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June 4, 2024
File No. 20.0153134.30

Mr. Randal Goddard
146 Larabee Street
Horicon, Wisconsin 53032-1332

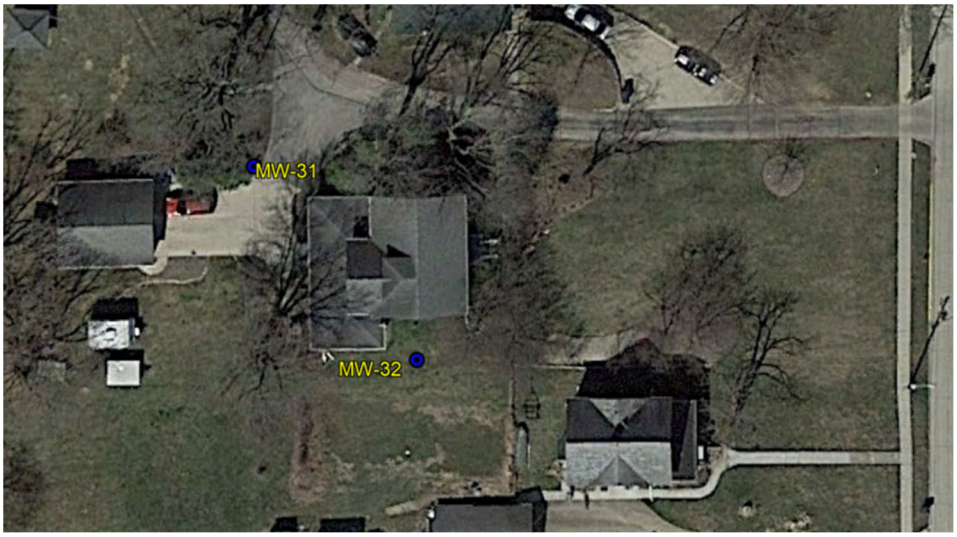
Re: April-May 2024 Groundwater Sampling Results

Dear Mr. Goddard:

On behalf of Gardner Manufacturing Company, Inc. (Gardner), GZA GeoEnvironmental, Inc. (GZA) thanks you for allowing us access to sample groundwater testing on your property at 146 Larabee Street in Horicon, Wisconsin on April 30 and May 1, 2024. As you are aware, GZA is conducting investigation and remediation of trichloroethene (TCE) on behalf of Gardner at the 263 Kansas Street property to the west of your property. The Wisconsin Department of Natural Resources (WDNR) provides oversight of the investigation and remediation activities being conducted by Gardner. With this letter, GZA is providing you with analytical results for the groundwater samples collected from your property.

Groundwater Sampling

On April 30 and May 1, 2024, GZA resampled the two monitoring wells (MW-31 and MW-32) installed on your property in early April 2024. The locations for the monitoring wells installed on your property are shown in the image below.



GZA sampled the two monitoring wells on April 30 to May 1, 2024. Groundwater samples selected for laboratory analyses were preserved with hydrochloric acid, placed on ice, and shipped to Eurofins/TestAmerica for volatile organic compound (VOC) analyses in accordance with United States Environmental Protection Agency (USEPA) Method 8260B. For this second groundwater sampling round, GZA also submitted groundwater samples for analyses for parameters used to evaluate groundwater remediation progress consisting of dissolved iron, arsenic, and chromium; dissolved gases methane, ethane, and ethene; sulfate; and total organic carbon. The groundwater laboratory analytical report is provided in **Attachment 1**.

Groundwater Analytical Results

Eight VOC constituents (cis-1,2-dichloroethene [cis-1,2-DCE]; tetrachloroethene [PCE]; TCE; trans-1,2-DCE; chloroethane [CA]; 1,1-DCE, 1,2,3-trichloropropane [1,2,3-TCP], and vinyl chloride) have been detected in at least one groundwater sample collected from one or both monitoring wells. The

groundwater analytical results are summarized below with concentrations provided in micrograms per liter (µg/l). Concentrations of TCE and vinyl chloride in MW-31 and cis-1,2-DCE; TCE; 1,1-DCE; and vinyl chloride in MW-32 exceed the respective Wisconsin Administrate Code groundwater Enforcement Standard (ES).

	Sample Date	cis-1,2-DCE	PCE	TCE	trans-1,2-DCE	CA	1,1-DCE	1,2-DCA	1,2,3-TCP	Vinyl Chloride
MW-31	April 8, 2024	8.4	<1	42	<1	3.3 J	1.9	<1	<2	<1
	April 30, 2024	5.1	<1	14	<1	1.6 J	<1	<1	<2	8.4
MW-32	April 8, 2024	6,200	<5	6,500	77	41	15	<5	12	<5
	May 1, 2024	8,400	0.74 J	6,300	95	22	11	1.5	5.3	4,900

These findings are consistent with the concentrations that were expected to be found in groundwater based on prior sampling on the eastern portion of the 263 Kansas Street property. These readings show what is found in groundwater approximately 30 feet below the surface of your property. Because you are on City water, these compounds are not in your drinking water. In addition, your home's sub-slab depressurization system collects vapors that might migrate through the soil to below your home (similar to the way that radon migrates after natural releases from soil and bedrock) and vents them to the atmosphere to keep them from entering your home.

As we informed you in the prior letter documenting the monitoring well installation and sampling, Gardner engaged GZA to conduct supplemental groundwater remediation. As with prior groundwater remediation, GZA will be using non-toxic vegetable oil to facilitate bioremediation by naturally-occurring microbes in groundwater to reduce concentration to below the WDNR's ESs for groundwater beneath your property.

Future Sampling

We will contact you in advance each time we plan to enter your property to sample from the wells to evaluate remediation progress. As we are doing with this letter and have with past air sampling in your home, we will provide you the results of the sampling.

If you are looking for more information, please contact the undersigned (262-424-2045 or bernard.fenelon@gza.com). You may also contact Mr. Jeff Ackerman of the WDNR (608-275-3323 or Jeffrey.Ackerman@wisconsin.gov) if you have questions related to the investigation and remediation at 263 Kansas Street.

Very truly yours,

GZA GeoEnvironmental, Inc.

Bernard G. Fenelon, P.G.
Senior Consultant/Hydrogeologist

John C. Osborne, P.G.
Senior Principal/Hydrogeologist

J:\153100to153199\153134 263 Kansas\30 Remediation\Correspondence\2024 Soil and GW Results 146 Larabee\
2024 06 04 FINAL May 2024 GW Sample Results 146 Larabee - Goddard.docx

Attachments: Groundwater Laboratory Analytical Report

c: Mr. Jeff Ackerman, WDNR

ATTACHMENT 1

Groundwater Laboratory Analytical Report
and Chain-of-Custody Form

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Bernard Fenelon
GZA GeoEnvironmental, Inc.
17975 W Sarah Lane, Suite 100
Brookfield, Wisconsin 53045

Generated 5/20/2024 8:15:04 AM

JOB DESCRIPTION

Former Gardner, Horicon - 20.0153134.30

JOB NUMBER

500-249882-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

Definitions of Limits
- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = 3.33 x LOD as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

Authorization

Generated
5/20/2024 8:15:04 AM

Authorized for release by
Sandie Fredrick, Senior Project Manager
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

Table of Contents

Job ID: 500-249882-1 Eurofins Chicago

Job Narrative
500-249882-1

Receipt
The samples were received on 5/2/2024 9:55 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.5º C.

GC/MS VOA
Method 8260D: The method blank for analytical batch 500-767372 contained Chloroform above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8260D: The method blank for analytical batch 500-767556 contained Napthalene, 1,2,3-Trichlorobenzene, and 1,2,4-Trichlorobenzene above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8260D: The method blank for analytical batch 500-767765 contained 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Hexachlorobutadiene and Naphthalene above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-10 (500-249882-2), MW-4 (500-249882-4), MW-32 (500-249882-5), MW-5 (500-249882-6), MW-24 (500-249882-7) and DUPLICATE (500-249882-8). Elevated reporting limits (RLs) are provided.

Method 8260D: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed outside the 7-day holding time specified for unpreserved samples but within the 14-day holding time specified for preserved samples: MW-31 (500-249882-3).

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

GC VOA
Method RSK-175: The following samples were diluted to bring the concentration of target analytes within the calibration range: P-10 (500-249882-1), MW-10 (500-249882-2), MW-4 (500-249882-4), MW-24 (500-249882-7) and MW-29 (500-249882-9). Elevated reporting limits (RLs) are provided.

Method RSK-175: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed within the 7-day holding time specified for unpreserved samples: MW-31 (500-249882-3).

Method RSK-175: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-31 (500-249882-3), MW-32 (500-249882-5) and MW-5 (500-249882-6). Elevated reporting limits (RLs) are provided.

Method RSK-175: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was reanalyzed outside the 7-day holding time specified for unpreserved samples but within the 14-day holding time specified for preserved samples: MW-31 (500-249882-3).

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

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

Field Service / Mobile Lab
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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

Method Summary

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-249882-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
RSK-175	Dissolved Gases (GC)	RSK	EET BUF
6020B	Metals (ICP/MS)	SW846	EET CHI
300.0	Anions, Ion Chromatography	EPA	EET CHI
9060A	Organic Carbon, Total (TOC)	SW846	EET CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

EPA = US Environmental Protection Agency

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

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

Laboratory References:

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

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-249882-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Client Sample ID: MW-31
Lab Sample ID: 500-249882-3
Date Collected: 04/30/24 13:40
Matrix: Water
Date Received: 05/02/24 09:55

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			05/10/24 17:55	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			05/10/24 17:55	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			05/10/24 17:55	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			05/10/24 17:55	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			05/10/24 17:55	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			05/10/24 17:55	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			05/10/24 17:55	1
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			05/10/24 17:55	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			05/10/24 17:55	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			05/10/24 17:55	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			05/10/24 17:55	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			05/10/24 17:55	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			05/10/24 17:55	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			05/10/24 17:55	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			05/10/24 17:55	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			05/10/24 17:55	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			05/10/24 17:55	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			05/10/24 17:55	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			05/10/24 17:55	1
1,4-Dichlorobenzene	<0.45		1.0	0.45	ug/L			05/10/24 17:55	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			05/10/24 17:55	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			05/10/24 17:55	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			05/10/24 17:55	1
Benzene	<0.18		0.50	0.18	ug/L			05/10/24 17:55	1
Bromobenzene	<0.60		1.0	0.60	ug/L			05/10/24 17:55	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			05/10/24 17:55	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			05/10/24 17:55	1
Bromoform	<0.96		1.0	0.96	ug/L			05/10/24 17:55	1
Bromomethane	<1.8		3.0	1.8	ug/L			05/10/24 17:55	1
Carbon tetrachloride	<0.41		1.0	0.41	ug/L			05/10/24 17:55	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			05/10/24 17:55	1
Chloroethane	**1.6**	**J**	5.0	0.47	ug/L			05/10/24 17:55	1
Chloroform	<0.92		2.0	0.92	ug/L			05/10/24 17:55	1
Chloromethane	<0.79		5.0	0.79	ug/L			05/10/24 17:55	1
cis-1,2-Dichloroethene	**5.1**		1.0	0.42	ug/L			05/10/24 17:55	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			05/10/24 17:55	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			05/10/24 17:55	1
Dibromomethane	<0.58		1.0	0.58	ug/L			05/10/24 17:55	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			05/10/24 17:55	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			05/10/24 17:55	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			05/10/24 17:55	1
Isopropyl ether	<0.38		1.0	0.38	ug/L			05/10/24 17:55	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			05/10/24 17:55	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			05/10/24 17:55	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			05/10/24 17:55	1
Naphthalene	<0.44		1.0	0.44	ug/L			05/10/24 17:55	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			05/10/24 17:55	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			05/10/24 17:55	1
p-Isopropyltoluene	<0.29		1.0	0.29	ug/L			05/10/24 17:55	1

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-249882-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Client Sample ID: MW-31
Date Collected: 04/30/24 13:40
Date Received: 05/02/24 09:55

Lab Sample ID: 500-249882-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			05/10/24 17:55	1
Styrene	<0.31		1.0	0.31	ug/L			05/10/24 17:55	1
tert-Butylbenzene	<0.26		1.0	0.26	ug/L			05/10/24 17:55	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			05/10/24 17:55	1
Toluene	<0.21		0.50	0.21	ug/L			05/10/24 17:55	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			05/10/24 17:55	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			05/10/24 17:55	1
Trichloroethene	**14**		0.50	0.15	ug/L			05/10/24 17:55	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			05/10/24 17:55	1
Vinyl chloride	**8.4**		1.0	0.47	ug/L			05/10/24 17:55	1
Xylenes, Total	<0.50		1.0	0.50	ug/L			05/10/24 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*05/10/24 17:55*	*1*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*05/10/24 17:55*	*1*
Dibromofluoromethane	*88*		*75 - 120*		*05/10/24 17:55*	*1*
Toluene-d8 (Surr)	*83*		*75 - 120*		*05/10/24 17:55*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	**59**		7.5	1.5	ug/L			05/07/24 18:37	1
Ethene	<1.5		7.0	1.5	ug/L			05/07/24 18:37	1

Method: RSK-175 - Dissolved Gases (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**4200**		440	110	ug/L			05/08/24 10:37	110

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**1.5**		1.0	0.23	ug/L		05/13/24 08:55	05/14/24 14:09	1
Chromium	<1.1		5.0	1.1	ug/L		05/13/24 08:55	05/14/24 14:09	1
Iron	**630**	**B**	100	47	ug/L		05/13/24 08:55	05/14/24 14:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (EPA 300.0)	**49**		1.0	0.21	mg/L			05/17/24 09:47	1
Total Organic Carbon - Quad (SW846 9060A)	**4.4**		1.0	0.47	mg/L			05/12/24 23:19	1

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-249882-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Client Sample ID: MW-32
Date Collected: 05/01/24 12:50
Date Received: 05/02/24 09:55

Lab Sample ID: 500-249882-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			05/10/24 19:07	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			05/10/24 19:07	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			05/10/24 19:07	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			05/10/24 19:07	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			05/10/24 19:07	1
1,1-Dichloroethene	**11**		1.0	0.48	ug/L			05/10/24 19:07	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			05/10/24 19:07	1
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			05/10/24 19:07	1
1,2,3-Trichloropropane	**5.3**		2.0	1.5	ug/L			05/10/24 19:07	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			05/10/24 19:07	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			05/10/24 19:07	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			05/10/24 19:07	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			05/10/24 19:07	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			05/10/24 19:07	1
1,2-Dichloroethane	**1.5**		1.0	0.58	ug/L			05/10/24 19:07	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			05/10/24 19:07	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			05/10/24 19:07	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			05/10/24 19:07	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			05/10/24 19:07	1
1,4-Dichlorobenzene	<0.45		1.0	0.45	ug/L			05/10/24 19:07	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			05/10/24 19:07	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			05/10/24 19:07	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			05/10/24 19:07	1
Benzene	<0.18		0.50	0.18	ug/L			05/10/24 19:07	1
Bromobenzene	<0.60		1.0	0.60	ug/L			05/10/24 19:07	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			05/10/24 19:07	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			05/10/24 19:07	1
Bromoform	<0.96		1.0	0.96	ug/L			05/10/24 19:07	1
Bromomethane	<1.8		3.0	1.8	ug/L			05/10/24 19:07	1
Carbon tetrachloride	<0.41		1.0	0.41	ug/L			05/10/24 19:07	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			05/10/24 19:07	1
Chloroethane	**22**		5.0	0.47	ug/L			05/10/24 19:07	1
Chloroform	<0.92		2.0	0.92	ug/L			05/10/24 19:07	1
Chloromethane	<0.79		5.0	0.79	ug/L			05/10/24 19:07	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			05/10/24 19:07	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			05/10/24 19:07	1
Dibromomethane	<0.58		1.0	0.58	ug/L			05/10/24 19:07	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			05/10/24 19:07	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			05/10/24 19:07	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			05/10/24 19:07	1
Isopropyl ether	<0.38		1.0	0.38	ug/L			05/10/24 19:07	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			05/10/24 19:07	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			05/10/24 19:07	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			05/10/24 19:07	1
Naphthalene	<0.44		1.0	0.44	ug/L			05/10/24 19:07	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			05/10/24 19:07	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			05/10/24 19:07	1
p-Isopropyltoluene	<0.29		1.0	0.29	ug/L			05/10/24 19:07	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			05/10/24 19:07	1

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-249882-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Client Sample ID: MW-32
Date Collected: 05/01/24 12:50
Date Received: 05/02/24 09:55

Lab Sample ID: 500-249882-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<0.31		1.0	0.31	ug/L			05/10/24 19:07	1
tert-Butylbenzene	<0.26		1.0	0.26	ug/L			05/10/24 19:07	1
Tetrachloroethene	**0.74**	**J**	1.0	0.39	ug/L			05/10/24 19:07	1
Toluene	<0.21		0.50	0.21	ug/L			05/10/24 19:07	1
trans-1,2-Dichloroethene	**95**		1.0	0.44	ug/L			05/10/24 19:07	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			05/10/24 19:07	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			05/10/24 19:07	1
Xylenes, Total	<0.50		1.0	0.50	ug/L			05/10/24 19:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*05/10/24 19:07*	*1*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*05/10/24 19:07*	*1*
Dibromofluoromethane	*87*		*75 - 120*		*05/10/24 19:07*	*1*
Toluene-d8 (Surr)	*83*		*75 - 120*		*05/10/24 19:07*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**8400**		200	83	ug/L			05/13/24 14:51	200
Trichloroethene	**6300**		100	30	ug/L			05/13/24 14:51	200
Vinyl chloride	**4900**		200	94	ug/L			05/13/24 14:51	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*		*05/13/24 14:51*	*200*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*05/13/24 14:51*	*200*
Dibromofluoromethane	*112*		*75 - 120*		*05/13/24 14:51*	*200*
Toluene-d8 (Surr)	*103*		*75 - 120*		*05/13/24 14:51*	*200*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	**17**		7.5	1.5	ug/L			05/07/24 19:15	1
Ethene	**190**		7.0	1.5	ug/L			05/07/24 19:15	1

Method: RSK-175 - Dissolved Gases (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**2000**		88	22	ug/L			05/08/24 10:56	22

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.68**	**J**	1.0	0.23	ug/L		05/13/24 08:55	05/14/24 14:16	1
Chromium	<1.1		5.0	1.1	ug/L		05/13/24 08:55	05/14/24 14:16	1
Iron	**610**	**B**	100	47	ug/L		05/13/24 08:55	05/14/24 14:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (EPA 300.0)	**2.2**		1.0	0.21	mg/L			05/17/24 10:17	1
Total Organic Carbon - Quad (SW846 9060A)	**3.2**		1.0	0.47	mg/L			05/10/24 00:47	1

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-249882-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Client Sample ID: TRIP BLANK
Lab Sample ID: 500-249882-10

Date Collected: 05/01/24 00:00
Matrix: Water
Date Received: 05/02/24 09:55

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.67		1.0	0.67	ug/L			05/13/24 11:10	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			05/13/24 11:10	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			05/13/24 11:10	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			05/13/24 11:10	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			05/13/24 11:10	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			05/13/24 11:10	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			05/13/24 11:10	1
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			05/13/24 11:10	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			05/13/24 11:10	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			05/13/24 11:10	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			05/13/24 11:10	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			05/13/24 11:10	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			05/13/24 11:10	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			05/13/24 11:10	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			05/13/24 11:10	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			05/13/24 11:10	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			05/13/24 11:10	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			05/13/24 11:10	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			05/13/24 11:10	1
1,4-Dichlorobenzene	<0.45		1.0	0.45	ug/L			05/13/24 11:10	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			05/13/24 11:10	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			05/13/24 11:10	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			05/13/24 11:10	1
Benzene	<0.18		0.50	0.18	ug/L			05/13/24 11:10	1
Bromobenzene	<0.60		1.0	0.60	ug/L			05/13/24 11:10	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			05/13/24 11:10	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			05/13/24 11:10	1
Bromoform	<0.96		1.0	0.96	ug/L			05/13/24 11:10	1
Bromomethane	<1.8		3.0	1.8	ug/L			05/13/24 11:10	1
Carbon tetrachloride	<0.41		1.0	0.41	ug/L			05/13/24 11:10	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			05/13/24 11:10	1
Chloroethane	<0.47		5.0	0.47	ug/L			05/13/24 11:10	1
Chloroform	<0.92		2.0	0.92	ug/L			05/13/24 11:10	1
Chloromethane	<0.79		5.0	0.79	ug/L			05/13/24 11:10	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			05/13/24 11:10	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			05/13/24 11:10	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			05/13/24 11:10	1
Dibromomethane	<0.58		1.0	0.58	ug/L			05/13/24 11:10	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			05/13/24 11:10	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			05/13/24 11:10	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			05/13/24 11:10	1
Isopropyl ether	<0.38		1.0	0.38	ug/L			05/13/24 11:10	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			05/13/24 11:10	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			05/13/24 11:10	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			05/13/24 11:10	1
Naphthalene	<0.44		1.0	0.44	ug/L			05/13/24 11:10	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			05/13/24 11:10	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			05/13/24 11:10	1
p-Isopropyltoluene	<0.29		1.0	0.29	ug/L			05/13/24 11:10	1

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-249882-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Client Sample ID: TRIP BLANK
Lab Sample ID: 500-249882-10
Date Collected: 05/01/24 00:00
Matrix: Water
Date Received: 05/02/24 09:55

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			05/13/24 11:10	1
Styrene	<0.31		1.0	0.31	ug/L			05/13/24 11:10	1
tert-Butylbenzene	<0.26		1.0	0.26	ug/L			05/13/24 11:10	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			05/13/24 11:10	1
Toluene	<0.21		0.50	0.21	ug/L			05/13/24 11:10	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			05/13/24 11:10	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			05/13/24 11:10	1
Trichloroethene	<0.15		0.50	0.15	ug/L			05/13/24 11:10	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			05/13/24 11:10	1
Vinyl chloride	<0.47		1.0	0.47	ug/L			05/13/24 11:10	1
Xylenes, Total	<0.50		1.0	0.50	ug/L			05/13/24 11:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 126*		*05/13/24 11:10*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*05/13/24 11:10*	*1*
Dibromofluoromethane	*112*		*75 - 120*		*05/13/24 11:10*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*05/13/24 11:10*	*1*

Definitions/Glossary

Client: GZA GeoEnvironmental, Inc. Job ID: 500-249882-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
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
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

GC/MS VOA

Analysis Batch: 767372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249882-1	P-10	Total/NA	Water	8260D	
500-249882-2	MW-10	Total/NA	Water	8260D	
500-249882-2 - DL	MW-10	Total/NA	Water	8260D	
500-249882-3	MW-31	Total/NA	Water	8260D	
500-249882-5	MW-32	Total/NA	Water	8260D	
MB 500-767372/8	Method Blank	Total/NA	Water	8260D	
LCS 500-767372/5	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 767556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249882-5 - DL	MW-32	Total/NA	Water	8260D	
500-249882-6	MW-5	Total/NA	Water	8260D	
500-249882-6 - DL	MW-5	Total/NA	Water	8260D	
500-249882-7	MW-24	Total/NA	Water	8260D	
500-249882-7 - DL	MW-24	Total/NA	Water	8260D	
500-249882-8	DUPLICATE	Total/NA	Water	8260D	
500-249882-10	TRIP BLANK	Total/NA	Water	8260D	
MB 500-767556/7	Method Blank	Total/NA	Water	8260D	
LCS 500-767556/4	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 767765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249882-4	MW-4	Total/NA	Water	8260D	
500-249882-4 - DL	MW-4	Total/NA	Water	8260D	
500-249882-6 - DL2	MW-5	Total/NA	Water	8260D	
500-249882-8 - DL	DUPLICATE	Total/NA	Water	8260D	
500-249882-9	MW-29	Total/NA	Water	8260D	
MB 500-767765/7	Method Blank	Total/NA	Water	8260D	
LCS 500-767765/4	Lab Control Sample	Total/NA	Water	8260D	

GC VOA

Analysis Batch: 710882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249882-1	P-10	Total/NA	Water	RSK-175	
500-249882-2	MW-10	Total/NA	Water	RSK-175	
500-249882-3	MW-31	Total/NA	Water	RSK-175	
500-249882-4	MW-4	Total/NA	Water	RSK-175	
500-249882-5	MW-32	Total/NA	Water	RSK-175	
500-249882-7	MW-24	Total/NA	Water	RSK-175	
500-249882-9	MW-29	Total/NA	Water	RSK-175	
MB 480-710882/24	Method Blank	Total/NA	Water	RSK-175	
MB 480-710882/3	Method Blank	Total/NA	Water	RSK-175	
LCS 480-710882/25	Lab Control Sample	Total/NA	Water	RSK-175	
LCS 480-710882/4	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 480-710882/26	Lab Control Sample Dup	Total/NA	Water	RSK-175	

Analysis Batch: 711125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249882-3 - DL	MW-31	Total/NA	Water	RSK-175	
500-249882-5 - DL	MW-32	Total/NA	Water	RSK-175	

GC VOA (Continued)

Analysis Batch: 711125 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249882-6	MW-5	Total/NA	Water	RSK-175	
MB 480-711125/4	Method Blank	Total/NA	Water	RSK-175	
LCS 480-711125/5	Lab Control Sample	Total/NA	Water	RSK-175	

Metals

Prep Batch: 767620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249882-1	P-10	Dissolved	Water	3005A	
500-249882-2	MW-10	Dissolved	Water	3005A	
500-249882-3	MW-31	Dissolved	Water	3005A	
500-249882-4	MW-4	Dissolved	Water	3005A	
500-249882-5	MW-32	Dissolved	Water	3005A	
500-249882-6	MW-5	Dissolved	Water	3005A	
500-249882-7	MW-24	Dissolved	Water	3005A	
500-249882-9	MW-29	Dissolved	Water	3005A	
MB 500-767620/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-767620/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 767998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249882-1	P-10	Dissolved	Water	6020B	767620
500-249882-2	MW-10	Dissolved	Water	6020B	767620
500-249882-3	MW-31	Dissolved	Water	6020B	767620
500-249882-4	MW-4	Dissolved	Water	6020B	767620
500-249882-5	MW-32	Dissolved	Water	6020B	767620
500-249882-6	MW-5	Dissolved	Water	6020B	767620
500-249882-7	MW-24	Dissolved	Water	6020B	767620
500-249882-9	MW-29	Dissolved	Water	6020B	767620
MB 500-767620/1-A	Method Blank	Total Recoverable	Water	6020B	767620
LCS 500-767620/2-A	Lab Control Sample	Total Recoverable	Water	6020B	767620

General Chemistry

Analysis Batch: 767507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249882-5	MW-32	Total/NA	Water	9060A	
500-249882-6	MW-5	Total/NA	Water	9060A	
500-249882-7	MW-24	Total/NA	Water	9060A	
500-249882-9	MW-29	Total/NA	Water	9060A	
MB 500-767507/30	Method Blank	Total/NA	Water	9060A	
LCS 500-767507/31	Lab Control Sample	Total/NA	Water	9060A	

Analysis Batch: 767664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249882-1	P-10	Total/NA	Water	9060A	
500-249882-2	MW-10	Total/NA	Water	9060A	
500-249882-3	MW-31	Total/NA	Water	9060A	
500-249882-4	MW-4	Total/NA	Water	9060A	
MB 500-767664/6	Method Blank	Total/NA	Water	9060A	
LCS 500-767664/7	Lab Control Sample	Total/NA	Water	9060A	

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-249882-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

General Chemistry

Analysis Batch: 768268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249882-1	P-10	Total/NA	Water	300.0	
500-249882-2	MW-10	Total/NA	Water	300.0	
500-249882-3	MW-31	Total/NA	Water	300.0	
500-249882-4	MW-4	Total/NA	Water	300.0	
500-249882-5	MW-32	Total/NA	Water	300.0	
500-249882-6	MW-5	Total/NA	Water	300.0	
500-249882-7	MW-24	Total/NA	Water	300.0	
500-249882-9	MW-29	Total/NA	Water	300.0	
MB 500-768268/65	Method Blank	Total/NA	Water	300.0	
LCS 500-768268/66	Lab Control Sample	Total/NA	Water	300.0	

Surrogate Summary

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-249882-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-126)	(72-124)	(75-120)	(75-120)
500-249882-1	P-10	100	92	85	82
500-249882-2	MW-10	101	89	90	81
500-249882-2 - DL	MW-10	99	93	91	83
500-249882-3	MW-31	98	93	88	83
500-249882-4	MW-4	107	96	111	103
500-249882-4 - DL	MW-4	112	97	115	101
500-249882-5	MW-32	102	91	87	83
500-249882-5 - DL	MW-32	111	98	112	103
500-249882-6	MW-5	105	99	108	102
500-249882-6 - DL	MW-5	110	96	114	100
500-249882-6 - DL2	MW-5	111	97	111	101
500-249882-7	MW-24	111	100	109	102
500-249882-7 - DL	MW-24	109	96	110	102
500-249882-8	DUPLICATE	106	97	109	102
500-249882-8 - DL	DUPLICATE	110	95	114	100
500-249882-9	MW-29	110	97	116	99
500-249882-10	TRIP BLANK	112	99	112	103
LCS 500-767372/5	Lab Control Sample	91	89	85	83
LCS 500-767556/4	Lab Control Sample	108	95	110	101
LCS 500-767765/4	Lab Control Sample	104	98	109	105
MB 500-767372/8	Method Blank	98	91	87	83
MB 500-767556/7	Method Blank	110	100	112	104
MB 500-767765/7	Method Blank	108	101	108	106

Surrogate Legend

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

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 500-767372/8
Matrix: Water
Analysis Batch: 767372

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	<0.67		1.0	0.67	ug/L			05/10/24 11:27	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			05/10/24 11:27	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			05/10/24 11:27	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			05/10/24 11:27	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			05/10/24 11:27	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			05/10/24 11:27	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			05/10/24 11:27	1
1,2,3-Trichlorobenzene	<0.35		1.0	0.35	ug/L			05/10/24 11:27	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			05/10/24 11:27	1
1,2,4-Trichlorobenzene	<0.31		1.0	0.31	ug/L			05/10/24 11:27	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			05/10/24 11:27	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			05/10/24 11:27	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			05/10/24 11:27	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			05/10/24 11:27	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			05/10/24 11:27	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			05/10/24 11:27	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			05/10/24 11:27	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			05/10/24 11:27	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			05/10/24 11:27	1
1,4-Dichlorobenzene	<0.45		1.0	0.45	ug/L			05/10/24 11:27	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			05/10/24 11:27	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			05/10/24 11:27	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			05/10/24 11:27	1
Benzene	<0.18		0.50	0.18	ug/L			05/10/24 11:27	1
Bromobenzene	<0.60		1.0	0.60	ug/L			05/10/24 11:27	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			05/10/24 11:27	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			05/10/24 11:27	1
Bromoform	<0.96		1.0	0.96	ug/L			05/10/24 11:27	1
Bromomethane	<1.8		3.0	1.8	ug/L			05/10/24 11:27	1
Carbon tetrachloride	<0.41		1.0	0.41	ug/L			05/10/24 11:27	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			05/10/24 11:27	1
Chloroethane	<0.47		5.0	0.47	ug/L			05/10/24 11:27	1
Chloroform	1.04	J	2.0	0.92	ug/L			05/10/24 11:27	1
Chloromethane	<0.79		5.0	0.79	ug/L			05/10/24 11:27	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			05/10/24 11:27	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			05/10/24 11:27	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			05/10/24 11:27	1
Dibromomethane	<0.58		1.0	0.58	ug/L			05/10/24 11:27	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			05/10/24 11:27	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			05/10/24 11:27	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			05/10/24 11:27	1
Isopropyl ether	<0.38		1.0	0.38	ug/L			05/10/24 11:27	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			05/10/24 11:27	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			05/10/24 11:27	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			05/10/24 11:27	1
Naphthalene	<0.44		1.0	0.44	ug/L			05/10/24 11:27	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			05/10/24 11:27	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			05/10/24 11:27	1

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

Lab Sample ID: MB 500-767372/8
Matrix: Water
Analysis Batch: 767372

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.29		1.0	0.29	ug/L			05/10/24 11:27	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			05/10/24 11:27	1
Styrene	<0.31		1.0	0.31	ug/L			05/10/24 11:27	1
tert-Butylbenzene	<0.26		1.0	0.26	ug/L			05/10/24 11:27	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			05/10/24 11:27	1
Toluene	<0.21		0.50	0.21	ug/L			05/10/24 11:27	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			05/10/24 11:27	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			05/10/24 11:27	1
Trichloroethene	<0.15		0.50	0.15	ug/L			05/10/24 11:27	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			05/10/24 11:27	1
Vinyl chloride	<0.47		1.0	0.47	ug/L			05/10/24 11:27	1
Xylenes, Total	<0.50		1.0	0.50	ug/L			05/10/24 11:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*05/10/24 11:27*	*1*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*05/10/24 11:27*	*1*
Dibromofluoromethane	*87*		*75 - 120*		*05/10/24 11:27*	*1*
Toluene-d8 (Surr)	*83*		*75 - 120*		*05/10/24 11:27*	*1*

Lab Sample ID: LCS 500-767372/5
Matrix: Water
Analysis Batch: 767372

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	44.6		ug/L		89	70 - 125
1,1,1-Trichloroethane	50.0	58.3		ug/L		117	70 - 125
1,1,2,2-Tetrachloroethane	50.0	31.9		ug/L		64	62 - 140
1,1,2-Trichloroethane	50.0	37.0		ug/L		74	71 - 130
1,1-Dichloroethane	50.0	56.1		ug/L		112	70 - 125
1,1-Dichloroethene	50.0	49.5		ug/L		99	67 - 122
1,1-Dichloropropene	50.0	52.1		ug/L		104	70 - 121
1,2,3-Trichlorobenzene	50.0	46.2		ug/L		92	51 - 145
1,2,3-Trichloropropane	50.0	30.9		ug/L		62	50 - 133
1,2,4-Trichlorobenzene	50.0	47.1		ug/L		94	57 - 137
1,2,4-Trimethylbenzene	50.0	49.8		ug/L		100	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	28.5		ug/L		57	56 - 123
1,2-Dibromoethane (EDB)	50.0	35.4		ug/L		71	70 - 125
1,2-Dichlorobenzene	50.0	43.1		ug/L		86	70 - 125
1,2-Dichloroethane	50.0	57.7		ug/L		115	68 - 127
1,2-Dichloropropane	50.0	51.2		ug/L		102	67 - 130
1,3,5-Trimethylbenzene	50.0	49.9		ug/L		100	70 - 123
1,3-Dichlorobenzene	50.0	45.2		ug/L		90	70 - 125
1,3-Dichloropropane	50.0	36.2		ug/L		72	62 - 136
1,4-Dichlorobenzene	50.0	44.1		ug/L		88	70 - 120
2,2-Dichloropropane	50.0	54.1		ug/L		108	58 - 139
2-Chlorotoluene	50.0	50.4		ug/L		101	70 - 125
4-Chlorotoluene	50.0	51.7		ug/L		103	68 - 124
Benzene	50.0	45.5		ug/L		91	70 - 120

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

Lab Sample ID: LCS 500-767372/5
Matrix: Water
Analysis Batch: 767372

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromobenzene	50.0	44.7		ug/L		89	70 - 122
Bromochloromethane	50.0	43.9		ug/L		88	65 - 122
Bromodichloromethane	50.0	51.0		ug/L		102	69 - 120
Bromoform	50.0	35.0		ug/L		70	56 - 132
Bromomethane	50.0	57.0		ug/L		114	40 - 152
Carbon tetrachloride	50.0	57.0		ug/L		114	59 - 133
Chlorobenzene	50.0	43.7		ug/L		87	70 - 120
Chloroethane	50.0	45.1		ug/L		90	48 - 136
Chloroform	50.0	51.2		ug/L		102	70 - 120
Chloromethane	50.0	47.5		ug/L		95	56 - 152
cis-1,2-Dichloroethene	50.0	47.7		ug/L		95	70 - 125
cis-1,3-Dichloropropene	50.0	42.9		ug/L		86	64 - 127
Dibromochloromethane	50.0	41.9		ug/L		84	68 - 125
Dibromomethane	50.0	42.1		ug/L		84	70 - 120
Dichlorodifluoromethane	50.0	35.4		ug/L		71	40 - 159
Ethylbenzene	50.0	43.9		ug/L		88	70 - 123
Hexachlorobutadiene	50.0	52.6		ug/L		105	51 - 150
Isopropylbenzene	50.0	48.8		ug/L		98	70 - 126
Methyl tert-butyl ether	50.0	40.2		ug/L		80	55 - 123
Methylene Chloride	50.0	42.6		ug/L		85	69 - 125
Naphthalene	50.0	35.9		ug/L		72	53 - 144
n-Butylbenzene	50.0	53.1		ug/L		106	68 - 125
N-Propylbenzene	50.0	50.9		ug/L		102	69 - 127
p-Isopropyltoluene	50.0	50.4		ug/L		101	70 - 125
sec-Butylbenzene	50.0	49.6		ug/L		99	70 - 123
Styrene	50.0	44.6		ug/L		89	70 - 120
tert-Butylbenzene	50.0	50.3		ug/L		101	70 - 121
Tetrachloroethene	50.0	49.2		ug/L		98	70 - 128
Toluene	50.0	42.9		ug/L		86	70 - 125
trans-1,2-Dichloroethene	50.0	48.3		ug/L		97	70 - 125
trans-1,3-Dichloropropene	50.0	43.6		ug/L		87	62 - 128
Trichloroethene	50.0	48.7		ug/L		97	70 - 125
Trichlorofluoromethane	50.0	45.6		ug/L		91	55 - 128
Vinyl chloride	50.0	42.7		ug/L		85	64 - 126
Xylenes, Total	100	94.2		ug/L		94	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*
Dibromofluoromethane	*85*		*75 - 120*
Toluene-d8 (Surr)	*83*		*75 - 120*

Lab Sample ID: MB 500-767556/7
Matrix: Water
Analysis Batch: 767556

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	<0.67		1.0	0.67	ug/L			05/13/24 10:46	1

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

Lab Sample ID: MB 500-767556/7
Matrix: Water
Analysis Batch: 767556

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-Trichloroethane	<0.45		1.0	0.45	ug/L			05/13/24 10:46	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			05/13/24 10:46	1
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			05/13/24 10:46	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			05/13/24 10:46	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			05/13/24 10:46	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			05/13/24 10:46	1
1,2,3-Trichlorobenzene	0.642	J	1.0	0.35	ug/L			05/13/24 10:46	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			05/13/24 10:46	1
1,2,4-Trichlorobenzene	0.527	J	1.0	0.31	ug/L			05/13/24 10:46	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			05/13/24 10:46	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			05/13/24 10:46	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			05/13/24 10:46	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			05/13/24 10:46	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			05/13/24 10:46	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			05/13/24 10:46	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			05/13/24 10:46	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			05/13/24 10:46	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			05/13/24 10:46	1
1,4-Dichlorobenzene	<0.45		1.0	0.45	ug/L			05/13/24 10:46	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			05/13/24 10:46	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			05/13/24 10:46	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			05/13/24 10:46	1
Benzene	<0.18		0.50	0.18	ug/L			05/13/24 10:46	1
Bromobenzene	<0.60		1.0	0.60	ug/L			05/13/24 10:46	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			05/13/24 10:46	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			05/13/24 10:46	1
Bromoform	<0.96		1.0	0.96	ug/L			05/13/24 10:46	1
Bromomethane	<1.8		3.0	1.8	ug/L			05/13/24 10:46	1
Carbon tetrachloride	<0.41		1.0	0.41	ug/L			05/13/24 10:46	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			05/13/24 10:46	1
Chloroethane	<0.47		5.0	0.47	ug/L			05/13/24 10:46	1
Chloroform	<0.92		2.0	0.92	ug/L			05/13/24 10:46	1
Chloromethane	<0.79		5.0	0.79	ug/L			05/13/24 10:46	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			05/13/24 10:46	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			05/13/24 10:46	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			05/13/24 10:46	1
Dibromomethane	<0.58		1.0	0.58	ug/L			05/13/24 10:46	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			05/13/24 10:46	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			05/13/24 10:46	1
Hexachlorobutadiene	<0.54		1.0	0.54	ug/L			05/13/24 10:46	1
Isopropyl ether	<0.38		1.0	0.38	ug/L			05/13/24 10:46	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			05/13/24 10:46	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			05/13/24 10:46	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			05/13/24 10:46	1
Naphthalene	0.546	J	1.0	0.44	ug/L			05/13/24 10:46	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			05/13/24 10:46	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			05/13/24 10:46	1
p-Isopropyltoluene	<0.29		1.0	0.29	ug/L			05/13/24 10:46	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			05/13/24 10:46	1

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

Lab Sample ID: MB 500-767556/7
Matrix: Water
Analysis Batch: 767556

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<0.31		1.0	0.31	ug/L			05/13/24 10:46	1
tert-Butylbenzene	<0.26		1.0	0.26	ug/L			05/13/24 10:46	1
Tetrachloroethene	<0.39		1.0	0.39	ug/L			05/13/24 10:46	1
Toluene	<0.21		0.50	0.21	ug/L			05/13/24 10:46	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			05/13/24 10:46	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			05/13/24 10:46	1
Trichloroethene	<0.15		0.50	0.15	ug/L			05/13/24 10:46	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			05/13/24 10:46	1
Vinyl chloride	<0.47		1.0	0.47	ug/L			05/13/24 10:46	1
Xylenes, Total	<0.50		1.0	0.50	ug/L			05/13/24 10:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*		*05/13/24 10:46*	*1*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*05/13/24 10:46*	*1*
Dibromofluoromethane	*112*		*75 - 120*		*05/13/24 10:46*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*05/13/24 10:46*	*1*

Lab Sample ID: LCS 500-767556/4
Matrix: Water
Analysis Batch: 767556

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	50.8		ug/L		102	70 - 125
1,1,1-Trichloroethane	50.0	53.3		ug/L		107	70 - 125
1,1,2,2-Tetrachloroethane	50.0	43.0		ug/L		86	62 - 140
1,1,2-Trichloroethane	50.0	46.3		ug/L		93	71 - 130
1,1-Dichloroethane	50.0	44.8		ug/L		90	70 - 125
1,1-Dichloroethene	50.0	50.6		ug/L		101	67 - 122
1,1-Dichloropropene	50.0	48.6		ug/L		97	70 - 121
1,2,3-Trichlorobenzene	50.0	41.7		ug/L		83	51 - 145
1,2,3-Trichloropropane	50.0	46.4		ug/L		93	50 - 133
1,2,4-Trichlorobenzene	50.0	42.2		ug/L		84	57 - 137
1,2,4-Trimethylbenzene	50.0	47.3		ug/L		95	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	35.9		ug/L		72	56 - 123
1,2-Dibromoethane (EDB)	50.0	48.6		ug/L		97	70 - 125
1,2-Dichlorobenzene	50.0	48.3		ug/L		97	70 - 125
1,2-Dichloroethane	50.0	49.1		ug/L		98	68 - 127
1,2-Dichloropropane	50.0	42.3		ug/L		85	67 - 130
1,3,5-Trimethylbenzene	50.0	48.1		ug/L		96	70 - 123
1,3-Dichlorobenzene	50.0	48.8		ug/L		98	70 - 125
1,3-Dichloropropane	50.0	46.6		ug/L		93	62 - 136
1,4-Dichlorobenzene	50.0	48.1		ug/L		96	70 - 120
2,2-Dichloropropane	50.0	50.4		ug/L		101	58 - 139
2-Chlorotoluene	50.0	45.6		ug/L		91	70 - 125
4-Chlorotoluene	50.0	46.7		ug/L		93	68 - 124
Benzene	50.0	44.0		ug/L		88	70 - 120
Bromobenzene	50.0	51.4		ug/L		103	70 - 122
Bromochloromethane	50.0	54.9		ug/L		110	65 - 122

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

Lab Sample ID: LCS 500-767556/4
Matrix: Water
Analysis Batch: 767556

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromodichloromethane	50.0	49.4		ug/L		99	69 - 120
Bromoform	50.0	47.5		ug/L		95	56 - 132
Bromomethane	50.0	55.8		ug/L		112	40 - 152
Carbon tetrachloride	50.0	54.3		ug/L		109	59 - 133
Chlorobenzene	50.0	50.3		ug/L		101	70 - 120
Chloroethane	50.0	43.6		ug/L		87	48 - 136
Chloroform	50.0	44.0		ug/L		88	70 - 120
Chloromethane	50.0	35.9		ug/L		72	56 - 152
cis-1,2-Dichloroethene	50.0	48.1		ug/L		96	70 - 125
cis-1,3-Dichloropropene	50.0	45.9		ug/L		92	64 - 127
Dibromochloromethane	50.0	49.8		ug/L		100	68 - 125
Dibromomethane	50.0	48.8		ug/L		98	70 - 120
Dichlorodifluoromethane	50.0	37.0		ug/L		74	40 - 159
Ethylbenzene	50.0	46.6		ug/L		93	70 - 123
Hexachlorobutadiene	50.0	38.7		ug/L		77	51 - 150
Isopropylbenzene	50.0	48.3		ug/L		97	70 - 126
Methyl tert-butyl ether	50.0	47.1		ug/L		94	55 - 123
Methylene Chloride	50.0	46.0		ug/L		92	69 - 125
Naphthalene	50.0	36.3		ug/L		73	53 - 144
n-Butylbenzene	50.0	43.5		ug/L		87	68 - 125
N-Propylbenzene	50.0	46.4		ug/L		93	69 - 127
p-Isopropyltoluene	50.0	46.7		ug/L		93	70 - 125
sec-Butylbenzene	50.0	45.7		ug/L		91	70 - 123
Styrene	50.0	48.6		ug/L		97	70 - 120
tert-Butylbenzene	50.0	47.3		ug/L		95	70 - 121
Tetrachloroethene	50.0	52.2		ug/L		104	70 - 128
Toluene	50.0	45.3		ug/L		91	70 - 125
trans-1,2-Dichloroethene	50.0	49.2		ug/L		98	70 - 125
trans-1,3-Dichloropropene	50.0	46.0		ug/L		92	62 - 128
Trichloroethene	50.0	51.8		ug/L		104	70 - 125
Trichlorofluoromethane	50.0	50.9		ug/L		102	55 - 128
Vinyl chloride	50.0	44.1		ug/L		88	64 - 126
Xylenes, Total	100	90.1		ug/L		90	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*
Dibromofluoromethane	*110*		*75 - 120*
Toluene-d8 (Surr)	*101*		*75 - 120*

Lab Sample ID: MB 500-767765/7
Matrix: Water
Analysis Batch: 767765

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	<0.67		1.0	0.67	ug/L			05/14/24 11:09	1
1,1,1-Trichloroethane	<0.45		1.0	0.45	ug/L			05/14/24 11:09	1
1,1,2,2-Tetrachloroethane	<0.65		1.0	0.65	ug/L			05/14/24 11:09	1

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-249882-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

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

Lab Sample ID: MB 500-767765/7
Matrix: Water
Analysis Batch: 767765

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	<0.73		1.0	0.73	ug/L			05/14/24 11:09	1
1,1-Dichloroethane	<0.36		1.0	0.36	ug/L			05/14/24 11:09	1
1,1-Dichloroethene	<0.48		1.0	0.48	ug/L			05/14/24 11:09	1
1,1-Dichloropropene	<0.33		1.0	0.33	ug/L			05/14/24 11:09	1
1,2,3-Trichlorobenzene	0.799	J	1.0	0.35	ug/L			05/14/24 11:09	1
1,2,3-Trichloropropane	<1.5		2.0	1.5	ug/L			05/14/24 11:09	1
1,2,4-Trichlorobenzene	0.735	J	1.0	0.31	ug/L			05/14/24 11:09	1
1,2,4-Trimethylbenzene	<0.30		1.0	0.30	ug/L			05/14/24 11:09	1
1,2-Dibromo-3-Chloropropane	<3.9		5.0	3.9	ug/L			05/14/24 11:09	1
1,2-Dibromoethane (EDB)	<0.56		1.0	0.56	ug/L			05/14/24 11:09	1
1,2-Dichlorobenzene	<0.48		1.0	0.48	ug/L			05/14/24 11:09	1
1,2-Dichloroethane	<0.58		1.0	0.58	ug/L			05/14/24 11:09	1
1,2-Dichloropropane	<0.37		1.0	0.37	ug/L			05/14/24 11:09	1
1,3,5-Trimethylbenzene	<0.29		1.0	0.29	ug/L			05/14/24 11:09	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			05/14/24 11:09	1
1,3-Dichloropropane	<0.56		1.0	0.56	ug/L			05/14/24 11:09	1
1,4-Dichlorobenzene	<0.45		1.0	0.45	ug/L			05/14/24 11:09	1
2,2-Dichloropropane	<0.48		5.0	0.48	ug/L			05/14/24 11:09	1
2-Chlorotoluene	<0.36		1.0	0.36	ug/L			05/14/24 11:09	1
4-Chlorotoluene	<0.34		1.0	0.34	ug/L			05/14/24 11:09	1
Benzene	<0.18		0.50	0.18	ug/L			05/14/24 11:09	1
Bromobenzene	<0.60		1.0	0.60	ug/L			05/14/24 11:09	1
Bromochloromethane	<0.50		1.0	0.50	ug/L			05/14/24 11:09	1
Bromodichloromethane	<0.57		1.0	0.57	ug/L			05/14/24 11:09	1
Bromoform	<0.96		1.0	0.96	ug/L			05/14/24 11:09	1
Bromomethane	<1.8		3.0	1.8	ug/L			05/14/24 11:09	1
Carbon tetrachloride	<0.41		1.0	0.41	ug/L			05/14/24 11:09	1
Chlorobenzene	<0.41		1.0	0.41	ug/L			05/14/24 11:09	1
Chloroethane	<0.47		5.0	0.47	ug/L			05/14/24 11:09	1
Chloroform	<0.92		2.0	0.92	ug/L			05/14/24 11:09	1
Chloromethane	<0.79		5.0	0.79	ug/L			05/14/24 11:09	1
cis-1,2-Dichloroethene	<0.42		1.0	0.42	ug/L			05/14/24 11:09	1
cis-1,3-Dichloropropene	<0.52		1.0	0.52	ug/L			05/14/24 11:09	1
Dibromochloromethane	<0.83		1.0	0.83	ug/L			05/14/24 11:09	1
Dibromomethane	<0.58		1.0	0.58	ug/L			05/14/24 11:09	1
Dichlorodifluoromethane	<1.8		3.0	1.8	ug/L			05/14/24 11:09	1
Ethylbenzene	<0.20		0.50	0.20	ug/L			05/14/24 11:09	1
Hexachlorobutadiene	0.914	J	1.0	0.54	ug/L			05/14/24 11:09	1
Isopropyl ether	<0.38		1.0	0.38	ug/L			05/14/24 11:09	1
Isopropylbenzene	<0.29		1.0	0.29	ug/L			05/14/24 11:09	1
Methyl tert-butyl ether	<0.43		1.0	0.43	ug/L			05/14/24 11:09	1
Methylene Chloride	<3.6		5.0	3.6	ug/L			05/14/24 11:09	1
Naphthalene	0.578	J	1.0	0.44	ug/L			05/14/24 11:09	1
n-Butylbenzene	<0.33		1.0	0.33	ug/L			05/14/24 11:09	1
N-Propylbenzene	<0.32		1.0	0.32	ug/L			05/14/24 11:09	1
p-Isopropyltoluene	<0.29		1.0	0.29	ug/L			05/14/24 11:09	1
sec-Butylbenzene	<0.27		1.0	0.27	ug/L			05/14/24 11:09	1
Styrene	<0.31		1.0	0.31	ug/L			05/14/24 11:09	1
tert-Butylbenzene	<0.26		1.0	0.26	ug/L			05/14/24 11:09	1

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

Lab Sample ID: MB 500-767765/7
Matrix: Water
Analysis Batch: 767765

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.39		1.0	0.39	ug/L			05/14/24 11:09	1
Toluene	<0.21		0.50	0.21	ug/L			05/14/24 11:09	1
trans-1,2-Dichloroethene	<0.44		1.0	0.44	ug/L			05/14/24 11:09	1
trans-1,3-Dichloropropene	<0.63		1.0	0.63	ug/L			05/14/24 11:09	1
Trichloroethene	<0.15		0.50	0.15	ug/L			05/14/24 11:09	1
Trichlorofluoromethane	<0.44		1.0	0.44	ug/L			05/14/24 11:09	1
Vinyl chloride	<0.47		1.0	0.47	ug/L			05/14/24 11:09	1
Xylenes, Total	<0.50		1.0	0.50	ug/L			05/14/24 11:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*		*05/14/24 11:09*	*1*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*05/14/24 11:09*	*1*
Dibromofluoromethane	*108*		*75 - 120*		*05/14/24 11:09*	*1*
Toluene-d8 (Surr)	*106*		*75 - 120*		*05/14/24 11:09*	*1*

Lab Sample ID: LCS 500-767765/4
Matrix: Water
Analysis Batch: 767765

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	53.0		ug/L		106	70 - 125
1,1,1-Trichloroethane	50.0	55.8		ug/L		112	70 - 125
1,1,2,2-Tetrachloroethane	50.0	45.8		ug/L		92	62 - 140
1,1,2-Trichloroethane	50.0	50.0		ug/L		100	71 - 130
1,1-Dichloroethane	50.0	46.2		ug/L		92	70 - 125
1,1-Dichloroethene	50.0	53.5		ug/L		107	67 - 122
1,1-Dichloropropene	50.0	50.8		ug/L		102	70 - 121
1,2,3-Trichlorobenzene	50.0	45.1		ug/L		90	51 - 145
1,2,3-Trichloropropane	50.0	49.4		ug/L		99	50 - 133
1,2,4-Trichlorobenzene	50.0	44.3		ug/L		89	57 - 137
1,2,4-Trimethylbenzene	50.0	47.7		ug/L		95	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	38.8		ug/L		78	56 - 123
1,2-Dibromoethane (EDB)	50.0	52.2		ug/L		104	70 - 125
1,2-Dichlorobenzene	50.0	49.0		ug/L		98	70 - 125
1,2-Dichloroethane	50.0	50.6		ug/L		101	68 - 127
1,2-Dichloropropane	50.0	45.1		ug/L		90	67 - 130
1,3,5-Trimethylbenzene	50.0	48.7		ug/L		97	70 - 123
1,3-Dichlorobenzene	50.0	50.1		ug/L		100	70 - 125
1,3-Dichloropropane	50.0	49.8		ug/L		100	62 - 136
1,4-Dichlorobenzene	50.0	49.0		ug/L		98	70 - 120
2,2-Dichloropropane	50.0	54.2		ug/L		108	58 - 139
2-Chlorotoluene	50.0	47.9		ug/L		96	70 - 125
4-Chlorotoluene	50.0	47.9		ug/L		96	68 - 124
Benzene	50.0	45.6		ug/L		91	70 - 120
Bromobenzene	50.0	54.8		ug/L		110	70 - 122
Bromochloromethane	50.0	57.0		ug/L		114	65 - 122
Bromodichloromethane	50.0	52.4		ug/L		105	69 - 120
Bromoform	50.0	49.4		ug/L		99	56 - 132

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

Lab Sample ID: LCS 500-767765/4
Matrix: Water
Analysis Batch: 767765

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	50.0	58.7		ug/L		117	40 - 152
Carbon tetrachloride	50.0	57.4		ug/L		115	59 - 133
Chlorobenzene	50.0	52.9		ug/L		106	70 - 120
Chloroethane	50.0	42.1		ug/L		84	48 - 136
Chloroform	50.0	45.6		ug/L		91	70 - 120
Chloromethane	50.0	34.2		ug/L		68	56 - 152
cis-1,2-Dichloroethene	50.0	50.3		ug/L		101	70 - 125
cis-1,3-Dichloropropene	50.0	51.0		ug/L		102	64 - 127
Dibromochloromethane	50.0	53.8		ug/L		108	68 - 125
Dibromomethane	50.0	52.1		ug/L		104	70 - 120
Dichlorodifluoromethane	50.0	31.7		ug/L		63	40 - 159
Ethylbenzene	50.0	48.4		ug/L		97	70 - 123
Hexachlorobutadiene	50.0	36.8		ug/L		74	51 - 150
Isopropylbenzene	50.0	51.2		ug/L		102	70 - 126
Methyl tert-butyl ether	50.0	48.1		ug/L		96	55 - 123
Methylene Chloride	50.0	48.2		ug/L		96	69 - 125
Naphthalene	50.0	40.5		ug/L		81	53 - 144
n-Butylbenzene	50.0	41.9		ug/L		84	68 - 125
N-Propylbenzene	50.0	48.6		ug/L		97	69 - 127
p-Isopropyltoluene	50.0	45.7		ug/L		91	70 - 125
sec-Butylbenzene	50.0	45.2		ug/L		90	70 - 123
Styrene	50.0	49.1		ug/L		98	70 - 120
tert-Butylbenzene	50.0	47.8		ug/L		96	70 - 121
Tetrachloroethene	50.0	56.7		ug/L		113	70 - 128
Toluene	50.0	48.9		ug/L		98	70 - 125
trans-1,2-Dichloroethene	50.0	51.6		ug/L		103	70 - 125
trans-1,3-Dichloropropene	50.0	50.3		ug/L		101	62 - 128
Trichloroethene	50.0	55.2		ug/L		110	70 - 125
Trichlorofluoromethane	50.0	48.8		ug/L		98	55 - 128
Vinyl chloride	50.0	41.9		ug/L		84	64 - 126
Xylenes, Total	100	93.0		ug/L		93	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*
Dibromofluoromethane	*109*		*75 - 120*
Toluene-d8 (Surr)	*105*		*75 - 120*

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 480-710882/24
Matrix: Water
Analysis Batch: 710882

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	<1.0		4.0	1.0	ug/L			05/07/24 14:32	1
Ethane	<1.5		7.5	1.5	ug/L			05/07/24 14:32	1
Ethene	<1.5		7.0	1.5	ug/L			05/07/24 14:32	1

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: MB 480-710882/3
Matrix: Water
Analysis Batch: 710882

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	<1.0		4.0	1.0	ug/L			05/07/24 07:51	1
Ethane	<1.5		7.5	1.5	ug/L			05/07/24 07:51	1
Ethene	<1.5		7.0	1.5	ug/L			05/07/24 07:51	1

Lab Sample ID: LCS 480-710882/25
Matrix: Water
Analysis Batch: 710882

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methane	19.5	22.2		ug/L		114	85 - 120
Ethane	36.5	37.0		ug/L		101	79 - 120
Ethene	34.0	35.3		ug/L		104	85 - 120

Lab Sample ID: LCS 480-710882/4
Matrix: Water
Analysis Batch: 710882

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methane	19.5	21.3		ug/L		109	85 - 120
Ethane	36.5	41.7		ug/L		114	79 - 120
Ethene	34.0	36.9		ug/L		108	85 - 120

Lab Sample ID: LCSD 480-710882/26
Matrix: Water
Analysis Batch: 710882

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
Methane	19.5	22.9		ug/L		117	85 - 120	3	50
Ethane	36.5	37.6		ug/L		103	79 - 120	2	50
Ethene	34.0	35.4		ug/L		104	85 - 120	0	50

Lab Sample ID: MB 480-711125/4
Matrix: Water
Analysis Batch: 711125

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	<1.0		4.0	1.0	ug/L			05/08/24 09:41	1
Ethane	<1.5		7.5	1.5	ug/L			05/08/24 09:41	1
Ethene	<1.5		7.0	1.5	ug/L			05/08/24 09:41	1

Lab Sample ID: LCS 480-711125/5
Matrix: Water
Analysis Batch: 711125

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methane	19.5	21.4		ug/L		110	85 - 120
Ethane	36.5	37.7		ug/L		103	79 - 120
Ethene	34.0	29.8		ug/L		87	85 - 120

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-767620/1-A
Matrix: Water
Analysis Batch: 767998

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 767620

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.23		1.0	0.23	ug/L		05/13/24 08:55	05/14/24 13:16	1
Chromium	<1.1		5.0	1.1	ug/L		05/13/24 08:55	05/14/24 13:16	1
Iron	51.5	J	100	47	ug/L		05/13/24 08:55	05/14/24 13:16	1

Lab Sample ID: LCS 500-767620/2-A
Matrix: Water
Analysis Batch: 767998

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 767620

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	100	91.9		ug/L		92	80 - 120
Chromium	200	198		ug/L		99	80 - 120
Iron	1000	1020		ug/L		102	80 - 120

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-768268/65
Matrix: Water
Analysis Batch: 768268

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.21		1.0	0.21	mg/L			05/17/24 07:15	1

Lab Sample ID: LCS 500-768268/66
Matrix: Water
Analysis Batch: 768268

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	20.0	20.4		mg/L		102	90 - 110

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 500-767507/30
Matrix: Water
Analysis Batch: 767507

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Quad	<0.47		1.0	0.47	mg/L			05/09/24 23:57	1

Lab Sample ID: LCS 500-767507/31
Matrix: Water
Analysis Batch: 767507

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon - Quad	50.0	45.0		mg/L		90	86 - 116

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: MB 500-767664/6
Matrix: Water
Analysis Batch: 767664

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Quad	<0.47		1.0	0.47	mg/L			05/12/24 15:20	1

Lab Sample ID: LCS 500-767664/7
Matrix: Water
Analysis Batch: 767664

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Quad			50.0	45.9		mg/L		92	86 - 116		

Lab Chronicle

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-249882-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Client Sample ID: P-10
Lab Sample ID: 500-249882-1
Date Collected: 04/30/24 12:45
Matrix: Water
Date Received: 05/02/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	767372	SW1	EET CHI	05/10/24 16:42
Total/NA	Analysis	RSK-175		88	710882	MAN	EET BUF	05/07/24 18:00
Dissolved	Prep	3005A			767620	BDE	EET CHI	05/13/24 08:55 - 05/13/24 14:55 [1]
Dissolved	Analysis	6020B		1	767998	RN	EET CHI	05/14/24 14:01
Total/NA	Analysis	300.0		2	768268	W1T	EET CHI	05/17/24 08:46
Total/NA	Analysis	9060A		1	767664	TR	EET CHI	05/12/24 22:34

Client Sample ID: MW-10
Lab Sample ID: 500-249882-2
Date Collected: 04/30/24 13:10
Matrix: Water
Date Received: 05/02/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	767372	SW1	EET CHI	05/10/24 17:06
Total/NA	Analysis	8260D	DL	20	767372	SW1	EET CHI	05/10/24 17:30
Total/NA	Analysis	RSK-175		88	710882	MAN	EET BUF	05/07/24 18:19
Dissolved	Prep	3005A			767620	BDE	EET CHI	05/13/24 08:55 - 05/13/24 14:55 [1]
Dissolved	Analysis	6020B		1	767998	RN	EET CHI	05/14/24 14:05
Total/NA	Analysis	300.0		1	768268	W1T	EET CHI	05/17/24 09:01
Total/NA	Analysis	9060A		1	767664	TR	EET CHI	05/12/24 22:56

Client Sample ID: MW-31
Lab Sample ID: 500-249882-3
Date Collected: 04/30/24 13:40
Matrix: Water
Date Received: 05/02/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	767372	SW1	EET CHI	05/10/24 17:55
Total/NA	Analysis	RSK-175		1	710882	MAN	EET BUF	05/07/24 18:37
Total/NA	Analysis	RSK-175	DL	110	711125	MAN	EET BUF	05/08/24 10:37
Dissolved	Prep	3005A			767620	BDE	EET CHI	05/13/24 08:55 - 05/13/24 14:55 [1]
Dissolved	Analysis	6020B		1	767998	RN	EET CHI	05/14/24 14:09
Total/NA	Analysis	300.0		1	768268	W1T	EET CHI	05/17/24 09:47
Total/NA	Analysis	9060A		1	767664	TR	EET CHI	05/12/24 23:19

Client Sample ID: MW-4
Lab Sample ID: 500-249882-4
Date Collected: 04/30/24 14:58
Matrix: Water
Date Received: 05/02/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		2	767765	W1T	EET CHI	05/14/24 13:11
Total/NA	Analysis	8260D	DL	20	767765	W1T	EET CHI	05/14/24 13:35
Total/NA	Analysis	RSK-175		88	710882	MAN	EET BUF	05/07/24 18:56
Dissolved	Prep	3005A			767620	BDE	EET CHI	05/13/24 08:55 - 05/13/24 14:55 [1]
Dissolved	Analysis	6020B		1	767998	RN	EET CHI	05/14/24 14:13

Lab Chronicle

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-249882-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Client Sample ID: MW-4
Lab Sample ID: 500-249882-4
Date Collected: 04/30/24 14:58
Matrix: Water
Date Received: 05/02/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	768268	W1T	EET CHI	05/17/24 10:02
Total/NA	Analysis	9060A		1	767664	TR	EET CHI	05/12/24 23:45

Client Sample ID: MW-32
Lab Sample ID: 500-249882-5
Date Collected: 05/01/24 12:50
Matrix: Water
Date Received: 05/02/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	767372	SW1	EET CHI	05/10/24 19:07
Total/NA	Analysis	8260D	DL	200	767556	EA	EET CHI	05/13/24 14:51
Total/NA	Analysis	RSK-175		1	710882	MAN	EET BUF	05/07/24 19:15
Total/NA	Analysis	RSK-175	DL	22	711125	MAN	EET BUF	05/08/24 10:56
Dissolved	Prep	3005A			767620	BDE	EET CHI	05/13/24 08:55 - 05/13/24 14:55 [1]
Dissolved	Analysis	6020B		1	767998	RN	EET CHI	05/14/24 14:16
Total/NA	Analysis	300.0		1	768268	W1T	EET CHI	05/17/24 10:17
Total/NA	Analysis	9060A		1	767507	TR	EET CHI	05/10/24 00:47

Client Sample ID: MW-5
Lab Sample ID: 500-249882-6
Date Collected: 05/01/24 13:41
Matrix: Water
Date Received: 05/02/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	767556	EA	EET CHI	05/13/24 12:24
Total/NA	Analysis	8260D	DL	10	767556	EA	EET CHI	05/13/24 12:49
Total/NA	Analysis	8260D	DL2	50	767765	W1T	EET CHI	05/14/24 13:59
Total/NA	Analysis	RSK-175		11	711125	MAN	EET BUF	05/08/24 11:15
Dissolved	Prep	3005A			767620	BDE	EET CHI	05/13/24 08:55 - 05/13/24 14:55 [1]
Dissolved	Analysis	6020B		1	767998	RN	EET CHI	05/14/24 14:20
Total/NA	Analysis	300.0		10	768268	W1T	EET CHI	05/17/24 10:32
Total/NA	Analysis	9060A		1	767507	TR	EET CHI	05/10/24 01:09

Client Sample ID: MW-24
Lab Sample ID: 500-249882-7
Date Collected: 05/01/24 14:19
Matrix: Water
Date Received: 05/02/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	767556	EA	EET CHI	05/13/24 13:13
Total/NA	Analysis	8260D	DL	10	767556	EA	EET CHI	05/13/24 13:38
Total/NA	Analysis	RSK-175		88	710882	MAN	EET BUF	05/07/24 19:53
Dissolved	Prep	3005A			767620	BDE	EET CHI	05/13/24 08:55 - 05/13/24 14:55 [1]
Dissolved	Analysis	6020B		1	767998	RN	EET CHI	05/14/24 14:24
Total/NA	Analysis	300.0		2	768268	W1T	EET CHI	05/17/24 10:48
Total/NA	Analysis	9060A		1	767507	TR	EET CHI	05/10/24 01:36

Lab Chronicle

Client: GZA GeoEnvironmental, Inc. Job ID: 500-249882-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Client Sample ID: DUPLICATE
Lab Sample ID: 500-249882-8
Date Collected: 05/01/24 00:00 **Matrix: Water**
Date Received: 05/02/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	767556	EA	EET CHI	05/13/24 14:02
Total/NA	Analysis	8260D	DL	20	767765	W1T	EET CHI	05/14/24 14:24

Client Sample ID: MW-29
Lab Sample ID: 500-249882-9
Date Collected: 05/01/24 14:58 **Matrix: Water**
Date Received: 05/02/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	767765	W1T	EET CHI	05/14/24 12:46
Total/NA	Analysis	RSK-175		88	710882	MAN	EET BUF	05/07/24 20:12
Dissolved	Prep	3005A			767620	BDE	EET CHI	05/13/24 08:55 - 05/13/24 14:55 [1]
Dissolved	Analysis	6020B		1	767998	RN	EET CHI	05/14/24 14:28
Total/NA	Analysis	300.0		1	768268	W1T	EET CHI	05/17/24 11:03
Total/NA	Analysis	9060A		1	767507	TR	EET CHI	05/10/24 02:02

Client Sample ID: TRIP BLANK
Lab Sample ID: 500-249882-10
Date Collected: 05/01/24 00:00 **Matrix: Water**
Date Received: 05/02/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	767556	EA	EET CHI	05/13/24 11:10

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

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

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: GZA GeoEnvironmental, Inc. Job ID: 500-249882-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-24

Laboratory: Eurofins Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998310390	08-31-24

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone 708-534-5200 Fax 708-534 5211

Chain of Custody Record

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Client Information	Sampler: C. Ainsworth	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-123460-38541 1
Client Contact: Bernard Fenelon	Phone:	E-Mail: Sandra Fredrick@et.eurofinsus com	State of Origin: WI	Page: Page 1 of 2
Company: GZA GeoEnvironmental, Inc.	PWSID:			Job #: 500-249882
Address: 17975 W Sarah Lane, Suite 100	Due Date Requested:			
City: Brookfield	TAT Requested (days): Normal			
State, Zip: WI, 53045	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 153134 30			
Email: bernard fenelon@gza com	WO #:			
Project Name: Former Gardner, Horicon	Project #: 50010928			
Site:	SSOW#:			

Analysis Requested

500-249882 COC

Preservation Codes
A HCL
D HNO3
S H2SO4
N None
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - VOCs	6020A - Diss Metals, As, Cr, Fe	9060A - TOC	RSK_175 - MEE Only	300 - Sulfate	Total Number of containers	Special Instructions/Note:
				Preservation Code:				A	D	S	A	N		
1	P-10	4/30/2024	1245	G	Water	Y		X	X	X	X	X		
2	MW-10		1310	G	Water	Y		X	X	X	X	X		
3	MW-31		1340	G	Water	Y		X	X	X	X	X		
4	MW-4		1458	G	Water	Y		X	X	X	X	X		
5	MW-32	5/1/2024	1250	G	Water	Y		X	X	X	X	X		
6	MW-5		1341	G	Water	Y		X	X	X	X	X		
7	MW-24		1419	G	Water	Y		X	X	X	X	X		
8	DUPLICATE		-	G	Water	N		X						
9	MW-29		1458	G	Water	Y		X	X	X	X	X		
10	TRIP BLANK				Water			X						
					Water									

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

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

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

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		5/1/2024 1700	GZA	FED EX		
2				Stephanie Hernandez	5/2/24 0965	EEIA
3						

Custody Seals Intact	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
Δ Yes Δ No		1.4 + 1.5

Ver: 06/08/2021

BERNARD PENELUN
GZA GEOENVIRONMENTAL, INC
17975 W SARAH LANE
SUITE 100
BROOKFIELD, WI 53045
UNITED STATES US

ACTWGT: 25.00 LB MAN
CAD: 0780307/CAFE3755

TO SAMPLE RECEIPT
EUROFINS CHICAGO
2417 BOND ST.

UNIVERSITY PARK IL 60484
(708) 534-52 0

INV:
PO:
REF:
DEPT

RMA.

FedEx Express

FedEx
TRK# 0221 7338 9115 9403

THU - 02 MAY 10:30A
PRIORITY OVERNIGHT

60484
IL-US ORD

79 JOTA

156297-435 BRRD EXP 03/25

500-249882 Waybi

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-187693.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: Wisconsin	Page: Page 1 of 1
Company: Eurofins Environment Testing Northeast,		Accreditations Required (See note): State Program - Wisconsin		Job #: 500-249882-1
Address: 10 Hazelwood Drive, ,	Due Date Requested: 5/15/2024			Preservation Codes: -
City: Amherst	TAT Requested (days):			
State, Zip: NY, 14228-2298				
Phone: 716-691-2600(Tel) 716-691-7991(Fax)	PO #:			
Email:	WO #:			Other:
Project Name: Former Gardner, Horicon - 20.0153134.30	Project #: 50010928			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	RSK_175/ Methane, Ethane, Ethene	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
P-10 (500-249882-1)	4/30/24	12:45 Central		Water			X	3	
MW-10 (500-249882-2)	4/30/24	13:10 Central		Water			X	3	
MW-31 (500-249882-3)	4/30/24	13:40 Central		Water			X	3	
MW-4 (500-249882-4)	4/30/24	14:58 Central		Water			X	3	
MW-32 (500-249882-5)	5/1/24	12:50 Central		Water			X	3	
MW-5 (500-249882-6)	5/1/24	13:41 Central		Water			X	3	
MW-24 (500-249882-7)	5/1/24	14:19 Central		Water			X	3	
MW-29 (500-249882-9)	5/1/24	14:58 Central		Water			X	3	
								3	

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: [signature]	Date/Time: 05/02/24 1555	Company: EETA	Received by: [signature]
Relinquished by:	Date/Time:	Company:	Received by:
Relinquished by:	Date/Time:	Company:	Received by:

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

Received by: [signature]	Date/Time: 05/03/24 1045	Company: EETA
Received by:	Date/Time:	Company:
Received by:	Date/Time:	Company:

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: GZA GeoEnvironmental, Inc.

Job Number: 500-249882-1

Login Number: 249882
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

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.	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	1.5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: GZA GeoEnvironmental, Inc.

Job Number: 500-249882-1

Login Number: 249882
List Number: 2
Creator: Kolb, Chris M

List Source: Eurofins Buffalo
List Creation: 05/06/24 10:59 AM

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	3.0 IR GUN #1 ICE
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	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	