Roxie Trachtenberg

From: Julia Redden
Sent: Wednesday, October 14, 2020 9:05 PM
To: tims@russellsgc.com
Cc: Julia Redden; Katie Wolf
Subject: Wayland Property Owner Data Transmittal - September 2020
Attachments: ERM Lab Report_September 2020.pdf; Russell's Garden Center BWSC-123.pdf

Hi Tim,

ERM collected groundwater samples from monitoring wells located on Russell's Garden Center property at the former Raytheon Facility located at 430 Boston Post Road in Wayland, MA in September 2020. The analytical results and BWSC-123 form are attached to this email.

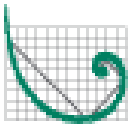
These results are being sent via email for Russell's Garden Center records.

Please let me know if you have any questions or require any additional information.

Thanks,

Paulina Staley
Consultant I, Geologist

ERM
One Beacon Street, 5th Floor | Boston, MA 02108
T +1 617 646 7897
E paulina.staley@erm.com | **W** www.erm.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

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: Russell's Garden Center
2. Street Address: 397 Boston Post 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: 430 Boston Post Road

City/Town: Wayland Zip Code: 01778

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

☐ Immediate Response Action
☐ Release Abatement Measure
☐ Utility-related Abatement Measure
☐ Phase I Initial Site Investigation
☐ Phase II Comprehensive Site Assessment
☐ Phase III Feasibility Evaluation
☐ Phase IV Remedy Implementation Plan
☑ Phase V/Remedy Operation Status
☐ Post-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 _____ (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 well

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

Contact Name: Jonathan Hone, Raytheon Company
Street Address: 366 Lowell Street
City/Town: Andover Zip Code: 01810
Telephone: (978) 474-5753 Email: Jonathan_R_Hone@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.

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 480-174893-1
Client Project/Site: IDS Wayland

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

Attn: Clementine Dulieu

Authorized for release by:
9/14/2020 8:51:57 AM
Wyatt Watson, Project Management Assistant I
Wyatt.Watson@Eurofinset.com

Designee for

Becky Mason, Project Manager II
(413)572-4000
Becky.Mason@Eurofinset.com

Table of Contents

Definitions/Glossary

Client: ERM-Northeast
Project/Site: IDS Wayland

Job ID: 480-174893-1

Qualifiers

GC/MS VOA

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-174893-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-174893-1

Receipt
The samples were received on 9/10/2020 8:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.4° C.

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

Method 8260C: The laboratory control sample (LCS) and / or the laboratory control sample duplicate (LCSD) for batch 480-548859 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. The following samples were affected : MW-217M-20200909-01 (480-174893-1) and TB-002-20200909-01 (480-174893-2).

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 #: **480-174893-1**

Project Location: **IDS Wayland** RTN:

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

480-174893 (1,2)

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 ☐	9014 Total Cyanide/PAC CAM VI A ☐	6860 Perchlorate CAM VIII B ☐	

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

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding time.	■ 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

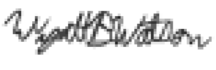
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☐ Yes ■ No[1]

***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: Project Manager Assistant

Printed Name: Wyatt Watson Date: 9/14/20 8:44

Detection Summary

Client: ERM-Northeast
Project/Site: IDS Wayland

Job ID: 480-174893-1

Client Sample ID: MW-217M-20200909-01 — Lab Sample ID: 480-174893-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.3		1.0		ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	43		1.0		ug/L	1		8260C	Total/NA
Tert-amyl methyl ether	19		5.0		ug/L	1		8260C	Total/NA
Trichloroethene	4.7		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: TB-002-20200909-01 — Lab Sample ID: 480-174893-2

No Detections.

This Detection Summary does not include radiochemical test results.

Client: ERM-Northeast
Project/Site: IDS Wayland

Job ID: 480-174893-1

Client Sample ID: MW-217M-20200909-01
Date Collected: 09/09/20 10:30
Date Received: 09/10/20 08:00

Lab Sample ID: 480-174893-1
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			09/10/20 13:40	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/10/20 13:40	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/10/20 13:40	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/10/20 13:40	1
1,1-Dichloroethane	**1.3**		1.0		ug/L			09/10/20 13:40	1
1,1-Dichloroethene	ND		1.0		ug/L			09/10/20 13:40	1
1,1-Dichloropropene	ND		1.0		ug/L			09/10/20 13:40	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/10/20 13:40	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/10/20 13:40	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/10/20 13:40	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			09/10/20 13:40	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			09/10/20 13:40	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/10/20 13:40	1
1,2-Dichloroethane	ND		1.0		ug/L			09/10/20 13:40	1
1,2-Dichloropropane	ND		1.0		ug/L			09/10/20 13:40	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			09/10/20 13:40	1
1,3-Dichlorobenzene	ND		1.0		ug/L			09/10/20 13:40	1
1,3-Dichloropropane	ND		1.0		ug/L			09/10/20 13:40	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/10/20 13:40	1
1,4-Dioxane	ND		50		ug/L			09/10/20 13:40	1
2,2-Dichloropropane	ND		1.0		ug/L			09/10/20 13:40	1
2-Butanone (MEK)	ND	*	10		ug/L			09/10/20 13:40	1
2-Chlorotoluene	ND		1.0		ug/L			09/10/20 13:40	1
2-Hexanone	ND		10		ug/L			09/10/20 13:40	1
4-Chlorotoluene	ND		1.0		ug/L			09/10/20 13:40	1
4-Isopropyltoluene	ND		1.0		ug/L			09/10/20 13:40	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/10/20 13:40	1
Acetone	ND		50		ug/L			09/10/20 13:40	1
Benzene	ND		1.0		ug/L			09/10/20 13:40	1
Bromobenzene	ND		1.0		ug/L			09/10/20 13:40	1
Bromoform	ND		1.0		ug/L			09/10/20 13:40	1
Bromomethane	ND		2.0		ug/L			09/10/20 13:40	1
Carbon disulfide	ND		10		ug/L			09/10/20 13:40	1
Carbon tetrachloride	ND		1.0		ug/L			09/10/20 13:40	1
Chlorobenzene	ND		1.0		ug/L			09/10/20 13:40	1
Chlorobromomethane	ND		1.0		ug/L			09/10/20 13:40	1
Chlorodibromomethane	ND		0.50		ug/L			09/10/20 13:40	1
Chloroethane	ND		2.0		ug/L			09/10/20 13:40	1
Chloroform	ND		1.0		ug/L			09/10/20 13:40	1
Chloromethane	ND		2.0		ug/L			09/10/20 13:40	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/10/20 13:40	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			09/10/20 13:40	1
Dichlorobromomethane	ND		0.50		ug/L			09/10/20 13:40	1
Dichlorodifluoromethane	ND		1.0		ug/L			09/10/20 13:40	1
Ethyl ether	ND		1.0		ug/L			09/10/20 13:40	1
Ethylbenzene	ND		1.0		ug/L			09/10/20 13:40	1
Ethylene Dibromide	ND		1.0		ug/L			09/10/20 13:40	1
Hexachlorobutadiene	ND		0.40		ug/L			09/10/20 13:40	1
Isopropyl ether	ND		10		ug/L			09/10/20 13:40	1

Client Sample ID: MW-217M-20200909-01

Lab Sample ID: 480-174893-1

Date Collected: 09/09/20 10:30

Matrix: Water

Date Received: 09/10/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0		ug/L			09/10/20 13:40	1
Methyl tert-butyl ether	**43**		1.0		ug/L			09/10/20 13:40	1
Methylene Chloride	ND		1.0		ug/L			09/10/20 13:40	1
m-Xylene & p-Xylene	ND		2.0		ug/L			09/10/20 13:40	1
Naphthalene	ND		5.0		ug/L			09/10/20 13:40	1
n-Butylbenzene	ND		1.0		ug/L			09/10/20 13:40	1
N-Propylbenzene	ND		1.0		ug/L			09/10/20 13:40	1
o-Xylene	ND		1.0		ug/L			09/10/20 13:40	1
sec-Butylbenzene	ND		1.0		ug/L			09/10/20 13:40	1
Styrene	ND		1.0		ug/L			09/10/20 13:40	1
Tert-amyl methyl ether	**19**		5.0		ug/L			09/10/20 13:40	1
Tert-butyl ethyl ether	ND		5.0		ug/L			09/10/20 13:40	1
tert-Butylbenzene	ND		1.0		ug/L			09/10/20 13:40	1
Tetrachloroethene	ND		1.0		ug/L			09/10/20 13:40	1
Tetrahydrofuran	ND		10		ug/L			09/10/20 13:40	1
Toluene	ND		1.0		ug/L			09/10/20 13:40	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/10/20 13:40	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			09/10/20 13:40	1
Trichloroethene	**4.7**		1.0		ug/L			09/10/20 13:40	1
Trichlorofluoromethane	ND		1.0		ug/L			09/10/20 13:40	1
Vinyl chloride	ND		1.0		ug/L			09/10/20 13:40	1
Dibromomethane	ND		1.0		ug/L			09/10/20 13:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*09/10/20 13:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*		*09/10/20 13:40*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*09/10/20 13:40*	*1*

Client Sample ID: TB-002-20200909-01

Lab Sample ID: 480-174893-2

Date Collected: 09/09/20 00:00

Matrix: Water

Date Received: 09/10/20 08:00

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			09/10/20 14:04	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/10/20 14:04	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/10/20 14:04	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/10/20 14:04	1
1,1-Dichloroethane	ND		1.0		ug/L			09/10/20 14:04	1
1,1-Dichloroethene	ND		1.0		ug/L			09/10/20 14:04	1
1,1-Dichloropropene	ND		1.0		ug/L			09/10/20 14:04	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/10/20 14:04	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/10/20 14:04	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/10/20 14:04	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			09/10/20 14:04	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			09/10/20 14:04	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/10/20 14:04	1
1,2-Dichloroethane	ND		1.0		ug/L			09/10/20 14:04	1
1,2-Dichloropropane	ND		1.0		ug/L			09/10/20 14:04	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			09/10/20 14:04	1

Client: ERM-Northeast
Project/Site: IDS Wayland

Job ID: 480-174893-1

Client Sample ID: TB-002-20200909-01
Date Collected: 09/09/20 00:00
Date Received: 09/10/20 08:00

Lab Sample ID: 480-174893-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		1.0		ug/L			09/10/20 14:04	1
1,3-Dichloropropane	ND		1.0		ug/L			09/10/20 14:04	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/10/20 14:04	1
1,4-Dioxane	ND		50		ug/L			09/10/20 14:04	1
2,2-Dichloropropane	ND		1.0		ug/L			09/10/20 14:04	1
2-Butanone (MEK)	ND	*	10		ug/L			09/10/20 14:04	1
2-Chlorotoluene	ND		1.0		ug/L			09/10/20 14:04	1
2-Hexanone	ND		10		ug/L			09/10/20 14:04	1
4-Chlorotoluene	ND		1.0		ug/L			09/10/20 14:04	1
4-Isopropyltoluene	ND		1.0		ug/L			09/10/20 14:04	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/10/20 14:04	1
Acetone	ND		50		ug/L			09/10/20 14:04	1
Benzene	ND		1.0		ug/L			09/10/20 14:04	1
Bromobenzene	ND		1.0		ug/L			09/10/20 14:04	1
Bromoform	ND		1.0		ug/L			09/10/20 14:04	1
Bromomethane	ND		2.0		ug/L			09/10/20 14:04	1
Carbon disulfide	ND		10		ug/L			09/10/20 14:04	1
Carbon tetrachloride	ND		1.0		ug/L			09/10/20 14:04	1
Chlorobenzene	ND		1.0		ug/L			09/10/20 14:04	1
Chlorobromomethane	ND		1.0		ug/L			09/10/20 14:04	1
Chlorodibromomethane	ND		0.50		ug/L			09/10/20 14:04	1
Chloroethane	ND		2.0		ug/L			09/10/20 14:04	1
Chloroform	ND		1.0		ug/L			09/10/20 14:04	1
Chloromethane	ND		2.0		ug/L			09/10/20 14:04	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/10/20 14:04	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			09/10/20 14:04	1
Dichlorobromomethane	ND		0.50		ug/L			09/10/20 14:04	1
Dichlorodifluoromethane	ND		1.0		ug/L			09/10/20 14:04	1
Ethyl ether	ND		1.0		ug/L			09/10/20 14:04	1
Ethylbenzene	ND		1.0		ug/L			09/10/20 14:04	1
Ethylene Dibromide	ND		1.0		ug/L			09/10/20 14:04	1
Hexachlorobutadiene	ND		0.40		ug/L			09/10/20 14:04	1
Isopropyl ether	ND		10		ug/L			09/10/20 14:04	1
Isopropylbenzene	ND		1.0		ug/L			09/10/20 14:04	1
Methyl tert-butyl ether	ND		1.0		ug/L			09/10/20 14:04	1
Methylene Chloride	ND		1.0		ug/L			09/10/20 14:04	1
m-Xylene & p-Xylene	ND		2.0		ug/L			09/10/20 14:04	1
Naphthalene	ND		5.0		ug/L			09/10/20 14:04	1
n-Butylbenzene	ND		1.0		ug/L			09/10/20 14:04	1
N-Propylbenzene	ND		1.0		ug/L			09/10/20 14:04	1
o-Xylene	ND		1.0		ug/L			09/10/20 14:04	1
sec-Butylbenzene	ND		1.0		ug/L			09/10/20 14:04	1
Styrene	ND		1.0		ug/L			09/10/20 14:04	1
Tert-amyl methyl ether	ND		5.0		ug/L			09/10/20 14:04	1
Tert-butyl ethyl ether	ND		5.0		ug/L			09/10/20 14:04	1
tert-Butylbenzene	ND		1.0		ug/L			09/10/20 14:04	1
Tetrachloroethene	ND		1.0		ug/L			09/10/20 14:04	1
Tetrahydrofuran	ND		10		ug/L			09/10/20 14:04	1
Toluene	ND		1.0		ug/L			09/10/20 14:04	1

Client: ERM-Northeast
Project/Site: IDS Wayland

Job ID: 480-174893-1

Client Sample ID: TB-002-20200909-01
Date Collected: 09/09/20 00:00
Date Received: 09/10/20 08:00

Lab Sample ID: 480-174893-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/10/20 14:04	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			09/10/20 14:04	1
Trichloroethene	ND		1.0		ug/L			09/10/20 14:04	1
Trichlorofluoromethane	ND		1.0		ug/L			09/10/20 14:04	1
Vinyl chloride	ND		1.0		ug/L			09/10/20 14:04	1
Dibromomethane	ND		1.0		ug/L			09/10/20 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*70 - 130*		*09/10/20 14:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*09/10/20 14:04*	*1*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*09/10/20 14:04*	*1*

Surrogate Summary

Client: ERM-Northeast
Project/Site: IDS Wayland

Job ID: 480-174893-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		TOL	DCA	BFB
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
480-174893-1	MW-217M-20200909-01	101	102	101
480-174893-2	TB-002-20200909-01	94	99	92
LCS 480-548859/5	Lab Control Sample	95	97	96
LCSD 480-548859/6	Lab Control Sample Dup	102	99	109
MB 480-548859/8	Method Blank	101	100	103

Surrogate Legend

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

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

Lab Sample ID: MB 480-548859/8
Matrix: Water
Analysis Batch: 548859

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			09/10/20 11:29	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/10/20 11:29	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/10/20 11:29	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/10/20 11:29	1
1,1-Dichloroethane	ND		1.0		ug/L			09/10/20 11:29	1
1,1-Dichloroethene	ND		1.0		ug/L			09/10/20 11:29	1
1,1-Dichloropropene	ND		1.0		ug/L			09/10/20 11:29	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/10/20 11:29	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/10/20 11:29	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/10/20 11:29	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			09/10/20 11:29	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			09/10/20 11:29	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/10/20 11:29	1
1,2-Dichloroethane	ND		1.0		ug/L			09/10/20 11:29	1
1,2-Dichloropropane	ND		1.0		ug/L			09/10/20 11:29	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			09/10/20 11:29	1
1,3-Dichlorobenzene	ND		1.0		ug/L			09/10/20 11:29	1
1,3-Dichloropropane	ND		1.0		ug/L			09/10/20 11:29	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/10/20 11:29	1
1,4-Dioxane	ND		50		ug/L			09/10/20 11:29	1
2,2-Dichloropropane	ND		1.0		ug/L			09/10/20 11:29	1
2-Butanone (MEK)	ND		10		ug/L			09/10/20 11:29	1
2-Chlorotoluene	ND		1.0		ug/L			09/10/20 11:29	1
2-Hexanone	ND		10		ug/L			09/10/20 11:29	1
4-Chlorotoluene	ND		1.0		ug/L			09/10/20 11:29	1
4-Isopropyltoluene	ND		1.0		ug/L			09/10/20 11:29	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/10/20 11:29	1
Acetone	ND		50		ug/L			09/10/20 11:29	1
Benzene	ND		1.0		ug/L			09/10/20 11:29	1
Bromobenzene	ND		1.0		ug/L			09/10/20 11:29	1
Bromoform	ND		1.0		ug/L			09/10/20 11:29	1
Bromomethane	ND		2.0		ug/L			09/10/20 11:29	1
Carbon disulfide	ND		10		ug/L			09/10/20 11:29	1
Carbon tetrachloride	ND		1.0		ug/L			09/10/20 11:29	1
Chlorobenzene	ND		1.0		ug/L			09/10/20 11:29	1
Chlorobromomethane	ND		1.0		ug/L			09/10/20 11:29	1
Chlorodibromomethane	ND		0.50		ug/L			09/10/20 11:29	1
Chloroethane	ND		2.0		ug/L			09/10/20 11:29	1
Chloroform	ND		1.0		ug/L			09/10/20 11:29	1
Chloromethane	ND		2.0		ug/L			09/10/20 11:29	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/10/20 11:29	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			09/10/20 11:29	1
Dichlorobromomethane	ND		0.50		ug/L			09/10/20 11:29	1
Dichlorodifluoromethane	ND		1.0		ug/L			09/10/20 11:29	1
Ethyl ether	ND		1.0		ug/L			09/10/20 11:29	1
Ethylbenzene	ND		1.0		ug/L			09/10/20 11:29	1
Ethylene Dibromide	ND		1.0		ug/L			09/10/20 11:29	1
Hexachlorobutadiene	ND		0.40		ug/L			09/10/20 11:29	1

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

Lab Sample ID: MB 480-548859/8
Matrix: Water
Analysis Batch: 548859

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropyl ether	ND		10		ug/L			09/10/20 11:29	1
Isopropylbenzene	ND		1.0		ug/L			09/10/20 11:29	1
Methyl tert-butyl ether	ND		1.0		ug/L			09/10/20 11:29	1
Methylene Chloride	ND		1.0		ug/L			09/10/20 11:29	1
m-Xylene & p-Xylene	ND		2.0		ug/L			09/10/20 11:29	1
Naphthalene	ND		5.0		ug/L			09/10/20 11:29	1
n-Butylbenzene	ND		1.0		ug/L			09/10/20 11:29	1
N-Propylbenzene	ND		1.0		ug/L			09/10/20 11:29	1
o-Xylene	ND		1.0		ug/L			09/10/20 11:29	1
sec-Butylbenzene	ND		1.0		ug/L			09/10/20 11:29	1
Styrene	ND		1.0		ug/L			09/10/20 11:29	1
Tert-amyl methyl ether	ND		5.0		ug/L			09/10/20 11:29	1
Tert-butyl ethyl ether	ND		5.0		ug/L			09/10/20 11:29	1
tert-Butylbenzene	ND		1.0		ug/L			09/10/20 11:29	1
Tetrachloroethene	ND		1.0		ug/L			09/10/20 11:29	1
Tetrahydrofuran	ND		10		ug/L			09/10/20 11:29	1
Toluene	ND		1.0		ug/L			09/10/20 11:29	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/10/20 11:29	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			09/10/20 11:29	1
Trichloroethene	ND		1.0		ug/L			09/10/20 11:29	1
Trichlorofluoromethane	ND		1.0		ug/L			09/10/20 11:29	1
Vinyl chloride	ND		1.0		ug/L			09/10/20 11:29	1
Dibromomethane	ND		1.0		ug/L			09/10/20 11:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*09/10/20 11:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*09/10/20 11:29*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*09/10/20 11:29*	*1*

Lab Sample ID: LCS 480-548859/5
Matrix: Water
Analysis Batch: 548859

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	24.9		ug/L		100	70 - 130
1,1,1-Trichloroethane	25.0	24.3		ug/L		97	70 - 130
1,1,2,2-Tetrachloroethane	25.0	22.4		ug/L		90	70 - 130
1,1,2-Trichloroethane	25.0	24.0		ug/L		96	70 - 130
1,1-Dichloroethane	25.0	24.6		ug/L		98	70 - 130
1,1-Dichloroethene	25.0	24.2		ug/L		97	70 - 130
1,1-Dichloropropene	25.0	24.3		ug/L		97	70 - 130
1,2,3-Trichlorobenzene	25.0	24.0		ug/L		96	70 - 130
1,2,3-Trichloropropane	25.0	23.1		ug/L		92	70 - 130
1,2,4-Trichlorobenzene	25.0	25.0		ug/L		100	70 - 130
1,2,4-Trimethylbenzene	25.0	25.8		ug/L		103	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	23.5		ug/L		94	70 - 130
1,2-Dichlorobenzene	25.0	23.5		ug/L		94	70 - 130
1,2-Dichloroethane	25.0	22.9		ug/L		92	70 - 130

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

Lab Sample ID: LCS 480-548859/5
Matrix: Water
Analysis Batch: 548859

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloropropane	25.0	24.5		ug/L		98	70 - 130
1,3,5-Trimethylbenzene	25.0	25.3		ug/L		101	70 - 130
1,3-Dichlorobenzene	25.0	23.6		ug/L		94	70 - 130
1,3-Dichloropropane	25.0	23.3		ug/L		93	70 - 130
1,4-Dichlorobenzene	25.0	23.1		ug/L		92	70 - 130
1,4-Dioxane	500	575		ug/L		115	70 - 130
2,2-Dichloropropane	25.0	25.0		ug/L		100	70 - 130
2-Butanone (MEK)	125	204	*	ug/L		163	70 - 130
2-Chlorotoluene	25.0	25.2		ug/L		101	70 - 130
2-Hexanone	125	115		ug/L		92	70 - 130
4-Chlorotoluene	25.0	24.4		ug/L		98	70 - 130
4-Isopropyltoluene	25.0	25.0		ug/L		100	70 - 130
4-Methyl-2-pentanone (MIBK)	125	112		ug/L		89	70 - 130
Acetone	125	111		ug/L		89	70 - 130
Benzene	25.0	24.0		ug/L		96	70 - 130
Bromobenzene	25.0	23.7		ug/L		95	70 - 130
Bromoform	25.0	25.3		ug/L		101	70 - 130
Bromomethane	25.0	26.2		ug/L		105	70 - 130
Carbon disulfide	25.0	24.2		ug/L		97	70 - 130
Carbon tetrachloride	25.0	25.7		ug/L		103	70 - 130
Chlorobenzene	25.0	23.5		ug/L		94	70 - 130
Chlorobromomethane	25.0	23.9		ug/L		95	70 - 130
Chlorodibromomethane	25.0	24.9		ug/L		100	70 - 130
Chloroethane	25.0	27.0		ug/L		108	70 - 130
Chloroform	25.0	22.0		ug/L		88	70 - 130
Chloromethane	25.0	26.4		ug/L		106	70 - 130
cis-1,2-Dichloroethene	25.0	24.5		ug/L		98	70 - 130
cis-1,3-Dichloropropene	25.0	25.8		ug/L		103	70 - 130
Dichlorobromomethane	25.0	24.5		ug/L		98	70 - 130
Dichlorodifluoromethane	25.0	29.3		ug/L		117	70 - 130
Ethyl ether	25.0	23.4		ug/L		93	70 - 130
Ethylbenzene	25.0	23.8		ug/L		95	70 - 130
Ethylene Dibromide	25.0	23.7		ug/L		95	70 - 130
Hexachlorobutadiene	25.0	26.6		ug/L		106	70 - 130
Isopropyl ether	25.0	25.4		ug/L		101	70 - 130
Isopropylbenzene	25.0	25.2		ug/L		101	70 - 130
Methyl tert-butyl ether	25.0	24.5		ug/L		98	70 - 130
Methylene Chloride	25.0	21.8		ug/L		87	70 - 130
m-Xylene & p-Xylene	25.0	25.1		ug/L		100	70 - 130
Naphthalene	25.0	24.7		ug/L		99	70 - 130
n-Butylbenzene	25.0	25.8		ug/L		103	70 - 130
N-Propylbenzene	25.0	24.4		ug/L		97	70 - 130
o-Xylene	25.0	24.4		ug/L		98	70 - 130
sec-Butylbenzene	25.0	25.3		ug/L		101	70 - 130
Styrene	25.0	25.4		ug/L		101	70 - 130
Tert-amyl methyl ether	25.0	26.0		ug/L		104	70 - 130
Tert-butyl ethyl ether	25.0	25.1		ug/L		100	70 - 130
tert-Butylbenzene	25.0	25.5		ug/L		102	70 - 130
Tetrachloroethene	25.0	24.5		ug/L		98	70 - 130

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

Lab Sample ID: LCS 480-548859/5
Matrix: Water
Analysis Batch: 548859

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrahydrofuran	50.0	58.7		ug/L		117	70 - 130
Toluene	25.0	23.5		ug/L		94	70 - 130
trans-1,2-Dichloroethene	25.0	24.3		ug/L		97	70 - 130
trans-1,3-Dichloropropene	25.0	24.5		ug/L		98	70 - 130
Trichloroethene	25.0	25.0		ug/L		100	70 - 130
Trichlorofluoromethane	25.0	28.6		ug/L		114	70 - 130
Vinyl chloride	25.0	28.7		ug/L		115	70 - 130
Dibromomethane	25.0	24.2		ug/L		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*95*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 480-548859/6
Matrix: Water
Analysis Batch: 548859

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	25.0	25.3		ug/L		101	70 - 130	1	20
1,1,1-Trichloroethane	25.0	23.9		ug/L		96	70 - 130	2	20
1,1,2,2-Tetrachloroethane	25.0	23.3		ug/L		93	70 - 130	4	20
1,1,2-Trichloroethane	25.0	24.4		ug/L		97	70 - 130	1	20
1,1-Dichloroethane	25.0	24.2		ug/L		97	70 - 130	1	20
1,1-Dichloroethene	25.0	23.8		ug/L		95	70 - 130	2	20
1,1-Dichloropropene	25.0	24.0		ug/L		96	70 - 130	1	20
1,2,3-Trichlorobenzene	25.0	25.6		ug/L		102	70 - 130	7	20
1,2,3-Trichloropropane	25.0	24.1		ug/L		96	70 - 130	4	20
1,2,4-Trichlorobenzene	25.0	25.6		ug/L		103	70 - 130	3	20
1,2,4-Trimethylbenzene	25.0	26.3		ug/L		105	70 - 130	2	20
1,2-Dibromo-3-Chloropropane	25.0	24.1		ug/L		96	70 - 130	3	20
1,2-Dichlorobenzene	25.0	24.3		ug/L		97	70 - 130	3	20
1,2-Dichloroethane	25.0	22.9		ug/L		92	70 - 130	0	20
1,2-Dichloropropane	25.0	24.5		ug/L		98	70 - 130	0	20
1,3,5-Trimethylbenzene	25.0	25.7		ug/L		103	70 - 130	2	20
1,3-Dichlorobenzene	25.0	24.3		ug/L		97	70 - 130	3	20
1,3-Dichloropropane	25.0	23.8		ug/L		95	70 - 130	2	20
1,4-Dichlorobenzene	25.0	23.7		ug/L		95	70 - 130	3	20
1,4-Dioxane	500	575		ug/L		115	70 - 130	0	20
2,2-Dichloropropane	25.0	25.2		ug/L		101	70 - 130	1	20
2-Butanone (MEK)	125	205	*	ug/L		164	70 - 130	0	20
2-Chlorotoluene	25.0	25.8		ug/L		103	70 - 130	2	20
2-Hexanone	125	117		ug/L		94	70 - 130	2	20
4-Chlorotoluene	25.0	25.1		ug/L		100	70 - 130	3	20
4-Isopropyltoluene	25.0	25.6		ug/L		102	70 - 130	2	20
4-Methyl-2-pentanone (MIBK)	125	115		ug/L		92	70 - 130	3	20
Acetone	125	110		ug/L		88	70 - 130	1	20
Benzene	25.0	23.6		ug/L		94	70 - 130	2	20

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

Lab Sample ID: LCSD 480-548859/6
Matrix: Water
Analysis Batch: 548859

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
Bromobenzene			25.0	24.0		ug/L		96	70 - 130	1	20
Bromoform			25.0	25.7		ug/L		103	70 - 130	2	20
Bromomethane			25.0	25.7		ug/L		103	70 - 130	2	20
Carbon disulfide			25.0	23.6		ug/L		95	70 - 130	2	20
Carbon tetrachloride			25.0	25.1		ug/L		100	70 - 130	2	20
Chlorobenzene			25.0	23.8		ug/L		95	70 - 130	1	20
Chlorobromomethane			25.0	24.3		ug/L		97	70 - 130	2	20
Chlorodibromomethane			25.0	25.7		ug/L		103	70 - 130	3	20
Chloroethane			25.0	25.9		ug/L		103	70 - 130	4	20
Chloroform			25.0	21.5		ug/L		86	70 - 130	2	20
Chloromethane			25.0	24.6		ug/L		98	70 - 130	7	20
cis-1,2-Dichloroethene			25.0	24.1		ug/L		96	70 - 130	2	20
cis-1,3-Dichloropropene			25.0	26.1		ug/L		104	70 - 130	1	20
Dichlorobromomethane			25.0	24.4		ug/L		97	70 - 130	0	20
Dichlorodifluoromethane			25.0	26.5		ug/L		106	70 - 130	10	20
Ethyl ether			25.0	23.2		ug/L		93	70 - 130	1	20
Ethylbenzene			25.0	24.3		ug/L		97	70 - 130	2	20
Ethylene Dibromide			25.0	24.5		ug/L		98	70 - 130	3	20
Hexachlorobutadiene			25.0	27.5		ug/L		110	70 - 130	3	20
Isopropyl ether			25.0	25.4		ug/L		101	70 - 130	0	20
Isopropylbenzene			25.0	25.6		ug/L		102	70 - 130	1	20
Methyl tert-butyl ether			25.0	24.5		ug/L		98	70 - 130	0	20
Methylene Chloride			25.0	21.3		ug/L		85	70 - 130	2	20
m-Xylene & p-Xylene			25.0	25.4		ug/L		101	70 - 130	1	20
Naphthalene			25.0	26.0		ug/L		104	70 - 130	5	20
n-Butylbenzene			25.0	26.2		ug/L		105	70 - 130	1	20
N-Propylbenzene			25.0	24.9		ug/L		100	70 - 130	2	20
o-Xylene			25.0	25.0		ug/L		100	70 - 130	3	20
sec-Butylbenzene			25.0	25.9		ug/L		104	70 - 130	2	20
Styrene			25.0	25.8		ug/L		103	70 - 130	2	20
Tert-amyl methyl ether			25.0	26.2		ug/L		105	70 - 130	1	20
Tert-butyl ethyl ether			25.0	25.2		ug/L		101	70 - 130	0	20
tert-Butylbenzene			25.0	25.9		ug/L		104	70 - 130	1	20
Tetrachloroethene			25.0	25.3		ug/L		101	70 - 130	3	20
Tetrahydrofuran			50.0	58.6		ug/L		117	70 - 130	0	20
Toluene			25.0	23.7		ug/L		95	70 - 130	1	20
trans-1,2-Dichloroethene			25.0	23.8		ug/L		95	70 - 130	2	20
trans-1,3-Dichloropropene			25.0	25.4		ug/L		102	70 - 130	4	20
Trichloroethene			25.0	24.4		ug/L		98	70 - 130	2	20
Trichlorofluoromethane			25.0	27.6		ug/L		110	70 - 130	3	20
Vinyl chloride			25.0	27.1		ug/L		109	70 - 130	5	20
Dibromomethane			25.0	24.1		ug/L		96	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*

QC Association Summary

Client: ERM-Northeast
Project/Site: IDS Wayland

Job ID: 480-174893-1

GC/MS VOA

Analysis Batch: 548859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-174893-1	MW-217M-20200909-01	Total/NA	Water	8260C	
480-174893-2	TB-002-20200909-01	Total/NA	Water	8260C	
MB 480-548859/8	Method Blank	Total/NA	Water	8260C	
LCS 480-548859/5	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-548859/6	Lab Control Sample Dup	Total/NA	Water	8260C	

Lab Chronicle

Client: ERM-Northeast
Project/Site: IDS Wayland

Job ID: 480-174893-1

Client Sample ID: MW-217M-20200909-01

Lab Sample ID: 480-174893-1

Date Collected: 09/09/20 10:30

Matrix: Water

Date Received: 09/10/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	548859	09/10/20 13:40	CRL	TAL BUF

Client Sample ID: TB-002-20200909-01

Lab Sample ID: 480-174893-2

Date Collected: 09/09/20 00:00

Matrix: Water

Date Received: 09/10/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	548859	09/10/20 14:04	CRL	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: ERM-Northeast
Project/Site: IDS Wayland

Job ID: 480-174893-1

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-0686	07-07-21
California	State	2931	04-01-20 *
Connecticut	State	PH-0568	09-30-20
Florida	NELAP	E87672	07-01-21
Georgia	State	10026 (NY)	04-01-21
Georgia	State Program	N/A	03-31-09 *
Georgia (DW)	State	956	04-01-21
Illinois	NELAP	200003	09-30-20
Iowa	State	374	02-28-21
Kansas	NELAP	E-10187	02-01-21
Kentucky (DW)	State	90029	12-31-20
Kentucky (UST)	State	30	04-01-21
Kentucky (WW)	State	KY90029	12-31-20
Louisiana	NELAP	02031	07-01-21
Maine	State	NY00044	12-04-20
Maryland	State	294	04-01-21
Massachusetts	State	M-NY044	07-01-21
Michigan	State	9937	04-01-21
Michigan	State Program	9937	04-01-09 *
Minnesota	NELAP	1524384	12-31-20
New Hampshire	NELAP	2337	11-18-20
New Jersey	NELAP	NY455	08-02-21
New York	NELAP	10026	04-01-21
North Dakota	State	R-176	04-01-21
Oklahoma	State	9421	09-02-21
Oregon	NELAP	NY200003	06-11-21
Pennsylvania	NELAP	68-00281	08-01-21
Rhode Island	State	LAO00328	12-30-20
Tennessee	State	02970	04-01-21
Texas	NELAP	T104704412-18-10	08-02-21
USDA	US Federal Programs	P330-18-00039	02-06-21
Virginia	NELAP	460185	09-14-20
Washington	State	C784	02-11-21
Wisconsin	State	998310390	09-01-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: ERM-Northeast
Project/Site: IDS Wayland

Job ID: 480-174893-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds (GC/MS)	MA DEP	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

MA DEP = Massachusetts Department Of Environmental Protection

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

Laboratory References:

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

Sample Summary

Client: ERM-Northeast
Project/Site: IDS Wayland

Job ID: 480-174893-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-174893-1	MW-217M-20200909-01	Water	09/09/20 10:30	09/10/20 08:00	
480-174893-2	TB-002-20200909-01	Water	09/09/20 00:00	09/10/20 08:00	

Login Sample Receipt Checklist

Client: ERM-Northeast

Job Number: 480-174893-1

Login Number: 174893
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins TestAmerica, Buffalo

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

TestAmerica Westfield
501 Southampton Road
Westfield MA 01085
Phone: (413) 572-4000 Fax: (303) 467-7247

TestAmerica Boston
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): Pauline Staley	Lab PM: Becky Mason	Lab COC Barcode Label	COC No: 38091
Client Contact: Julia Redden	Sample Collector's Phone: 978-566-00[illegible]	E-Mail: Becky.mason@eurofinset.com		Page: 1 of 1
Company: ERM				Job #:
Address: One Beacon St 5th Floor	Due Date Requested:	Analysis Requested		
City: Boston	Turnaround Time (TAT) Requested (business days):			
State and Zip: MA, 02108				
Client's Phone: 617-646-7860	Quote # or Project #: 0530678			
Client's Contact Email: Julia.redden@erm.com	PO #:			
Client's Project Name/Number: IDS Wayland	WO #:			
Sample Collection Site Name & Location:	PWS ID #:			

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

480-174893 Chain of Custody

ograms:
GW1/S1
CT RSR
EDD Required
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 Hour Clock)	Sample Type: C=Comp G=Grab	Matrix Type **	8260-HCP	Total Number of
			Preservation Codes =>		A	
MW-217M-20200909-01	09/09/20	10:30	G	GW	3	3
TB-002-20200909-01	—	—	—	W	2	2

Special Instructions & Notes:
lab provided

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

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

► NOTE!! ALL SAMPLES MUST BE TRANSPORTED IN A COOLER, ON ICE !! ◄

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Pauline Staley	09/09/20 15:00	ERM	[signature]	9/9/20 1500	TA
[signature]	9/9/20 1630	TA			
			[signature]	9/10/20 900	TA

Custody Seals Intact: △ Yes △ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 3.4 #1