1.0		ug/L			10/03/14 13:08	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			10/03/14 13:08	1
Acetone	ND		25		ug/L			10/03/14 13:08	1
Benzene	ND		1.0		ug/L			10/03/14 13:08	1
Bromobenzene	ND		1.0		ug/L			10/03/14 13:08	1
Bromoform	ND		1.0		ug/L			10/03/14 13:08	1
Bromomethane	ND		1.0		ug/L			10/03/14 13:08	1
Carbon disulfide	ND		1.0		ug/L			10/03/14 13:08	1
Carbon tetrachloride	ND		1.0		ug/L			10/03/14 13:08	1
Chlorobenzene	ND		1.0		ug/L			10/03/14 13:08	1
Chlorobromomethane	ND		1.0		ug/L			10/03/14 13:08	1
Chlorodibromomethane	ND		1.0		ug/L			10/03/14 13:08	1
Chloroethane	ND		1.0		ug/L			10/03/14 13:08	1
Chloroform	ND		1.0		ug/L			10/03/14 13:08	1
Chloromethane	ND		1.0		ug/L			10/03/14 13:08	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			10/03/14 13:08	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			10/03/14 13:08	1
Dibromomethane	ND		1.0		ug/L			10/03/14 13:08	1
Dichlorobromomethane	ND		1.0		ug/L			10/03/14 13:08	1
Dichlorodifluoromethane	ND		1.0		ug/L			10/03/14 13:08	1
Ethyl ether	ND		5.0		ug/L			10/03/14 13:08	1
Ethylbenzene	ND		1.0		ug/L			10/03/14 13:08	1
Ethylene Dibromide	ND		1.0		ug/L			10/03/14 13:08	1
Hexachlorobutadiene	ND		2.0		ug/L			10/03/14 13:08	1
Isopropyl ether	ND		2.0		ug/L			10/03/14 13:08	1
Isopropylbenzene	ND		1.0		ug/L			10/03/14 13:08	1
Methyl tert-butyl ether	ND		1.0		ug/L			10/03/14 13:08	1

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

Lab Sample ID: MB 490-195033/7
Matrix: Water
Analysis Batch: 195033

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		5.0		ug/L			10/03/14 13:08	1
m-Xylene & p-Xylene	ND		2.0		ug/L			10/03/14 13:08	1
Naphthalene	ND		5.0		ug/L			10/03/14 13:08	1
n-Butylbenzene	ND		1.0		ug/L			10/03/14 13:08	1
N-Propylbenzene	ND		1.0		ug/L			10/03/14 13:08	1
o-Xylene	ND		1.0		ug/L			10/03/14 13:08	1
sec-Butylbenzene	ND		1.0		ug/L			10/03/14 13:08	1
Styrene	ND		1.0		ug/L			10/03/14 13:08	1
Tert-amyl methyl ether	ND		1.0		ug/L			10/03/14 13:08	1
Tert-butyl ethyl ether	ND		1.0		ug/L			10/03/14 13:08	1
tert-Butylbenzene	ND		1.0		ug/L			10/03/14 13:08	1
Tetrachloroethene	ND		1.0		ug/L			10/03/14 13:08	1
Toluene	ND		1.0		ug/L			10/03/14 13:08	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			10/03/14 13:08	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			10/03/14 13:08	1
Trichloroethene	ND		1.0		ug/L			10/03/14 13:08	1
Trichlorofluoromethane	ND		1.0		ug/L			10/03/14 13:08	1
Vinyl chloride	ND		1.0		ug/L			10/03/14 13:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*10/03/14 13:08*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*10/03/14 13:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*		*10/03/14 13:08*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*10/03/14 13:08*	*1*

Lab Sample ID: LCS 490-195033/3
Matrix: Water
Analysis Batch: 195033

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	50.0	47.7		ug/L		95	70 - 130
1,1,1-Trichloroethane	50.0	52.5		ug/L		105	70 - 130
1,1,2,2-Tetrachloroethane	50.0	42.2		ug/L		84	70 - 130
1,1,2-Trichloroethane	50.0	44.1		ug/L		88	70 - 130
1,1-Dichloroethane	50.0	45.4		ug/L		91	70 - 130
1,1-Dichloroethene	50.0	48.2		ug/L		96	70 - 130
1,1-Dichloropropene	50.0	50.3		ug/L		101	70 - 130
1,2,3-Trichlorobenzene	50.0	50.8		ug/L		102	70 - 130
1,2,3-Trichloropropane	50.0	47.1		ug/L		94	70 - 130
1,2,4-Trichlorobenzene	50.0	50.8		ug/L		102	70 - 130
1,2,4-Trimethylbenzene	50.0	47.5		ug/L		95	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	48.0		ug/L		96	70 - 130
1,2-Dichlorobenzene	50.0	46.8		ug/L		94	70 - 130
1,2-Dichloroethane	50.0	54.2		ug/L		108	70 - 130
1,2-Dichloropropane	50.0	41.7		ug/L		83	70 - 130
1,3,5-Trimethylbenzene	50.0	48.3		ug/L		97	70 - 130
1,3-Dichlorobenzene	50.0	48.1		ug/L		96	70 - 130
1,3-Dichloropropane	50.0	46.6		ug/L		93	70 - 130

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

Lab Sample ID: LCS 490-195033/3
Matrix: Water
Analysis Batch: 195033

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	50.0	45.1		ug/L		90	70 - 130
1,4-Dioxane	1000	1190		ug/L		119	70 - 130
2,2-Dichloropropane	50.0	51.7		ug/L		103	70 - 130
2-Butanone (MEK)	250	231		ug/L		92	70 - 130
2-Chlorotoluene	50.0	48.1		ug/L		96	70 - 130
2-Hexanone	250	209		ug/L		84	70 - 130
4-Chlorotoluene	50.0	48.8		ug/L		98	70 - 130
4-Isopropyltoluene	50.0	48.8		ug/L		98	70 - 130
4-Methyl-2-pentanone (MIBK)	250	213		ug/L		85	70 - 130
Acetone	250	204		ug/L		82	70 - 130
Benzene	50.0	44.3		ug/L		89	70 - 130
Bromobenzene	50.0	44.7		ug/L		89	70 - 130
Bromoform	50.0	48.3		ug/L		97	70 - 130
Bromomethane	50.0	46.4		ug/L		93	70 - 130
Carbon disulfide	50.0	45.3		ug/L		91	70 - 130
Carbon tetrachloride	50.0	53.4		ug/L		107	70 - 130
Chlorobenzene	50.0	46.7		ug/L		93	70 - 130
Chlorobromomethane	50.0	47.1		ug/L		94	70 - 130
Chlorodibromomethane	50.0	47.7		ug/L		95	70 - 130
Chloroethane	50.0	44.9		ug/L		90	70 - 130
Chloroform	50.0	50.5		ug/L		101	70 - 130
Chloromethane	50.0	36.8		ug/L		74	70 - 130
cis-1,2-Dichloroethene	50.0	46.7		ug/L		93	70 - 130
cis-1,3-Dichloropropene	50.0	48.2		ug/L		96	70 - 130
Dibromomethane	50.0	45.0		ug/L		90	70 - 130
Dichlorobromomethane	50.0	48.6		ug/L		97	70 - 130
Dichlorodifluoromethane	50.0	48.9		ug/L		98	70 - 130
Ethyl ether	50.0	40.3		ug/L		81	70 - 130
Ethylbenzene	50.0	46.6		ug/L		93	70 - 130
Ethylene Dibromide	50.0	45.0		ug/L		90	70 - 130
Hexachlorobutadiene	50.0	52.6		ug/L		105	70 - 130
Isopropyl ether	50.0	40.6		ug/L		81	70 - 130
Isopropylbenzene	50.0	47.3		ug/L		95	70 - 130
Methyl tert-butyl ether	50.0	47.4		ug/L		95	70 - 130
Methylene Chloride	50.0	41.6		ug/L		83	70 - 130
m-Xylene & p-Xylene	50.0	46.2		ug/L		92	70 - 130
Naphthalene	50.0	49.4		ug/L		99	70 - 130
n-Butylbenzene	50.0	47.0		ug/L		94	70 - 130
N-Propylbenzene	50.0	48.8		ug/L		98	70 - 130
o-Xylene	50.0	45.1		ug/L		90	70 - 130
sec-Butylbenzene	50.0	49.2		ug/L		98	70 - 130
Styrene	50.0	44.3		ug/L		89	70 - 130
Tert-amyl methyl ether	50.0	43.9		ug/L		88	70 - 130
Tert-butyl ethyl ether	50.0	45.2		ug/L		90	70 - 130
tert-Butylbenzene	50.0	50.7		ug/L		101	70 - 130
Tetrachloroethene	50.0	50.3		ug/L		101	70 - 130
Toluene	50.0	45.6		ug/L		91	70 - 130
trans-1,2-Dichloroethene	50.0	45.6		ug/L		91	70 - 130

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

Lab Sample ID: LCS 490-195033/3
Matrix: Water
Analysis Batch: 195033

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	50.0	47.6		ug/L		95	70 - 130
Trichloroethene	50.0	46.8		ug/L		94	70 - 130
Trichlorofluoromethane	50.0	55.9		ug/L		112	70 - 130
Vinyl chloride	50.0	43.6		ug/L		87	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*100*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: LCSD 490-195033/4
Matrix: Water
Analysis Batch: 195033

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	50.0	46.8		ug/L		94	70 - 130	2	20
1,1,1-Trichloroethane	50.0	51.8		ug/L		104	70 - 130	1	20
1,1,2,2-Tetrachloroethane	50.0	38.8		ug/L		78	70 - 130	8	20
1,1,2-Trichloroethane	50.0	41.4		ug/L		83	70 - 130	6	20
1,1-Dichloroethane	50.0	44.2		ug/L		88	70 - 130	2	20
1,1-Dichloroethene	50.0	46.6		ug/L		93	70 - 130	3	20
1,1-Dichloropropene	50.0	48.3		ug/L		97	70 - 130	4	20
1,2,3-Trichlorobenzene	50.0	46.8		ug/L		94	70 - 130	8	20
1,2,3-Trichloropropane	50.0	45.8		ug/L		92	70 - 130	3	20
1,2,4-Trichlorobenzene	50.0	47.3		ug/L		95	70 - 130	7	20
1,2,4-Trimethylbenzene	50.0	47.8		ug/L		96	70 - 130	0	20
1,2-Dibromo-3-Chloropropane	50.0	41.8		ug/L		84	70 - 130	14	20
1,2-Dichlorobenzene	50.0	45.5		ug/L		91	70 - 130	3	20
1,2-Dichloroethane	50.0	48.7		ug/L		97	70 - 130	11	20
1,2-Dichloropropane	50.0	40.6		ug/L		81	70 - 130	3	20
1,3,5-Trimethylbenzene	50.0	49.2		ug/L		98	70 - 130	2	20
1,3-Dichlorobenzene	50.0	47.4		ug/L		95	70 - 130	1	20
1,3-Dichloropropane	50.0	43.3		ug/L		87	70 - 130	7	20
1,4-Dichlorobenzene	50.0	44.4		ug/L		89	70 - 130	2	20
1,4-Dioxane	1000	937	*	ug/L		94	70 - 130	24	20
2,2-Dichloropropane	50.0	49.9		ug/L		100	70 - 130	3	20
2-Butanone (MEK)	250	205		ug/L		82	70 - 130	12	20
2-Chlorotoluene	50.0	49.4		ug/L		99	70 - 130	3	20
2-Hexanone	250	179		ug/L		72	70 - 130	15	20
4-Chlorotoluene	50.0	49.6		ug/L		99	70 - 130	2	20
4-Isopropyltoluene	50.0	50.0		ug/L		100	70 - 130	2	20
4-Methyl-2-pentanone (MIBK)	250	187		ug/L		75	70 - 130	13	20
Acetone	250	187		ug/L		75	70 - 130	9	20
Benzene	50.0	43.6		ug/L		87	70 - 130	2	20
Bromobenzene	50.0	44.3		ug/L		89	70 - 130	1	20
Bromoform	50.0	44.5		ug/L		89	70 - 130	8	20
Bromomethane	50.0	44.3		ug/L		89	70 - 130	4	20

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

Lab Sample ID: LCSD 490-195033/4
Matrix: Water
Analysis Batch: 195033

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
Carbon disulfide			50.0	46.2		ug/L		92	70 - 130	2	20
Carbon tetrachloride			50.0	52.5		ug/L		105	70 - 130	2	20
Chlorobenzene			50.0	46.4		ug/L		93	70 - 130	1	20
Chlorobromomethane			50.0	44.6		ug/L		89	70 - 130	5	20
Chlorodibromomethane			50.0	44.8		ug/L		90	70 - 130	6	20
Chloroethane			50.0	45.3		ug/L		91	70 - 130	1	20
Chloroform			50.0	48.2		ug/L		96	70 - 130	5	20
Chloromethane			50.0	35.2		ug/L		70	70 - 130	5	20
cis-1,2-Dichloroethene			50.0	44.4		ug/L		89	70 - 130	5	20
cis-1,3-Dichloropropene			50.0	46.1		ug/L		92	70 - 130	5	20
Dibromomethane			50.0	40.0		ug/L		80	70 - 130	12	20
Dichlorobromomethane			50.0	45.3		ug/L		91	70 - 130	7	20
Dichlorodifluoromethane			50.0	46.9		ug/L		94	70 - 130	4	20
Ethyl ether			50.0	38.9		ug/L		78	70 - 130	4	20
Ethylbenzene			50.0	47.4		ug/L		95	70 - 130	2	20
Ethylene Dibromide			50.0	41.7		ug/L		83	70 - 130	8	20
Hexachlorobutadiene			50.0	51.0		ug/L		102	70 - 130	3	20
Isopropyl ether			50.0	39.3		ug/L		79	70 - 130	3	20
Isopropylbenzene			50.0	48.5		ug/L		97	70 - 130	2	20
Methyl tert-butyl ether			50.0	43.1		ug/L		86	70 - 130	9	20
Methylene Chloride			50.0	42.3		ug/L		85	70 - 130	2	20
m-Xylene & p-Xylene			50.0	47.7		ug/L		95	70 - 130	3	20
Naphthalene			50.0	44.0		ug/L		88	70 - 130	11	20
n-Butylbenzene			50.0	47.0		ug/L		94	70 - 130	0	20
N-Propylbenzene			50.0	50.3		ug/L		101	70 - 130	3	20
o-Xylene			50.0	46.0		ug/L		92	70 - 130	2	20
sec-Butylbenzene			50.0	49.8		ug/L		100	70 - 130	1	20
Styrene			50.0	44.6		ug/L		89	70 - 130	1	20
Tert-amyl methyl ether			50.0	40.0		ug/L		80	70 - 130	9	20
Tert-butyl ethyl ether			50.0	41.3		ug/L		83	70 - 130	9	20
tert-Butylbenzene			50.0	51.4		ug/L		103	70 - 130	1	20
Tetrachloroethene			50.0	50.7		ug/L		101	70 - 130	1	20
Toluene			50.0	46.4		ug/L		93	70 - 130	2	20
trans-1,2-Dichloroethene			50.0	46.2		ug/L		92	70 - 130	1	20
trans-1,3-Dichloropropene			50.0	45.8		ug/L		92	70 - 130	4	20
Trichloroethene			50.0	45.6		ug/L		91	70 - 130	3	20
Trichlorofluoromethane			50.0	52.9		ug/L		106	70 - 130	5	20
Vinyl chloride			50.0	43.6		ug/L		87	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*94*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*

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

Lab Sample ID: MB 490-195081/7
Matrix: Water
Analysis Batch: 195081

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			10/03/14 14:16	1
1,1,1-Trichloroethane	ND		1.0		ug/L			10/03/14 14:16	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			10/03/14 14:16	1
1,1,2-Trichloroethane	ND		1.0		ug/L			10/03/14 14:16	1
1,1-Dichloroethane	ND		1.0		ug/L			10/03/14 14:16	1
1,1-Dichloroethene	ND		1.0		ug/L			10/03/14 14:16	1
1,1-Dichloropropene	ND		1.0		ug/L			10/03/14 14:16	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			10/03/14 14:16	1
1,2,3-Trichloropropane	ND		1.0		ug/L			10/03/14 14:16	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			10/03/14 14:16	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			10/03/14 14:16	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			10/03/14 14:16	1
1,2-Dichlorobenzene	ND		1.0		ug/L			10/03/14 14:16	1
1,2-Dichloroethane	ND		1.0		ug/L			10/03/14 14:16	1
1,2-Dichloropropane	ND		1.0		ug/L			10/03/14 14:16	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			10/03/14 14:16	1
1,3-Dichlorobenzene	ND		1.0		ug/L			10/03/14 14:16	1
1,3-Dichloropropane	ND		1.0		ug/L			10/03/14 14:16	1
1,4-Dichlorobenzene	ND		1.0		ug/L			10/03/14 14:16	1
1,4-Dioxane	ND		200		ug/L			10/03/14 14:16	1
2,2-Dichloropropane	ND		1.0		ug/L			10/03/14 14:16	1
2-Butanone (MEK)	ND		50		ug/L			10/03/14 14:16	1
2-Chlorotoluene	ND		1.0		ug/L			10/03/14 14:16	1
2-Hexanone	ND		10		ug/L			10/03/14 14:16	1
4-Chlorotoluene	ND		1.0		ug/L			10/03/14 14:16	1
4-Isopropyltoluene	ND		1.0		ug/L			10/03/14 14:16	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			10/03/14 14:16	1
Acetone	ND		25		ug/L			10/03/14 14:16	1
Benzene	ND		1.0		ug/L			10/03/14 14:16	1
Bromobenzene	ND		1.0		ug/L			10/03/14 14:16	1
Bromoform	ND		1.0		ug/L			10/03/14 14:16	1
Bromomethane	ND		1.0		ug/L			10/03/14 14:16	1
Carbon disulfide	ND		1.0		ug/L			10/03/14 14:16	1
Carbon tetrachloride	ND		1.0		ug/L			10/03/14 14:16	1
Chlorobenzene	ND		1.0		ug/L			10/03/14 14:16	1
Chlorobromomethane	ND		1.0		ug/L			10/03/14 14:16	1
Chlorodibromomethane	ND		1.0		ug/L			10/03/14 14:16	1
Chloroethane	ND		1.0		ug/L			10/03/14 14:16	1
Chloroform	ND		1.0		ug/L			10/03/14 14:16	1
Chloromethane	ND		1.0		ug/L			10/03/14 14:16	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			10/03/14 14:16	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			10/03/14 14:16	1
Dibromomethane	ND		1.0		ug/L			10/03/14 14:16	1
Dichlorobromomethane	ND		1.0		ug/L			10/03/14 14:16	1
Dichlorodifluoromethane	ND		1.0		ug/L			10/03/14 14:16	1
Ethyl ether	ND		5.0		ug/L			10/03/14 14:16	1
Ethylbenzene	ND		1.0		ug/L			10/03/14 14:16	1
Ethylene Dibromide	ND		1.0		ug/L			10/03/14 14:16	1

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

Lab Sample ID: MB 490-195081/7
Matrix: Water
Analysis Batch: 195081

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		2.0		ug/L			10/03/14 14:16	1
Isopropyl ether	ND		2.0		ug/L			10/03/14 14:16	1
Isopropylbenzene	ND		1.0		ug/L			10/03/14 14:16	1
Methyl tert-butyl ether	ND		1.0		ug/L			10/03/14 14:16	1
Methylene Chloride	ND		5.0		ug/L			10/03/14 14:16	1
m-Xylene & p-Xylene	ND		2.0		ug/L			10/03/14 14:16	1
Naphthalene	ND		5.0		ug/L			10/03/14 14:16	1
n-Butylbenzene	ND		1.0		ug/L			10/03/14 14:16	1
N-Propylbenzene	ND		1.0		ug/L			10/03/14 14:16	1
o-Xylene	ND		1.0		ug/L			10/03/14 14:16	1
sec-Butylbenzene	ND		1.0		ug/L			10/03/14 14:16	1
Styrene	ND		1.0		ug/L			10/03/14 14:16	1
Tert-amyl methyl ether	ND		1.0		ug/L			10/03/14 14:16	1
Tert-butyl ethyl ether	ND		1.0		ug/L			10/03/14 14:16	1
tert-Butylbenzene	ND		1.0		ug/L			10/03/14 14:16	1
Tetrachloroethene	ND		1.0		ug/L			10/03/14 14:16	1
Tetrahydrofuran	ND		10		ug/L			10/03/14 14:16	1
Toluene	ND		1.0		ug/L			10/03/14 14:16	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			10/03/14 14:16	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			10/03/14 14:16	1
Trichloroethene	ND		1.0		ug/L			10/03/14 14:16	1
Trichlorofluoromethane	ND		1.0		ug/L			10/03/14 14:16	1
Vinyl chloride	ND		1.0		ug/L			10/03/14 14:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*10/03/14 14:16*	*1*
Toluene-d8 (Surr)	*111*		*70 - 130*		*10/03/14 14:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*		*10/03/14 14:16*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*10/03/14 14:16*	*1*

Lab Sample ID: LCS 490-195081/3
Matrix: Water
Analysis Batch: 195081

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	50.0	51.3		ug/L		103	70 - 130
1,1,1-Trichloroethane	50.0	49.7		ug/L		99	70 - 130
1,1,2,2-Tetrachloroethane	50.0	49.6		ug/L		99	70 - 130
1,1,2-Trichloroethane	50.0	53.1		ug/L		106	70 - 130
1,1-Dichloroethane	50.0	49.2		ug/L		98	70 - 130
1,1-Dichloroethene	50.0	49.7		ug/L		99	70 - 130
1,1-Dichloropropene	50.0	49.0		ug/L		98	70 - 130
1,2,3-Trichlorobenzene	50.0	51.7		ug/L		103	70 - 130
1,2,3-Trichloropropane	50.0	50.7		ug/L		101	70 - 130
1,2,4-Trichlorobenzene	50.0	52.4		ug/L		105	70 - 130
1,2,4-Trimethylbenzene	50.0	51.3		ug/L		103	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	48.7		ug/L		97	70 - 130
1,2-Dichlorobenzene	50.0	52.3		ug/L		105	70 - 130

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

Lab Sample ID: LCS 490-195081/3
Matrix: Water
Analysis Batch: 195081

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	50.0	52.3		ug/L		105	70 - 130
1,2-Dichloropropane	50.0	48.9		ug/L		98	70 - 130
1,3,5-Trimethylbenzene	50.0	51.8		ug/L		104	70 - 130
1,3-Dichlorobenzene	50.0	51.4		ug/L		103	70 - 130
1,3-Dichloropropane	50.0	56.7		ug/L		113	70 - 130
1,4-Dichlorobenzene	50.0	50.4		ug/L		101	70 - 130
1,4-Dioxane	1000	1020		ug/L		102	70 - 130
2,2-Dichloropropane	50.0	49.4		ug/L		99	70 - 130
2-Butanone (MEK)	250	251		ug/L		100	70 - 130
2-Chlorotoluene	50.0	48.8		ug/L		98	70 - 130
2-Hexanone	250	284		ug/L		114	70 - 130
4-Chlorotoluene	50.0	52.3		ug/L		105	70 - 130
4-Isopropyltoluene	50.0	50.3		ug/L		101	70 - 130
4-Methyl-2-pentanone (MIBK)	250	298		ug/L		119	70 - 130
Acetone	250	270		ug/L		108	70 - 130
Benzene	50.0	49.3		ug/L		99	70 - 130
Bromobenzene	50.0	48.2		ug/L		96	70 - 130
Bromoform	50.0	52.0		ug/L		104	70 - 130
Bromomethane	50.0	52.3		ug/L		105	70 - 130
Carbon disulfide	50.0	51.2		ug/L		102	70 - 130
Carbon tetrachloride	50.0	49.6		ug/L		99	70 - 130
Chlorobenzene	50.0	50.1		ug/L		100	70 - 130
Chlorobromomethane	50.0	50.5		ug/L		101	70 - 130
Chlorodibromomethane	50.0	52.8		ug/L		106	70 - 130
Chloroethane	50.0	49.5		ug/L		99	70 - 130
Chloroform	50.0	48.3		ug/L		97	70 - 130
Chloromethane	50.0	47.1		ug/L		94	70 - 130
cis-1,2-Dichloroethene	50.0	50.3		ug/L		101	70 - 130
cis-1,3-Dichloropropene	50.0	54.9		ug/L		110	70 - 130
Dibromomethane	50.0	48.8		ug/L		98	70 - 130
Dichlorobromomethane	50.0	48.4		ug/L		97	70 - 130
Dichlorodifluoromethane	50.0	53.9		ug/L		108	70 - 130
Ethyl ether	50.0	49.8		ug/L		100	70 - 130
Ethylbenzene	50.0	51.0		ug/L		102	70 - 130
Ethylene Dibromide	50.0	54.2		ug/L		108	70 - 130
Hexachlorobutadiene	50.0	48.5		ug/L		97	70 - 130
Isopropyl ether	50.0	52.6		ug/L		105	70 - 130
Isopropylbenzene	50.0	51.1		ug/L		102	70 - 130
Methyl tert-butyl ether	50.0	50.0		ug/L		100	70 - 130
Methylene Chloride	50.0	49.8		ug/L		100	70 - 130
m-Xylene & p-Xylene	50.0	50.7		ug/L		101	70 - 130
Naphthalene	50.0	54.8		ug/L		110	70 - 130
n-Butylbenzene	50.0	54.2		ug/L		108	70 - 130
N-Propylbenzene	50.0	52.1		ug/L		104	70 - 130
o-Xylene	50.0	50.7		ug/L		101	70 - 130
sec-Butylbenzene	50.0	51.2		ug/L		102	70 - 130
Styrene	50.0	52.7		ug/L		105	70 - 130
Tert-amyl methyl ether	50.0	48.2		ug/L		96	70 - 130

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

Lab Sample ID: LCS 490-195081/3
Matrix: Water
Analysis Batch: 195081

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tert-butyl ethyl ether	50.0	49.3		ug/L		99	70 - 130
tert-Butylbenzene	50.0	50.1		ug/L		100	70 - 130
Tetrachloroethene	50.0	54.9		ug/L		110	70 - 130
Tetrahydrofuran	100	111		ug/L		111	70 - 130
Toluene	50.0	55.2		ug/L		110	70 - 130
trans-1,2-Dichloroethene	50.0	50.6		ug/L		101	70 - 130
trans-1,3-Dichloropropene	50.0	53.8		ug/L		108	70 - 130
Trichloroethene	50.0	48.5		ug/L		97	70 - 130
Trichlorofluoromethane	50.0	52.8		ug/L		106	70 - 130
Vinyl chloride	50.0	49.2		ug/L		98	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*101*		*70 - 130*
Toluene-d8 (Surr)	*109*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: LCSD 490-195081/4
Matrix: Water
Analysis Batch: 195081

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	50.0	50.9		ug/L		102	70 - 130	1	20
1,1,1-Trichloroethane	50.0	49.3		ug/L		99	70 - 130	1	20
1,1,2,2-Tetrachloroethane	50.0	49.9		ug/L		100	70 - 130	1	20
1,1,2-Trichloroethane	50.0	53.1		ug/L		106	70 - 130	0	20
1,1-Dichloroethane	50.0	48.8		ug/L		98	70 - 130	1	20
1,1-Dichloroethene	50.0	49.0		ug/L		98	70 - 130	1	20
1,1-Dichloropropene	50.0	48.6		ug/L		97	70 - 130	1	20
1,2,3-Trichlorobenzene	50.0	51.4		ug/L		103	70 - 130	1	20
1,2,3-Trichloropropane	50.0	49.7		ug/L		99	70 - 130	2	20
1,2,4-Trichlorobenzene	50.0	53.1		ug/L		106	70 - 130	1	20
1,2,4-Trimethylbenzene	50.0	50.2		ug/L		100	70 - 130	2	20
1,2-Dibromo-3-Chloropropane	50.0	47.6		ug/L		95	70 - 130	2	20
1,2-Dichlorobenzene	50.0	52.1		ug/L		104	70 - 130	0	20
1,2-Dichloroethane	50.0	52.0		ug/L		104	70 - 130	0	20
1,2-Dichloropropane	50.0	48.5		ug/L		97	70 - 130	1	20
1,3,5-Trimethylbenzene	50.0	50.9		ug/L		102	70 - 130	2	20
1,3-Dichlorobenzene	50.0	50.9		ug/L		102	70 - 130	1	20
1,3-Dichloropropane	50.0	55.6		ug/L		111	70 - 130	2	20
1,4-Dichlorobenzene	50.0	49.8		ug/L		100	70 - 130	1	20
1,4-Dioxane	1000	948		ug/L		95	70 - 130	7	20
2,2-Dichloropropane	50.0	47.9		ug/L		96	70 - 130	3	20
2-Butanone (MEK)	250	254		ug/L		102	70 - 130	1	20
2-Chlorotoluene	50.0	48.2		ug/L		96	70 - 130	1	20
2-Hexanone	250	279		ug/L		112	70 - 130	2	20
4-Chlorotoluene	50.0	51.4		ug/L		103	70 - 130	2	20
4-Isopropyltoluene	50.0	49.6		ug/L		99	70 - 130	1	20

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

Lab Sample ID: LCSD 490-195081/4
Matrix: Water
Analysis Batch: 195081

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
4-Methyl-2-pentanone (MIBK)			250	292		ug/L		117	70 - 130	2	20
Acetone			250	265		ug/L		106	70 - 130	2	20
Benzene			50.0	48.9		ug/L		98	70 - 130	1	20
Bromobenzene			50.0	48.9		ug/L		98	70 - 130	1	20
Bromoform			50.0	52.0		ug/L		104	70 - 130	0	20
Bromomethane			50.0	52.1		ug/L		104	70 - 130	0	20
Carbon disulfide			50.0	50.4		ug/L		101	70 - 130	2	20
Carbon tetrachloride			50.0	48.9		ug/L		98	70 - 130	2	20
Chlorobenzene			50.0	49.3		ug/L		99	70 - 130	2	20
Chlorobromomethane			50.0	49.9		ug/L		100	70 - 130	1	20
Chlorodibromomethane			50.0	51.8		ug/L		104	70 - 130	2	20
Chloroethane			50.0	48.2		ug/L		96	70 - 130	3	20
Chloroform			50.0	48.4		ug/L		97	70 - 130	0	20
Chloromethane			50.0	47.0		ug/L		94	70 - 130	0	20
cis-1,2-Dichloroethene			50.0	50.0		ug/L		100	70 - 130	1	20
cis-1,3-Dichloropropene			50.0	53.9		ug/L		108	70 - 130	2	20
Dibromomethane			50.0	49.1		ug/L		98	70 - 130	1	20
Dichlorobromomethane			50.0	47.9		ug/L		96	70 - 130	1	20
Dichlorodifluoromethane			50.0	53.1		ug/L		106	70 - 130	1	20
Ethyl ether			50.0	50.5		ug/L		101	70 - 130	1	20
Ethylbenzene			50.0	49.6		ug/L		99	70 - 130	3	20
Ethylene Dibromide			50.0	53.1		ug/L		106	70 - 130	2	20
Hexachlorobutadiene			50.0	46.9		ug/L		94	70 - 130	3	20
Isopropyl ether			50.0	52.8		ug/L		106	70 - 130	0	20
Isopropylbenzene			50.0	49.8		ug/L		100	70 - 130	3	20
Methyl tert-butyl ether			50.0	50.1		ug/L		100	70 - 130	0	20
Methylene Chloride			50.0	50.3		ug/L		101	70 - 130	1	20
m-Xylene & p-Xylene			50.0	49.5		ug/L		99	70 - 130	2	20
Naphthalene			50.0	53.8		ug/L		108	70 - 130	2	20
n-Butylbenzene			50.0	52.7		ug/L		105	70 - 130	3	20
N-Propylbenzene			50.0	51.2		ug/L		102	70 - 130	2	20
o-Xylene			50.0	49.7		ug/L		99	70 - 130	2	20
sec-Butylbenzene			50.0	50.3		ug/L		101	70 - 130	2	20
Styrene			50.0	51.9		ug/L		104	70 - 130	2	20
Tert-amyl methyl ether			50.0	47.9		ug/L		96	70 - 130	1	20
Tert-butyl ethyl ether			50.0	49.0		ug/L		98	70 - 130	1	20
tert-Butylbenzene			50.0	49.3		ug/L		99	70 - 130	2	20
Tetrachloroethene			50.0	53.2		ug/L		106	70 - 130	3	20
Tetrahydrofuran			100	111		ug/L		111	70 - 130	1	20
Toluene			50.0	54.2		ug/L		108	70 - 130	2	20
trans-1,2-Dichloroethene			50.0	50.1		ug/L		100	70 - 130	1	20
trans-1,3-Dichloropropene			50.0	52.4		ug/L		105	70 - 130	3	20
Trichloroethene			50.0	48.2		ug/L		96	70 - 130	1	20
Trichlorofluoromethane			50.0	52.1		ug/L		104	70 - 130	1	20
Vinyl chloride			50.0	48.7		ug/L		97	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*100*		*70 - 130*

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

Lab Sample ID: LCSD 490-195081/4
Matrix: Water
Analysis Batch: 195081

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	*109*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: MB 490-195227/7
Matrix: Water
Analysis Batch: 195227

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			10/04/14 02:12	1
1,1,1-Trichloroethane	ND		1.0		ug/L			10/04/14 02:12	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			10/04/14 02:12	1
1,1,2-Trichloroethane	ND		1.0		ug/L			10/04/14 02:12	1
1,1-Dichloroethane	ND		1.0		ug/L			10/04/14 02:12	1
1,1-Dichloroethene	ND		1.0		ug/L			10/04/14 02:12	1
1,1-Dichloropropene	ND		1.0		ug/L			10/04/14 02:12	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			10/04/14 02:12	1
1,2,3-Trichloropropane	ND		1.0		ug/L			10/04/14 02:12	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			10/04/14 02:12	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			10/04/14 02:12	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			10/04/14 02:12	1
1,2-Dichlorobenzene	ND		1.0		ug/L			10/04/14 02:12	1
1,2-Dichloroethane	ND		1.0		ug/L			10/04/14 02:12	1
1,2-Dichloropropane	ND		1.0		ug/L			10/04/14 02:12	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			10/04/14 02:12	1
1,3-Dichlorobenzene	ND		1.0		ug/L			10/04/14 02:12	1
1,3-Dichloropropane	ND		1.0		ug/L			10/04/14 02:12	1
1,4-Dichlorobenzene	ND		1.0		ug/L			10/04/14 02:12	1
1,4-Dioxane	ND		200		ug/L			10/04/14 02:12	1
2,2-Dichloropropane	ND		1.0		ug/L			10/04/14 02:12	1
2-Butanone (MEK)	ND		50		ug/L			10/04/14 02:12	1
2-Chlorotoluene	ND		1.0		ug/L			10/04/14 02:12	1
2-Hexanone	ND		10		ug/L			10/04/14 02:12	1
4-Chlorotoluene	ND		1.0		ug/L			10/04/14 02:12	1
4-Isopropyltoluene	ND		1.0		ug/L			10/04/14 02:12	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			10/04/14 02:12	1
Acetone	ND		25		ug/L			10/04/14 02:12	1
Benzene	ND		1.0		ug/L			10/04/14 02:12	1
Bromobenzene	ND		1.0		ug/L			10/04/14 02:12	1
Bromoform	ND		1.0		ug/L			10/04/14 02:12	1
Bromomethane	ND		1.0		ug/L			10/04/14 02:12	1
Carbon disulfide	ND		1.0		ug/L			10/04/14 02:12	1
Carbon tetrachloride	ND		1.0		ug/L			10/04/14 02:12	1
Chlorobenzene	ND		1.0		ug/L			10/04/14 02:12	1
Chlorobromomethane	ND		1.0		ug/L			10/04/14 02:12	1
Chlorodibromomethane	ND		1.0		ug/L			10/04/14 02:12	1
Chloroethane	ND		1.0		ug/L			10/04/14 02:12	1
Chloroform	ND		1.0		ug/L			10/04/14 02:12	1

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

Lab Sample ID: MB 490-195227/7
Matrix: Water
Analysis Batch: 195227

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0		ug/L			10/04/14 02:12	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			10/04/14 02:12	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			10/04/14 02:12	1
Dibromomethane	ND		1.0		ug/L			10/04/14 02:12	1
Dichlorobromomethane	ND		1.0		ug/L			10/04/14 02:12	1
Dichlorodifluoromethane	ND		1.0		ug/L			10/04/14 02:12	1
Ethyl ether	ND		5.0		ug/L			10/04/14 02:12	1
Ethylbenzene	ND		1.0		ug/L			10/04/14 02:12	1
Ethylene Dibromide	ND		1.0		ug/L			10/04/14 02:12	1
Hexachlorobutadiene	ND		2.0		ug/L			10/04/14 02:12	1
Isopropyl ether	ND		2.0		ug/L			10/04/14 02:12	1
Isopropylbenzene	ND		1.0		ug/L			10/04/14 02:12	1
Methyl tert-butyl ether	ND		1.0		ug/L			10/04/14 02:12	1
Methylene Chloride	ND		5.0		ug/L			10/04/14 02:12	1
m-Xylene & p-Xylene	ND		2.0		ug/L			10/04/14 02:12	1
Naphthalene	ND		5.0		ug/L			10/04/14 02:12	1
n-Butylbenzene	ND		1.0		ug/L			10/04/14 02:12	1
N-Propylbenzene	ND		1.0		ug/L			10/04/14 02:12	1
o-Xylene	ND		1.0		ug/L			10/04/14 02:12	1
sec-Butylbenzene	ND		1.0		ug/L			10/04/14 02:12	1
Styrene	ND		1.0		ug/L			10/04/14 02:12	1
Tert-amyl methyl ether	ND		1.0		ug/L			10/04/14 02:12	1
Tert-butyl ethyl ether	ND		1.0		ug/L			10/04/14 02:12	1
tert-Butylbenzene	ND		1.0		ug/L			10/04/14 02:12	1
Tetrachloroethene	ND		1.0		ug/L			10/04/14 02:12	1
Tetrahydrofuran	ND		10		ug/L			10/04/14 02:12	1
Toluene	ND		1.0		ug/L			10/04/14 02:12	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			10/04/14 02:12	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			10/04/14 02:12	1
Trichloroethene	ND		1.0		ug/L			10/04/14 02:12	1
Trichlorofluoromethane	ND		1.0		ug/L			10/04/14 02:12	1
Vinyl chloride	ND		1.0		ug/L			10/04/14 02:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*10/04/14 02:12*	*1*
Toluene-d8 (Surr)	*114*		*70 - 130*		*10/04/14 02:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*		*10/04/14 02:12*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*10/04/14 02:12*	*1*

Lab Sample ID: LCS 490-195227/3
Matrix: Water
Analysis Batch: 195227

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	50.0	51.9		ug/L		104	70 - 130
1,1,1-Trichloroethane	50.0	52.3		ug/L		105	70 - 130
1,1,2,2-Tetrachloroethane	50.0	49.0		ug/L		98	70 - 130
1,1,2-Trichloroethane	50.0	52.9		ug/L		106	70 - 130

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

Lab Sample ID: LCS 490-195227/3
Matrix: Water
Analysis Batch: 195227

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	50.0	52.5		ug/L		105	70 - 130
1,1-Dichloroethene	50.0	52.0		ug/L		104	70 - 130
1,1-Dichloropropene	50.0	51.2		ug/L		102	70 - 130
1,2,3-Trichlorobenzene	50.0	51.7		ug/L		103	70 - 130
1,2,3-Trichloropropane	50.0	49.8		ug/L		100	70 - 130
1,2,4-Trichlorobenzene	50.0	54.4		ug/L		109	70 - 130
1,2,4-Trimethylbenzene	50.0	52.6		ug/L		105	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	46.0		ug/L		92	70 - 130
1,2-Dichlorobenzene	50.0	53.2		ug/L		106	70 - 130
1,2-Dichloroethane	50.0	54.8		ug/L		110	70 - 130
1,2-Dichloropropane	50.0	51.4		ug/L		103	70 - 130
1,3,5-Trimethylbenzene	50.0	53.4		ug/L		107	70 - 130
1,3-Dichlorobenzene	50.0	52.3		ug/L		105	70 - 130
1,3-Dichloropropane	50.0	55.9		ug/L		112	70 - 130
1,4-Dichlorobenzene	50.0	51.0		ug/L		102	70 - 130
1,4-Dioxane	1000	974		ug/L		97	70 - 130
2,2-Dichloropropane	50.0	48.4		ug/L		97	70 - 130
2-Butanone (MEK)	250	253		ug/L		101	70 - 130
2-Chlorotoluene	50.0	50.7		ug/L		101	70 - 130
2-Hexanone	250	269		ug/L		108	70 - 130
4-Chlorotoluene	50.0	53.0		ug/L		106	70 - 130
4-Isopropyltoluene	50.0	52.2		ug/L		104	70 - 130
4-Methyl-2-pentanone (MIBK)	250	283		ug/L		113	70 - 130
Acetone	250	251		ug/L		100	70 - 130
Benzene	50.0	51.7		ug/L		103	70 - 130
Bromobenzene	50.0	50.0		ug/L		100	70 - 130
Bromoform	50.0	51.2		ug/L		102	70 - 130
Bromomethane	50.0	53.2		ug/L		106	70 - 130
Carbon disulfide	50.0	55.3		ug/L		111	70 - 130
Carbon tetrachloride	50.0	51.9		ug/L		104	70 - 130
Chlorobenzene	50.0	51.0		ug/L		102	70 - 130
Chlorobromomethane	50.0	52.3		ug/L		105	70 - 130
Chlorodibromomethane	50.0	52.3		ug/L		105	70 - 130
Chloroethane	50.0	52.0		ug/L		104	70 - 130
Chloroform	50.0	51.4		ug/L		103	70 - 130
Chloromethane	50.0	50.7		ug/L		101	70 - 130
cis-1,2-Dichloroethene	50.0	53.9		ug/L		108	70 - 130
cis-1,3-Dichloropropene	50.0	54.5		ug/L		109	70 - 130
Dibromomethane	50.0	50.1		ug/L		100	70 - 130
Dichlorobromomethane	50.0	50.3		ug/L		101	70 - 130
Dichlorodifluoromethane	50.0	54.7		ug/L		109	70 - 130
Ethyl ether	50.0	52.3		ug/L		105	70 - 130
Ethylbenzene	50.0	52.2		ug/L		104	70 - 130
Ethylene Dibromide	50.0	53.0		ug/L		106	70 - 130
Hexachlorobutadiene	50.0	52.4		ug/L		105	70 - 130
Isopropyl ether	50.0	55.3		ug/L		111	70 - 130
Isopropylbenzene	50.0	52.6		ug/L		105	70 - 130
Methyl tert-butyl ether	50.0	50.5		ug/L		101	70 - 130

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

Lab Sample ID: LCS 490-195227/3
Matrix: Water
Analysis Batch: 195227

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	50.0	53.1		ug/L		106	70 - 130
m-Xylene & p-Xylene	50.0	51.8		ug/L		104	70 - 130
Naphthalene	50.0	51.9		ug/L		104	70 - 130
n-Butylbenzene	50.0	56.7		ug/L		113	70 - 130
N-Propylbenzene	50.0	54.2		ug/L		108	70 - 130
o-Xylene	50.0	52.3		ug/L		105	70 - 130
sec-Butylbenzene	50.0	53.3		ug/L		107	70 - 130
Styrene	50.0	54.5		ug/L		109	70 - 130
Tert-amyl methyl ether	50.0	47.6		ug/L		95	70 - 130
Tert-butyl ethyl ether	50.0	49.9		ug/L		100	70 - 130
tert-Butylbenzene	50.0	51.1		ug/L		102	70 - 130
Tetrachloroethene	50.0	54.1		ug/L		108	70 - 130
Tetrahydrofuran	100	111		ug/L		111	70 - 130
Toluene	50.0	56.7		ug/L		113	70 - 130
trans-1,2-Dichloroethene	50.0	54.2		ug/L		108	70 - 130
trans-1,3-Dichloropropene	50.0	53.2		ug/L		106	70 - 130
Trichloroethene	50.0	51.1		ug/L		102	70 - 130
Trichlorofluoromethane	50.0	56.4		ug/L		113	70 - 130
Vinyl chloride	50.0	52.5		ug/L		105	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*109*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: LCSD 490-195227/4
Matrix: Water
Analysis Batch: 195227

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	50.0	50.2		ug/L		100	70 - 130	3	20
1,1,1-Trichloroethane	50.0	49.5		ug/L		99	70 - 130	6	20
1,1,2,2-Tetrachloroethane	50.0	48.0		ug/L		96	70 - 130	2	20
1,1,2-Trichloroethane	50.0	51.8		ug/L		104	70 - 130	2	20
1,1-Dichloroethane	50.0	50.0		ug/L		100	70 - 130	5	20
1,1-Dichloroethene	50.0	49.0		ug/L		98	70 - 130	6	20
1,1-Dichloropropene	50.0	49.3		ug/L		99	70 - 130	4	20
1,2,3-Trichlorobenzene	50.0	50.1		ug/L		100	70 - 130	3	20
1,2,3-Trichloropropane	50.0	48.0		ug/L		96	70 - 130	4	20
1,2,4-Trichlorobenzene	50.0	51.0		ug/L		102	70 - 130	6	20
1,2,4-Trimethylbenzene	50.0	51.6		ug/L		103	70 - 130	2	20
1,2-Dibromo-3-Chloropropane	50.0	44.7		ug/L		89	70 - 130	3	20
1,2-Dichlorobenzene	50.0	52.0		ug/L		104	70 - 130	2	20
1,2-Dichloroethane	50.0	52.7		ug/L		105	70 - 130	4	20
1,2-Dichloropropane	50.0	48.6		ug/L		97	70 - 130	6	20
1,3,5-Trimethylbenzene	50.0	52.2		ug/L		104	70 - 130	2	20
1,3-Dichlorobenzene	50.0	51.3		ug/L		103	70 - 130	2	20

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

Lab Sample ID: LCSD 490-195227/4
Matrix: Water
Analysis Batch: 195227

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
1,3-Dichloropropane	50.0	55.1		ug/L		110	70 - 130	1	20
1,4-Dichlorobenzene	50.0	50.1		ug/L		100	70 - 130	2	20
1,4-Dioxane	1000	910		ug/L		91	70 - 130	7	20
2,2-Dichloropropane	50.0	45.3		ug/L		91	70 - 130	7	20
2-Butanone (MEK)	250	245		ug/L		98	70 - 130	3	20
2-Chlorotoluene	50.0	49.2		ug/L		98	70 - 130	3	20
2-Hexanone	250	267		ug/L		107	70 - 130	1	20
4-Chlorotoluene	50.0	52.8		ug/L		106	70 - 130	0	20
4-Isopropyltoluene	50.0	50.7		ug/L		101	70 - 130	3	20
4-Methyl-2-pentanone (MIBK)	250	278		ug/L		111	70 - 130	2	20
Acetone	250	259		ug/L		104	70 - 130	3	20
Benzene	50.0	49.5		ug/L		99	70 - 130	4	20
Bromobenzene	50.0	48.9		ug/L		98	70 - 130	2	20
Bromoform	50.0	49.0		ug/L		98	70 - 130	4	20
Bromomethane	50.0	49.6		ug/L		99	70 - 130	7	20
Carbon disulfide	50.0	53.1		ug/L		106	70 - 130	4	20
Carbon tetrachloride	50.0	49.6		ug/L		99	70 - 130	4	20
Chlorobenzene	50.0	49.8		ug/L		100	70 - 130	2	20
Chlorobromomethane	50.0	49.8		ug/L		100	70 - 130	5	20
Chlorodibromomethane	50.0	51.3		ug/L		103	70 - 130	2	20
Chloroethane	50.0	50.0		ug/L		100	70 - 130	4	20
Chloroform	50.0	49.5		ug/L		99	70 - 130	4	20
Chloromethane	50.0	47.5		ug/L		95	70 - 130	6	20
cis-1,2-Dichloroethene	50.0	50.2		ug/L		100	70 - 130	7	20
cis-1,3-Dichloropropene	50.0	52.9		ug/L		106	70 - 130	3	20
Dibromomethane	50.0	48.5		ug/L		97	70 - 130	3	20
Dichlorobromomethane	50.0	48.1		ug/L		96	70 - 130	4	20
Dichlorodifluoromethane	50.0	52.4		ug/L		105	70 - 130	4	20
Ethyl ether	50.0	49.9		ug/L		100	70 - 130	5	20
Ethylbenzene	50.0	50.5		ug/L		101	70 - 130	3	20
Ethylene Dibromide	50.0	51.5		ug/L		103	70 - 130	3	20
Hexachlorobutadiene	50.0	48.1		ug/L		96	70 - 130	9	20
Isopropyl ether	50.0	53.4		ug/L		107	70 - 130	4	20
Isopropylbenzene	50.0	50.8		ug/L		102	70 - 130	3	20
Methyl tert-butyl ether	50.0	48.8		ug/L		98	70 - 130	4	20
Methylene Chloride	50.0	50.6		ug/L		101	70 - 130	5	20
m-Xylene & p-Xylene	50.0	50.2		ug/L		100	70 - 130	3	20
Naphthalene	50.0	51.5		ug/L		103	70 - 130	1	20
n-Butylbenzene	50.0	55.0		ug/L		110	70 - 130	3	20
N-Propylbenzene	50.0	52.6		ug/L		105	70 - 130	3	20
o-Xylene	50.0	50.6		ug/L		101	70 - 130	3	20
sec-Butylbenzene	50.0	51.6		ug/L		103	70 - 130	3	20
Styrene	50.0	52.4		ug/L		105	70 - 130	4	20
Tert-amyl methyl ether	50.0	46.1		ug/L		92	70 - 130	3	20
Tert-butyl ethyl ether	50.0	48.4		ug/L		97	70 - 130	3	20
tert-Butylbenzene	50.0	49.5		ug/L		99	70 - 130	3	20
Tetrachloroethene	50.0	52.5		ug/L		105	70 - 130	3	20
Tetrahydrofuran	100	107		ug/L		107	70 - 130	4	20

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

Lab Sample ID: LCSD 490-195227/4
Matrix: Water
Analysis Batch: 195227

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
Toluene			50.0	54.8		ug/L		110	70 - 130	3	20
trans-1,2-Dichloroethene			50.0	51.2		ug/L		102	70 - 130	6	20
trans-1,3-Dichloropropene			50.0	51.6		ug/L		103	70 - 130	3	20
Trichloroethene			50.0	49.1		ug/L		98	70 - 130	4	20
Trichlorofluoromethane			50.0	53.1		ug/L		106	70 - 130	6	20
Vinyl chloride			50.0	49.6		ug/L		99	70 - 130	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*101*		*70 - 130*
Toluene-d8 (Surr)	*108*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*

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

Lab Sample ID: MB 200-77937/1-A
Matrix: Water
Analysis Batch: 77976

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 77937

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.20		ug/L		09/29/14 13:02	09/30/14 10:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8 (Surr)	*86*		*70 - 130*	*09/29/14 13:02*	*09/30/14 10:07*	*1*

Lab Sample ID: LCS 200-77937/2-A
Matrix: Water
Analysis Batch: 77976

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 77937

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane			0.200	0.180	J	ug/L		90	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8 (Surr)	*79*		*70 - 130*

GC/MS VOA

Analysis Batch: 194457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67875-1	DEP-19M-20140921	Total/NA	Water	8260C	
480-67875-2	DEP-21-20140921	Total/NA	Water	8260C	
480-67875-3	MW-261S-20140923	Total/NA	Water	8260C	
480-67875-4	MW-263M-20140921	Total/NA	Water	8260C	
LCS 490-194457/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 490-194457/4	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 490-194457/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 194717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67875-21	MW-561-20140922	Total/NA	Water	8260C	
480-67875-22	MW-562-20140922	Total/NA	Water	8260C	
480-67875-23	MW-563-20140922	Total/NA	Water	8260C	
480-67875-24	REW-1-20140923	Total/NA	Water	8260C	
480-67875-25	REW-4-20140923	Total/NA	Water	8260C	
480-67875-26	REW-5-20140923	Total/NA	Water	8260C	
480-67875-27	REW-6-20140922	Total/NA	Water	8260C	
480-67875-28	REW-7-20140922	Total/NA	Water	8260C	
480-67875-29	REW-8-20140922	Total/NA	Water	8260C	
480-67875-30	REW-9-20140922	Total/NA	Water	8260C	
480-67875-31	REW-10-20140923	Total/NA	Water	8260C	
480-67875-32	REW-11-20140922	Total/NA	Water	8260C	
480-67875-33	REW-12-20140922	Total/NA	Water	8260C	
480-67875-34	DUP1-20140920	Total/NA	Water	8260C	
480-67875-37	TRIP BLANKS	Total/NA	Water	8260C	
LCS 490-194717/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 490-194717/4	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 490-194717/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 194754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67875-1	DEP-19M-20140921	Total/NA	Water	8260C	
480-67875-5	MW-264M-20140921	Total/NA	Water	8260C	
480-67875-6	MW-265S-20140920	Total/NA	Water	8260C	
480-67875-7	MW-265M-20140923	Total/NA	Water	8260C	
480-67875-8	MW-265D-20140920	Total/NA	Water	8260C	
480-67875-9	MW-266Ma-20140920	Total/NA	Water	8260C	
LCS 490-194754/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 490-194754/4	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 490-194754/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 194871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67875-35	DUP2-20140922	Total/NA	Water	8260C	
480-67875-36	DUP3-20140923	Total/NA	Water	8260C	
LCS 490-194871/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 490-194871/4	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 490-194871/7	Method Blank	Total/NA	Water	8260C	

GC/MS VOA (Continued)

Analysis Batch: 194946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67875-10	MW-266Mb-20140920	Total/NA	Water	8260C	
480-67875-11	MW-267S-20140920	Total/NA	Water	8260C	
480-67875-12	MW-267M-20140920	Total/NA	Water	8260C	
480-67875-13	MW-268S-20140923	Total/NA	Water	8260C	
480-67875-14	MW-268M-20140923	Total/NA	Water	8260C	
480-67875-15	MW-268D-20140920	Total/NA	Water	8260C	
480-67875-16	MW-269Ma-20140920	Total/NA	Water	8260C	
480-67875-17	MW-551-20140920	Total/NA	Water	8260C	
480-67875-18	MW-552-20140923	Total/NA	Water	8260C	
480-67875-19	MW-553-20140922	Total/NA	Water	8260C	
480-67875-20	MW-560-20140922	Total/NA	Water	8260C	
LCS 490-194946/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 490-194946/4	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 490-194946/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 195016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67875-21	MW-561-20140922	Total/NA	Water	8260C	
480-67875-28	REW-7-20140922	Total/NA	Water	8260C	
480-67875-33	REW-12-20140922	Total/NA	Water	8260C	
480-67875-35	DUP2-20140922	Total/NA	Water	8260C	
LCS 490-195016/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 490-195016/4	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 490-195016/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 195033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67875-11	MW-267S-20140920	Total/NA	Water	8260C	
480-67875-14	MW-268M-20140923	Total/NA	Water	8260C	
480-67875-15	MW-268D-20140920	Total/NA	Water	8260C	
480-67875-18	MW-552-20140923	Total/NA	Water	8260C	
480-67875-19	MW-553-20140922	Total/NA	Water	8260C	
LCS 490-195033/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 490-195033/4	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 490-195033/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 195081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67875-32	REW-11-20140922	Total/NA	Water	8260C	
LCS 490-195081/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 490-195081/4	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 490-195081/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 195227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67875-27	REW-6-20140922	Total/NA	Water	8260C	
LCS 490-195227/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 490-195227/4	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 490-195227/7	Method Blank	Total/NA	Water	8260C	

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

TestAmerica Job ID: 480-67875-1

GC/MS Semi VOA

Prep Batch: 77937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67875-3	MW-261S-20140923	Total/NA	Water	3535A	
480-67875-7	MW-265M-20140923	Total/NA	Water	3535A	
480-67875-9	MW-266Ma-20140920	Total/NA	Water	3535A	
480-67875-11	MW-267S-20140920	Total/NA	Water	3535A	
480-67875-12	MW-267M-20140920	Total/NA	Water	3535A	
480-67875-13	MW-268S-20140923	Total/NA	Water	3535A	
480-67875-14	MW-268M-20140923	Total/NA	Water	3535A	
480-67875-16	MW-269Ma-20140920	Total/NA	Water	3535A	
480-67875-18	MW-552-20140923	Total/NA	Water	3535A	
480-67875-36	DUP3-20140923	Total/NA	Water	3535A	
LCS 200-77937/2-A	Lab Control Sample	Total/NA	Water	3535A	
MB 200-77937/1-A	Method Blank	Total/NA	Water	3535A	

Analysis Batch: 77976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-67875-3	MW-261S-20140923	Total/NA	Water	522 MOD	77937
480-67875-7	MW-265M-20140923	Total/NA	Water	522 MOD	77937
480-67875-9	MW-266Ma-20140920	Total/NA	Water	522 MOD	77937
480-67875-11	MW-267S-20140920	Total/NA	Water	522 MOD	77937
480-67875-12	MW-267M-20140920	Total/NA	Water	522 MOD	77937
480-67875-13	MW-268S-20140923	Total/NA	Water	522 MOD	77937
480-67875-14	MW-268M-20140923	Total/NA	Water	522 MOD	77937
480-67875-16	MW-269Ma-20140920	Total/NA	Water	522 MOD	77937
480-67875-18	MW-552-20140923	Total/NA	Water	522 MOD	77937
480-67875-36	DUP3-20140923	Total/NA	Water	522 MOD	77937
LCS 200-77937/2-A	Lab Control Sample	Total/NA	Water	522 MOD	77937
MB 200-77937/1-A	Method Blank	Total/NA	Water	522 MOD	77937

Client Sample ID: DEP-19M-20140921

Lab Sample ID: 480-67875-1

Date Collected: 09/21/14 09:50

Matrix: Water

Date Received: 09/24/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	194457	10/01/14 21:00	MJH	TAL NSH
Total/NA	Analysis	8260C		1	194754	10/02/14 18:59	MJH	TAL NSH

Client Sample ID: DEP-21-20140921

Lab Sample ID: 480-67875-2

Date Collected: 09/21/14 09:00

Matrix: Water

Date Received: 09/24/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	194457	10/01/14 21:28	MJH	TAL NSH

Client Sample ID: MW-261S-20140923

Lab Sample ID: 480-67875-3

Date Collected: 09/23/14 07:25

Matrix: Water

Date Received: 09/24/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	194457	10/01/14 21:56	MJH	TAL NSH
Total/NA	Prep	3535A			77937	09/29/14 13:02	EAN	TAL BUR
Total/NA	Analysis	522 MOD		1	77976	09/30/14 12:01	KHW	TAL BUR

Client Sample ID: MW-263M-20140921

Lab Sample ID: 480-67875-4

Date Collected: 09/21/14 12:20

Matrix: Water

Date Received: 09/24/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	194457	10/01/14 22:24	MJH	TAL NSH

Client Sample ID: MW-264M-20140921

Lab Sample ID: 480-67875-5

Date Collected: 09/21/14 11:15

Matrix: Water

Date Received: 09/24/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	194754	10/02/14 20:23	MJH	TAL NSH

Client Sample ID: MW-265S-20140920

Lab Sample ID: 480-67875-6

Date Collected: 09/20/14 09:15

Matrix: Water

Date Received: 09/24/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	194754	10/02/14 20:51	MJH	TAL NSH

Client Sample ID: MW-265M-20140923

Lab Sample ID: 480-67875-7

Date Collected: 09/23/14 13:40

Matrix: Water

Date Received: 09/24/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	194754	10/02/14 21:19	MJH	TAL NSH
Total/NA	Prep	3535A			77937	09/29/14 13:02	EAN	TAL BUR
Total/NA	Analysis	522 MOD		1	77976	09/30/14 12:17	KHW	TAL BUR

Client Sample ID: MW-265D-20140920

Lab Sample ID: 480-67875-8

Date Collected: 09/20/14 09:45

Matrix: Water

Date Received: 09/24/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	194754	10/02/14 21:47	MJH	TAL NSH

Client Sample ID: MW-266Ma-20140920

Lab Sample ID: 480-67875-9

Date Collected: 09/20/14 10:15

Matrix: Water

Date Received: 09/24/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	194754	10/02/14 22:15	MJH	TAL NSH
Total/NA	Prep	3535A			77937	09/29/14 13:02	EAN	TAL BUR
Total/NA	Analysis	522 MOD		1	77976	09/30/14 12:33	KHW	TAL BUR

Client Sample ID: MW-266Mb-20140920

Lab Sample ID: 480-67875-10

Date Collected: 09/20/14 10:45

Matrix: Water

Date Received: 09/24/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	194946	10/03/14 02:26	MJH	TAL NSH

Client Sample ID: MW-267S-20140920

Lab Sample ID: 480-67875-11

Date Collected: 09/20/14 11:45

Matrix: Water

Date Received: 09/24/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	194946	10/03/14 02:54	MJH	TAL NSH
Total/NA	Analysis	8260C		10	195033	10/03/14 14:31	MJH	TAL NSH
Total/NA	Prep	3535A			77937	09/29/14 13:02	EAN	TAL BUR
Total/NA	Analysis	522 MOD		1	77976	09/30/14 12:50	KHW	TAL BUR

Client Sample ID: MW-267M-20140920

Lab Sample ID: 480-67875-12

Date Collected: 09/20/14 12:15

Matrix: Water

Date Received: 09/24/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	194946	10/03/14 03:22	MJH	TAL NSH
Total/NA	Prep	3535A			77937	09/29/14 13:02	EAN	TAL BUR
Total/NA	Analysis	522 MOD		1	77976	09/30/14 13:06	KHW	TAL BUR

Client Sample ID: MW-268S-20140923

Lab Sample ID: 480-67875-13

Date Collected: 09/23/14 10:35

Matrix: Water

Date Received: 09/24/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	194946	10/03/14 03:50	MJH	TAL NSH
Total/NA	Prep	3535A			77937	09/29/14 13:02	EAN	TAL BUR
Total/NA	Analysis	522 MOD		1	77976	09/30/14 13:22	KHW	TAL BUR

Client Sample ID: MW-268M-20140923

Lab Sample ID: 480-67875-14

Date Collected: 09/23/14 09:40

Matrix: Water

Date Received: 09/24/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	194946	10/03/14 04:18	MJH	TAL NSH
Total/NA	Analysis	8260C		20	195033	10/03/14 14:59	MJH	TAL NSH
Total/NA	Prep	3535A			77937	09/29/14 13:02	EAN	TAL BUR
Total/NA	Analysis	522 MOD		2.5	77976	09/30/14 17:45	KHW	TAL BUR

Client Sample ID: MW-268D-20140920

Lab Sample ID: 480-67875-15

Date Collected: 09/20/14 12:55

Matrix: Water

Date Received: 09/24/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	194946	10/03/14 04:46	MJH	TAL NSH
Total/NA	Analysis	8260C		1	195033	10/03/14 13:36	MJH	TAL NSH

Client Sample ID: MW-269Ma-20140920

Lab Sample ID: 480-67875-16

Date Collected: 09/20/14 14:00

Matrix: Water

Date Received: 09/24/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	194946	10/03/14 05:14	MJH	TAL NSH
Total/NA	Prep	3535A			77937	09/29/14 13:02	EAN	TAL BUR
Total/NA	Analysis	522 MOD		1	77976	09/30/14 13:55	KHW	TAL BUR

Client Sample ID: MW-551-20140920

Lab Sample ID: 480-67875-17

Date Collected: 09/20/14 08:40

Matrix: Water

Date Received: 09/24/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	194946	10/03/14 05:42	MJH	TAL NSH

Client Sample ID: MW-552-20140923

Lab Sample ID: 480-67875-18

Date Collected: 09/23/14 08:35

Matrix: Water

Date Received: 09/24/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	194946	10/03/14 06:10	MJH	TAL NSH
Total/NA	Analysis	8260C		20	195033	10/03/14 15:27	MJH	TAL NSH
Total/NA	Prep	3535A			77937	09/29/14 13:02	EAN	TAL BUR
Total/NA	Analysis	522 MOD		1	77976	09/30/14 14:12	KHW	TAL BUR

Client Sample ID: MW-553-20140922

Lab Sample ID: 480-67875-19

Date Collected: 09/22/14 14:10

Matrix: Water

Date Received: 09/24/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	194946	10/03/14 06:38	MJH	TAL NSH
Total/NA	Analysis	8260C		1	195033	10/03/14 14:03	MJH	TAL NSH

Client Sample ID: MW-560-20140922

Lab Sample ID: 480-67875-20

Date Collected: 09/22/14 12:10

Matrix: Water

Date Received: 09/24/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	194946	10/03/14 07:06	MJH	TAL NSH

Client Sample ID: MW-561-20140922

Lab Sample ID: 480-67875-21

Date Collected: 09/22/14 10:50

Matrix: Water

Date Received: 09/24/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	195016	10/03/14 13:37	EML	TAL NSH
Total/NA	Analysis	8260C		1	194717	10/02/14 17:13	EML	TAL NSH

Client Sample ID: MW-562-20140922

Lab Sample ID: 480-67875-22

Date Collected: 09/22/14 09:40

Matrix: Water

Date Received: 09/24/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	194717	10/02/14 17:40	EML	TAL NSH

Lab Chronicle

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

TestAmerica Job ID: 480-67875-1

Client Sample ID: MW-563-20140922
Date Collected: 09/22/14 13:00
Date Received: 09/24/14 01:00

Lab Sample ID: 480-67875-23
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	194717	10/02/14 18:07	EML	TAL NSH

Client Sample ID: REW-1-20140923
Date Collected: 09/23/14 13:40
Date Received: 09/24/14 01:00

Lab Sample ID: 480-67875-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	194717	10/02/14 18:34	EML	TAL NSH

Client Sample ID: REW-4-20140923
Date Collected: 09/23/14 12:35
Date Received: 09/24/14 01:00

Lab Sample ID: 480-67875-25
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	194717	10/02/14 19:00	EML	TAL NSH

Client Sample ID: REW-5-20140923
Date Collected: 09/23/14 11:25
Date Received: 09/24/14 01:00

Lab Sample ID: 480-67875-26
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	194717	10/02/14 19:54	EML	TAL NSH

Client Sample ID: REW-6-20140922
Date Collected: 09/22/14 09:50
Date Received: 09/24/14 01:00

Lab Sample ID: 480-67875-27
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	194717	10/02/14 19:27	EML	TAL NSH
Total/NA	Analysis	8260C		5	195227	10/04/14 10:06	EML	TAL NSH

Client Sample ID: REW-7-20140922
Date Collected: 09/22/14 14:00
Date Received: 09/24/14 01:00

Lab Sample ID: 480-67875-28
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	195016	10/03/14 14:32	EML	TAL NSH
Total/NA	Analysis	8260C		1	194717	10/02/14 20:20	EML	TAL NSH

Client Sample ID: REW-8-20140922

Lab Sample ID: 480-67875-29

Date Collected: 09/22/14 13:15

Matrix: Water

Date Received: 09/24/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	194717	10/02/14 20:47	EML	TAL NSH

Client Sample ID: REW-9-20140922

Lab Sample ID: 480-67875-30

Date Collected: 09/22/14 12:35

Matrix: Water

Date Received: 09/24/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	194717	10/02/14 21:14	EML	TAL NSH

Client Sample ID: REW-10-20140923

Lab Sample ID: 480-67875-31

Date Collected: 09/23/14 12:15

Matrix: Water

Date Received: 09/24/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	194717	10/02/14 21:41	EML	TAL NSH

Client Sample ID: REW-11-20140922

Lab Sample ID: 480-67875-32

Date Collected: 09/22/14 08:15

Matrix: Water

Date Received: 09/24/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	194717	10/02/14 22:08	EML	TAL NSH
Total/NA	Analysis	8260C		10	195081	10/03/14 16:58	EML	TAL NSH

Client Sample ID: REW-12-20140922

Lab Sample ID: 480-67875-33

Date Collected: 09/22/14 11:10

Matrix: Water

Date Received: 09/24/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	195016	10/03/14 15:56	EML	TAL NSH
Total/NA	Analysis	8260C		1	194717	10/02/14 22:35	EML	TAL NSH

Client Sample ID: DUP1-20140920

Lab Sample ID: 480-67875-34

Date Collected: 09/20/14 00:00

Matrix: Water

Date Received: 09/24/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	194717	10/02/14 23:02	EML	TAL NSH

Client Sample ID: DUP2-20140922

Lab Sample ID: 480-67875-35

Date Collected: 09/22/14 00:00

Matrix: Water

Date Received: 09/24/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	195016	10/03/14 15:28	EML	TAL NSH
Total/NA	Analysis	8260C		1	194871	10/03/14 03:34	EML	TAL NSH

Client Sample ID: DUP3-20140923

Lab Sample ID: 480-67875-36

Date Collected: 09/23/14 00:00

Matrix: Water

Date Received: 09/24/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	194871	10/03/14 04:00	EML	TAL NSH
Total/NA	Prep	3535A			77937	09/29/14 13:02	EAN	TAL BUR
Total/NA	Analysis	522 MOD		1	77976	09/30/14 11:12	KHW	TAL BUR

Client Sample ID: TRIP BLANKS

Lab Sample ID: 480-67875-37

Date Collected: 09/23/14 00:00

Matrix: Water

Date Received: 09/24/14 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	194717	10/02/14 14:32	EML	TAL NSH

Laboratory References:

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

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

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

TestAmerica Job ID: 480-67875-1

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-15
California	State Program	9	1169CA	09-30-14 *
Connecticut	State Program	1	PH-0568	09-30-14 *
Florida	NELAP	4	E87672	06-30-15
Georgia	State Program	4	N/A	03-31-15
Georgia	State Program	4	956	03-31-15
Illinois	NELAP	5	200003	09-30-14 *
Iowa	State Program	7	374	03-01-15
Kansas	NELAP	7	E-10187	01-31-15
Kentucky (DW)	State Program	4	90029	12-31-14
Kentucky (UST)	State Program	4	30	03-31-15
Louisiana	NELAP	6	02031	06-30-14 *
Maine	State Program	1	NY00044	12-04-14
Maryland	State Program	3	294	03-31-15
Massachusetts	State Program	1	M-NY044	06-30-15
Michigan	State Program	5	9937	03-31-15
Minnesota	NELAP	5	036-999-337	12-31-14
New Hampshire	NELAP	1	2337	11-17-14
New Jersey	NELAP	2	NY455	06-30-15
New York	NELAP	2	10026	03-31-15
North Dakota	State Program	8	R-176	03-31-14 *
Oklahoma	State Program	6	9421	08-31-15
Oregon	NELAP	10	NY200003	06-09-15
Pennsylvania	NELAP	3	68-00281	07-31-15
Rhode Island	State Program	1	LAO00328	12-30-14
Tennessee	State Program	4	TN02970	03-31-15
Texas	NELAP	6	T104704412-11-2	07-31-15
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-15
Washington	State Program	10	C784	02-10-15
West Virginia DEP	State Program	3	252	09-30-14 *
Wisconsin	State Program	5	998310390	08-31-15

Laboratory: TestAmerica Burlington

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Connecticut	State Program	1	PH-0751	09-30-15
DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	NA	02-13-15
Florida	NELAP	4	E87467	06-30-15
L-A-B	DoD ELAP		L2336	02-26-17
Maine	State Program	1	VT00008	04-17-15
Minnesota	NELAP	5	050-999-436	12-31-14
New Hampshire	NELAP	1	2006	12-18-14
New Jersey	NELAP	2	VT972	06-30-15
New York	NELAP	2	10391	03-31-15
Pennsylvania	NELAP	3	68-00489	04-30-15
Rhode Island	State Program	1	LAO00298	12-30-14
US Fish & Wildlife	Federal		LE-058448-0	02-28-15
USDA	Federal		P330-11-00093	10-28-16

* Certification renewal pending - certification considered valid.

Laboratory: TestAmerica Burlington (Continued)

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

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

Laboratory: TestAmerica Nashville

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

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	A2LA		NA: NELAP & A2LA	12-31-15
A2LA	ISO/IEC 17025		0453.07	12-31-15
Alaska (UST)	State Program	10	UST-087	10-31-14
Arizona	State Program	9	AZ0473	05-05-15
Arkansas DEQ	State Program	6	88-0737	04-25-15
California	NELAP	9	1168CA	10-31-14 *
Connecticut	State Program	1	PH-0220	12-31-15
Florida	NELAP	4	E87358	06-30-15
Illinois	NELAP	5	200010	12-09-14
Iowa	State Program	7	131	04-01-16
Kansas	NELAP	7	E-10229	10-31-14 *
Kentucky (UST)	State Program	4	19	06-30-15
Louisiana	NELAP	6	30613	06-30-15
Maryland	State Program	3	316	03-31-15
Massachusetts	State Program	1	M-TN032	06-30-15
Minnesota	NELAP	5	047-999-345	12-31-14
Mississippi	State Program	4	N/A	06-30-15
Montana (UST)	State Program	8	NA	02-24-20
Nevada	State Program	9	TN00032	07-31-15
New Hampshire	NELAP	1	2963	10-09-14 *
New Jersey	NELAP	2	TN965	06-30-15
New York	NELAP	2	11342	03-31-15
North Carolina (WW/SW)	State Program	4	387	12-31-14
North Dakota	State Program	8	R-146	06-30-14 *
Ohio VAP	State Program	5	CL0033	10-16-15
Oklahoma	State Program	6	9412	08-31-15
Oregon	NELAP	10	TN200001	04-29-15
Pennsylvania	NELAP	3	68-00585	06-30-15
Rhode Island	State Program	1	LAO00268	12-30-14
South Carolina	State Program	4	84009 (001)	02-28-15
South Carolina (DW)	State Program	4	84009 (002)	02-23-17
Tennessee	State Program	4	2008	02-23-17
Texas	NELAP	6	T104704077	08-31-15
USDA	Federal		S-48469	10-30-16
Utah	NELAP	8	TN00032	07-31-15
Virginia	NELAP	3	460152	06-14-15
Washington	State Program	10	C789	07-19-15
West Virginia DEP	State Program	3	219	02-28-15
Wisconsin	State Program	5	998020430	08-31-15
Wyoming (UST)	A2LA	8	453.07	12-31-15

* Certification renewal pending - certification considered valid.

Method Summary

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

TestAmerica Job ID: 480-67875-1

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

Protocol References:

EPA = US Environmental Protection Agency

MA DEP = Massachusetts Department Of Environmental Protection

Laboratory References:

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

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Sample Summary

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

TestAmerica Job ID: 480-67875-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-67875-1	DEP-19M-20140921	Water	09/21/14 09:50	09/24/14 01:00
480-67875-2	DEP-21-20140921	Water	09/21/14 09:00	09/24/14 01:00
480-67875-3	MW-261S-20140923	Water	09/23/14 07:25	09/24/14 01:00
480-67875-4	MW-263M-20140921	Water	09/21/14 12:20	09/24/14 01:00
480-67875-5	MW-264M-20140921	Water	09/21/14 11:15	09/24/14 01:00
480-67875-6	MW-265S-20140920	Water	09/20/14 09:15	09/24/14 01:00
480-67875-7	MW-265M-20140923	Water	09/23/14 13:40	09/24/14 01:00
480-67875-8	MW-265D-20140920	Water	09/20/14 09:45	09/24/14 01:00
480-67875-9	MW-266Ma-20140920	Water	09/20/14 10:15	09/24/14 01:00
480-67875-10	MW-266Mb-20140920	Water	09/20/14 10:45	09/24/14 01:00
480-67875-11	MW-267S-20140920	Water	09/20/14 11:45	09/24/14 01:00
480-67875-12	MW-267M-20140920	Water	09/20/14 12:15	09/24/14 01:00
480-67875-13	MW-268S-20140923	Water	09/23/14 10:35	09/24/14 01:00
480-67875-14	MW-268M-20140923	Water	09/23/14 09:40	09/24/14 01:00
480-67875-15	MW-268D-20140920	Water	09/20/14 12:55	09/24/14 01:00
480-67875-16	MW-269Ma-20140920	Water	09/20/14 14:00	09/24/14 01:00
480-67875-17	MW-551-20140920	Water	09/20/14 08:40	09/24/14 01:00
480-67875-18	MW-552-20140923	Water	09/23/14 08:35	09/24/14 01:00
480-67875-19	MW-553-20140922	Water	09/22/14 14:10	09/24/14 01:00
480-67875-20	MW-560-20140922	Water	09/22/14 12:10	09/24/14 01:00
480-67875-21	MW-561-20140922	Water	09/22/14 10:50	09/24/14 01:00
480-67875-22	MW-562-20140922	Water	09/22/14 09:40	09/24/14 01:00
480-67875-23	MW-563-20140922	Water	09/22/14 13:00	09/24/14 01:00
480-67875-24	REW-1-20140923	Water	09/23/14 13:40	09/24/14 01:00
480-67875-25	REW-4-20140923	Water	09/23/14 12:35	09/24/14 01:00
480-67875-26	REW-5-20140923	Water	09/23/14 11:25	09/24/14 01:00
480-67875-27	REW-6-20140922	Water	09/22/14 09:50	09/24/14 01:00
480-67875-28	REW-7-20140922	Water	09/22/14 14:00	09/24/14 01:00
480-67875-29	REW-8-20140922	Water	09/22/14 13:15	09/24/14 01:00
480-67875-30	REW-9-20140922	Water	09/22/14 12:35	09/24/14 01:00
480-67875-31	REW-10-20140923	Water	09/23/14 12:15	09/24/14 01:00
480-67875-32	REW-11-20140922	Water	09/22/14 08:15	09/24/14 01:00
480-67875-33	REW-12-20140922	Water	09/22/14 11:10	09/24/14 01:00
480-67875-34	DUP1-20140920	Water	09/20/14 00:00	09/24/14 01:00
480-67875-35	DUP2-20140922	Water	09/22/14 00:00	09/24/14 01:00
480-67875-36	DUP3-20140923	Water	09/23/14 00:00	09/24/14 01:00
480-67875-37	TRIP BLANKS	Water	09/23/14 00:00	09/24/14 01:00

Login Sample Receipt Checklist

Client: Innovative Engineering Solutions, Inc

Job Number: 480-67875-1

Login Number: 67875

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris M

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

Login Sample Receipt Checklist

Client: Innovative Engineering Solutions, Inc

Job Number: 480-67875-1

Login Number: 67875
List Number: 5
Creator: Atherton, Joel E

List Source: TestAmerica Burlington
List Creation: 09/26/14 02:03 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	317008
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	2.0ºC IR GUN 181 CF= -0.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Innovative Engineering Solutions, Inc

Job Number: 480-67875-1

Login Number: 67875
List Number: 2
Creator: McBride, Mike

List Source: TestAmerica Nashville
List Creation: 09/25/14 12:54 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
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").	False	Headspace larger than 1/4" in one or more vials, one vial with accpt. headspace
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Innovative Engineering Solutions, Inc

Job Number: 480-67875-1

Login Number: 67875
List Number: 3
Creator: McBride, Mike

List Source: TestAmerica Nashville
List Creation: 09/25/14 12:58 PM

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

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Innovative Engineering Solutions Inc	Vicki Pastinar		279431
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 4
25 Spring St	508-668-0033 | 508-668-5175		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Walpole / MA / 02081	Dave Jarzo		
Project Name and Location (State)	**Carrier/Waybill Number**		
RA-008 | Wayland MA			
Contract/Purchase Order/Quote No.			
RA-008			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: 8260B	537	Special Instructions/ Conditions of Receipt
DEP - 19M - 20140921	9/21/14	0950		X						3			X		
DEP - 21 - 20140921	9/21/14	0900		X						3			X		
MW - 261S - 20140923	9/23/14	0785		X						5			X	X	
MW - 263M - 20140921	9/21/14	1220		X						3			X		
MW - 264M - 20140921	9/21/14	1115		X						3			X		
MW - 265S - 20140920	9/20/14	0915		X						3			X		
MW - 265M - 20140923	9/23/14	1340		X						5			X	X	
MW - 265D - 20140920	9/20/14	0945		X						3			X		
MW - 266Ma - 20140920	9/20/14	1015		X						5			X	X	
MW - 266Mb - 20140920	9/20/14	1045		X						3			X		
MW - 267S - 20140920	9/20/14	1145		X						5			X	X	
MW - 267M - 20140920	9/20/14	1215		X						5			X	X	

480-67875 Chain of Custody

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

Sample Disposal
☐ 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 _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	9/23/14	1540	1. Received By	9/23/14	1555
2. Relinquished By	9/23/14	1600	2. Received By TA	09/24/14	0100
3. Relinquished By			3. Received By		

Comments

Temp 3.2 4.0 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Innovative Engineering Solutions Inc	Vicki Pasilas		279433
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 4**
25 Spring St	508-668-0037 / 508-668-5175		
City / **State** / **Zip Code**	**Site Contact** / **Lab Contact**		
Walpole / MA / 02081	Dawn Soto		
Project Name and Location (State)	**Carrier/Waybill Number**		
RA-008 / Weyland MA			
Contract/Purchase Order/Quote No.			
RA-008			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: 8260B	537	Special Instructions/ Conditions of Receipt
MW-268S-201409 23	9/23/14	1035		X						5			X	X	
MW-268M-201409 23	9/23/14	0940		X						5			X	X	
MW-268D-20140920	9/20/14	1255		X						3			X		
MW-269Mc-20140920	9/20/14	1400		X						5			X	X	
MW-531-201409 20	9/20/14	0840		X						3			X		
MW-552-201409 23	9/23/14	0835		X						5			X	X	
MW-553-20140922	9/22/14	1410		X						3			X		
MW-560-20140922	9/22/14	1210		X						3			X		
MW-561-20140923	9/22/14	1050		X						3			X		
MW-562-20140922	9/22/14	0940		X						3			X		
MW-563-20140922	9/23/14	1300		X						3			X		
REW-1-20140923	9/23/14	1340		X						3			X		

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

Sample Disposal
☐ 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 _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	9/23/14	1540	1. Received By	9/23/14	1555
2. Relinquished By	9/23/14	1600	2. Received By TA	09/24/14	0100
3. Relinquished By			3. Received By		

Comments

Temp 3.2 4.0 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

[redacted]

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Innovative Engineering Solutions Inc	Vicki Pastuszka		279432
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 3 of 4**
25 Spring St	508-668-0033 / 508-668-5175		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Walpole / MA / 02081	Dawn Jones		
Project Name and Location (State)	**Carrier/Waybill Number**		
RA-008 / Wayland MA			
Contract/Purchase Order/Quote No.			
RA-008			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: 8260B	5222	Special Instructions/ Conditions of Receipt
REW-4- 20140923	9/23/14	1235		X						3			X		
REW-5- 20140923	9/23/14	1125		X						3			X		
REW-6- 20140922	9/22/14	0950		X						3			X		
REW-7- 20140922	9/22/14	1400		X						3			X		
REW-8- 20140922	9/22/14	1315		X						3			X		
REW-9- 20140922	9/22/14	1235		X						3			X		
REW-10- 20140923	9/23/14	1215		X						3			X		
REW-11- 20140922	9/22/14	0815		X						3			X		
REW-12- 20140922	9/22/14	1110		X						3			X		
Dup1- 20140920	9/20/14	—		X											
Dup2- 20140922	9/22/14	—		X											
Dup 3- 20140923	9/23/14	—		X											

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

Sample Disposal
☐ 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 _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	9/23/14	1540	1. Received By	9/23/14	1555
2. Relinquished By	9/23/14	1600	2. Received By Clarkson TA	09/24/14	0100
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Innovative Engineering Solutions Inc	Vick. Pannese		279964
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 4 of 4
25 Spring St	508-668-0033 / 508-668-5175		
City	**State** / **Zip Code**	**Site Contact**	**Lab Contact**
Wayland	MA 02081	Dawn Jones	
Project Name and Location (State)	**Carrier/Waybill Number**		
RA-008 / Wayland MA			
Contract/Purchase Order/Quote No.			
RA-008			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	8260B	Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
1 Trip Blanks	9/—	—		X						X			X		

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

Sample Disposal
☐ 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 _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.		9/23/14	1540		9/23/14	1555
2.		9/23/14	1600	Client TA	09/24/14	0100
3.						

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

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: 480-66696-1
Client Project/Site: IDS Wayland

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

Attn: Lyndsey Colburn

Authorized for release by:
9/12/2014 11:03:15 AM
Rich Emerich, Analyst V
rich.emerich@testamericainc.com

Designee for

Becky Mason, Project Manager II
(413)572-4000
becky.mason@testamericainc.com

Three samples were collected from the Town of Wayland Conservation Commission Property. All other samples have been grayed out for ease of review.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
*	RPD of the LCS and LCSD exceeds the control limits

Glossary

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

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-66696-1

Job ID: 480-66696-1

Laboratory: TestAmerica Buffalo

Narrative

Comments
Due to the dilutions required, per question G on the MassDEP Analytical Protocol Certification Form, the CAM reporting limits specified in this CAM protocol could not be achieved for some or all samples/analytes.

Receipt
The samples were received on 9/5/2014 at 12:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0º C.

Receipt Exceptions
The container label for the following sample did not match the information listed on the Chain of Custody (COC): MW-1010D-20140904-02 (480-66696-33). The container labels lists MW-1010D-20140904-01 while the COC lists MW-1010D-20140904-02 (association made by comparing date and time of collection). The sample was logged in as shown on the COC.

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-Butyl Ethyl Ether, tert-Amyl Methyl Ether and Tetrahydrofuran.

Method 8260C: The continuing calibration verification (CCV) for 1,4dioxane associated with batch 200987 recovered above the MCP upper control limit. MCP protocol allows for 20% of the target compounds to be outside the 20% difference but not over 60% difference for difficult compounds.

Method 8260C: The laboratory control sample (LCS) and / or the laboratory control sample duplicate (LCSD) for batch 200987 exceeded control limits for the following analytes: 1,4 Dioxane. MCP protocol allows for 10% of the target compounds to be outside of the limits provided the recoveries are over 10%. The analyte is ND in the affected samples.

Method 8260C: The laboratory control sample (LCS) and / or the laboratory control sample duplicate (LCSD) for batch 201080 exceeded control limits for the following analyte: 2-Hexanone. Unlike the calibration standards, this is due to the coelution with 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.

Method 8260C: The continuing calibration verification (CCV) forDichlorodifluoromethane and Bromoform associated with batch 201129 recovered above the MCP upper control limit. MCP protocol allows for 20% of the target compounds to be outside the 20% difference but not over 40% difference.

Method 8260C: The laboratory control sample (LCS) and / or the laboratory control sample duplicate (LCSD) for batch201129 exceeded control limits for the following analytes: 2-Butanone and 2-Hexanone. Unlike the calibration standards, this is due to the coelution with Ethyl Acetate and n-butyl Acetate, respectively, 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 coeluted compounds can be distinguished from one another if present in a client sample.

Method 8260C: The laboratory control sample duplicate (LCSD) for batch 201129 exceeded control limits for the following analyte: Dichlorodifluoromethane. MCP protocol allows for 10% of the target compounds to be outside of the limits provided the recoveries are over 10%.

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-1017D-20140904-01 (480-66696-11). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) for Bromoform and Chlorodibromomethane associated with batch 201180 recovered above the MCP upper control limit. MCP protocol allows for 20% of the target compounds to be outside the 20% difference but not over 40% difference.

Job ID: 480-66696-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

Method 8260C: The laboratory control sample (LCS) and / or the laboratory control sample duplicate (LCSD) for batch 201180 exceeded control limits for the following analyte: 2-Hexanone. Unlike the calibration standards, this is due to the coelution with 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.

Method 8260C: The continuing calibration verification (CCV) for Bromoform and Chlorodibromomethane associated with batch 201080 recovered above the MCP upper control limit. MCP protocol allows for 20% of the target compounds to be outside the 20% difference but not over 40% difference.

Method 8260C: The %RPD of the laboratory control standard duplicate (LCSD) for preparation batch 201129 recovered outside control limits for the following analyte: 1,4-Dioxane .

Method 8260C: The laboratory control sample duplicate (LCSD) for batch 201180 exceeded control limits for the following analyte: Dichlorodifluoromethane. MCP protocol allows for 10% of the target compounds to be outside of the limits provided the recoveries are over 10%.

Method 8260C: The laboratory control sample duplicate (LCSD) for batch 201180 exceeded control limits for the following analyte: 2-Butanone. Unlike the calibration standards, this is due to the coelution with Ethyl 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

Method 8260C: The %RPD of the laboratory control standard duplicate (LCSD) for preparation batch 201180 recovered outside control limits for the following analyte: 2-Butanone.

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 #: **480-66696-1**

Project Location: **IDS Wayland** RTN:

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

480-66696-1 [1-41]

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

CAM Protocols (check all that apply below):

8260 VOC CAM II A ■	7470/7471 Hg CAM III B ☐	Mass DEP VPH CAM IV A ☐	8081 Pesticides CAM V B ☐	7196 Hex Cr CAM VI B ☐	Mass DEP APH CAM IX A ☐
8270 SVOC CAM II B ☐	7010 Metals CAM III C ☐	Mass DEP EPH CAM IV B ☐	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A ☐	6020 Metals CAM III D ☐	8082 PCB CAM V A ☐	9012 / 9014/ 4500CN Total Cyanide/PAC CAM VI A ☐	6860 Perchlorate CAM VIII B ☐	

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

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

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

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

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

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

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

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

Signature:  Position: Technical Director, TestAmerica Westfield

Printed Name: Richard Emerich Date: 9/12/14 10:55

This form has been electronically signed and approved.

Detection Summary

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-66696-1

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-66696-1

This Detection Summary does not include radiochemical test results.

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-66696-1

This Detection Summary does not include radiochemical test results.

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-66696-1

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-66696-1

Client Sample ID: SEN-3-20140904-01 — **Lab Sample ID: 480-66696-39**

No Detections.

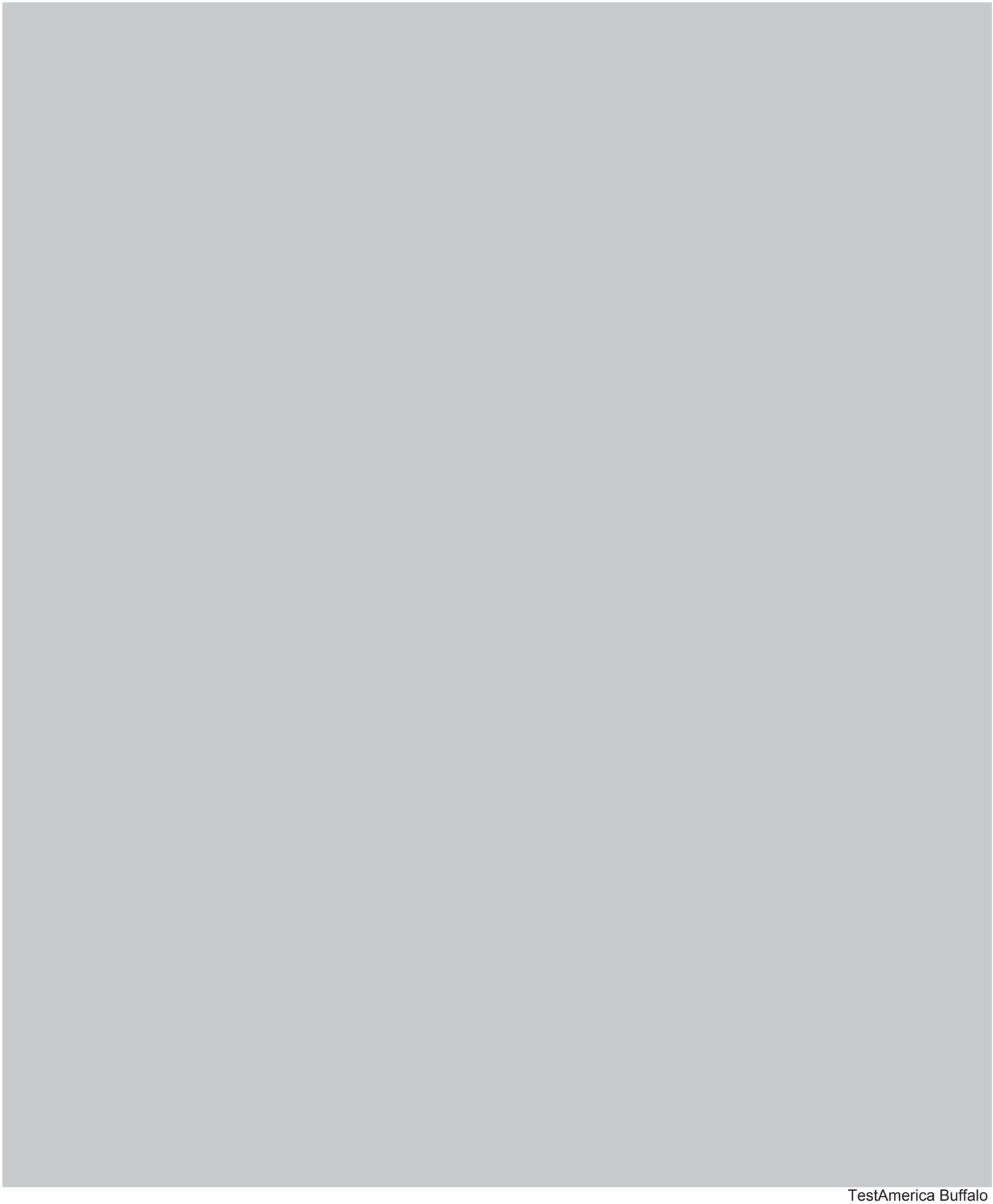
Client Sample ID: SEN-2M-20140904-01 — **Lab Sample ID: 480-66696-40**

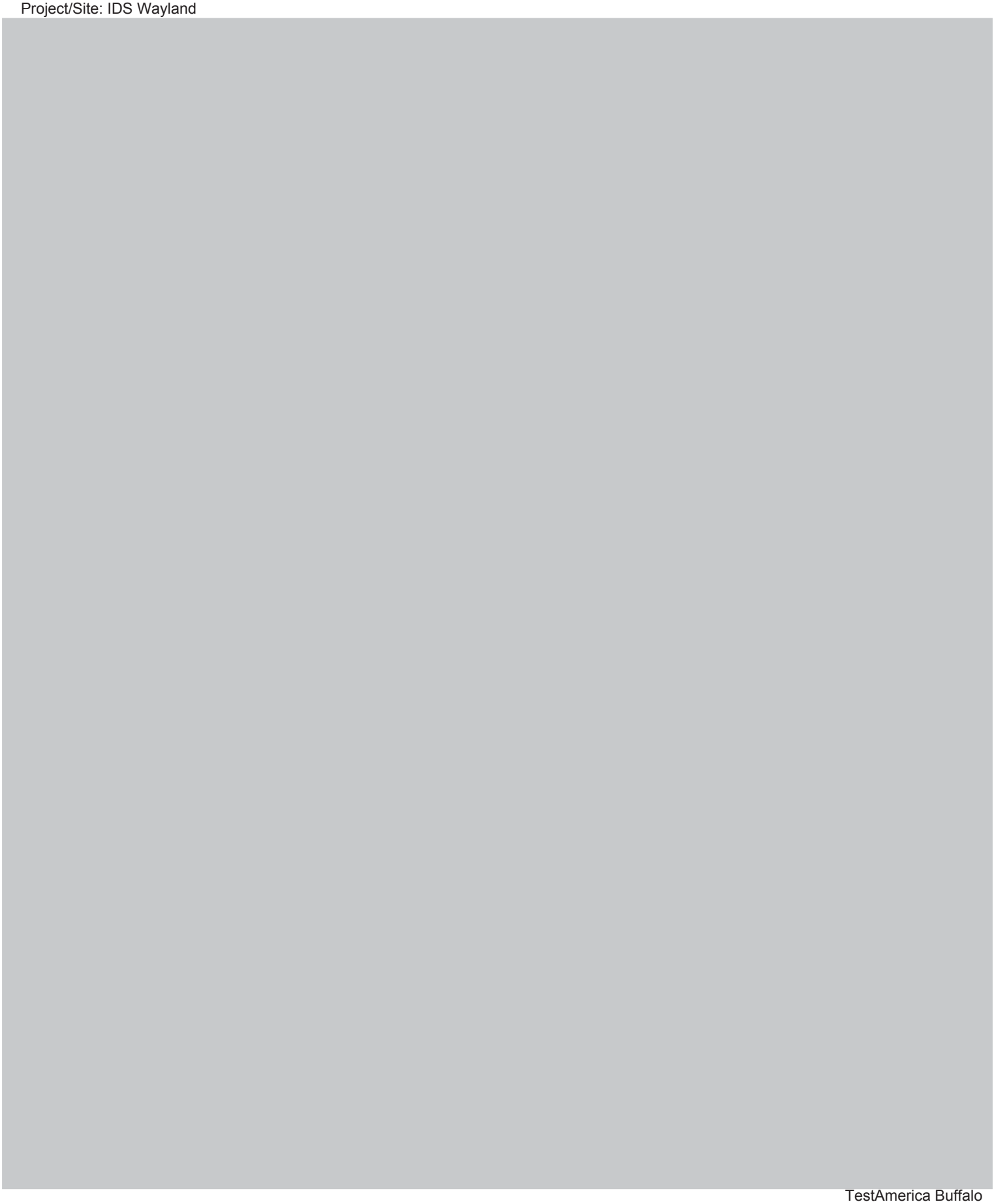
No Detections.

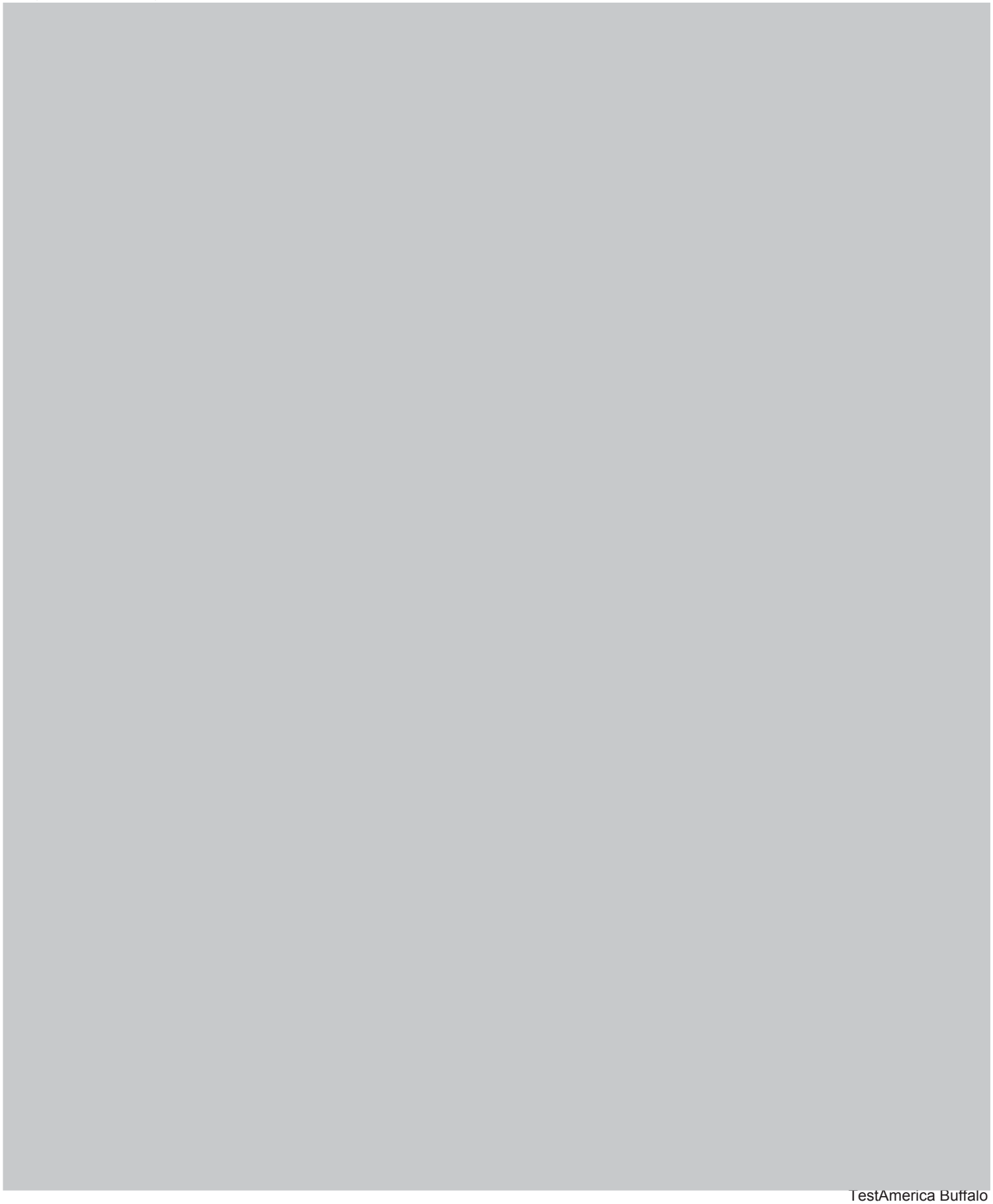
Client Sample ID: SEN-2D-20140904-01 — **Lab Sample ID: 480-66696-41**

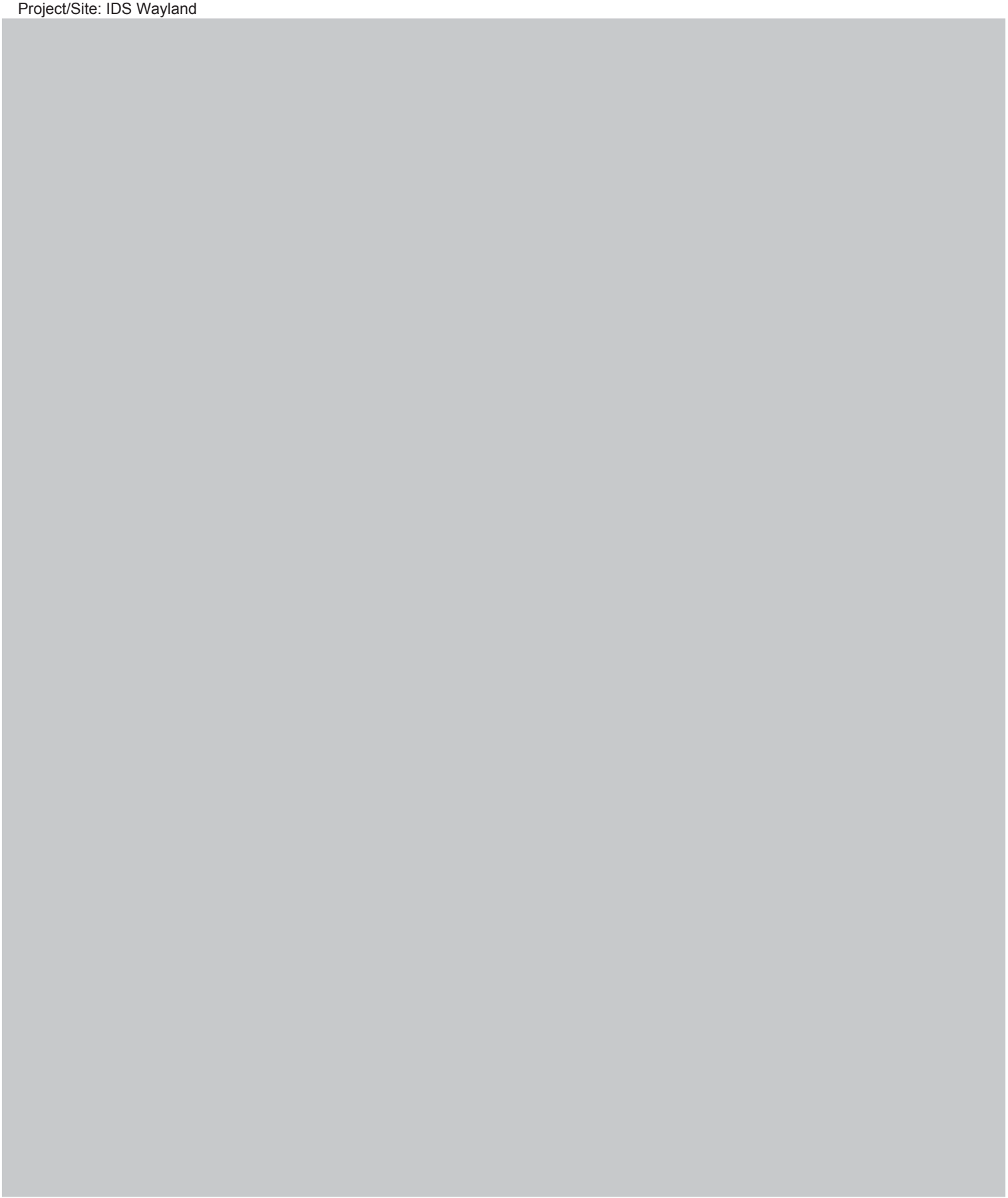
No Detections.

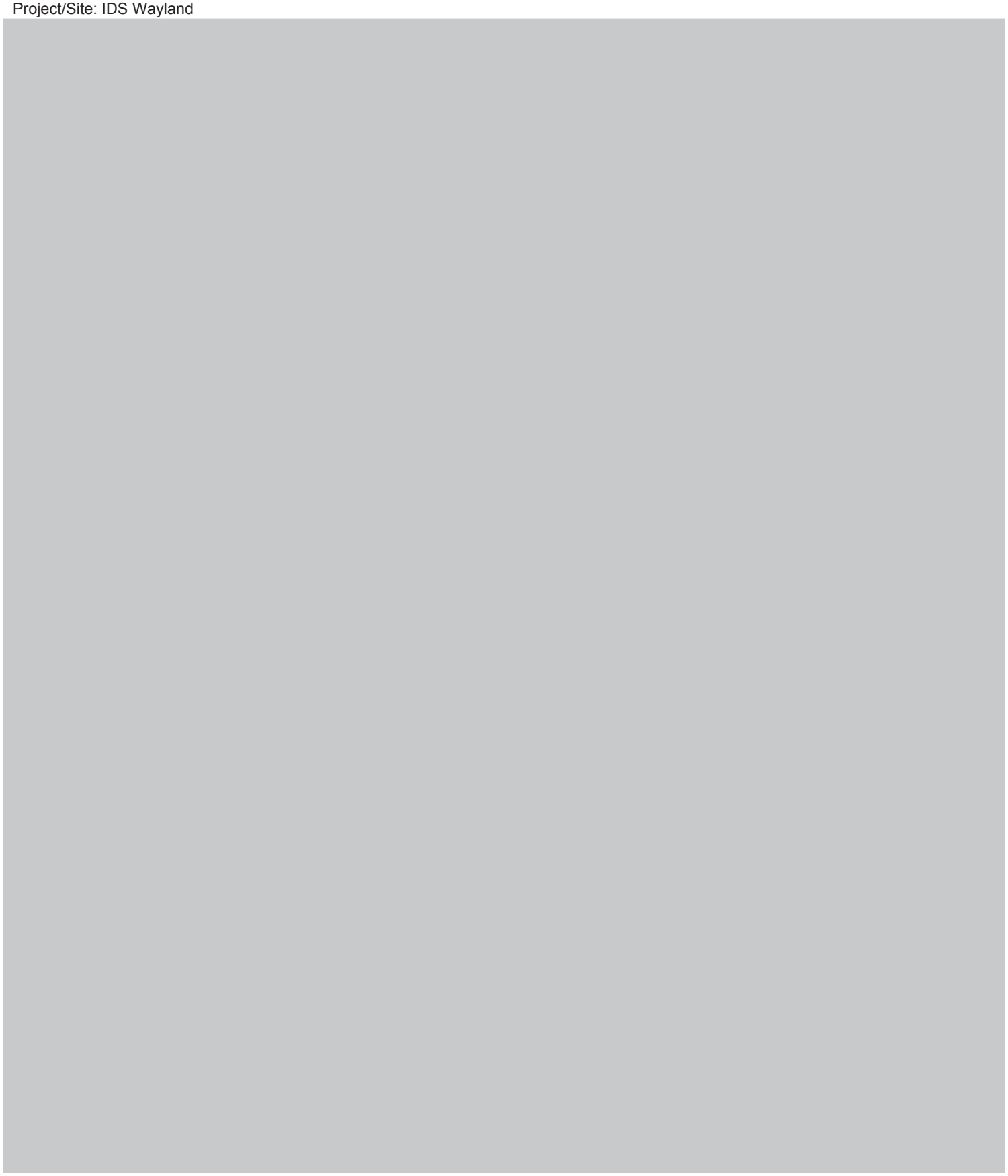
This Detection Summary does not include radiochemical test results.

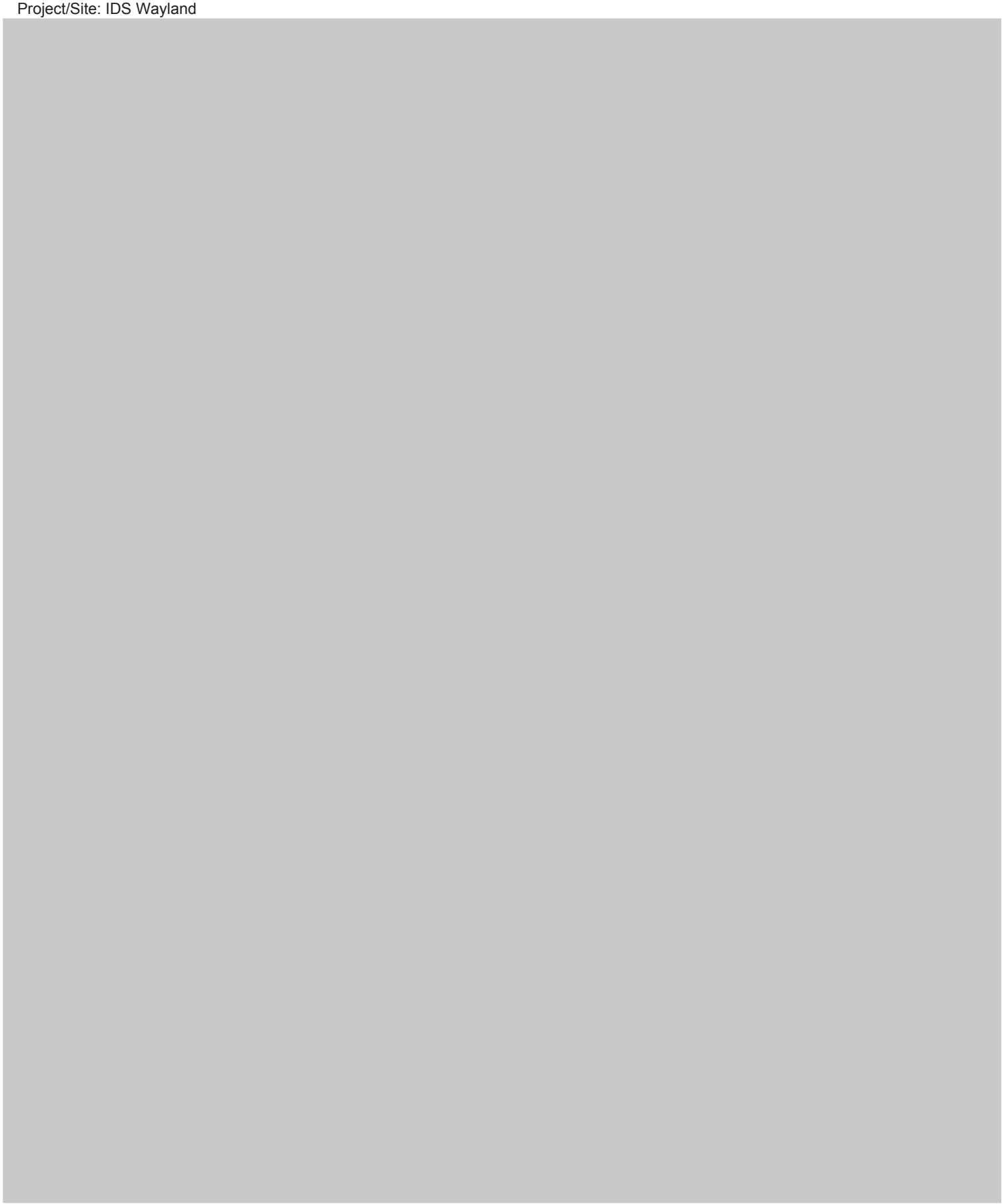


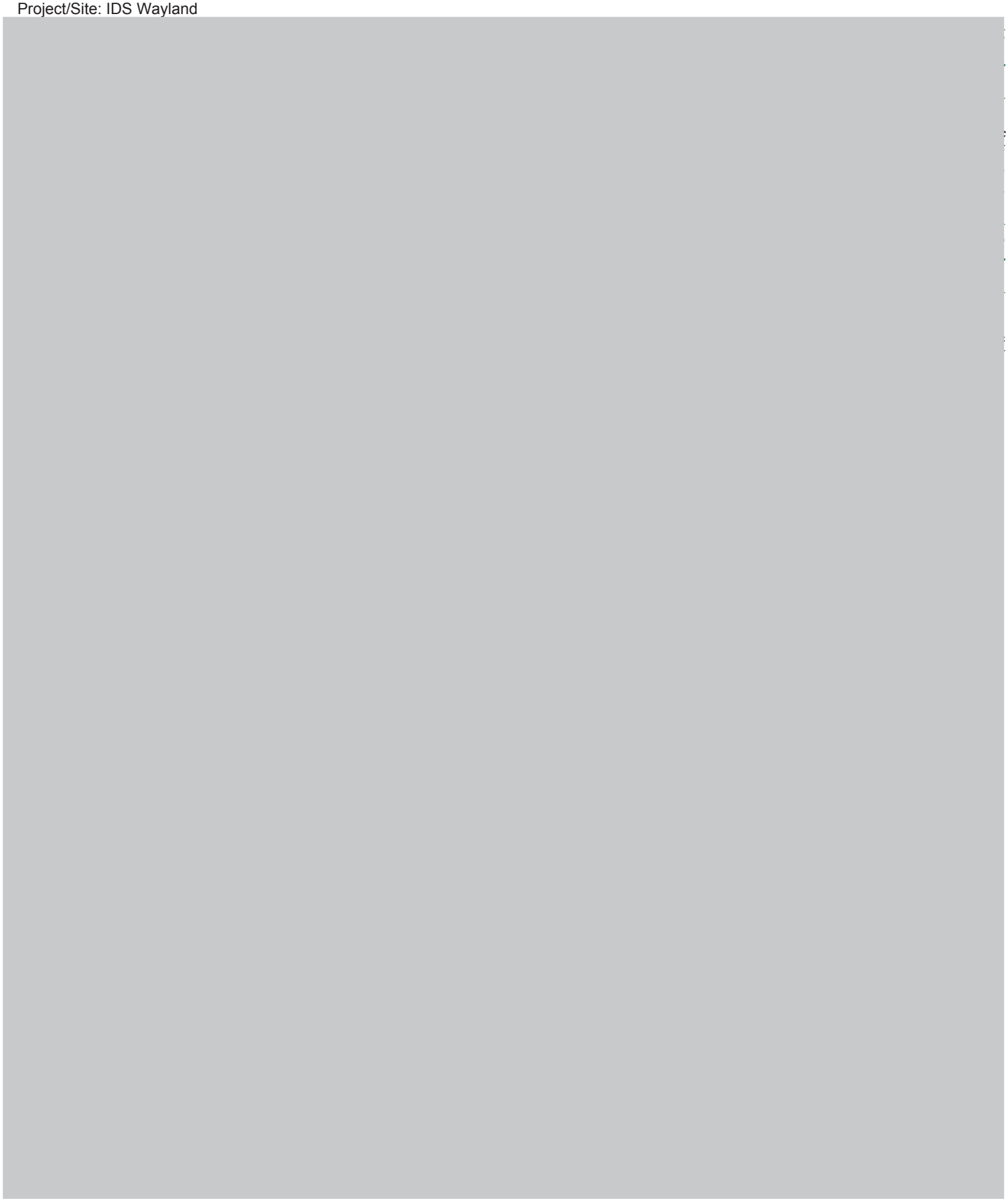












Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-66696-1

Client Sample ID: SEN-3-20140904-01
Date Collected: 09/04/14 12:50
Date Received: 09/05/14 00:30

Lab Sample ID: 480-66696-39
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND	*	10		ug/L			09/08/14 04:15	1
4-Chlorotoluene	ND		1.0		ug/L			09/08/14 04:15	1
4-Isopropyltoluene	ND		1.0		ug/L			09/08/14 04:15	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/08/14 04:15	1
Acetone	ND		50		ug/L			09/08/14 04:15	1
Benzene	ND		1.0		ug/L			09/08/14 04:15	1
Bromobenzene	ND		1.0		ug/L			09/08/14 04:15	1
Bromoform	ND		1.0		ug/L			09/08/14 04:15	1
Bromomethane	ND		2.0		ug/L			09/08/14 04:15	1
Carbon disulfide	ND		10		ug/L			09/08/14 04:15	1
Carbon tetrachloride	ND		1.0		ug/L			09/08/14 04:15	1
Chlorobenzene	ND		1.0		ug/L			09/08/14 04:15	1
Chlorobromomethane	ND		1.0		ug/L			09/08/14 04:15	1
Chlorodibromomethane	ND		0.50		ug/L			09/08/14 04:15	1
Chloroethane	ND		2.0		ug/L			09/08/14 04:15	1
Chloroform	ND		1.0		ug/L			09/08/14 04:15	1
Chloromethane	ND		2.0		ug/L			09/08/14 04:15	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/08/14 04:15	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			09/08/14 04:15	1
Dichlorobromomethane	ND		0.50		ug/L			09/08/14 04:15	1
Dichlorodifluoromethane	ND	*	1.0		ug/L			09/08/14 04:15	1
Ethyl ether	ND		1.0		ug/L			09/08/14 04:15	1
Ethylbenzene	ND		1.0		ug/L			09/08/14 04:15	1
Ethylene Dibromide	ND		1.0		ug/L			09/08/14 04:15	1
Hexachlorobutadiene	ND		0.40		ug/L			09/08/14 04:15	1
Isopropyl ether	ND		10		ug/L			09/08/14 04:15	1
Isopropylbenzene	ND		1.0		ug/L			09/08/14 04:15	1
Methyl tert-butyl ether	ND		1.0		ug/L			09/08/14 04:15	1
Methylene Chloride	ND		1.0		ug/L			09/08/14 04:15	1
m-Xylene & p-Xylene	ND		2.0		ug/L			09/08/14 04:15	1
Naphthalene	ND		5.0		ug/L			09/08/14 04:15	1
n-Butylbenzene	ND		1.0		ug/L			09/08/14 04:15	1
N-Propylbenzene	ND		1.0		ug/L			09/08/14 04:15	1
o-Xylene	ND		1.0		ug/L			09/08/14 04:15	1
sec-Butylbenzene	ND		1.0		ug/L			09/08/14 04:15	1
Styrene	ND		1.0		ug/L			09/08/14 04:15	1
Tert-amyl methyl ether	ND		5.0		ug/L			09/08/14 04:15	1
Tert-butyl ethyl ether	ND		5.0		ug/L			09/08/14 04:15	1
tert-Butylbenzene	ND		1.0		ug/L			09/08/14 04:15	1
Tetrachloroethene	ND		1.0		ug/L			09/08/14 04:15	1
Tetrahydrofuran	ND		10		ug/L			09/08/14 04:15	1
Toluene	ND		1.0		ug/L			09/08/14 04:15	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/08/14 04:15	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			09/08/14 04:15	1
Trichloroethene	ND		1.0		ug/L			09/08/14 04:15	1
Trichlorofluoromethane	ND		1.0		ug/L			09/08/14 04:15	1
Vinyl chloride	ND		1.0		ug/L			09/08/14 04:15	1
Dibromomethane	ND		1.0		ug/L			09/08/14 04:15	1

Client Sample ID: SEN-3-20140904-01 — **Lab Sample ID: 480-66696-39**
Date Collected: 09/04/14 12:50 — **Matrix: Water**
Date Received: 09/05/14 00:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	91		70 - 130		09/08/14 04:15	1
1,2-Dichloroethane-d4 (Surr)	87		70 - 130		09/08/14 04:15	1
4-Bromofluorobenzene (Surr)	113		70 - 130		09/08/14 04:15	1

Client Sample ID: SEN-2M-20140904-01 — **Lab Sample ID: 480-66696-40**
Date Collected: 09/04/14 13:05 — **Matrix: Water**
Date Received: 09/05/14 00:30

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			09/08/14 04:40	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/08/14 04:40	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/08/14 04:40	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/08/14 04:40	1
1,1-Dichloroethane	ND		1.0		ug/L			09/08/14 04:40	1
1,1-Dichloroethene	ND		1.0		ug/L			09/08/14 04:40	1
1,1-Dichloropropene	ND		1.0		ug/L			09/08/14 04:40	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/08/14 04:40	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/08/14 04:40	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/08/14 04:40	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			09/08/14 04:40	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			09/08/14 04:40	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/08/14 04:40	1
1,2-Dichloroethane	ND		1.0		ug/L			09/08/14 04:40	1
1,2-Dichloropropane	ND		1.0		ug/L			09/08/14 04:40	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			09/08/14 04:40	1
1,3-Dichlorobenzene	ND		1.0		ug/L			09/08/14 04:40	1
1,3-Dichloropropane	ND		1.0		ug/L			09/08/14 04:40	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/08/14 04:40	1
1,4-Dioxane	ND		50		ug/L			09/08/14 04:40	1
2,2-Dichloropropane	ND		1.0		ug/L			09/08/14 04:40	1
2-Butanone (MEK)	ND	*	10		ug/L			09/08/14 04:40	1
2-Chlorotoluene	ND		1.0		ug/L			09/08/14 04:40	1
2-Hexanone	ND	*	10		ug/L			09/08/14 04:40	1
4-Chlorotoluene	ND		1.0		ug/L			09/08/14 04:40	1
4-Isopropyltoluene	ND		1.0		ug/L			09/08/14 04:40	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/08/14 04:40	1
Acetone	ND		50		ug/L			09/08/14 04:40	1
Benzene	ND		1.0		ug/L			09/08/14 04:40	1
Bromobenzene	ND		1.0		ug/L			09/08/14 04:40	1
Bromoform	ND		1.0		ug/L			09/08/14 04:40	1
Bromomethane	ND		2.0		ug/L			09/08/14 04:40	1
Carbon disulfide	ND		10		ug/L			09/08/14 04:40	1
Carbon tetrachloride	ND		1.0		ug/L			09/08/14 04:40	1
Chlorobenzene	ND		1.0		ug/L			09/08/14 04:40	1
Chlorobromomethane	ND		1.0		ug/L			09/08/14 04:40	1
Chlorodibromomethane	ND		0.50		ug/L			09/08/14 04:40	1
Chloroethane	ND		2.0		ug/L			09/08/14 04:40	1
Chloroform	ND		1.0		ug/L			09/08/14 04:40	1
Chloromethane	ND		2.0		ug/L			09/08/14 04:40	1

Client Sample ID: SEN-2M-20140904-01 — **Lab Sample ID: 480-66696-40**
Date Collected: 09/04/14 13:05 — **Matrix: Water**
Date Received: 09/05/14 00:30

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			09/08/14 04:40	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			09/08/14 04:40	1
Dichlorobromomethane	ND		0.50		ug/L			09/08/14 04:40	1
Dichlorodifluoromethane	ND	*	1.0		ug/L			09/08/14 04:40	1
Ethyl ether	ND		1.0		ug/L			09/08/14 04:40	1
Ethylbenzene	ND		1.0		ug/L			09/08/14 04:40	1
Ethylene Dibromide	ND		1.0		ug/L			09/08/14 04:40	1
Hexachlorobutadiene	ND		0.40		ug/L			09/08/14 04:40	1
Isopropyl ether	ND		10		ug/L			09/08/14 04:40	1
Isopropylbenzene	ND		1.0		ug/L			09/08/14 04:40	1
Methyl tert-butyl ether	ND		1.0		ug/L			09/08/14 04:40	1
Methylene Chloride	ND		1.0		ug/L			09/08/14 04:40	1
m-Xylene & p-Xylene	ND		2.0		ug/L			09/08/14 04:40	1
Naphthalene	ND		5.0		ug/L			09/08/14 04:40	1
n-Butylbenzene	ND		1.0		ug/L			09/08/14 04:40	1
N-Propylbenzene	ND		1.0		ug/L			09/08/14 04:40	1
o-Xylene	ND		1.0		ug/L			09/08/14 04:40	1
sec-Butylbenzene	ND		1.0		ug/L			09/08/14 04:40	1
Styrene	ND		1.0		ug/L			09/08/14 04:40	1
Tert-amyl methyl ether	ND		5.0		ug/L			09/08/14 04:40	1
Tert-butyl ethyl ether	ND		5.0		ug/L			09/08/14 04:40	1
tert-Butylbenzene	ND		1.0		ug/L			09/08/14 04:40	1
Tetrachloroethene	ND		1.0		ug/L			09/08/14 04:40	1
Tetrahydrofuran	ND		10		ug/L			09/08/14 04:40	1
Toluene	ND		1.0		ug/L			09/08/14 04:40	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/08/14 04:40	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			09/08/14 04:40	1
Trichloroethene	ND		1.0		ug/L			09/08/14 04:40	1
Trichlorofluoromethane	ND		1.0		ug/L			09/08/14 04:40	1
Vinyl chloride	ND		1.0		ug/L			09/08/14 04:40	1
Dibromomethane	ND		1.0		ug/L			09/08/14 04:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*70 - 130*		*09/08/14 04:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 130*		*09/08/14 04:40*	*1*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*		*09/08/14 04:40*	*1*

Client Sample ID: SEN-2D-20140904-01 — **Lab Sample ID: 480-66696-41**
Date Collected: 09/04/14 13:00 — **Matrix: Water**
Date Received: 09/05/14 00:30

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			09/08/14 05:06	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/08/14 05:06	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/08/14 05:06	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/08/14 05:06	1
1,1-Dichloroethane	ND		1.0		ug/L			09/08/14 05:06	1
1,1-Dichloroethene	ND		1.0		ug/L			09/08/14 05:06	1
1,1-Dichloropropene	ND		1.0		ug/L			09/08/14 05:06	1

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-66696-1

Client Sample ID: SEN-2D-20140904-01
Date Collected: 09/04/14 13:00
Date Received: 09/05/14 00:30

Lab Sample ID: 480-66696-41
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/08/14 05:06	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/08/14 05:06	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/08/14 05:06	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			09/08/14 05:06	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			09/08/14 05:06	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/08/14 05:06	1
1,2-Dichloroethane	ND		1.0		ug/L			09/08/14 05:06	1
1,2-Dichloropropane	ND		1.0		ug/L			09/08/14 05:06	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			09/08/14 05:06	1
1,3-Dichlorobenzene	ND		1.0		ug/L			09/08/14 05:06	1
1,3-Dichloropropane	ND		1.0		ug/L			09/08/14 05:06	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/08/14 05:06	1
1,4-Dioxane	ND		50		ug/L			09/08/14 05:06	1
2,2-Dichloropropane	ND		1.0		ug/L			09/08/14 05:06	1
2-Butanone (MEK)	ND	*	10		ug/L			09/08/14 05:06	1
2-Chlorotoluene	ND		1.0		ug/L			09/08/14 05:06	1
2-Hexanone	ND	*	10		ug/L			09/08/14 05:06	1
4-Chlorotoluene	ND		1.0		ug/L			09/08/14 05:06	1
4-Isopropyltoluene	ND		1.0		ug/L			09/08/14 05:06	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/08/14 05:06	1
Acetone	ND		50		ug/L			09/08/14 05:06	1
Benzene	ND		1.0		ug/L			09/08/14 05:06	1
Bromobenzene	ND		1.0		ug/L			09/08/14 05:06	1
Bromoform	ND		1.0		ug/L			09/08/14 05:06	1
Bromomethane	ND		2.0		ug/L			09/08/14 05:06	1
Carbon disulfide	ND		10		ug/L			09/08/14 05:06	1
Carbon tetrachloride	ND		1.0		ug/L			09/08/14 05:06	1
Chlorobenzene	ND		1.0		ug/L			09/08/14 05:06	1
Chlorobromomethane	ND		1.0		ug/L			09/08/14 05:06	1
Chlorodibromomethane	ND		0.50		ug/L			09/08/14 05:06	1
Chloroethane	ND		2.0		ug/L			09/08/14 05:06	1
Chloroform	ND		1.0		ug/L			09/08/14 05:06	1
Chloromethane	ND		2.0		ug/L			09/08/14 05:06	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/08/14 05:06	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			09/08/14 05:06	1
Dichlorobromomethane	ND		0.50		ug/L			09/08/14 05:06	1
Dichlorodifluoromethane	ND	*	1.0		ug/L			09/08/14 05:06	1
Ethyl ether	ND		1.0		ug/L			09/08/14 05:06	1
Ethylbenzene	ND		1.0		ug/L			09/08/14 05:06	1
Ethylene Dibromide	ND		1.0		ug/L			09/08/14 05:06	1
Hexachlorobutadiene	ND		0.40		ug/L			09/08/14 05:06	1
Isopropyl ether	ND		10		ug/L			09/08/14 05:06	1
Isopropylbenzene	ND		1.0		ug/L			09/08/14 05:06	1
Methyl tert-butyl ether	ND		1.0		ug/L			09/08/14 05:06	1
Methylene Chloride	ND		1.0		ug/L			09/08/14 05:06	1
m-Xylene & p-Xylene	ND		2.0		ug/L			09/08/14 05:06	1
Naphthalene	ND		5.0		ug/L			09/08/14 05:06	1
n-Butylbenzene	ND		1.0		ug/L			09/08/14 05:06	1
N-Propylbenzene	ND		1.0		ug/L			09/08/14 05:06	1

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-66696-1

Client Sample ID: SEN-2D-20140904-01
Date Collected: 09/04/14 13:00
Date Received: 09/05/14 00:30

Lab Sample ID: 480-66696-41
Matrix: Water

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			09/08/14 05:06	1
sec-Butylbenzene	ND		1.0		ug/L			09/08/14 05:06	1
Styrene	ND		1.0		ug/L			09/08/14 05:06	1
Tert-amyl methyl ether	ND		5.0		ug/L			09/08/14 05:06	1
Tert-butyl ethyl ether	ND		5.0		ug/L			09/08/14 05:06	1
tert-Butylbenzene	ND		1.0		ug/L			09/08/14 05:06	1
Tetrachloroethene	ND		1.0		ug/L			09/08/14 05:06	1
Tetrahydrofuran	ND		10		ug/L			09/08/14 05:06	1
Toluene	ND		1.0		ug/L			09/08/14 05:06	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/08/14 05:06	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			09/08/14 05:06	1
Trichloroethene	ND		1.0		ug/L			09/08/14 05:06	1
Trichlorofluoromethane	ND		1.0		ug/L			09/08/14 05:06	1
Vinyl chloride	ND		1.0		ug/L			09/08/14 05:06	1
Dibromomethane	ND		1.0		ug/L			09/08/14 05:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*70 - 130*		*09/08/14 05:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 130*		*09/08/14 05:06*	*1*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*09/08/14 05:06*	*1*

Surrogate Summary

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-66696-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	12DCE	BFB
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
480-66696-1	TB-001-20140904-01	120	119	130
480-66696-2	MW-217D-20140904-01	102	97	98
480-66696-3	MW-217M-20140904-01	102	102	101
480-66696-4	MW-217S-20140904-01	107	94	97
480-66696-5	MW-1024D-20140904-01	103	100	94
480-66696-6	MW-1025M-20140904-01	92	87	108
480-66696-7	MW-1025D-20140904-01	95	90	111
480-66696-8	MW-1019B-20140904-01	91	90	109
480-66696-9	MW-1020-20140904-01	93	90	110
480-66696-10	MW-1018-20140904-01	93	83	112
480-66696-11	MW-1017D-20140904-01	95	87	110
480-66696-11 - DL	MW-1017D-20140904-01	92	85	109
480-66696-12	MW-1015D-20140904-01	93	92	109
480-66696-13	MW-1033-20140904-01	91	90	105
480-66696-14	MW-1027-20140904-01	92	89	104
480-66696-15	MW-1028-20140904-01	93	90	107
480-66696-16	MW-1030-20140904-01	93	91	108
480-66696-17	MW-1031-20140904-01	93	88	108
480-66696-18	MW-1032-20140904-01	93	88	110
480-66696-19	MW-1022-20140904-01	91	86	110
480-66696-20	MW-1023-20140904-01	93	88	109
480-66696-21	MW-1013-20140904-01	93	87	109
480-66696-22	MW-1034-20140904-01	93	88	111
480-66696-23	DUP-004-20140904-01	93	89	108
480-66696-24	DUP-003-20140904-01	91	85	107
480-66696-25	MW-1001M-20140904-01	92	87	106
480-66696-26	MW-1001B-20140904-01	92	89	108
480-66696-27	MW-1003-20140904-01	92	90	107
480-66696-28	MW-1004-20140904-01	92	88	108
480-66696-29	MW-1005-20140904-01	91	90	107
480-66696-30	MW-1006-20140904-01	91	90	106
480-66696-31	MW-1008-20140904-01	92	84	114
480-66696-32	MW-1010M-20140904-01	91	85	112
480-66696-33	MW-1010D-20140904-02	89	82	109
480-66696-34	MW-1011-20140904-01	92	83	110
480-66696-35	MW-1016D-20140904-01	92	84	110
480-66696-36	MW-1009-20140904-01	90	84	107
480-66696-37	DUP-001-20140904-01	90	86	108
480-66696-38	DUP-002-20140904-01	92	86	111
480-66696-39	SEN-3-20140904-01	91	87	113
480-66696-40	SEN-2M-20140904-01	91	87	110
480-66696-41	SEN-2D-20140904-01	90	88	108
LCS 480-200987/4	Lab Control Sample	103	97	93
LCS 480-201080/5	Lab Control Sample	95	96	113
LCS 480-201129/5	Lab Control Sample	94	82	114
LCS 480-201180/5	Lab Control Sample	94	88	116
LCSD 480-200987/5	Lab Control Sample Dup	95	97	92
LCSD 480-201080/6	Lab Control Sample Dup	94	95	115
LCSD 480-201129/6	Lab Control Sample Dup	95	93	114

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

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

		Percent Surrogate Recovery (Acceptance Limits)								
		TOL	12DCE	BFB						
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)						
LCSD 480-201180/6	Lab Control Sample Dup	94	88	117						
MB 480-200987/7	Method Blank	103	98	102						
MB 480-201080/8	Method Blank	93	88	108						
MB 480-201129/8	Method Blank	93	87	111						
MB 480-201180/8	Method Blank	92	83	111						

Surrogate Legend

TOL = Toluene-d8 (Surr)

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

BFB = 4-Bromofluorobenzene (Surr)

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

Lab Sample ID: MB 480-200987/7
Matrix: Water
Analysis Batch: 200987

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			09/05/14 12:p1	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/05/14 12:p1	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/05/14 12:p1	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/05/14 12:p1	1
1,1-Dichloroethane	ND		1.0		ug/L			09/05/14 12:p1	1
1,1-Dichloroethene	ND		1.0		ug/L			09/05/14 12:p1	1
1,1-Dichloro3ro3ene	ND		1.0		ug/L			09/05/14 12:p1	1
1,2,p-Trichlorobenzene	ND		1.0		ug/L			09/05/14 12:p1	1
1,2,p-Trichloro3ro3ane	ND		1.0		ug/L			09/05/14 12:p1	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/05/14 12:p1	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			09/05/14 12:p1	1
1,2-Dibromo-p-Chloro3ro3ane	ND		5.0		ug/L			09/05/14 12:p1	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/05/14 12:p1	1
1,2-Dichloroethane	ND		1.0		ug/L			09/05/14 12:p1	1
1,2-Dichloro3ro3ane	ND		1.0		ug/L			09/05/14 12:p1	1
1,p,5-Trimethylbenzene	ND		1.0		ug/L			09/05/14 12:p1	1
1,p-Dichlorobenzene	ND		1.0		ug/L			09/05/14 12:p1	1
1,p-Dichloro3ro3ane	ND		1.0		ug/L			09/05/14 12:p1	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/05/14 12:p1	1
1,4-Dioxane	ND		50		ug/L			09/05/14 12:p1	1
2,2-Dichloro3ro3ane	ND		1.0		ug/L			09/05/14 12:p1	1
2-* utanone BME(K	ND		10		ug/L			09/05/14 12:p1	1
2-Chlorotoluene	ND		1.0		ug/L			09/05/14 12:p1	1
2-) exanone	ND		10		ug/L			09/05/14 12:p1	1
4-Chlorotoluene	ND		1.0		ug/L			09/05/14 12:p1	1
4-Iso3ro3yltoluene	ND		1.0		ug/L			09/05/14 12:p1	1
4-Methyl-2-3entanone BMI* (K	ND		10		ug/L			09/05/14 12:p1	1
Acetone	ND		50		ug/L			09/05/14 12:p1	1
* enzene	ND		1.0		ug/L			09/05/14 12:p1	1
* romobenzene	ND		1.0		ug/L			09/05/14 12:p1	1
* romoHorm	ND		1.0		ug/L			09/05/14 12:p1	1
* romomethane	ND		2.0		ug/L			09/05/14 12:p1	1
Carbon disulHide	ND		10		ug/L			09/05/14 12:p1	1
Carbon tetrachloride	ND		1.0		ug/L			09/05/14 12:p1	1
Chlorobenzene	ND		1.0		ug/L			09/05/14 12:p1	1
Chlorobromomethane	ND		1.0		ug/L			09/05/14 12:p1	1
Chlorodibromomethane	ND		0.50		ug/L			09/05/14 12:p1	1
Chloroethane	ND		2.0		ug/L			09/05/14 12:p1	1
ChloroHorm	ND		1.0		ug/L			09/05/14 12:p1	1
Chloromethane	ND		2.0		ug/L			09/05/14 12:p1	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/05/14 12:p1	1
cis-1,p-Dichloro3ro3ene	ND		0.40		ug/L			09/05/14 12:p1	1
Dichlorobromomethane	ND		0.50		ug/L			09/05/14 12:p1	1
DichlorodiHluoromethane	ND		1.0		ug/L			09/05/14 12:p1	1
Ethyl ether	ND		1.0		ug/L			09/05/14 12:p1	1
Ethylbenzene	ND		1.0		ug/L			09/05/14 12:p1	1
Ethylene Dibromide	ND		1.0		ug/L			09/05/14 12:p1	1
) exachlorobutadiene	ND		0.40		ug/L			09/05/14 12:p1	1

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

Lab Sample ID: MB 480-200987/7
Matrix: Water
Analysis Batch: 200987

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iso3ro3yl ether	ND		10		ug/L			09/05/14 12:p1	1
Iso3ro3ylbenzene	ND		1.0		ug/L			09/05/14 12:p1	1
Methyl tert-butyl ether	ND		1.0		ug/L			09/05/14 12:p1	1
Methylene Chloride	ND		1.0		ug/L			09/05/14 12:p1	1
m-f ylene X 3-f ylene	ND		2.0		ug/L			09/05/14 12:p1	1
Na3hthalene	ND		5.0		ug/L			09/05/14 12:p1	1
n-* utylbenzene	ND		1.0		ug/L			09/05/14 12:p1	1
N-Pro3ylbenzene	ND		1.0		ug/L			09/05/14 12:p1	1
o-f ylene	ND		1.0		ug/L			09/05/14 12:p1	1
sec-* utylbenzene	ND		1.0		ug/L			09/05/14 12:p1	1
Styrene	ND		1.0		ug/L			09/05/14 12:p1	1
Tert-amyl methyl ether	ND		5.0		ug/L			09/05/14 12:p1	1
Tert-butyl ethyl ether	ND		5.0		ug/L			09/05/14 12:p1	1
tert-* utylbenzene	ND		1.0		ug/L			09/05/14 12:p1	1
Tetrachloroethene	ND		1.0		ug/L			09/05/14 12:p1	1
TetrahydroHuran	ND		10		ug/L			09/05/14 12:p1	1
Toluene	ND		1.0		ug/L			09/05/14 12:p1	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/05/14 12:p1	1
trans-1,p-Dichloro3ro3ene	ND		0.40		ug/L			09/05/14 12:p1	1
Trichloroethene	ND		1.0		ug/L			09/05/14 12:p1	1
TrichloroHluoromethane	ND		1.0		ug/L			09/05/14 12:p1	1
&inyl chloride	ND		1.0		ug/L			09/05/14 12:p1	1
Dibromomethane	ND		1.0		ug/L			09/05/14 12:p1	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*120*		*72 - 102*		*239/ 9/5 1460 1*	*1*
1:4-, Dcloroeht ne-d5 (Surr)	*38*		*72 - 102*		*239/ 9/5 1460 1*	*1*
5-aroB orhuorof enbene (Surr)	*124*		*72 - 102*		*239/ 9/5 1460 1*	*1*

Lab Sample ID: LCS 480-200987/4
Matrix: Water
Analysis Batch: 200987

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	V0 - 1p0
1,1,1-Trichloroethane	25.0	25.8		ug/L		10p	V0 - 1p0
1,1,2,2-Tetrachloroethane	25.0	25.6		ug/L		102	V0 - 1p0
1,1,2-Trichloroethane	25.0	2p.p		ug/L		9p	V0 - 1p0
1,1-Dichloroethane	25.0	24.1		ug/L		96	V0 - 1p0
1,1-Dichloroethene	25.0	26.0		ug/L		104	V0 - 1p0
1,1-Dichloro3ro3ene	25.0	25.6		ug/L		102	V0 - 1p0
1,2,p-Trichlorobenzene	25.0	29.1		ug/L		116	V0 - 1p0
1,2,p-Trichloro3ro3ane	25.0	25.p		ug/L		101	V0 - 1p0
1,2,4-Trichlorobenzene	25.0	28.8		ug/L		115	V0 - 1p0
1,2,4-Trimethylbenzene	25.0	26.2		ug/L		105	V0 - 1p0
1,2-Dibromo-p-Chloro3ro3ane	25.0	29.2		ug/L		11V	V0 - 1p0
1,2-Dichlorobenzene	25.0	28.0		ug/L		112	V0 - 1p0
1,2-Dichloroethane	25.0	24.V		ug/L		99	V0 - 1p0

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

Lab Sample ID: LCS 480-200987/4
Matrix: Water
Analysis Batch: 200987

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloro3ro3ane	25.0	25.9		ug/L		104	V0 - 1p0
1,p,5-Trimethylbenzene	25.0	26.6		ug/L		106	V0 - 1p0
1,p-Dichlorobenzene	25.0	26.1		ug/L		104	V0 - 1p0
1,p-Dichloro3ro3ane	25.0	24.2		ug/L		9V	V0 - 1p0
1,4-Dichlorobenzene	25.0	26.6		ug/L		106	V0 - 1p0
1,4-Dioxane	500	V24	7	ug/L		145	V0 - 1p0
2,2-Dichloro3ro3ane	25.0	25.4		ug/L		102	V0 - 1p0
2-* utanone BME(K	125	1p1		ug/L		105	V0 - 1p0
2-Chlorotoluene	25.0	25.V		ug/L		10p	V0 - 1p0
2-) exanone	125	108		ug/L		86	V0 - 1p0
4-Chlorotoluene	25.0	2p.8		ug/L		95	V0 - 1p0
4-Iso3ro3yltoluene	25.0	2V.4		ug/L		109	V0 - 1p0
4-Methyl-2-3entanone BMI* (K	125	112		ug/L		89	V0 - 1p0
Acetone	125	140		ug/L		112	V0 - 1p0
* enzene	25.0	25.V		ug/L		10p	V0 - 1p0
* romobenzene	25.0	25.1		ug/L		100	V0 - 1p0
* romoHorm	25.0	26.5		ug/L		106	V0 - 1p0
* romomethane	25.0	18.2		ug/L		Vp	V0 - 1p0
Carbon disulHide	25.0	25.4		ug/L		101	V0 - 1p0
Carbon tetrachloride	25.0	25.8		ug/L		10p	V0 - 1p0
Chlorobenzene	25.0	25.6		ug/L		102	V0 - 1p0
Chlorobromomethane	25.0	25.6		ug/L		102	V0 - 1p0
Chlorodibromomethane	25.0	25.8		ug/L		10p	V0 - 1p0
Chloroethane	25.0	19.4		ug/L		VV	V0 - 1p0
ChloroHorm	25.0	24.9		ug/L		100	V0 - 1p0
Chloromethane	25.0	2p.9		ug/L		96	V0 - 1p0
cis-1,2-Dichloroethene	25.0	26.1		ug/L		104	V0 - 1p0
cis-1,p-Dichloro3ro3ene	25.0	28.2		ug/L		11p	V0 - 1p0
Dichlorobromomethane	25.0	25.V		ug/L		10p	V0 - 1p0
DichlorodiHluoromethane	25.0	22.8		ug/L		91	V0 - 1p0
Ethyl ether	25.0	2p.1		ug/L		92	V0 - 1p0
Ethylbenzene	25.0	25.6		ug/L		102	V0 - 1p0
Ethylene Dibromide	25.0	25.6		ug/L		102	V0 - 1p0
) exachlorobutadiene	25.0	26.5		ug/L		106	V0 - 1p0
Iso3ro3yl ether	25.0	22.9		ug/L		92	V0 - 1p0
Iso3ro3ylbenzene	25.0	2V.8		ug/L		111	V0 - 1p0
Methyl tert-butyl ether	25.0	2p.1		ug/L		92	V0 - 1p0
Methylene Chloride	25.0	25.5		ug/L		102	V0 - 1p0
m-f ylene X 3-f ylene	25.0	25.6		ug/L		102	V0 - 1p0
Na3hthalene	25.0	2V.p		ug/L		109	V0 - 1p0
n-* utylbenzene	25.0	28.V		ug/L		115	V0 - 1p0
N-Pro3ylbenzene	25.0	26.2		ug/L		105	V0 - 1p0
o-f ylene	25.0	26.0		ug/L		104	V0 - 1p0
sec-* utylbenzene	25.0	26.p		ug/L		105	V0 - 1p0
Styrene	25.0	26.2		ug/L		105	V0 - 1p0
Tert-amyl methyl ether	25.0	28.9		ug/L		116	V0 - 1p0
Tert-butyl ethyl ether	25.0	24.9		ug/L		100	V0 - 1p0
tert-* utylbenzene	25.0	26.2		ug/L		105	V0 - 1p0

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

Lab Sample ID: LCS 480-200987/4
Matrix: Water
Analysis Batch: 200987

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	25.0	24.6		ug/L		98	V0 - 1p0
Tetrahydroh.ran	50.0	6p.2		ug/L		126	V0 - 1p0
Toluene	25.0	26.4		ug/L		106	V0 - 1p0
trans-1,2-Dichloroethene	25.0	2p.V		ug/L		95	V0 - 1p0
trans-1,p-Dichloro3ro3ene	25.0	28.0		ug/L		112	V0 - 1p0
Trichloroethene	25.0	2V.0		ug/L		108	V0 - 1p0
TrichloroHluoromethane	25.0	24.0		ug/L		96	V0 - 1p0
&inyl chloride	25.0	21.9		ug/L		8V	V0 - 1p0
Dibromomethane	25.0	26.4		ug/L		105	V0 - 1p0

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*120*		*72 - 102*
1:4-, Dcloroelct ne-d5 (Surr)	*37*		*72 - 102*
5-aroB orhuorof enbene (Surr)	*30*		*72 - 102*

Lab Sample ID: LCSD 480-200987/5
Matrix: Water
Analysis Batch: 200987

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	2p.9		ug/L		96	V0 - 1p0	5	20
1,1,1-Trichloroethane	25.0	24.2		ug/L		9V	V0 - 1p0	6	20
1,1,2,2-Tetrachloroethane	25.0	24.2		ug/L		9V	V0 - 1p0	6	20
1,1,2-Trichloroethane	25.0	25.8		ug/L		10p	V0 - 1p0	10	20
1,1-Dichloroethane	25.0	21.4		ug/L		85	V0 - 1p0	12	20
1,1-Dichloroethene	25.0	22.V		ug/L		91	V0 - 1p0	14	20
1,1-Dichloro3ro3ene	25.0	2p.8		ug/L		95	V0 - 1p0	8	20
1,2,p-Trichlorobenzene	25.0	28.0		ug/L		112	V0 - 1p0	4	20
1,2,p-Trichloro3ro3ane	25.0	24.2		ug/L		9V	V0 - 1p0	5	20
1,2,4-Trichlorobenzene	25.0	25.p		ug/L		101	V0 - 1p0	1p	20
1,2,4-Trimethylbenzene	25.0	24.6		ug/L		98	V0 - 1p0	6	20
1,2-Dibromo-p-Chloro3ro3ane	25.0	26.2		ug/L		105	V0 - 1p0	11	20
1,2-Dichlorobenzene	25.0	25.4		ug/L		102	V0 - 1p0	10	20
1,2-Dichloroethane	25.0	2p.5		ug/L		94	V0 - 1p0	5	20
1,2-Dichloro3ro3ane	25.0	25.0		ug/L		100	V0 - 1p0	4	20
1,p,5-Trimethylbenzene	25.0	24.8		ug/L		99	V0 - 1p0	V	20
1,p-Dichlorobenzene	25.0	25.p		ug/L		101	V0 - 1p0	p	20
1,p-Dichloro3ro3ane	25.0	2p.5		ug/L		94	V0 - 1p0	p	20
1,4-Dichlorobenzene	25.0	25.9		ug/L		104	V0 - 1p0	2	20
1,4-Dioxane	500	V62	7	ug/L		152	V0 - 1p0	5	20
2,2-Dichloro3ro3ane	25.0	24.9		ug/L		100	V0 - 1p0	2	20
2-* utanone BME(K	125	1p1		ug/L		105	V0 - 1p0	0	20
2-Chlorotoluene	25.0	24.8		ug/L		99	V0 - 1p0	4	20
2-) exanone	125	116		ug/L		9p	V0 - 1p0	V	20
4-Chlorotoluene	25.0	22.1		ug/L		89	V0 - 1p0	V	20
4-Iso3ro3yltoluene	25.0	25.9		ug/L		104	V0 - 1p0	5	20
4-Methyl-2-3entanone BMI* (K	125	10p		ug/L		8p	V0 - 1p0	8	20
Acetone	125	12V		ug/L		101	V0 - 1p0	10	20

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

Lab Sample ID: LCSD 480-200987/5
Matrix: Water
Analysis Batch: 200987

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
* enzene	25.0	24.5		ug/L		98	V0 - 1p0	5	20
* romobenzene	25.0	2p.9		ug/L		96	V0 - 1p0	5	20
* romoh-orm	25.0	24.6		ug/L		98	V0 - 1p0	8	20
* romomethane	25.0	19.8		ug/L		V9	V0 - 1p0	9	20
Carbon disulHide	25.0	21.8		ug/L		8V	V0 - 1p0	15	20
Carbon tetrachloride	25.0	2p.V		ug/L		95	V0 - 1p0	9	20
Chlorobenzene	25.0	24.5		ug/L		98	V0 - 1p0	4	20
Chlorobromomethane	25.0	25.0		ug/L		100	V0 - 1p0	2	20
Chlorodibromomethane	25.0	26.6		ug/L		106	V0 - 1p0	p	20
Chloroethane	25.0	1V.8		ug/L		V1	V0 - 1p0	8	20
Chloroh-orm	25.0	2p.6		ug/L		94	V0 - 1p0	6	20
Chloromethane	25.0	2p.0		ug/L		92	V0 - 1p0	4	20
cis-1,2-Dichloroethene	25.0	25.0		ug/L		100	V0 - 1p0	4	20
cis-1,p-Dichloro3ro3ene	25.0	28.V		ug/L		115	V0 - 1p0	2	20
Dichlorobromomethane	25.0	24.4		ug/L		9V	V0 - 1p0	5	20
DichlorodiHluoromethane	25.0	21.0		ug/L		84	V0 - 1p0	9	20
Ethyl ether	25.0	2p.p		ug/L		9p	V0 - 1p0	1	20
Ethylbenzene	25.0	24.2		ug/L		9V	V0 - 1p0	6	20
Ethylene Dibromide	25.0	25.9		ug/L		104	V0 - 1p0	1	20
) exachlorobutadiene	25.0	22.9		ug/L		91	V0 - 1p0	15	20
Iso3ro3yl ether	25.0	21.p		ug/L		85	V0 - 1p0	V	20
Iso3ro3ylbenzene	25.0	2p.6		ug/L		94	V0 - 1p0	16	20
Methyl tert-butyl ether	25.0	22.p		ug/L		89	V0 - 1p0	4	20
Methylene Chloride	25.0	2p.2		ug/L		9p	V0 - 1p0	10	20
m-f ylene X 3-f ylene	25.0	24.p		ug/L		9V	V0 - 1p0	5	20
Na3hthalene	25.0	2V.8		ug/L		111	V0 - 1p0	2	20
n-* utylbenzene	25.0	26.0		ug/L		104	V0 - 1p0	10	20
N-Pro3ylbenzene	25.0	24.1		ug/L		96	V0 - 1p0	8	20
o-f ylene	25.0	22.2		ug/L		89	V0 - 1p0	16	20
sec-* utylbenzene	25.0	24.1		ug/L		9V	V0 - 1p0	9	20
Styrene	25.0	22.2		ug/L		89	V0 - 1p0	16	20
Tert-amyl methyl ether	25.0	28.V		ug/L		115	V0 - 1p0	1	20
Tert-butyl ethyl ether	25.0	24.0		ug/L		96	V0 - 1p0	4	20
tert-* utylbenzene	25.0	24.2		ug/L		9V	V0 - 1p0	8	20
Tetrachloroethene	25.0	25.1		ug/L		101	V0 - 1p0	2	20
Tetrahydroh-ran	50.0	62.2		ug/L		124	V0 - 1p0	2	20
Toluene	25.0	2p.2		ug/L		9p	V0 - 1p0	1p	20
trans-1,2-Dichloroethene	25.0	22.0		ug/L		88	V0 - 1p0	8	20
trans-1,p-Dichloro3ro3ene	25.0	2V.9		ug/L		112	V0 - 1p0	0	20
Trichloroethene	25.0	24.0		ug/L		96	V0 - 1p0	12	20
TrichloroHluoromethane	25.0	22.1		ug/L		88	V0 - 1p0	8	20
&inyl chloride	25.0	21.0		ug/L		84	V0 - 1p0	4	20
Dibromomethane	25.0	24.6		ug/L		98	V0 - 1p0	V	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*3/*		*72 - 102*
1:4-, Dcloroelct ne-d5 (Surr)	*37*		*72 - 102*
5-aroB omuorof enbene (Surr)	*34*		*72 - 102*

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

Lab Sample ID: MB 480-201080/8
Matrix: Water
Analysis Batch: 201080

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			09/05/14 2p:40	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/05/14 2p:40	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/05/14 2p:40	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/05/14 2p:40	1
1,1-Dichloroethane	ND		1.0		ug/L			09/05/14 2p:40	1
1,1-Dichloroethene	ND		1.0		ug/L			09/05/14 2p:40	1
1,1-Dichloro3ro3ene	ND		1.0		ug/L			09/05/14 2p:40	1
1,2,p-Trichlorobenzene	ND		1.0		ug/L			09/05/14 2p:40	1
1,2,p-Trichloro3ro3ane	ND		1.0		ug/L			09/05/14 2p:40	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/05/14 2p:40	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			09/05/14 2p:40	1
1,2-Dibromo-p-Chloro3ro3ane	ND		5.0		ug/L			09/05/14 2p:40	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/05/14 2p:40	1
1,2-Dichloroethane	ND		1.0		ug/L			09/05/14 2p:40	1
1,2-Dichloro3ro3ane	ND		1.0		ug/L			09/05/14 2p:40	1
1,p,5-Trimethylbenzene	ND		1.0		ug/L			09/05/14 2p:40	1
1,p-Dichlorobenzene	ND		1.0		ug/L			09/05/14 2p:40	1
1,p-Dichloro3ro3ane	ND		1.0		ug/L			09/05/14 2p:40	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/05/14 2p:40	1
1,4-Dioxane	ND		50		ug/L			09/05/14 2p:40	1
2,2-Dichloro3ro3ane	ND		1.0		ug/L			09/05/14 2p:40	1
2-* utanone BME(K	ND		10		ug/L			09/05/14 2p:40	1
2-Chlorotoluene	ND		1.0		ug/L			09/05/14 2p:40	1
2-) exanone	ND		10		ug/L			09/05/14 2p:40	1
4-Chlorotoluene	ND		1.0		ug/L			09/05/14 2p:40	1
4-Iso3ro3yltoluene	ND		1.0		ug/L			09/05/14 2p:40	1
4-Methyl-2-3entanone BMI* (K	ND		10		ug/L			09/05/14 2p:40	1
Acetone	ND		50		ug/L			09/05/14 2p:40	1
* enzene	ND		1.0		ug/L			09/05/14 2p:40	1
* romobenzene	ND		1.0		ug/L			09/05/14 2p:40	1
* romoHorm	ND		1.0		ug/L			09/05/14 2p:40	1
* romomethane	ND		2.0		ug/L			09/05/14 2p:40	1
Carbon disulHide	ND		10		ug/L			09/05/14 2p:40	1
Carbon tetrachloride	ND		1.0		ug/L			09/05/14 2p:40	1
Chlorobenzene	ND		1.0		ug/L			09/05/14 2p:40	1
Chlorobromomethane	ND		1.0		ug/L			09/05/14 2p:40	1
Chlorodibromomethane	ND		0.50		ug/L			09/05/14 2p:40	1
Chloroethane	ND		2.0		ug/L			09/05/14 2p:40	1
ChloroHorm	ND		1.0		ug/L			09/05/14 2p:40	1
Chloromethane	ND		2.0		ug/L			09/05/14 2p:40	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/05/14 2p:40	1
cis-1,p-Dichloro3ro3ene	ND		0.40		ug/L			09/05/14 2p:40	1
Dichlorobromomethane	ND		0.50		ug/L			09/05/14 2p:40	1
DichlorodiHluoromethane	ND		1.0		ug/L			09/05/14 2p:40	1
Ethyl ether	ND		1.0		ug/L			09/05/14 2p:40	1
Ethylbenzene	ND		1.0		ug/L			09/05/14 2p:40	1
Ethylene Dibromide	ND		1.0		ug/L			09/05/14 2p:40	1
) exachlorobutadiene	ND		0.40		ug/L			09/05/14 2p:40	1

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

Lab Sample ID: MB 480-201080/8
Matrix: Water
Analysis Batch: 201080

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iso3ro3yl ether	ND		10		ug/L			09/05/14 2p:40	1
Iso3ro3ylbenzene	ND		1.0		ug/L			09/05/14 2p:40	1
Methyl tert-butyl ether	ND		1.0		ug/L			09/05/14 2p:40	1
Methylene Chloride	ND		1.0		ug/L			09/05/14 2p:40	1
m-f ylene X 3-f ylene	ND		2.0		ug/L			09/05/14 2p:40	1
Na3hthalene	ND		5.0		ug/L			09/05/14 2p:40	1
n-* utylbenzene	ND		1.0		ug/L			09/05/14 2p:40	1
N-Pro3ylbenzene	ND		1.0		ug/L			09/05/14 2p:40	1
o-f ylene	ND		1.0		ug/L			09/05/14 2p:40	1
sec-* utylbenzene	ND		1.0		ug/L			09/05/14 2p:40	1
Styrene	ND		1.0		ug/L			09/05/14 2p:40	1
Tert-amyl methyl ether	ND		5.0		ug/L			09/05/14 2p:40	1
Tert-butyl ethyl ether	ND		5.0		ug/L			09/05/14 2p:40	1
tert-* utylbenzene	ND		1.0		ug/L			09/05/14 2p:40	1
Tetrachloroethene	ND		1.0		ug/L			09/05/14 2p:40	1
TetrahydroHuran	ND		10		ug/L			09/05/14 2p:40	1
Toluene	ND		1.0		ug/L			09/05/14 2p:40	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/05/14 2p:40	1
trans-1,p-Dichloro3ro3ene	ND		0.40		ug/L			09/05/14 2p:40	1
Trichloroethene	ND		1.0		ug/L			09/05/14 2p:40	1
TrichloroHluoromethane	ND		1.0		ug/L			09/05/14 2p:40	1
&inyl chloride	ND		1.0		ug/L			09/05/14 2p:40	1
Dibromomethane	ND		1.0		ug/L			09/05/14 2p:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*30*		*72 - 102*		*239/9/15 406:52*	*1*
1:4-, Dcloroeht ne-d5 (Surr)	*88*		*72 - 102*		*239/9/15 406:52*	*1*
5-aroB orhuorof enbene (Surr)	*128*		*72 - 102*		*239/9/15 406:52*	*1*

Lab Sample ID: LCS 480-201080/5
Matrix: Water
Analysis Batch: 201080

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	28.9		ug/L		115	V0 - 1p0
1,1,1-Trichloroethane	25.0	25.V		ug/L		10p	V0 - 1p0
1,1,2,2-Tetrachloroethane	25.0	24.9		ug/L		100	V0 - 1p0
1,1,2-Trichloroethane	25.0	25.9		ug/L		104	V0 - 1p0
1,1-Dichloroethane	25.0	26.1		ug/L		104	V0 - 1p0
1,1-Dichloroethene	25.0	26.0		ug/L		104	V0 - 1p0
1,1-Dichloro3ro3ene	25.0	25.6		ug/L		102	V0 - 1p0
1,2,p-Trichlorobenzene	25.0	2p.9		ug/L		96	V0 - 1p0
1,2,p-Trichloro3ro3ane	25.0	24.1		ug/L		96	V0 - 1p0
1,2,4-Trichlorobenzene	25.0	24.2		ug/L		9V	V0 - 1p0
1,2,4-Trimethylbenzene	25.0	25.1		ug/L		100	V0 - 1p0
1,2-Dibromo-p-Chloro3ro3ane	25.0	25.2		ug/L		101	V0 - 1p0
1,2-Dichlorobenzene	25.0	25.1		ug/L		100	V0 - 1p0
1,2-Dichloroethane	25.0	24.0		ug/L		96	V0 - 1p0

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

Lab Sample ID: LCS 480-201080/5
Matrix: Water
Analysis Batch: 201080

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloro3ro3ane	25.0	26.2		ug/L		105	V0 - 1p0
1,p,5-Trimethylbenzene	25.0	24.V		ug/L		99	V0 - 1p0
1,p-Dichlorobenzene	25.0	25.8		ug/L		10p	V0 - 1p0
1,p-Dichloro3ro3ane	25.0	26.6		ug/L		10V	V0 - 1p0
1,4-Dichlorobenzene	25.0	25.6		ug/L		102	V0 - 1p0
1,4-Dioxane	500	45p		ug/L		91	V0 - 1p0
2,2-Dichloro3ro3ane	25.0	2V.V		ug/L		111	V0 - 1p0
2-* utanone BME(K	125	1p6		ug/L		109	V0 - 1p0
2-Chlorotoluene	25.0	24.9		ug/L		100	V0 - 1p0
2-) exanone	125	1V5	7	ug/L		140	V0 - 1p0
4-Chlorotoluene	25.0	26.8		ug/L		10V	V0 - 1p0
4-Iso3ro3yltoluene	25.0	25.1		ug/L		101	V0 - 1p0
4-Methyl-2-3entanone BMI* (K	125	126		ug/L		101	V0 - 1p0
Acetone	125	109		ug/L		8V	V0 - 1p0
* enzene	25.0	25.4		ug/L		102	V0 - 1p0
* romobenzene	25.0	25.4		ug/L		102	V0 - 1p0
* romoHorm	25.0	p0.9		ug/L		124	V0 - 1p0
* romomethane	25.0	24.p		ug/L		9V	V0 - 1p0
Carbon disulHide	25.0	26.4		ug/L		106	V0 - 1p0
Carbon tetrachloride	25.0	2V.1		ug/L		108	V0 - 1p0
Chlorobenzene	25.0	26.9		ug/L		108	V0 - 1p0
Chlorobromomethane	25.0	26.2		ug/L		105	V0 - 1p0
Chlorodibromomethane	25.0	29.1		ug/L		116	V0 - 1p0
Chloroethane	25.0	24.1		ug/L		9V	V0 - 1p0
ChloroHorm	25.0	24.6		ug/L		98	V0 - 1p0
Chloromethane	25.0	2p.2		ug/L		9p	V0 - 1p0
cis-1,2-Dichloroethene	25.0	25.1		ug/L		101	V0 - 1p0
cis-1,p-Dichloro3ro3ene	25.0	26.2		ug/L		105	V0 - 1p0
Dichlorobromomethane	25.0	26.0		ug/L		104	V0 - 1p0
DichlorodiHluoromethane	25.0	21.0		ug/L		84	V0 - 1p0
Ethyl ether	25.0	25.2		ug/L		101	V0 - 1p0
Ethylbenzene	25.0	25.6		ug/L		102	V0 - 1p0
Ethylene Dibromide	25.0	25.8		ug/L		10p	V0 - 1p0
) exachlorobutadiene	25.0	28.p		ug/L		11p	V0 - 1p0
Iso3ro3yl ether	25.0	2p.4		ug/L		94	V0 - 1p0
Iso3ro3ylbenzene	25.0	2p.9		ug/L		95	V0 - 1p0
Methyl tert-butyl ether	25.0	24.5		ug/L		98	V0 - 1p0
Methylene Chloride	25.0	26.4		ug/L		106	V0 - 1p0
m-f ylene X 3-f ylene	25.0	26.6		ug/L		106	V0 - 1p0
Na3hthalene	25.0	22.2		ug/L		89	V0 - 1p0
n-* utylbenzene	25.0	25.0		ug/L		100	V0 - 1p0
N-Pro3ylbenzene	25.0	24.6		ug/L		99	V0 - 1p0
o-f ylene	25.0	25.9		ug/L		10p	V0 - 1p0
sec-* utylbenzene	25.0	24.5		ug/L		98	V0 - 1p0
Styrene	25.0	25.5		ug/L		102	V0 - 1p0
Tert-amyl methyl ether	25.0	25.5		ug/L		102	V0 - 1p0
Tert-butyl ethyl ether	25.0	24.p		ug/L		9V	V0 - 1p0
tert-* utylbenzene	25.0	24.p		ug/L		9V	V0 - 1p0

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

Lab Sample ID: LCS 480-201080/5
Matrix: Water
Analysis Batch: 201080

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	28.8		ug/L		115	V0 - 1p0		
Tetrahydroh.ran			50.0	50.6		ug/L		101	V0 - 1p0		
Toluene			25.0	26.1		ug/L		104	V0 - 1p0		
trans-1,2-Dichloroethene			25.0	26.4		ug/L		106	V0 - 1p0		
trans-1,p-Dichloro3ro3ene			25.0	26.9		ug/L		108	V0 - 1p0		
Trichloroethene			25.0	26.6		ug/L		106	V0 - 1p0		
Trichlorohluoromethane			25.0	24.V		ug/L		99	V0 - 1p0		
&inyl chloride			25.0	2p.4		ug/L		94	V0 - 1p0		
Dibromomethane			25.0	25.0		ug/L		100	V0 - 1p0		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*3/*		*72 - 102*
1:4-, Dcloroelct ne-d5 (Surr)	*3z*		*72 - 102*
5-aroB orhuorof enbene (Surr)	*110*		*72 - 102*

Lab Sample ID: LCSD 480-201080/6
Matrix: Water
Analysis Batch: 201080

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	2V.6		ug/L		110	V0 - 1p0	5	20
1,1,1-Trichloroethane			25.0	24.2		ug/L		9V	V0 - 1p0	6	20
1,1,2,2-Tetrachloroethane			25.0	25.p		ug/L		101	V0 - 1p0	1	20
1,1,2-Trichloroethane			25.0	25.6		ug/L		102	V0 - 1p0	1	20
1,1-Dichloroethane			25.0	25.0		ug/L		100	V0 - 1p0	4	20
1,1-Dichloroethene			25.0	24.2		ug/L		9V	V0 - 1p0	V	20
1,1-Dichloro3ro3ene			25.0	24.8		ug/L		99	V0 - 1p0	p	20
1,2,p-Trichlorobenzene			25.0	25.6		ug/L		102	V0 - 1p0	V	20
1,2,p-Trichloro3ro3ane			25.0	25.p		ug/L		101	V0 - 1p0	5	20
1,2,4-Trichlorobenzene			25.0	25.2		ug/L		101	V0 - 1p0	4	20
1,2,4-Trimethylbenzene			25.0	24.9		ug/L		99	V0 - 1p0	1	20
1,2-Dibromo-p-Chloro3ro3ane			25.0	25.9		ug/L		104	V0 - 1p0	p	20
1,2-Dichlorobenzene			25.0	25.5		ug/L		102	V0 - 1p0	2	20
1,2-Dichloroethane			25.0	2p.6		ug/L		94	V0 - 1p0	2	20
1,2-Dichloro3ro3ane			25.0	25.6		ug/L		102	V0 - 1p0	p	20
1,p,5-Trimethylbenzene			25.0	24.5		ug/L		98	V0 - 1p0	1	20
1,p-Dichlorobenzene			25.0	25.6		ug/L		10p	V0 - 1p0	1	20
1,p-Dichloro3ro3ane			25.0	26.0		ug/L		104	V0 - 1p0	2	20
1,4-Dichlorobenzene			25.0	25.V		ug/L		10p	V0 - 1p0	1	20
1,4-Dioxane			500	542		ug/L		108	V0 - 1p0	18	20
2,2-Dichloro3ro3ane			25.0	26.0		ug/L		104	V0 - 1p0	6	20
2-* utanone BME(K			125	1p9		ug/L		111	V0 - 1p0	2	20
2-Chlorotoluene			25.0	25.6		ug/L		102	V0 - 1p0	p	20
2-) exanone			125	1V5	7	ug/L		140	V0 - 1p0	0	20
4-Chlorotoluene			25.0	2V.1		ug/L		108	V0 - 1p0	1	20
4-Iso3ro3yltoluene			25.0	24.8		ug/L		99	V0 - 1p0	1	20
4-Methyl-2-3entanone BMI* (K			125	12p		ug/L		98	V0 - 1p0	2	20
Acetone			125	10V		ug/L		86	V0 - 1p0	2	20

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

Lab Sample ID: LCSD 480-201080/6
Matrix: Water
Analysis Batch: 201080

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
* enzene	25.0	24.p		ug/L		9V	V0 - 1p0	4	20
* romobenzene	25.0	26.0		ug/L		104	V0 - 1p0	2	20
* romoh-orm	25.0	p0.1		ug/L		120	V0 - 1p0	p	20
* romomethane	25.0	22.6		ug/L		90	V0 - 1p0	V	20
Carbon disulHide	25.0	24.8		ug/L		99	V0 - 1p0	6	20
Carbon tetrachloride	25.0	25.V		ug/L		10p	V0 - 1p0	5	20
Chlorobenzene	25.0	25.V		ug/L		10p	V0 - 1p0	5	20
Chlorobromomethane	25.0	25.5		ug/L		102	V0 - 1p0	p	20
Chlorodibromomethane	25.0	28.1		ug/L		112	V0 - 1p0	p	20
Chloroethane	25.0	22.5		ug/L		90	V0 - 1p0	V	20
Chloroh-orm	25.0	2p.6		ug/L		94	V0 - 1p0	4	20
Chloromethane	25.0	21.p		ug/L		85	V0 - 1p0	8	20
cis-1,2-Dichloroethene	25.0	24.5		ug/L		98	V0 - 1p0	2	20
cis-1,p-Dichloro3ro3ene	25.0	26.0		ug/L		104	V0 - 1p0	1	20
Dichlorobromomethane	25.0	25.5		ug/L		102	V0 - 1p0	2	20
DichlorodiHluoromethane	25.0	19.0		ug/L		V6	V0 - 1p0	10	20
Ethyl ether	25.0	25.V		ug/L		10p	V0 - 1p0	2	20
Ethylbenzene	25.0	24.4		ug/L		9V	V0 - 1p0	5	20
Ethylene Dibromide	25.0	25.5		ug/L		102	V0 - 1p0	1	20
) exachlorobutadiene	25.0	2V.4		ug/L		110	V0 - 1p0	p	20
Iso3ro3yl ether	25.0	2p.0		ug/L		92	V0 - 1p0	2	20
Iso3ro3ylbenzene	25.0	2p.9		ug/L		95	V0 - 1p0	0	20
Methyl tert-butyl ether	25.0	24.V		ug/L		99	V0 - 1p0	1	20
Methylene Chloride	25.0	25.6		ug/L		102	V0 - 1p0	p	20
m-f ylene X 3-f ylene	25.0	25.2		ug/L		101	V0 - 1p0	5	20
Na3hthalene	25.0	24.0		ug/L		96	V0 - 1p0	8	20
n-* utylbenzene	25.0	24.6		ug/L		99	V0 - 1p0	1	20
N-Pro3ylbenzene	25.0	24.1		ug/L		96	V0 - 1p0	2	20
o-f ylene	25.0	25.0		ug/L		100	V0 - 1p0	p	20
sec-* utylbenzene	25.0	24.p		ug/L		9V	V0 - 1p0	1	20
Styrene	25.0	24.V		ug/L		99	V0 - 1p0	p	20
Tert-amyl methyl ether	25.0	25.8		ug/L		10p	V0 - 1p0	1	20
Tert-butyl ethyl ether	25.0	24.4		ug/L		9V	V0 - 1p0	0	20
tert-* utylbenzene	25.0	24.p		ug/L		9V	V0 - 1p0	0	20
Tetrachloroethene	25.0	2V.4		ug/L		109	V0 - 1p0	5	20
Tetrahydroh-iran	50.0	51.9		ug/L		104	V0 - 1p0	p	20
Toluene	25.0	24.V		ug/L		99	V0 - 1p0	6	20
trans-1,2-Dichloroethene	25.0	25.1		ug/L		101	V0 - 1p0	5	20
trans-1,p-Dichloro3ro3ene	25.0	26.5		ug/L		106	V0 - 1p0	1	20
Trichloroethene	25.0	25.2		ug/L		101	V0 - 1p0	5	20
TrichloroHluoromethane	25.0	2p.0		ug/L		92	V0 - 1p0	V	20
&inyl chloride	25.0	21.V		ug/L		8V	V0 - 1p0	8	20
Dibromomethane	25.0	24.5		ug/L		98	V0 - 1p0	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*35*		*72 - 102*
1:4-, Dcloroelct ne-d5 (Surr)	*3/*		*72 - 102*
5-aroB orhuorof enbene (Surr)	*11/*		*72 - 102*

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

Lab Sample ID: MB 480-201129/8
Matrix: Water
Analysis Batch: 201129

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			09/06/14 1p:20	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/06/14 1p:20	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/06/14 1p:20	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/06/14 1p:20	1
1,1-Dichloroethane	ND		1.0		ug/L			09/06/14 1p:20	1
1,1-Dichloroethene	ND		1.0		ug/L			09/06/14 1p:20	1
1,1-Dichloro3ro3ene	ND		1.0		ug/L			09/06/14 1p:20	1
1,2,p-Trichlorobenzene	ND		1.0		ug/L			09/06/14 1p:20	1
1,2,p-Trichloro3ro3ane	ND		1.0		ug/L			09/06/14 1p:20	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/06/14 1p:20	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			09/06/14 1p:20	1
1,2-Dibromo-p-Chloro3ro3ane	ND		5.0		ug/L			09/06/14 1p:20	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/06/14 1p:20	1
1,2-Dichloroethane	ND		1.0		ug/L			09/06/14 1p:20	1
1,2-Dichloro3ro3ane	ND		1.0		ug/L			09/06/14 1p:20	1
1,p,5-Trimethylbenzene	ND		1.0		ug/L			09/06/14 1p:20	1
1,p-Dichlorobenzene	ND		1.0		ug/L			09/06/14 1p:20	1
1,p-Dichloro3ro3ane	ND		1.0		ug/L			09/06/14 1p:20	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/06/14 1p:20	1
1,4-Dioxane	ND		50		ug/L			09/06/14 1p:20	1
2,2-Dichloro3ro3ane	ND		1.0		ug/L			09/06/14 1p:20	1
2-* utanone BME(K	ND		10		ug/L			09/06/14 1p:20	1
2-Chlorotoluene	ND		1.0		ug/L			09/06/14 1p:20	1
2-) exanone	ND		10		ug/L			09/06/14 1p:20	1
4-Chlorotoluene	ND		1.0		ug/L			09/06/14 1p:20	1
4-Iso3ro3yltoluene	ND		1.0		ug/L			09/06/14 1p:20	1
4-Methyl-2-3entanone BMI* (K	ND		10		ug/L			09/06/14 1p:20	1
Acetone	ND		50		ug/L			09/06/14 1p:20	1
* enzene	ND		1.0		ug/L			09/06/14 1p:20	1
* romobenzene	ND		1.0		ug/L			09/06/14 1p:20	1
* romoHorm	ND		1.0		ug/L			09/06/14 1p:20	1
* romomethane	ND		2.0		ug/L			09/06/14 1p:20	1
Carbon disulHide	ND		10		ug/L			09/06/14 1p:20	1
Carbon tetrachloride	ND		1.0		ug/L			09/06/14 1p:20	1
Chlorobenzene	ND		1.0		ug/L			09/06/14 1p:20	1
Chlorobromomethane	ND		1.0		ug/L			09/06/14 1p:20	1
Chlorodibromomethane	ND		0.50		ug/L			09/06/14 1p:20	1
Chloroethane	ND		2.0		ug/L			09/06/14 1p:20	1
ChloroHorm	ND		1.0		ug/L			09/06/14 1p:20	1
Chloromethane	ND		2.0		ug/L			09/06/14 1p:20	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/06/14 1p:20	1
cis-1,p-Dichloro3ro3ene	ND		0.40		ug/L			09/06/14 1p:20	1
Dichlorobromomethane	ND		0.50		ug/L			09/06/14 1p:20	1
DichlorodiHluoromethane	ND		1.0		ug/L			09/06/14 1p:20	1
Ethyl ether	ND		1.0		ug/L			09/06/14 1p:20	1
Ethylbenzene	ND		1.0		ug/L			09/06/14 1p:20	1
Ethylene Dibromide	ND		1.0		ug/L			09/06/14 1p:20	1
) exachlorobutadiene	ND		0.40		ug/L			09/06/14 1p:20	1

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

Lab Sample ID: MB 480-201129/8
Matrix: Water
Analysis Batch: 201129

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iso3ro3yl ether	ND		10		ug/L			09/06/14 1p:20	1
Iso3ro3ylbenzene	ND		1.0		ug/L			09/06/14 1p:20	1
Methyl tert-butyl ether	ND		1.0		ug/L			09/06/14 1p:20	1
Methylene Chloride	ND		1.0		ug/L			09/06/14 1p:20	1
m-f ylene X 3-f ylene	ND		2.0		ug/L			09/06/14 1p:20	1
Na3hthalene	ND		5.0		ug/L			09/06/14 1p:20	1
n-* utylbenzene	ND		1.0		ug/L			09/06/14 1p:20	1
N-Pro3ylbenzene	ND		1.0		ug/L			09/06/14 1p:20	1
o-f ylene	ND		1.0		ug/L			09/06/14 1p:20	1
sec-* utylbenzene	ND		1.0		ug/L			09/06/14 1p:20	1
Styrene	ND		1.0		ug/L			09/06/14 1p:20	1
Tert-amyl methyl ether	ND		5.0		ug/L			09/06/14 1p:20	1
Tert-butyl ethyl ether	ND		5.0		ug/L			09/06/14 1p:20	1
tert-* utylbenzene	ND		1.0		ug/L			09/06/14 1p:20	1
Tetrachloroethene	ND		1.0		ug/L			09/06/14 1p:20	1
TetrahydroHuran	ND		10		ug/L			09/06/14 1p:20	1
Toluene	ND		1.0		ug/L			09/06/14 1p:20	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/06/14 1p:20	1
trans-1,p-Dichloro3ro3ene	ND		0.40		ug/L			09/06/14 1p:20	1
Trichloroethene	ND		1.0		ug/L			09/06/14 1p:20	1
TrichloroHluoromethane	ND		1.0		ug/L			09/06/14 1p:20	1
&inyl chloride	ND		1.0		ug/L			09/06/14 1p:20	1
Dibromomethane	ND		1.0		ug/L			09/06/14 1p:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*30*		*72 - 102*		*239z9l5 106l42*	*1*
1:4-, Dcloroelct ne-d5 (Surr)	*87*		*72 - 102*		*239z9l5 106l42*	*1*
5-aroB orhuorof enbene (Surr)	*111*		*72 - 102*		*239z9l5 106l42*	*1*

Lab Sample ID: LCS 480-201129/5
Matrix: Water
Analysis Batch: 201129

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	28.5		ug/L		114	V0 - 1p0
1,1,1-Trichloroethane	25.0	25.2		ug/L		101	V0 - 1p0
1,1,2,2-Tetrachloroethane	25.0	25.1		ug/L		100	V0 - 1p0
1,1,2-Trichloroethane	25.0	25.0		ug/L		100	V0 - 1p0
1,1-Dichloroethane	25.0	25.9		ug/L		104	V0 - 1p0
1,1-Dichloroethene	25.0	25.V		ug/L		10p	V0 - 1p0
1,1-Dichloro3ro3ene	25.0	25.4		ug/L		102	V0 - 1p0
1,2,p-Trichlorobenzene	25.0	25.p		ug/L		101	V0 - 1p0
1,2,p-Trichloro3ro3ane	25.0	24.8		ug/L		99	V0 - 1p0
1,2,4-Trichlorobenzene	25.0	25.4		ug/L		102	V0 - 1p0
1,2,4-Trimethylbenzene	25.0	25.8		ug/L		10p	V0 - 1p0
1,2-Dibromo-p-Chloro3ro3ane	25.0	25.V		ug/L		10p	V0 - 1p0
1,2-Dichlorobenzene	25.0	25.8		ug/L		10p	V0 - 1p0
1,2-Dichloroethane	25.0	2p.6		ug/L		94	V0 - 1p0

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

Lab Sample ID: LCS 480-201129/5
Matrix: Water
Analysis Batch: 201129

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloro3ro3ane	25.0	26.1		ug/L		104	V0 - 1p0
1,p,5-Trimethylbenzene	25.0	25.2		ug/L		101	V0 - 1p0
1,p-Dichlorobenzene	25.0	26.1		ug/L		104	V0 - 1p0
1,p-Dichloro3ro3ane	25.0	26.1		ug/L		104	V0 - 1p0
1,4-Dichlorobenzene	25.0	26.0		ug/L		104	V0 - 1p0
1,4-Dioxane	500	4p5		ug/L		8V	V0 - 1p0
2,2-Dichloro3ro3ane	25.0	2V.0		ug/L		108	V0 - 1p0
2-* utanone BME(K	125	20V	7	ug/L		166	V0 - 1p0
2-Chlorotoluene	25.0	26.0		ug/L		104	V0 - 1p0
2-) exanone	125	1V2	7	ug/L		1p8	V0 - 1p0
4-Chlorotoluene	25.0	2V.5		ug/L		110	V0 - 1p0
4-Iso3ro3yltoluene	25.0	25.6		ug/L		102	V0 - 1p0
4-Methyl-2-3entanone BMI* (K	125	12p		ug/L		99	V0 - 1p0
Acetone	125	115		ug/L		92	V0 - 1p0
* enzene	25.0	25.p		ug/L		101	V0 - 1p0
* romobenzene	25.0	26.1		ug/L		104	V0 - 1p0
* romoHorm	25.0	p0.0		ug/L		120	V0 - 1p0
* romomethane	25.0	2p.6		ug/L		94	V0 - 1p0
Carbon disulHide	25.0	26.0		ug/L		104	V0 - 1p0
Carbon tetrachloride	25.0	26.4		ug/L		105	V0 - 1p0
Chlorobenzene	25.0	26.5		ug/L		106	V0 - 1p0
Chlorobromomethane	25.0	26.0		ug/L		104	V0 - 1p0
Chlorodibromomethane	25.0	28.V		ug/L		115	V0 - 1p0
Chloroethane	25.0	24.0		ug/L		96	V0 - 1p0
ChloroHorm	25.0	24.5		ug/L		98	V0 - 1p0
Chloromethane	25.0	21.8		ug/L		8V	V0 - 1p0
cis-1,2-Dichloroethene	25.0	25.4		ug/L		102	V0 - 1p0
cis-1,p-Dichloro3ro3ene	25.0	26.1		ug/L		105	V0 - 1p0
Dichlorobromomethane	25.0	25.4		ug/L		102	V0 - 1p0
DichlorodiHluoromethane	25.0	18.1		ug/L		Vp	V0 - 1p0
Ethyl ether	25.0	26.1		ug/L		104	V0 - 1p0
Ethylbenzene	25.0	25.2		ug/L		101	V0 - 1p0
Ethylene Dibromide	25.0	26.0		ug/L		104	V0 - 1p0
) exachlorobutadiene	25.0	28.0		ug/L		112	V0 - 1p0
Iso3ro3yl ether	25.0	22.4		ug/L		89	V0 - 1p0
Iso3ro3ylbenzene	25.0	24.4		ug/L		9V	V0 - 1p0
Methyl tert-butyl ether	25.0	25.p		ug/L		101	V0 - 1p0
Methylene Chloride	25.0	26.0		ug/L		104	V0 - 1p0
m-f ylene X 3-f ylene	25.0	26.6		ug/L		106	V0 - 1p0
Na3hthalene	25.0	2p.p		ug/L		9p	V0 - 1p0
n-* utylbenzene	25.0	25.p		ug/L		101	V0 - 1p0
N-Pro3ylbenzene	25.0	25.0		ug/L		100	V0 - 1p0
o-f ylene	25.0	26.1		ug/L		104	V0 - 1p0
sec-* utylbenzene	25.0	25.0		ug/L		100	V0 - 1p0
Styrene	25.0	25.4		ug/L		101	V0 - 1p0
Tert-amyl methyl ether	25.0	24.8		ug/L		99	V0 - 1p0
Tert-butyl ethyl ether	25.0	2p.5		ug/L		94	V0 - 1p0
tert-* utylbenzene	25.0	24.6		ug/L		99	V0 - 1p0

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

Lab Sample ID: LCS 480-201129/5
Matrix: Water
Analysis Batch: 201129

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	2V.5		ug/L		110	V0 - 1p0		
Tetrahydroh4ran			50.0	50.V		ug/L		101	V0 - 1p0		
Toluene			25.0	25.8		ug/L		10p	V0 - 1p0		
trans-1,2-Dichloroethene			25.0	25.V		ug/L		10p	V0 - 1p0		
trans-1,p-Dichloro3ro3ene			25.0	26.8		ug/L		10V	V0 - 1p0		
Trichloroethene			25.0	26.1		ug/L		104	V0 - 1p0		
TrichloroHluoromethane			25.0	2p.8		ug/L		95	V0 - 1p0		
&inyl chloride			25.0	22.p		ug/L		89	V0 - 1p0		
Dibromomethane			25.0	24.6		ug/L		98	V0 - 1p0		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*35*		*72 - 102*
1:4-, Dcloroelct ne-d5 (Surr)	*84*		*72 - 102*
5-aroB orhuorof enbene (Surr)	*115*		*72 - 102*

Lab Sample ID: LCSD 480-201129/6
Matrix: Water
Analysis Batch: 201129

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	28.4		ug/L		114	V0 - 1p0	0	20
1,1,1-Trichloroethane			25.0	24.6		ug/L		99	V0 - 1p0	2	20
1,1,2,2-Tetrachloroethane			25.0	25.2		ug/L		101	V0 - 1p0	0	20
1,1,2-Trichloroethane			25.0	25.4		ug/L		101	V0 - 1p0	1	20
1,1-Dichloroethane			25.0	25.1		ug/L		100	V0 - 1p0	p	20
1,1-Dichloroethene			25.0	24.5		ug/L		98	V0 - 1p0	5	20
1,1-Dichloro3ro3ene			25.0	24.8		ug/L		99	V0 - 1p0	2	20
1,2,p-Trichlorobenzene			25.0	25.8		ug/L		10p	V0 - 1p0	2	20
1,2,p-Trichloro3ro3ane			25.0	24.p		ug/L		9V	V0 - 1p0	2	20
1,2,4-Trichlorobenzene			25.0	26.0		ug/L		104	V0 - 1p0	2	20
1,2,4-Trimethylbenzene			25.0	24.9		ug/L		100	V0 - 1p0	p	20
1,2-Dibromo-p-Chloro3ro3ane			25.0	26.p		ug/L		105	V0 - 1p0	p	20
1,2-Dichlorobenzene			25.0	25.p		ug/L		101	V0 - 1p0	2	20
1,2-Dichloroethane			25.0	2p.1		ug/L		92	V0 - 1p0	2	20
1,2-Dichloro3ro3ane			25.0	25.8		ug/L		10p	V0 - 1p0	1	20
1,p,5-Trimethylbenzene			25.0	24.V		ug/L		99	V0 - 1p0	2	20
1,p-Dichlorobenzene			25.0	25.V		ug/L		10p	V0 - 1p0	1	20
1,p-Dichloro3ro3ane			25.0	26.p		ug/L		105	V0 - 1p0	1	20
1,4-Dichlorobenzene			25.0	25.8		ug/L		10p	V0 - 1p0	0	20
1,4-Dioxane			500	5p9	7	ug/L		108	V0 - 1p0	21	20
2,2-Dichloro3ro3ane			25.0	26.2		ug/L		105	V0 - 1p0	p	20
2-* utanone BME(K			125	211	7	ug/L		168	V0 - 1p0	2	20
2-Chlorotoluene			25.0	25.8		ug/L		10p	V0 - 1p0	1	20
2-) exanone			125	1VV	7	ug/L		141	V0 - 1p0	p	20
4-Chlorotoluene			25.0	2V.1		ug/L		108	V0 - 1p0	1	20
4-Iso3ro3yltoluene			25.0	25.2		ug/L		101	V0 - 1p0	1	20
4-Methyl-2-3entanone BMI* (K			125	126		ug/L		101	V0 - 1p0	2	20
Acetone			125	118		ug/L		94	V0 - 1p0	2	20

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

Lab Sample ID: LCSD 480-201129/6
Matrix: Water
Analysis Batch: 201129

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
* enzene	25.0	24.4		ug/L		9V	V0 - 1p0	4	20
* romobenzene	25.0	25.6		ug/L		102	V0 - 1p0	2	20
* romoh•rm	25.0	p0.5		ug/L		122	V0 - 1p0	2	20
* romomethane	25.0	22.9		ug/L		91	V0 - 1p0	p	20
Carbon disulh•de	25.0	25.1		ug/L		100	V0 - 1p0	p	20
Carbon tetrachloride	25.0	25.5		ug/L		102	V0 - 1p0	p	20
Chlorobenzene	25.0	26.2		ug/L		105	V0 - 1p0	1	20
Chlorobromomethane	25.0	25.0		ug/L		100	V0 - 1p0	4	20
Chlorodibromomethane	25.0	28.9		ug/L		115	V0 - 1p0	1	20
Chloroethane	25.0	22.6		ug/L		90	V0 - 1p0	6	20
Chloroh•rm	25.0	2p.4		ug/L		94	V0 - 1p0	5	20
Chloromethane	25.0	20.8		ug/L		8p	V0 - 1p0	5	20
cis-1,2-Dichloroethene	25.0	24.p		ug/L		9V	V0 - 1p0	4	20
cis-1,p-Dichloro3ro3ene	25.0	25.5		ug/L		102	V0 - 1p0	2	20
Dichlorobromomethane	25.0	25.0		ug/L		100	V0 - 1p0	2	20
Dichlorodih•uoromethane	25.0	16.8	7	ug/L		6V	V0 - 1p0	8	20
Ethyl ether	25.0	25.6		ug/L		102	V0 - 1p0	2	20
Ethylbenzene	25.0	25.1		ug/L		100	V0 - 1p0	1	20
Ethylene Dibromide	25.0	26.0		ug/L		104	V0 - 1p0	0	20
) exachlorobutadiene	25.0	28.0		ug/L		112	V0 - 1p0	0	20
Iso3ro3yl ether	25.0	22.0		ug/L		88	V0 - 1p0	2	20
Iso3ro3ylbenzene	25.0	24.2		ug/L		9V	V0 - 1p0	1	20
Methyl tert-butyl ether	25.0	25.0		ug/L		100	V0 - 1p0	1	20
Methylene Chloride	25.0	25.p		ug/L		101	V0 - 1p0	p	20
m-f ylene X 3-f ylene	25.0	25.9		ug/L		104	V0 - 1p0	2	20
Na3hthalene	25.0	24.p		ug/L		9V	V0 - 1p0	4	20
n-* utylbenzene	25.0	24.p		ug/L		9V	V0 - 1p0	4	20
N-Pro3ylbenzene	25.0	24.2		ug/L		9V	V0 - 1p0	p	20
o-f ylene	25.0	25.V		ug/L		10p	V0 - 1p0	1	20
sec-* utylbenzene	25.0	24.p		ug/L		9V	V0 - 1p0	p	20
Styrene	25.0	25.2		ug/L		101	V0 - 1p0	1	20
Tert-amyl methyl ether	25.0	24.V		ug/L		99	V0 - 1p0	0	20
Tert-butyl ethyl ether	25.0	2p.p		ug/L		9p	V0 - 1p0	1	20
tert-* utylbenzene	25.0	24.9		ug/L		100	V0 - 1p0	1	20
Tetrachloroethene	25.0	2V.4		ug/L		109	V0 - 1p0	0	20
Tetrahydroh•ran	50.0	52.0		ug/L		104	V0 - 1p0	2	20
Toluene	25.0	25.V		ug/L		10p	V0 - 1p0	1	20
trans-1,2-Dichloroethene	25.0	25.1		ug/L		100	V0 - 1p0	p	20
trans-1,p-Dichloro3ro3ene	25.0	26.6		ug/L		10V	V0 - 1p0	1	20
Trichloroethene	25.0	25.5		ug/L		102	V0 - 1p0	2	20
Trichloroh•uoromethane	25.0	22.5		ug/L		90	V0 - 1p0	6	20
&inyl chloride	25.0	21.2		ug/L		85	V0 - 1p0	5	20
Dibromomethane	25.0	24.4		ug/L		9V	V0 - 1p0	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*3/*		*72 - 102*
1:4-, Dcloroeh•ct ne-d5 (Surr)	*30*		*72 - 102*
5-aroB orh•uorof enbene (Surr)	*115*		*72 - 102*

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

Lab Sample ID: MB 480-201180/8
Matrix: Water
Analysis Batch: 201180

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			09/0V/14 2p:49	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/0V/14 2p:49	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/0V/14 2p:49	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/0V/14 2p:49	1
1,1-Dichloroethane	ND		1.0		ug/L			09/0V/14 2p:49	1
1,1-Dichloroethene	ND		1.0		ug/L			09/0V/14 2p:49	1
1,1-Dichloro3ro3ene	ND		1.0		ug/L			09/0V/14 2p:49	1
1,2,p-Trichlorobenzene	ND		1.0		ug/L			09/0V/14 2p:49	1
1,2,p-Trichloro3ro3ane	ND		1.0		ug/L			09/0V/14 2p:49	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/0V/14 2p:49	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			09/0V/14 2p:49	1
1,2-Dibromo-p-Chloro3ro3ane	ND		5.0		ug/L			09/0V/14 2p:49	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/0V/14 2p:49	1
1,2-Dichloroethane	ND		1.0		ug/L			09/0V/14 2p:49	1
1,2-Dichloro3ro3ane	ND		1.0		ug/L			09/0V/14 2p:49	1
1,p,5-Trimethylbenzene	ND		1.0		ug/L			09/0V/14 2p:49	1
1,p-Dichlorobenzene	ND		1.0		ug/L			09/0V/14 2p:49	1
1,p-Dichloro3ro3ane	ND		1.0		ug/L			09/0V/14 2p:49	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/0V/14 2p:49	1
1,4-Dioxane	ND		50		ug/L			09/0V/14 2p:49	1
2,2-Dichloro3ro3ane	ND		1.0		ug/L			09/0V/14 2p:49	1
2-* utanone BME(K	ND		10		ug/L			09/0V/14 2p:49	1
2-Chlorotoluene	ND		1.0		ug/L			09/0V/14 2p:49	1
2-) exanone	ND		10		ug/L			09/0V/14 2p:49	1
4-Chlorotoluene	ND		1.0		ug/L			09/0V/14 2p:49	1
4-Iso3ro3yltoluene	ND		1.0		ug/L			09/0V/14 2p:49	1
4-Methyl-2-3entanone BMI* (K	ND		10		ug/L			09/0V/14 2p:49	1
Acetone	ND		50		ug/L			09/0V/14 2p:49	1
* enzene	ND		1.0		ug/L			09/0V/14 2p:49	1
* romobenzene	ND		1.0		ug/L			09/0V/14 2p:49	1
* romoHorm	ND		1.0		ug/L			09/0V/14 2p:49	1
* romomethane	ND		2.0		ug/L			09/0V/14 2p:49	1
Carbon disulHide	ND		10		ug/L			09/0V/14 2p:49	1
Carbon tetrachloride	ND		1.0		ug/L			09/0V/14 2p:49	1
Chlorobenzene	ND		1.0		ug/L			09/0V/14 2p:49	1
Chlorobromomethane	ND		1.0		ug/L			09/0V/14 2p:49	1
Chlorodibromomethane	ND		0.50		ug/L			09/0V/14 2p:49	1
Chloroethane	ND		2.0		ug/L			09/0V/14 2p:49	1
ChloroHorm	ND		1.0		ug/L			09/0V/14 2p:49	1
Chloromethane	ND		2.0		ug/L			09/0V/14 2p:49	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/0V/14 2p:49	1
cis-1,p-Dichloro3ro3ene	ND		0.40		ug/L			09/0V/14 2p:49	1
Dichlorobromomethane	ND		0.50		ug/L			09/0V/14 2p:49	1
DichlorodiHluoromethane	ND		1.0		ug/L			09/0V/14 2p:49	1
Ethyl ether	ND		1.0		ug/L			09/0V/14 2p:49	1
Ethylbenzene	ND		1.0		ug/L			09/0V/14 2p:49	1
Ethylene Dibromide	ND		1.0		ug/L			09/0V/14 2p:49	1
) exachlorobutadiene	ND		0.40		ug/L			09/0V/14 2p:49	1

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

Lab Sample ID: MB 480-201180/8
Matrix: Water
Analysis Batch: 201180

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iso3ro3yl ether	ND		10		ug/L			09/0V/14 2p:49	1
Iso3ro3ylbenzene	ND		1.0		ug/L			09/0V/14 2p:49	1
Methyl tert-butyl ether	ND		1.0		ug/L			09/0V/14 2p:49	1
Methylene Chloride	ND		1.0		ug/L			09/0V/14 2p:49	1
m-f ylene X 3-f ylene	ND		2.0		ug/L			09/0V/14 2p:49	1
Na3hthalene	ND		5.0		ug/L			09/0V/14 2p:49	1
n-* utylbenzene	ND		1.0		ug/L			09/0V/14 2p:49	1
N-Pro3ylbenzene	ND		1.0		ug/L			09/0V/14 2p:49	1
o-f ylene	ND		1.0		ug/L			09/0V/14 2p:49	1
sec-* utylbenzene	ND		1.0		ug/L			09/0V/14 2p:49	1
Styrene	ND		1.0		ug/L			09/0V/14 2p:49	1
Tert-amyl methyl ether	ND		5.0		ug/L			09/0V/14 2p:49	1
Tert-butyl ethyl ether	ND		5.0		ug/L			09/0V/14 2p:49	1
tert-* utylbenzene	ND		1.0		ug/L			09/0V/14 2p:49	1
Tetrachloroethene	ND		1.0		ug/L			09/0V/14 2p:49	1
Tetrahydroh4ran	ND		10		ug/L			09/0V/14 2p:49	1
Toluene	ND		1.0		ug/L			09/0V/14 2p:49	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/0V/14 2p:49	1
trans-1,p-Dichloro3ro3ene	ND		0.40		ug/L			09/0V/14 2p:49	1
Trichloroethene	ND		1.0		ug/L			09/0V/14 2p:49	1
Trichloroh4uoromethane	ND		1.0		ug/L			09/0V/14 2p:49	1
&inyl chloride	ND		1.0		ug/L			09/0V/14 2p:49	1
Dibromomethane	ND		1.0		ug/L			09/0V/14 2p:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*34*		*72 - 102*		*239279l5 406l53*	*1*
1:4-, Dcloroeh:t ne-d5 (Surr)	*80*		*72 - 102*		*239279l5 406l53*	*1*
5-aroB orh4uorof enbene (Surr)	*111*		*72 - 102*		*239279l5 406l53*	*1*

Lab Sample ID: LCS 480-201180/5
Matrix: Water
Analysis Batch: 201180

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	28.V		ug/L		115	V0 - 1p0
1,1,1-Trichloroethane	25.0	25.5		ug/L		102	V0 - 1p0
1,1,2,2-Tetrachloroethane	25.0	24.5		ug/L		98	V0 - 1p0
1,1,2-Trichloroethane	25.0	25.2		ug/L		101	V0 - 1p0
1,1-Dichloroethane	25.0	25.V		ug/L		10p	V0 - 1p0
1,1-Dichloroethene	25.0	25.6		ug/L		102	V0 - 1p0
1,1-Dichloro3ro3ene	25.0	25.8		ug/L		10p	V0 - 1p0
1,2,p-Trichlorobenzene	25.0	24.2		ug/L		9V	V0 - 1p0
1,2,p-Trichloro3ro3ane	25.0	24.V		ug/L		99	V0 - 1p0
1,2,4-Trichlorobenzene	25.0	24.5		ug/L		98	V0 - 1p0
1,2,4-Trimethylbenzene	25.0	25.0		ug/L		100	V0 - 1p0
1,2-Dibromo-p-Chloro3ro3ane	25.0	25.2		ug/L		101	V0 - 1p0
1,2-Dichlorobenzene	25.0	24.9		ug/L		100	V0 - 1p0
1,2-Dichloroethane	25.0	2p.4		ug/L		94	V0 - 1p0

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

Lab Sample ID: LCS 480-201180/5
Matrix: Water
Analysis Batch: 201180

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloro3ro3ane	25.0	26.p		ug/L		105	V0 - 1p0
1,p,5-Trimethylbenzene	25.0	24.8		ug/L		99	V0 - 1p0
1,p-Dichlorobenzene	25.0	25.V		ug/L		10p	V0 - 1p0
1,p-Dichloro3ro3ane	25.0	26.2		ug/L		105	V0 - 1p0
1,4-Dichlorobenzene	25.0	25.6		ug/L		102	V0 - 1p0
1,4-Dioxane	500	516		ug/L		10p	V0 - 1p0
2,2-Dichloro3ro3ane	25.0	2V.2		ug/L		109	V0 - 1p0
2-* utanone BME(K	125	1p6		ug/L		109	V0 - 1p0
2-Chlorotoluene	25.0	25.4		ug/L		102	V0 - 1p0
2-) exanone	125	1V2	7	ug/L		1pV	V0 - 1p0
4-Chlorotoluene	25.0	26.8		ug/L		10V	V0 - 1p0
4-Iso3ro3yltoluene	25.0	25.2		ug/L		101	V0 - 1p0
4-Methyl-2-3entanone BMI* (K	125	124		ug/L		99	V0 - 1p0
Acetone	125	111		ug/L		89	V0 - 1p0
* enzene	25.0	25.4		ug/L		102	V0 - 1p0
* romobenzene	25.0	25.5		ug/L		102	V0 - 1p0
* romoHorm	25.0	p1.0		ug/L		124	V0 - 1p0
* romomethane	25.0	2p.5		ug/L		94	V0 - 1p0
Carbon disulHide	25.0	25.p		ug/L		101	V0 - 1p0
Carbon tetrachloride	25.0	2V.0		ug/L		108	V0 - 1p0
Chlorobenzene	25.0	26.V		ug/L		10V	V0 - 1p0
Chlorobromomethane	25.0	25.8		ug/L		10p	V0 - 1p0
Chlorodibromomethane	25.0	29.2		ug/L		11V	V0 - 1p0
Chloroethane	25.0	24.0		ug/L		96	V0 - 1p0
ChloroHorm	25.0	24.4		ug/L		98	V0 - 1p0
Chloromethane	25.0	22.4		ug/L		89	V0 - 1p0
cis-1,2-Dichloroethene	25.0	25.0		ug/L		100	V0 - 1p0
cis-1,p-Dichloro3ro3ene	25.0	26.4		ug/L		106	V0 - 1p0
Dichlorobromomethane	25.0	25.V		ug/L		10p	V0 - 1p0
DichlorodiHluoromethane	25.0	19.6		ug/L		V9	V0 - 1p0
Ethyl ether	25.0	25.4		ug/L		102	V0 - 1p0
Ethylbenzene	25.0	25.4		ug/L		101	V0 - 1p0
Ethylene Dibromide	25.0	25.8		ug/L		10p	V0 - 1p0
) exachlorobutadiene	25.0	2V.9		ug/L		112	V0 - 1p0
Iso3ro3yl ether	25.0	21.5		ug/L		86	V0 - 1p0
Iso3ro3ylbenzene	25.0	24.1		ug/L		96	V0 - 1p0
Methyl tert-butyl ether	25.0	24.6		ug/L		98	V0 - 1p0
Methylene Chloride	25.0	26.0		ug/L		104	V0 - 1p0
m-f ylene X 3-f ylene	25.0	26.8		ug/L		10V	V0 - 1p0
Na3hthalene	25.0	22.4		ug/L		90	V0 - 1p0
n-* utylbenzene	25.0	24.V		ug/L		99	V0 - 1p0
N-Pro3ylbenzene	25.0	24.6		ug/L		98	V0 - 1p0
o-f ylene	25.0	25.8		ug/L		10p	V0 - 1p0
sec-* utylbenzene	25.0	24.6		ug/L		99	V0 - 1p0
Styrene	25.0	25.5		ug/L		102	V0 - 1p0
Tert-amyl methyl ether	25.0	24.V		ug/L		99	V0 - 1p0
Tert-butyl ethyl ether	25.0	22.5		ug/L		90	V0 - 1p0
tert-* utylbenzene	25.0	24.V		ug/L		99	V0 - 1p0

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

Lab Sample ID: LCS 480-201180/5
Matrix: Water
Analysis Batch: 201180

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	28.V		ug/L		115	V0 - 1p0		
Tetrahydroh.ran			50.0	51.2		ug/L		102	V0 - 1p0		
Toluene			25.0	26.1		ug/L		104	V0 - 1p0		
trans-1,2-Dichloroethene			25.0	25.9		ug/L		104	V0 - 1p0		
trans-1,p-Dichloro3ro3ene			25.0	26.9		ug/L		108	V0 - 1p0		
Trichloroethene			25.0	26.p		ug/L		105	V0 - 1p0		
TrichloroHluoromethane			25.0	24.5		ug/L		98	V0 - 1p0		
&inyl chloride			25.0	22.6		ug/L		91	V0 - 1p0		
Dibromomethane			25.0	24.6		ug/L		99	V0 - 1p0		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*35*		*72 - 102*
1:4-, Dcloroelct ne-d5 (Surr)	*88*		*72 - 102*
5-aroB orhuorof enbene (Surr)	*11z*		*72 - 102*

Lab Sample ID: LCSD 480-201180/6
Matrix: Water
Analysis Batch: 201180

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	2V.5		ug/L		110	V0 - 1p0	5	20
1,1,1-Trichloroethane			25.0	2p.6		ug/L		94	V0 - 1p0	8	20
1,1,2,2-Tetrachloroethane			25.0	24.V		ug/L		99	V0 - 1p0	1	20
1,1,2-Trichloroethane			25.0	25.0		ug/L		100	V0 - 1p0	1	20
1,1-Dichloroethane			25.0	2p.9		ug/L		96	V0 - 1p0	8	20
1,1-Dichloroethene			25.0	2p.p		ug/L		9p	V0 - 1p0	9	20
1,1-Dichloro3ro3ene			25.0	24.1		ug/L		96	V0 - 1p0	V	20
1,2,p-Trichlorobenzene			25.0	24.9		ug/L		100	V0 - 1p0	p	20
1,2,p-Trichloro3ro3ane			25.0	24.1		ug/L		96	V0 - 1p0	p	20
1,2,4-Trichlorobenzene			25.0	24.8		ug/L		99	V0 - 1p0	1	20
1,2,4-Trimethylbenzene			25.0	24.0		ug/L		96	V0 - 1p0	4	20
1,2-Dibromo-p-Chloro3ro3ane			25.0	25.0		ug/L		100	V0 - 1p0	1	20
1,2-Dichlorobenzene			25.0	24.8		ug/L		99	V0 - 1p0	0	20
1,2-Dichloroethane			25.0	22.V		ug/L		91	V0 - 1p0	p	20
1,2-Dichloro3ro3ane			25.0	24.V		ug/L		99	V0 - 1p0	6	20
1,p,5-Trimethylbenzene			25.0	2p.9		ug/L		95	V0 - 1p0	4	20
1,p-Dichlorobenzene			25.0	25.1		ug/L		100	V0 - 1p0	p	20
1,p-Dichloro3ro3ane			25.0	25.6		ug/L		102	V0 - 1p0	p	20
1,4-Dichlorobenzene			25.0	24.V		ug/L		99	V0 - 1p0	p	20
1,4-Dioxane			500	49p		ug/L		99	V0 - 1p0	4	20
2,2-Dichloro3ro3ane			25.0	25.1		ug/L		100	V0 - 1p0	8	20
2-* utanone BME(K			125	202	7	ug/L		162	V0 - 1p0	p9	20
2-Chlorotoluene			25.0	24.8		ug/L		99	V0 - 1p0	p	20
2-) exanone			125	1V1	7	ug/L		1pV	V0 - 1p0	0	20
4-Chlorotoluene			25.0	26.p		ug/L		105	V0 - 1p0	2	20
4-Iso3ro3yltoluene			25.0	24.1		ug/L		96	V0 - 1p0	4	20
4-Methyl-2-3entanone BMI* (K			125	12p		ug/L		98	V0 - 1p0	0	20
Acetone			125	109		ug/L		8V	V0 - 1p0	2	20

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

Lab Sample ID: LCSD 480-201180/6
Matrix: Water
Analysis Batch: 201180

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
* enzene	25.0	2p.V		ug/L		95	V0 - 1p0	V	20
* romobenzene	25.0	25.2		ug/L		101	V0 - 1p0	1	20
* romoh-orm	25.0	29.8		ug/L		119	V0 - 1p0	4	20
* romomethane	25.0	22.2		ug/L		89	V0 - 1p0	6	20
Carbon disulhtde	25.0	2p.5		ug/L		94	V0 - 1p0	V	20
Carbon tetrachloride	25.0	24.V		ug/L		99	V0 - 1p0	9	20
Chlorobenzene	25.0	25.2		ug/L		101	V0 - 1p0	6	20
Chlorobromomethane	25.0	25.4		ug/L		101	V0 - 1p0	1	20
Chlorodibromomethane	25.0	28.0		ug/L		112	V0 - 1p0	4	20
Chloroethane	25.0	21.9		ug/L		88	V0 - 1p0	9	20
Chloroh-orm	25.0	2p.0		ug/L		92	V0 - 1p0	6	20
Chloromethane	25.0	20.0		ug/L		80	V0 - 1p0	11	20
cis-1,2-Dichloroethene	25.0	24.1		ug/L		9V	V0 - 1p0	4	20
cis-1,p-Dichloro3ro3ene	25.0	25.1		ug/L		100	V0 - 1p0	5	20
Dichlorobromomethane	25.0	24.6		ug/L		98	V0 - 1p0	5	20
Dichlorodihluoromethane	25.0	1V.2	7	ug/L		69	V0 - 1p0	1p	20
Ethyl ether	25.0	24.8		ug/L		99	V0 - 1p0	2	20
Ethylbenzene	25.0	24.1		ug/L		96	V0 - 1p0	5	20
Ethylene Dibromide	25.0	25.4		ug/L		102	V0 - 1p0	2	20
) exachlorobutadiene	25.0	2V.p		ug/L		109	V0 - 1p0	2	20
Iso3ro3yl ether	25.0	20.V		ug/L		8p	V0 - 1p0	4	20
Iso3ro3ylbenzene	25.0	2p.2		ug/L		9p	V0 - 1p0	4	20
Methyl tert-butyl ether	25.0	24.4		ug/L		9V	V0 - 1p0	1	20
Methylene Chloride	25.0	24.V		ug/L		99	V0 - 1p0	5	20
m-f ylene X 3-f ylene	25.0	25.0		ug/L		100	V0 - 1p0	V	20
Na3hthalene	25.0	2p.9		ug/L		95	V0 - 1p0	6	20
n-* utylbenzene	25.0	2p.8		ug/L		95	V0 - 1p0	4	20
N-Pro3ylbenzene	25.0	2p.4		ug/L		94	V0 - 1p0	5	20
o-f ylene	25.0	24.V		ug/L		99	V0 - 1p0	4	20
sec-* utylbenzene	25.0	2p.V		ug/L		95	V0 - 1p0	4	20
Styrene	25.0	24.5		ug/L		98	V0 - 1p0	4	20
Tert-amyl methyl ether	25.0	24.p		ug/L		9V	V0 - 1p0	2	20
Tert-butyl ethyl ether	25.0	22.0		ug/L		88	V0 - 1p0	2	20
tert-* utylbenzene	25.0	2p.5		ug/L		94	V0 - 1p0	5	20
Tetrachloroethene	25.0	26.4		ug/L		106	V0 - 1p0	8	20
Tetrahydroh-ran	50.0	51.0		ug/L		102	V0 - 1p0	0	20
Toluene	25.0	24.8		ug/L		99	V0 - 1p0	5	20
trans-1,2-Dichloroethene	25.0	24.p		ug/L		9V	V0 - 1p0	6	20
trans-1,p-Dichloro3ro3ene	25.0	25.9		ug/L		104	V0 - 1p0	4	20
Trichloroethene	25.0	24.p		ug/L		9V	V0 - 1p0	8	20
Trichlorohluoromethane	25.0	22.p		ug/L		89	V0 - 1p0	9	20
&inyl chloride	25.0	20.5		ug/L		82	V0 - 1p0	10	20
Dibromomethane	25.0	24.1		ug/L		96	V0 - 1p0	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*35*		*72 - 102*
1:4-, Dcloroelct ne-d5 (Surr)	*88*		*72 - 102*
5-aroB omhuorof enbene (Surr)	*117*		*72 - 102*

GC/MS VOA

Analysis Batch: 200987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-66696-1	TB-001-20140904-01	Total/NA	Water	8260C	
480-66696-2	MW-217D-20140904-01	Total/NA	Water	8260C	
480-66696-3	MW-217M-20140904-01	Total/NA	Water	8260C	
480-66696-4	MW-217S-20140904-01	Total/NA	Water	8260C	
480-66696-5	MW-1024D-20140904-01	Total/NA	Water	8260C	
LCS 480-200987/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-200987/5	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 480-200987/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 201080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-66696-7	MW-1025D-20140904-01	Total/NA	Water	8260C	
480-66696-8	MW-1019B-20140904-01	Total/NA	Water	8260C	
480-66696-9	MW-1020-20140904-01	Total/NA	Water	8260C	
480-66696-11	MW-1017D-20140904-01	Total/NA	Water	8260C	
480-66696-12	MW-1015D-20140904-01	Total/NA	Water	8260C	
480-66696-13	MW-1033-20140904-01	Total/NA	Water	8260C	
480-66696-14	MW-1027-20140904-01	Total/NA	Water	8260C	
480-66696-15	MW-1028-20140904-01	Total/NA	Water	8260C	
480-66696-16	MW-1030-20140904-01	Total/NA	Water	8260C	
LCS 480-201080/5	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-201080/6	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 480-201080/8	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 201129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-66696-6	MW-1025M-20140904-01	Total/NA	Water	8260C	
480-66696-10	MW-1018-20140904-01	Total/NA	Water	8260C	
480-66696-11 - DL	MW-1017D-20140904-01	Total/NA	Water	8260C	
480-66696-17	MW-1031-20140904-01	Total/NA	Water	8260C	
480-66696-18	MW-1032-20140904-01	Total/NA	Water	8260C	
480-66696-19	MW-1022-20140904-01	Total/NA	Water	8260C	
480-66696-20	MW-1023-20140904-01	Total/NA	Water	8260C	
480-66696-21	MW-1013-20140904-01	Total/NA	Water	8260C	
480-66696-22	MW-1034-20140904-01	Total/NA	Water	8260C	
480-66696-23	DUP-004-20140904-01	Total/NA	Water	8260C	
480-66696-24	DUP-003-20140904-01	Total/NA	Water	8260C	
480-66696-25	MW-1001M-20140904-01	Total/NA	Water	8260C	
480-66696-26	MW-1001B-20140904-01	Total/NA	Water	8260C	
480-66696-27	MW-1003-20140904-01	Total/NA	Water	8260C	
480-66696-28	MW-1004-20140904-01	Total/NA	Water	8260C	
480-66696-29	MW-1005-20140904-01	Total/NA	Water	8260C	
480-66696-30	MW-1006-20140904-01	Total/NA	Water	8260C	
LCS 480-201129/5	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-201129/6	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 480-201129/8	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 201180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-66696-31	MW-1008-20140904-01	Total/NA	Water	8260C	
480-66696-32	MW-1010M-20140904-01	Total/NA	Water	8260C	

GC/MS VOA (Continued)

Analysis Batch: 201180 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-66696-33	MW-1010D-20140904-02	Total/NA	Water	8260C	
480-66696-34	MW-1011-20140904-01	Total/NA	Water	8260C	
480-66696-35	MW-1016D-20140904-01	Total/NA	Water	8260C	
480-66696-36	MW-1009-20140904-01	Total/NA	Water	8260C	
480-66696-37	DUP-001-20140904-01	Total/NA	Water	8260C	
480-66696-38	DUP-002-20140904-01	Total/NA	Water	8260C	
480-66696-39	SEN-3-20140904-01	Total/NA	Water	8260C	
480-66696-40	SEN-2M-20140904-01	Total/NA	Water	8260C	
480-66696-41	SEN-2D-20140904-01	Total/NA	Water	8260C	
LCS 480-201180/5	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-201180/6	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 480-201180/8	Method Blank	Total/NA	Water	8260C	

Client Sample ID: TB-001-20140904-01 — **Lab Sample ID: 480-66696-1**
Date Collected: 09/04/14 11:11 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	200987	09/05/14 16:41	GTG	TAL BUF

Client Sample ID: MW-217D-20140904-01 — **Lab Sample ID: 480-66696-2**
Date Collected: 09/04/14 11:35 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	200987	09/05/14 17:05	GTG	TAL BUF

Client Sample ID: MW-217M-20140904-01 — **Lab Sample ID: 480-66696-3**
Date Collected: 09/04/14 11:25 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	200987	09/05/14 17:28	GTG	TAL BUF

Client Sample ID: MW-217S-20140904-01 — **Lab Sample ID: 480-66696-4**
Date Collected: 09/04/14 11:15 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	200987	09/05/14 17:53	GTG	TAL BUF

Client Sample ID: MW-1024D-20140904-01 — **Lab Sample ID: 480-66696-5**
Date Collected: 09/04/14 09:50 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	200987	09/05/14 18:16	GTG	TAL BUF

Client Sample ID: MW-1025M-20140904-01 — **Lab Sample ID: 480-66696-6**
Date Collected: 09/04/14 09:20 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201129	09/06/14 14:35	GTG	TAL BUF

Client Sample ID: MW-1025D-20140904-01 — **Lab Sample ID: 480-66696-7**
Date Collected: 09/04/14 09:00 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201080	09/06/14 03:44	CXM	TAL BUF

Client Sample ID: MW-1019B-20140904-01 — **Lab Sample ID: 480-66696-8**
Date Collected: 09/04/14 08:50 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201080	09/06/14 04:10	CXM	TAL BUF

Client Sample ID: MW-1020-20140904-01 — **Lab Sample ID: 480-66696-9**
Date Collected: 09/04/14 08:20 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201080	09/06/14 04:36	CXM	TAL BUF

Client Sample ID: MW-1018-20140904-01 — **Lab Sample ID: 480-66696-10**
Date Collected: 09/04/14 10:45 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201129	09/06/14 15:00	GTG	TAL BUF

Client Sample ID: MW-1017D-20140904-01 — **Lab Sample ID: 480-66696-11**
Date Collected: 09/04/14 10:30 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201080	09/06/14 05:27	CXM	TAL BUF
Total/NA	Analysis	8260C	DL	2	201129	09/06/14 15:26	GTG	TAL BUF

Client Sample ID: MW-1015D-20140904-01 — **Lab Sample ID: 480-66696-12**
Date Collected: 09/04/14 10:10 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201080	09/06/14 05:52	CXM	TAL BUF

Client Sample ID: MW-1033-20140904-01 — **Lab Sample ID: 480-66696-13**
Date Collected: 09/04/14 08:50 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201080	09/06/14 06:18	CXM	TAL BUF

Client Sample ID: MW-1027-20140904-01 — **Lab Sample ID: 480-66696-14**
Date Collected: 09/04/14 09:25 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201080	09/06/14 06:43	CXM	TAL BUF

Client Sample ID: MW-1028-20140904-01 — **Lab Sample ID: 480-66696-15**
Date Collected: 09/04/14 09:10 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201080	09/06/14 07:08	CXM	TAL BUF

Client Sample ID: MW-1030-20140904-01 — **Lab Sample ID: 480-66696-16**
Date Collected: 09/04/14 09:50 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201080	09/06/14 07:34	CXM	TAL BUF

Client Sample ID: MW-1031-20140904-01 — **Lab Sample ID: 480-66696-17**
Date Collected: 09/04/14 10:10 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201129	09/06/14 15:52	GTG	TAL BUF

Client Sample ID: MW-1032-20140904-01 — **Lab Sample ID: 480-66696-18**
Date Collected: 09/04/14 10:25 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201129	09/06/14 16:17	GTG	TAL BUF

Client Sample ID: MW-1022-20140904-01 — **Lab Sample ID: 480-66696-19**
Date Collected: 09/04/14 11:00 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201129	09/06/14 16:43	GTG	TAL BUF

Client Sample ID: MW-1023-20140904-01 — **Lab Sample ID: 480-66696-20**
Date Collected: 09/04/14 10:40 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201129	09/06/14 17:09	GTG	TAL BUF

Client Sample ID: MW-1013-20140904-01 — **Lab Sample ID: 480-66696-21**
Date Collected: 09/04/14 10:50 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201129	09/06/14 17:35	GTG	TAL BUF

Client Sample ID: MW-1034-20140904-01 — **Lab Sample ID: 480-66696-22**
Date Collected: 09/04/14 11:30 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201129	09/06/14 18:00	GTG	TAL BUF

Client Sample ID: DUP-004-20140904-01 — **Lab Sample ID: 480-66696-23**
Date Collected: 09/04/14 11:11 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201129	09/06/14 18:26	GTG	TAL BUF

Client Sample ID: DUP-003-20140904-01 — **Lab Sample ID: 480-66696-24**
Date Collected: 09/04/14 11:11 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201129	09/06/14 18:51	GTG	TAL BUF

Client Sample ID: MW-1001M-20140904-01 — **Lab Sample ID: 480-66696-25**
Date Collected: 09/04/14 13:25 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201129	09/06/14 19:17	GTG	TAL BUF

Client Sample ID: MW-1001B-20140904-01 — **Lab Sample ID: 480-66696-26**
Date Collected: 09/04/14 09:00 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201129	09/06/14 19:42	GTG	TAL BUF

Client Sample ID: MW-1003-20140904-01 — **Lab Sample ID: 480-66696-27**
Date Collected: 09/04/14 08:50 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201129	09/06/14 20:08	GTG	TAL BUF

Client Sample ID: MW-1004-20140904-01 — **Lab Sample ID: 480-66696-28**
Date Collected: 09/04/14 08:45 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201129	09/06/14 20:33	GTG	TAL BUF

Client Sample ID: MW-1005-20140904-01 — **Lab Sample ID: 480-66696-29**
Date Collected: 09/04/14 09:45 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201129	09/06/14 20:58	GTG	TAL BUF

Client Sample ID: MW-1006-20140904-01 — **Lab Sample ID: 480-66696-30**
Date Collected: 09/04/14 09:25 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201129	09/06/14 21:24	GTG	TAL BUF

Client Sample ID: MW-1008-20140904-01 — **Lab Sample ID: 480-66696-31**
Date Collected: 09/04/14 09:35 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201180	09/08/14 00:51	CXM	TAL BUF

Client Sample ID: MW-1010M-20140904-01 — **Lab Sample ID: 480-66696-32**
Date Collected: 09/04/14 12:45 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201180	09/08/14 01:17	CXM	TAL BUF

Client Sample ID: MW-1010D-20140904-02 — **Lab Sample ID: 480-66696-33**
Date Collected: 09/04/14 12:45 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201180	09/08/14 01:42	CXM	TAL BUF

Client Sample ID: MW-1011-20140904-01 — **Lab Sample ID: 480-66696-34**
Date Collected: 09/04/14 10:00 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201180	09/08/14 02:08	CXM	TAL BUF

Client Sample ID: MW-1016D-20140904-01 — **Lab Sample ID: 480-66696-35**
Date Collected: 09/04/14 13:00 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201180	09/08/14 02:33	CXM	TAL BUF

Client Sample ID: MW-1009-20140904-01 — **Lab Sample ID: 480-66696-36**
Date Collected: 09/04/14 13:15 — **Matrix: Water**
Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201180	09/08/14 02:59	CXM	TAL BUF

Lab Chronicle

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-66696-1

Client Sample ID: DUP-001-20140904-01

Lab Sample ID: 480-66696-37

Date Collected: 09/04/14 11:11

Matrix: Water

Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201180	09/08/14 03:25	CXM	TAL BUF

Client Sample ID: DUP-002-20140904-01

Lab Sample ID: 480-66696-38

Date Collected: 09/04/14 12:12

Matrix: Water

Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201180	09/08/14 03:50	CXM	TAL BUF

Client Sample ID: SEN-3-20140904-01

Lab Sample ID: 480-66696-39

Date Collected: 09/04/14 12:50

Matrix: Water

Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201180	09/08/14 04:15	CXM	TAL BUF

Client Sample ID: SEN-2M-20140904-01

Lab Sample ID: 480-66696-40

Date Collected: 09/04/14 13:05

Matrix: Water

Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201180	09/08/14 04:40	CXM	TAL BUF

Client Sample ID: SEN-2D-20140904-01

Lab Sample ID: 480-66696-41

Date Collected: 09/04/14 13:00

Matrix: Water

Date Received: 09/05/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	201180	09/08/14 05:06	CXM	TAL BUF

Laboratory References:

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

Certification Summary

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-66696-1

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-15
California	State Program	9	1169CA	09-30-14 *
Connecticut	State Program	1	PH-0568	09-30-14 *
Florida	NELAP	4	E87672	06-30-15
Georgia	State Program	4	N/A	03-31-15
Illinois	NELAP	5	200003	09-30-14 *
Iowa	State Program	7	374	03-01-15
Kansas	NELAP	7	E-10187	01-31-15
Kentucky (DW)	State Program	4	90029	12-31-14
Kentucky (UST)	State Program	4	30	03-31-15
Louisiana	NELAP	6	02031	06-30-14 *
Maine	State Program	1	NY00044	12-04-14
Maryland	State Program	3	294	03-31-15
Massachusetts	State Program	1	M-NY044	06-30-15
Michigan	State Program	5	9937	03-31-15
Minnesota	NELAP	5	036-999-337	12-31-14
New Hampshire	NELAP	1	2337	11-17-14
New Jersey	NELAP	2	NY455	06-30-15
New York	NELAP	2	10026	03-31-15
North Dakota	State Program	8	R-176	03-31-14 *
Oklahoma	State Program	6	9421	08-31-15
Oregon	NELAP	10	NY200003	06-09-15
Pennsylvania	NELAP	3	68-00281	07-31-15
Rhode Island	State Program	1	LAO00328	12-30-14
Tennessee	State Program	4	TN02970	03-31-15
Texas	NELAP	6	T104704412-11-2	07-31-15
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-14 *
Washington	State Program	10	C784	02-10-15
West Virginia DEP	State Program	3	252	09-30-14 *
Wisconsin	State Program	5	998310390	08-31-15

* Certification renewal pending - certification considered valid.

Method Summary

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-66696-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds (GC/MS)	MA DEP	TAL BUF

Protocol References:

MA DEP = Massachusetts Department Of Environmental Protection

Laboratory References:

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

Sample Summary

Client: ERM-Northeast
Project/Site: IDS Wayland

TestAmerica Job ID: 480-66696-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-66696-1	TB-001-20140904-01	Water	09/04/14 11:11	09/05/14 00:30
480-66696-2	MW-217D-20140904-01	Water	09/04/14 11:35	09/05/14 00:30
480-66696-3	MW-217M-20140904-01	Water	09/04/14 11:25	09/05/14 00:30
480-66696-4	MW-217S-20140904-01	Water	09/04/14 11:15	09/05/14 00:30
480-66696-5	MW-1024D-20140904-01	Water	09/04/14 09:50	09/05/14 00:30
480-66696-6	MW-1025M-20140904-01	Water	09/04/14 09:20	09/05/14 00:30
480-66696-7	MW-1025D-20140904-01	Water	09/04/14 09:00	09/05/14 00:30
480-66696-8	MW-1019B-20140904-01	Water	09/04/14 08:50	09/05/14 00:30
480-66696-9	MW-1020-20140904-01	Water	09/04/14 08:20	09/05/14 00:30
480-66696-10	MW-1018-20140904-01	Water	09/04/14 10:45	09/05/14 00:30
480-66696-11	MW-1017D-20140904-01	Water	09/04/14 10:30	09/05/14 00:30
480-66696-12	MW-1015D-20140904-01	Water	09/04/14 10:10	09/05/14 00:30
480-66696-13	MW-1033-20140904-01	Water	09/04/14 08:50	09/05/14 00:30
480-66696-14	MW-1027-20140904-01	Water	09/04/14 09:25	09/05/14 00:30
480-66696-15	MW-1028-20140904-01	Water	09/04/14 09:10	09/05/14 00:30
480-66696-16	MW-1030-20140904-01	Water	09/04/14 09:50	09/05/14 00:30
480-66696-17	MW-1031-20140904-01	Water	09/04/14 10:10	09/05/14 00:30
480-66696-18	MW-1032-20140904-01	Water	09/04/14 10:25	09/05/14 00:30
480-66696-19	MW-1022-20140904-01	Water	09/04/14 11:00	09/05/14 00:30
480-66696-20	MW-1023-20140904-01	Water	09/04/14 10:40	09/05/14 00:30
480-66696-21	MW-1013-20140904-01	Water	09/04/14 10:50	09/05/14 00:30
480-66696-22	MW-1034-20140904-01	Water	09/04/14 11:30	09/05/14 00:30
480-66696-23	DUP-004-20140904-01	Water	09/04/14 11:11	09/05/14 00:30
480-66696-24	DUP-003-20140904-01	Water	09/04/14 11:11	09/05/14 00:30
480-66696-25	MW-1001M-20140904-01	Water	09/04/14 13:25	09/05/14 00:30
480-66696-26	MW-1001B-20140904-01	Water	09/04/14 09:00	09/05/14 00:30
480-66696-27	MW-1003-20140904-01	Water	09/04/14 08:50	09/05/14 00:30
480-66696-28	MW-1004-20140904-01	Water	09/04/14 08:45	09/05/14 00:30
480-66696-29	MW-1005-20140904-01	Water	09/04/14 09:45	09/05/14 00:30
480-66696-30	MW-1006-20140904-01	Water	09/04/14 09:25	09/05/14 00:30
480-66696-31	MW-1008-20140904-01	Water	09/04/14 09:35	09/05/14 00:30
480-66696-32	MW-1010M-20140904-01	Water	09/04/14 12:45	09/05/14 00:30
480-66696-33	MW-1010D-20140904-02	Water	09/04/14 12:45	09/05/14 00:30
480-66696-34	MW-1011-20140904-01	Water	09/04/14 10:00	09/05/14 00:30
480-66696-35	MW-1016D-20140904-01	Water	09/04/14 13:00	09/05/14 00:30
480-66696-36	MW-1009-20140904-01	Water	09/04/14 13:15	09/05/14 00:30
480-66696-37	DUP-001-20140904-01	Water	09/04/14 11:11	09/05/14 00:30
480-66696-38	DUP-002-20140904-01	Water	09/04/14 12:12	09/05/14 00:30
480-66696-39	SEN-3-20140904-01	Water	09/04/14 12:50	09/05/14 00:30
480-66696-40	SEN-2M-20140904-01	Water	09/04/14 13:05	09/05/14 00:30
480-66696-41	SEN-2D-20140904-01	Water	09/04/14 13:00	09/05/14 00:30

Login Sample Receipt Checklist

Client: ERM-Northeast

Job Number: 480-66696-1

Login Number: 66696

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris M

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

TestAmerica Westfield
53 Southampton Road

Westfield, MA 01085
phone 413.572.4000 fax

Chain of Custody Record

1 of 4

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Lyndsey Colburn	Site Contact:	Date:	COC No:
Your Company Name here ERM	Tel/Fax: 617 646 7800	Lab Contact:	Carrier:	1 of 4 COCs
Address ONE Beacon	Analysis Turnaround Time			Sampler:
City/State/Zip Boston MA	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone 617 646 7800	TAT if different from Below			Walk-in Client:
FAX	☐ 2 weeks			Lab Sampling:
Project Name: IDS Wayland	☐ 1 week			
Site:	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	8260B (VOCs)	Sample Specific Notes:
TB-001-20140904-01	9/4/14	1111	G	GW	2	N	N	X	
MW-217D-20140904-01	9/4/14	1135	G	GW	3	N	N	X	
MW-217M-20140904-01	9/4/14	1125	G	GW	3	N	N	X	
MW-2175-20140904-01	9/4/14	1115	G	GW	3	N	N	X	
MW-1024D-20140904-01	9/4/14	0950	G	GW	3	N	N	X	
MW-1025M-20140904-01	9/4/14	0920	G	GW	3	N	N	X	
MW-1025D-20140904-01	9/4/14	0900	G	GW	3	N	N	X	
MW-1019B-20140904-01	9/4/14	0850	G	GW	3	N	N	X	
MW-1020-20140904-01	9/4/14	0820	G	GW	3	N	N	X	
MW-1018-20140904-01	9/4/14	1045	G	GW	3	N	N	X	
MW-1017D-20140904-01	9/4/14	1030	G	GW	3	N	N	X	
MW-1015D-20140904-01	9/4/14	1010	G	GW	3	N	N	X	

Sml

480-66696 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

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 & Comments:
Contact Larry Mastera at ~~617 ONE~~ 508-542-3685 if there are any questions.

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 3.0 Corr'd:_____ Therm ID No.: #1

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	ERM	9/4/14 1430		TAL	9/4/14 1430
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TAL	9/4/14 1600			
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
				TA	9/5/14 0630

Form No. CA-C-WI-002, Rev. 4.3, dated 12/05/2013

TestAmerica Westfield
53 Southampton Road

Westfield, MA 01085
phone 413.572.4000 fax

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Lyndsey Wilbur	Site Contact:	Date:	COC No:
Your Company Name here: ERM	Tel/Fax:	Lab Contact:	Carrier:	2 of 4 COCs
Address: ONE Beacon	Analysis Turnaround Time			Sampler:
City/State/Zip: Boston MA 02108	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 1617 646 7800	TAT if different from Below ____			Walk-in Client:
FAX:	☐ 2 weeks			Lab Sampling:
Project Name: IDS Wayland	☐ 1 week			Job / SDG No.:
Site:	☐ 2 days			
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	8260B (VOCs)	Sample Specific Notes:
MW-1033-20140904-01	9/4/14	850	G	GW	3	N	N	X	
MW-1027-20140904-01	9/4/14	925	G	GW	3	N	N	X	
MW-1028-20140904-01	9/4/14	910	G	GW	3	N	N	X	
MW-1030-20140904-01	9/4/14	950	G	GW	3	N	N	X	
MW-1031-20140904-01	9/4/14	1010	G	GW	3	N	N	X	
MW-1032-20140904-01	9/4/14	1025	G	GW	3	N	N	X	
MW-1022-20140904-01	9/4/14	1100	G	GW	3	N	N	X	
MW-1023-20140904-01	9/4/14	1040	G	GW	3	N	N	X	
MW-1013-20140904-01	9/4/14	1050	G	GW	3	N	N	X	
MW-1034-20140904-01	9/4/14	1130	G	GW	3	N	N	X	
DUP-004-20140904-01	9/4/14	1111	G	GW	3	N	N	X	
DUP-003-20140904-01	9/4/14	1111	G	GW	3	N	N	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

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 & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: 3.0 Corr'd: ____	Therm ID No.: IR 1
Relinquished by:	Company: ERM	Date/Time: 9/4/14 1430	Received by:	Company: TAL	Date/Time: 9/4/14 1430
Relinquished by:	Company: TAL	Date/Time: 9/4/14 1600	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TA	Date/Time: 9/5/14 0030

Form No. CA-C-WI-002, Rev. 4.3, dated 12/05/2013

TestAmerica Westfield
53 Southampton Road
Westfield, MA 01085
phone 413.572.4000 fax

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: LYNNSEY COLBOURN	Site Contact:	Date:	COC No: 3 of 4 COCs
Your Company Name here: ERM	Tel/Fax:	Lab Contact:	Carrier:	Sampler:
Address	Analysis Turnaround Time			For Lab Use Only:
City/State/Zip	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
Phone	TAT if different from Below			Lab Sampling:
FAX	☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day			Job / SDG No.:
Project Name: 103 WAYLAND	ERM contract STND.			
Site:				
PO#				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	8260	Sample Specific Notes:
MW-1001M-20140904-01	09/04/14	1330	G	GW	3				
MW-1001B-20140904-01		0900							
MW-1003-20140904-01		0850							
MW-1004-20140904-01		0845							
MW-1005-20140904-01		0945							
MW-1006-20140904-01		0925							
MW-1008-20140904-01		0935							
MW-1010M-20140904-01		1245							
MW-1010D-20140904-02		1245							
MW-1011-20140904-01		1000							
MW-1016D-20140904-01		1300							
MW-1009-20140904-01		1315							

4 SM

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

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 & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 3.0 Corr'd: _____ | Therm ID No.: 141

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	ERM	9/4/14 1430		TAL	9/4/14 1430
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TAL	9/4/14 1602			
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
				TA	9/5/14 0030

Form No. CA-C-WI-002, Rev. 4.3, dated 12/05/2013

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

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information:	Sample Collector's Name (Please Print Neatly):	Lab PM:	Carrier Tracking No(s):	COC No: 30615
Client Contact: [illegible]	Sample Collector's Phone:	Lab PM's E-Mail:		Page: 4 of 4
Company: ERM				Job #:
Address:	PWS ID Number:			
City:	Turnaround Time (TAT) Requested (business days):			
State and Zip:				
Client's Phone:	Quote #:			
Client's Contact Email:	PO #:			
Client's Project Name/Number: IDS WAYLAND	WO #:			
Sample Collection Site Name & Location:	SSOW#:			

Analyses Requested

Preservation Codes:
A - Hydrochloric Acid; B - Sodium Hydroxide; C - Zinc Acetate; D - Nitric Acid; E - Sodium Bisulfite; F - Methanol; H - Ascorbic Acid; J - Deionized Water; M - Hexane; N - No Preservative; P - Sodium Sulfate; Q - Sodium Sulfite; R - Sodium Thiosulfate; S - Sulfuric Acid; Z - other (specify): _____

Regulatory Programs:
MCP ☐ GW1/S1 ☐
RCP ☐ CT RSR ☐
DEP Form ☐ EDD Required ☐
eDEP Filing ☐ NPDES ☐

SUBCONTRACT POLICY: Unless you provide instructions to the contrary, or specify which sub-contract labs are or are not to be used, you agree in advance to permit TestAmerica to use certified, subcontract labs, without any additional notification made by us, as necessary to fulfill your work order.

Sample Identification	Sample Collection Date (MM/DD/YY)	Sample Collection Time (24 Hr Clock)	Sample Type: C=Comp G=Grab	Matrix Type **	Was the Sample Field Filtered? (Y/N)	Perform MS/MSD on This Sample? (Y/N)	VOC 8260	Total Number of Containers (per line)
			Preservation Codes =>					
DUP-001-20140904-01	09/04/14	1111	G	GW			X	3
DUP-002-20140904-01		1212						
SEN-3-20140904-01		1250						
SEN-2M-20140904-01		1305						
SEN-2D-20140904-01		1300						

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Possible Hazard Identification (please check off each that may apply):
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Special Instructions & Notes:

** **Matrix Types:** A=Air S=Solid/Soil W=Water O=Oil X=Waste (non-water) Z=Other: _____

► ***NOTE!! ALL SAMPLES MUST BE TRANSPORTED ON ICE !!*** ◄

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	9/4/14 1420	ERM	[signature]	9/4/14 1430	TAL
[signature]	9/4/14 1600	TAL			
			[signature] TA	9/5/14 0030	TA

Custody Seals Intact: ☐ Yes ☐ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 3.0 #1

9/12/2014

WI-QA-010-rev 7