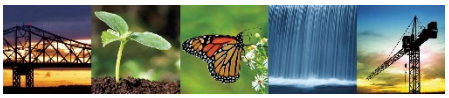

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17975 West Sarah Lane
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T: 262.754.2560
F: 262.923.7758
www.gza.com

May 3, 2024
File No. 20.0153134.30

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

Re: April 2024 Soil and 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 install monitoring wells and conduct soil and groundwater testing on your property at 146 Larabee Street in Horicon, Wisconsin in April. 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 documentation of the work conducted and the analytical results for the soil and groundwater samples recently collected from your property.

Monitoring Well Installations and Soil and Groundwater Sampling

On April 5, 2024, our drilling subcontractor, On-Site Environmental, Inc. (OSE), installed two monitoring wells (MW-31 and MW-32) on your property under the supervision of GZA. GZA had the monitoring wells installed northeast (MW-31) and south (MW-32) of your residence at the approximate locations shown in the image below.

Soil samples were collected from the surface to 40 feet in the soil boring drilled for installation of monitoring well MW-31 and from the surface to 35 feet in the soil boring drilled for installation of monitoring well MW-32. Soil samples were collected for field screening with a

photoionization detector (PID) for total volatile organic vapor and soil classification. Soil samples were selected for laboratory analyses from three depth intervals from each boring, the 0- to 10-foot, 10- to 20-foot, and 20- to 30-foot depth intervals.

Soil samples selected for laboratory analyses were preserved with methanol, placed on ice, and shipped to Eurofins/TestAmerica of University Park, Illinois for volatile organic compound (VOC) analyses in accordance with United States Environmental Protection Agency (USEPA) Method 8260B. The soil laboratory analytical report is provided in **Attachment 1**.

OSE constructed monitoring wells in each soil boring to depths of 38 and 35 feet for monitoring wells MW-31 and MW-32, respectively. GZA developed and sampled the two monitoring wells on April 8, 2024. Groundwater samples selected for laboratory analyses were preserved with hydrochloric acid, placed on ice, and shipped to Eurofins/TestAmerica for VOC analyses in accordance with USEPA Method 8260B. The groundwater laboratory analytical report is provided in **Attachment 1**.

Soil vapor probes were also installed above the water table near each monitoring well with 1-inch-diameter, 6-inch-long, 0.010-inch slot, Schedule 40 PVC screens and PVC riser pipe extended to the ground surface and finished within a flush-mount protective casing. The vapor probes were installed a few feet southwest of MW-31 and south of MW-32. GZA will use the vapor probes for monitoring shallow soil gas during planned groundwater remediation this summer.

Soil Analytical Results

Only two VOC constituents, TCE and methylene chloride (MeCl), were reported in five of the six soil samples submitted for laboratory analyses. TCE is the primary VOC being addressed at the 263 Kansas Street property.

TCE was reported at 37 micrograms per kilogram (µg/kg) in the 15- to 17.5-foot soil sample from MW-31, at 280 µg/kg in the 25- to 27.5-foot soil sample from MW-31, and at 9.2 µg/kg in the 15- to 17.5-foot soil sample from MW-32. GZA believes that the TCE reported at low concentrations in deep soil on your property originates from groundwater migrating from the 263 Kansas Street property.

MeCl was reported at 84 µg/kg in the 5- to 7.5-foot soil sample from MW-32 and at 82 µg/kg in the 22.5- to 25-foot soil sample from MW-32. VOCs were not detected in the 7.5- to 10-foot soil sample from MW-31. MeCl is a common laboratory contaminant that is frequently introduced unintentionally into soil samples at the laboratory. Because MeCl is a common laboratory contaminant and not present as a source in soil or in groundwater on the 263 Kansas Street property, it was likely introduced by the laboratory and not present in the soil samples collected from your property.

Groundwater Analytical Results

Six VOC constituents, consisting of cis-1,2-dichloroethene (cis-1,2-DCE); TCE; trans-1,2-dichloroethene (trans-1,2-DCE); chloroethane; 1,1-dichloroethene (1,1-DCE), and 1,2,3-trichloropropane (1,2,3-TCP), were detected in groundwater samples 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 in MW-31 and cis-1,2-DCE; TCE; and 1,1-DCE in MW-32 exceed the Wisconsin Administrate Code groundwater Enforcement Standard.

	cis-1,2-DCE	**TCE**	**trans-1,2-DCE**	**Chloroethane**	**1,1-DCE**	**1,2,3-TCP**
MW-31	8.4	42	<1	3.3 J	1.9	<2
MW-32	6,200	6,500	77	42	15	12

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.

Gardner has engaged GZA to conduct supplemental groundwater remediation using non-toxic vegetable oil to facilitate bioremediation by naturally-occurring microbes in groundwater to reduce concentration to below the WDNR's enforcement standards for groundwater beneath your property.

Future Sampling

As we discussed previously, GZA installed the groundwater and soil vapor monitoring wells for use in monitoring groundwater and soil gas conditions during the supplemental groundwater remediation planned for this summer for the 263 Kansas Street property. We will contact you in advance each time we plan to enter your property to sample from the wells. 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.

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 05 03 FINAL Soil and GW Sample Results 146 Larabee - Goddard.docx

Attachments: Soil and Groundwater Laboratory Analytical Report

c: Mr. Jeff Ackerman, WDNR

ATTACHMENT 1

Soil and 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 4/22/2024 8:14:13 AM Revision 1

JOB DESCRIPTION

Former Gardner, Horicon - 20.0153134.30

JOB NUMBER

500-248685-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

my EOL

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
4/22/2024 8:14:13 AM
Revision 1

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

Table of Contents

Job ID: 500-248685-1 Eurofins Chicago

Job Narrative
500-248685-1

Revision
The report being provided is a revision of the original report sent on 4/17/2024. The report (revision 1) is being revised due to: Revised to update 8260 analysis per lab.

Receipt
The samples were received on 4/9/2024 9:45 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 0.1º C.

GC/MS VOA
Method 8260D: The following sample is a trip blank which was used for matrix spike/ matrix spike duplicate. The sample was not thoroughly reviewed before relaeasing. Trip blanks are not generally used for MS/MSD.Trip Blank (500-248685-7)

Method 8260D: The method blank for analytical batch 500-762900 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; and was not detected in the associated samples, therefore re-extraction and/or re-analysis of samples was not performed.

Method 8260D: The laboratory control sample (LCS) for preparation batch 500-762341 recovered outside control limits for Bromobenzene, Bromochloromethane, and Chloromethane. This is a prepped 5035 LCS. All daily instrument LCS were acceptable, and the data have been reported. (LCS 500-762341/9-A)

Method 8260D: The method blank for analytical batch 500-762899 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 and was not detected in the associated samples; therefore, re-extraction and/or re-analysis of samples was not performed.

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

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

Detection Summary

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-248685-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Client Sample ID: MW-31 (7.5-10')
Lab Sample ID: 500-248685-1

No Detections.

Client Sample ID: MW-31 (15-17.5')
Lab Sample ID: 500-248685-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	37		25	8.3	ug/Kg	50		8260D	Total/NA

Client Sample ID: MW-31 (25-27.5')
Lab Sample ID: 500-248685-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	280		25	8.1	ug/Kg	50		8260D	Total/NA

Client Sample ID: MW-32 (5-7.5')
Lab Sample ID: 500-248685-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	84	J	250	83	ug/Kg	50		8260D	Total/NA

Client Sample ID: MW-32 (15-17.5')
Lab Sample ID: 500-248685-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	9.2	J	25	8.3	ug/Kg	50		8260D	Total/NA

Client Sample ID: MW-32 (22.5-25')
Lab Sample ID: 500-248685-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	82	J	250	81	ug/Kg	50		8260D	Total/NA

Client Sample ID: Trip Blank
Lab Sample ID: 500-248685-7

No Detections.

Client Sample ID: MW-32
Lab Sample ID: 500-248685-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	15		5.0	2.0	ug/L	5		8260D	Total/NA
1,2,3-Trichloropropane	12		10	2.1	ug/L	5		8260D	Total/NA
Chloroethane	41		25	2.5	ug/L	5		8260D	Total/NA
trans-1,2-Dichloroethene	77		5.0	1.7	ug/L	5		8260D	Total/NA
cis-1,2-Dichloroethene - DL	6200		50	20	ug/L	50		8260D	Total/NA
Trichloroethene - DL	6500		25	8.2	ug/L	50		8260D	Total/NA

Client Sample ID: MW-31
Lab Sample ID: 500-248685-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	1.9		1.0	0.39	ug/L	1		8260D	Total/NA
Chloroethane	3.3	J	5.0	0.51	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	8.4		1.0	0.41	ug/L	1		8260D	Total/NA
Trichloroethene	42		0.50	0.16	ug/L	1		8260D	Total/NA

Client Sample ID: Trip Blank
Lab Sample ID: 500-248685-10

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-248685-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
Moisture	Percent Moisture	EPA	EET CHI
5030B	Purge and Trap	SW846	EET CHI
5035	Closed System Purge and Trap	SW846	EET CHI

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Sample Summary

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-248685-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-248685-1	MW-31 (7.5-10')	Solid	04/05/24 11:35	04/09/24 09:45
500-248685-2	MW-31 (15-17.5')	Solid	04/05/24 11:40	04/09/24 09:45
500-248685-3	MW-31 (25-27.5')	Solid	04/05/24 11:50	04/09/24 09:45
500-248685-4	MW-32 (5-7.5')	Solid	04/05/24 12:45	04/09/24 09:45
500-248685-5	MW-32 (15-17.5')	Solid	04/05/24 12:55	04/09/24 09:45
500-248685-6	MW-32 (22.5-25')	Solid	04/05/24 13:00	04/09/24 09:45
500-248685-7	Trip Blank	Solid	04/05/24 00:00	04/09/24 09:45
500-248685-8	MW-32	Water	04/08/24 13:08	04/09/24 09:45
500-248685-9	MW-31	Water	04/08/24 13:26	04/09/24 09:45
500-248685-10	Trip Blank	Water	04/08/24 00:00	04/09/24 09:45

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-248685-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Client Sample ID: MW-31 (7.5-10')
Lab Sample ID: 500-248685-1
Date Collected: 04/05/24 11:35
Matrix: Solid
Date Received: 04/09/24 09:45

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	<23		50	23	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
1,1,1-Trichloroethane	<19		50	19	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
1,1,2,2-Tetrachloroethane	<20		50	20	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
1,1,2-Trichloroethane	<18		50	18	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
1,1-Dichloroethane	<21		50	21	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
1,1-Dichloroethene	<20		50	20	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
1,1-Dichloropropene	<15		50	15	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
1,2,3-Trichlorobenzene	<23		50	23	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
1,2,3-Trichloropropane	<21		100	21	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
1,2,4-Trichlorobenzene	<17		50	17	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
1,2,4-Trimethylbenzene	<18		50	18	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
1,2-Dibromo-3-Chloropropane	<100		250	100	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
1,2-Dibromoethane (EDB)	<19		50	19	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
1,2-Dichlorobenzene	<17		50	17	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
1,2-Dichloroethane	<20		50	20	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
1,2-Dichloropropane	<21		50	21	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
1,3,5-Trimethylbenzene	<19		50	19	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
1,3-Dichlorobenzene	<20		50	20	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
1,3-Dichloropropane	<18		50	18	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
1,4-Dichlorobenzene	<18		50	18	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
2,2-Dichloropropane	<22		250	22	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
2-Chlorotoluene	<16		50	16	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
4-Chlorotoluene	<18		50	18	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
Benzene	<7.3		13	7.3	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
Bromobenzene	<18		50	18	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
Bromochloromethane	<21		50	21	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
Bromodichloromethane	<19		50	19	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
Bromoform	<24		50	24	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
Bromomethane	<40		150	40	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
Carbon tetrachloride	<19		50	19	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
Chlorobenzene	<19		50	19	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
Chloroethane	<25		250	25	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
Chloroform	<19		100	19	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
Chloromethane	<16		250	16	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
cis-1,2-Dichloroethene	<20		50	20	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
cis-1,3-Dichloropropene	<21		50	21	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
Dibromochloromethane	<24		50	24	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
Dibromomethane	<14		50	14	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
Dichlorodifluoromethane	<34		150	34	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
Ethylbenzene	<9.2		13	9.2	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
Hexachlorobutadiene	<22		50	22	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
Isopropyl ether	<14		50	14	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
Isopropylbenzene	<19		50	19	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
Methyl tert-butyl ether	<20		50	20	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
Methylene Chloride	<82		250	82	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
Naphthalene	<17		50	17	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
n-Butylbenzene	<19		50	19	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
N-Propylbenzene	<21		50	21	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
p-Isopropyltoluene	<18		50	18	ug/Kg		04/05/24 11:35	04/12/24 19:44	50

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-248685-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Client Sample ID: MW-31 (7.5-10')
Lab Sample ID: 500-248685-1
Date Collected: 04/05/24 11:35
Matrix: Solid
Date Received: 04/09/24 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<20		50	20	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
Styrene	<19		50	19	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
tert-Butylbenzene	<20		50	20	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
Tetrachloroethene	<19		50	19	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
Toluene	<7.4		13	7.4	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
trans-1,2-Dichloroethene	<18		50	18	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
trans-1,3-Dichloropropene	<18		50	18	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
Trichloroethene	<8.2		25	8.2	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
Trichlorofluoromethane	<21		50	21	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
Vinyl chloride	<13		50	13	ug/Kg		04/05/24 11:35	04/12/24 19:44	50
Xylenes, Total	<11		25	11	ug/Kg		04/05/24 11:35	04/12/24 19:44	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 126*	*04/05/24 11:35*	*04/12/24 19:44*	*50*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*	*04/05/24 11:35*	*04/12/24 19:44*	*50*
Dibromofluoromethane	*111*		*75 - 120*	*04/05/24 11:35*	*04/12/24 19:44*	*50*
Toluene-d8 (Surr)	*99*		*75 - 120*	*04/05/24 11:35*	*04/12/24 19:44*	*50*

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-248685-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Client Sample ID: MW-31 (15-17.5')
Lab Sample ID: 500-248685-2
Date Collected: 04/05/24 11:40
Matrix: Solid
Date Received: 04/09/24 09:45

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	<23		50	23	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
1,1,1-Trichloroethane	<19		50	19	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
1,1,2,2-Tetrachloroethane	<20		50	20	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
1,1,2-Trichloroethane	<18		50	18	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
1,1-Dichloroethane	<21		50	21	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
1,1-Dichloroethene	<20		50	20	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
1,1-Dichloropropene	<15		50	15	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
1,2,3-Trichlorobenzene	<23		50	23	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
1,2,3-Trichloropropane	<21		100	21	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
1,2,4-Trichlorobenzene	<17		50	17	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
1,2,4-Trimethylbenzene	<18		50	18	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
1,2-Dibromo-3-Chloropropane	<100		250	100	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
1,2-Dibromoethane (EDB)	<19		50	19	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
1,2-Dichlorobenzene	<17		50	17	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
1,2-Dichloroethane	<20		50	20	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
1,2-Dichloropropane	<22		50	22	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
1,3,5-Trimethylbenzene	<19		50	19	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
1,3-Dichlorobenzene	<20		50	20	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
1,3-Dichloropropane	<18		50	18	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
1,4-Dichlorobenzene	<18		50	18	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
2,2-Dichloropropane	<22		250	22	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
2-Chlorotoluene	<16		50	16	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
4-Chlorotoluene	<18		50	18	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
Benzene	<7.4		13	7.4	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
Bromobenzene	<18		50	18	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
Bromochloromethane	<22		50	22	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
Bromodichloromethane	<19		50	19	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
Bromoform	<24		50	24	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
Bromomethane	<40		150	40	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
Carbon tetrachloride	<19		50	19	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
Chlorobenzene	<19		50	19	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
Chloroethane	<25		250	25	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
Chloroform	<19		100	19	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
Chloromethane	<16		250	16	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
cis-1,2-Dichloroethene	<21		50	21	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
cis-1,3-Dichloropropene	<21		50	21	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
Dibromochloromethane	<25		50	25	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
Dibromomethane	<14		50	14	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
Dichlorodifluoromethane	<34		150	34	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
Ethylbenzene	<9.2		13	9.2	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
Hexachlorobutadiene	<23		50	23	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
Isopropyl ether	<14		50	14	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
Isopropylbenzene	<19		50	19	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
Methyl tert-butyl ether	<20		50	20	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
Methylene Chloride	<82		250	82	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
Naphthalene	<17		50	17	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
n-Butylbenzene	<20		50	20	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
N-Propylbenzene	<21		50	21	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
p-Isopropyltoluene	<18		50	18	ug/Kg		04/05/24 11:40	04/12/24 20:08	50

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-248685-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Client Sample ID: MW-31 (15-17.5')
Lab Sample ID: 500-248685-2
Date Collected: 04/05/24 11:40
Matrix: Solid
Date Received: 04/09/24 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<20		50	20	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
Styrene	<19		50	19	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
tert-Butylbenzene	<20		50	20	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
Tetrachloroethene	<19		50	19	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
Toluene	<7.4		13	7.4	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
trans-1,2-Dichloroethene	<18		50	18	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
trans-1,3-Dichloropropene	<18		50	18	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
Trichloroethene	**37**		25	8.3	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
Trichlorofluoromethane	<22		50	22	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
Vinyl chloride	<13		50	13	ug/Kg		04/05/24 11:40	04/12/24 20:08	50
Xylenes, Total	<11		25	11	ug/Kg		04/05/24 11:40	04/12/24 20:08	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*	*04/05/24 11:40*	*04/12/24 20:08*	*50*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*	*04/05/24 11:40*	*04/12/24 20:08*	*50*
Dibromofluoromethane	*109*		*75 - 120*	*04/05/24 11:40*	*04/12/24 20:08*	*50*
Toluene-d8 (Surr)	*99*		*75 - 120*	*04/05/24 11:40*	*04/12/24 20:08*	*50*

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-248685-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Client Sample ID: MW-31 (25-27.5')
Date Collected: 04/05/24 11:50
Date Received: 04/09/24 09:45

Lab Sample ID: 500-248685-3
Matrix: Solid

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	<23		49	23	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
1,1,1-Trichloroethane	<19		49	19	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
1,1,2,2-Tetrachloroethane	<20		49	20	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
1,1,2-Trichloroethane	<17		49	17	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
1,1-Dichloroethane	<20		49	20	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
1,1-Dichloroethene	<19		49	19	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
1,1-Dichloropropene	<15		49	15	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
1,2,3-Trichlorobenzene	<23		49	23	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
1,2,3-Trichloropropane	<20		99	20	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
1,2,4-Trichlorobenzene	<17		49	17	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
1,2,4-Trimethylbenzene	<18		49	18	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
1,2-Dibromo-3-Chloropropane	<98		250	98	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
1,2-Dibromoethane (EDB)	<19		49	19	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
1,2-Dichlorobenzene	<17		49	17	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
1,2-Dichloroethane	<19		49	19	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
1,2-Dichloropropane	<21		49	21	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
1,3,5-Trimethylbenzene	<19		49	19	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
1,3-Dichlorobenzene	<20		49	20	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
1,3-Dichloropropane	<18		49	18	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
1,4-Dichlorobenzene	<18		49	18	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
2,2-Dichloropropane	<22		250	22	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
2-Chlorotoluene	<16		49	16	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
4-Chlorotoluene	<17		49	17	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
Benzene	<7.2		12	7.2	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
Bromobenzene	<18		49	18	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
Bromochloromethane	<21		49	21	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
Bromodichloromethane	<18		49	18	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
Bromoform	<24		49	24	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
Bromomethane	<39		150	39	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
Carbon tetrachloride	<19		49	19	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
Chlorobenzene	<19		49	19	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
Chloroethane	<25		250	25	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
Chloroform	<18		99	18	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
Chloromethane	<16		250	16	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
cis-1,2-Dichloroethene	<20		49	20	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
cis-1,3-Dichloropropene	<21		49	21	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
Dibromochloromethane	<24		49	24	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
Dibromomethane	<13		49	13	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
Dichlorodifluoromethane	<33		150	33	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
Ethylbenzene	<9.0		12	9.0	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
Hexachlorobutadiene	<22		49	22	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
Isopropyl ether	<14		49	14	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
Isopropylbenzene	<19		49	19	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
Methyl tert-butyl ether	<19		49	19	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
Methylene Chloride	<81		250	81	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
Naphthalene	<17		49	17	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
n-Butylbenzene	<19		49	19	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
N-Propylbenzene	<20		49	20	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
p-Isopropyltoluene	<18		49	18	ug/Kg		04/05/24 11:50	04/12/24 20:33	50

Client Sample ID: MW-31 (25-27.5')
Lab Sample ID: 500-248685-3

Date Collected: 04/05/24 11:50
Matrix: Solid
Date Received: 04/09/24 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<20		49	20	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
Styrene	<19		49	19	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
tert-Butylbenzene	<20		49	20	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
Tetrachloroethene	<18		49	18	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
Toluene	<7.3		12	7.3	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
trans-1,2-Dichloroethene	<17		49	17	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
trans-1,3-Dichloropropene	<18		49	18	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
Trichloroethene	**280**		25	8.1	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
Trichlorofluoromethane	<21		49	21	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
Vinyl chloride	<13		49	13	ug/Kg		04/05/24 11:50	04/12/24 20:33	50
Xylenes, Total	<11		25	11	ug/Kg		04/05/24 11:50	04/12/24 20:33	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*75 - 126*	*04/05/24 11:50*	*04/12/24 20:33*	*50*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*	*04/05/24 11:50*	*04/12/24 20:33*	*50*
Dibromofluoromethane	*108*		*75 - 120*	*04/05/24 11:50*	*04/12/24 20:33*	*50*
Toluene-d8 (Surr)	*100*		*75 - 120*	*04/05/24 11:50*	*04/12/24 20:33*	*50*

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-248685-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Client Sample ID: MW-32 (5-7.5')
Lab Sample ID: 500-248685-4
Date Collected: 04/05/24 12:45
Matrix: Solid
Date Received: 04/09/24 09:45

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	<23		51	23	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
1,1,1-Trichloroethane	<19		51	19	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
1,1,2,2-Tetrachloroethane	<20		51	20	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
1,1,2-Trichloroethane	<18		51	18	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
1,1-Dichloroethane	<21		51	21	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
1,1-Dichloroethene	<20		51	20	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
1,1-Dichloropropene	<15		51	15	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
1,2,3-Trichlorobenzene	<23		51	23	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
1,2,3-Trichloropropane	<21		100	21	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
1,2,4-Trichlorobenzene	<17		51	17	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
1,2,4-Trimethylbenzene	<18		51	18	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
1,2-Dibromo-3-Chloropropane	<100		250	100	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
1,2-Dibromoethane (EDB)	<20		51	20	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
1,2-Dichlorobenzene	<17		51	17	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
1,2-Dichloroethane	<20		51	20	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
1,2-Dichloropropane	<22		51	22	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
1,3,5-Trimethylbenzene	<19		51	19	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
1,3-Dichlorobenzene	<20		51	20	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
1,3-Dichloropropane	<18		51	18	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
1,4-Dichlorobenzene	<18		51	18	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
2,2-Dichloropropane	<23		250	23	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
2-Chlorotoluene	<16		51	16	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
4-Chlorotoluene	<18		51	18	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
Benzene	<7.4		13	7.4	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
Bromobenzene	<18		51	18	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
Bromochloromethane	<22		51	22	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
Bromodichloromethane	<19		51	19	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
Bromoform	<25		51	25	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
Bromomethane	<40		150	40	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
Carbon tetrachloride	<19		51	19	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
Chlorobenzene	<20		51	20	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
Chloroethane	<26		250	26	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
Chloroform	<19		100	19	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
Chloromethane	<16		250	16	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
cis-1,2-Dichloroethene	<21		51	21	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
cis-1,3-Dichloropropene	<21		51	21	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
Dibromochloromethane	<25		51	25	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
Dibromomethane	<14		51	14	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
Dichlorodifluoromethane	<34		150	34	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
Ethylbenzene	<9.3		13	9.3	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
Hexachlorobutadiene	<23		51	23	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
Isopropyl ether	<14		51	14	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
Isopropylbenzene	<19		51	19	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
Methyl tert-butyl ether	<20		51	20	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
Methylene Chloride	**84**	**J**	250	83	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
Naphthalene	<17		51	17	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
n-Butylbenzene	<20		51	20	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
N-Propylbenzene	<21		51	21	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
p-Isopropyltoluene	<18		51	18	ug/Kg		04/05/24 12:45	04/12/24 20:57	50

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-248685-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Client Sample ID: MW-32 (5-7.5')
Lab Sample ID: 500-248685-4
Date Collected: 04/05/24 12:45
Matrix: Solid
Date Received: 04/09/24 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<20		51	20	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
Styrene	<20		51	20	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
tert-Butylbenzene	<20		51	20	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
Tetrachloroethene	<19		51	19	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
Toluene	<7.5		13	7.5	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
trans-1,2-Dichloroethene	<18		51	18	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
trans-1,3-Dichloropropene	<18		51	18	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
Trichloroethene	<8.3		25	8.3	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
Trichlorofluoromethane	<22		51	22	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
Vinyl chloride	<13		51	13	ug/Kg		04/05/24 12:45	04/12/24 20:57	50
Xylenes, Total	<11		25	11	ug/Kg		04/05/24 12:45	04/12/24 20:57	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*	*04/05/24 12:45*	*04/12/24 20:57*	*50*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*	*04/05/24 12:45*	*04/12/24 20:57*	*50*
Dibromofluoromethane	*108*		*75 - 120*	*04/05/24 12:45*	*04/12/24 20:57*	*50*
Toluene-d8 (Surr)	*101*		*75 - 120*	*04/05/24 12:45*	*04/12/24 20:57*	*50*

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-248685-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Client Sample ID: MW-32 (15-17.5')
Lab Sample ID: 500-248685-5
Date Collected: 04/05/24 12:55
Matrix: Solid
Date Received: 04/09/24 09:45

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	<23		51	23	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
1,1,1-Trichloroethane	<19		51	19	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
1,1,2,2-Tetrachloroethane	<20		51	20	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
1,1,2-Trichloroethane	<18		51	18	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
1,1-Dichloroethane	<21		51	21	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
1,1-Dichloroethene	<20		51	20	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
1,1-Dichloropropene	<15		51	15	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
1,2,3-Trichlorobenzene	<23		51	23	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
1,2,3-Trichloropropane	<21		100	21	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
1,2,4-Trichlorobenzene	<17		51	17	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
1,2,4-Trimethylbenzene	<18		51	18	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
1,2-Dibromo-3-Chloropropane	<100		250	100	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
1,2-Dibromoethane (EDB)	<20		51	20	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
1,2-Dichlorobenzene	<17		51	17	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
1,2-Dichloroethane	<20		51	20	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
1,2-Dichloropropane	<22		51	22	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
1,3,5-Trimethylbenzene	<19		51	19	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
1,3-Dichlorobenzene	<20		51	20	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
1,3-Dichloropropane	<18		51	18	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
1,4-Dichlorobenzene	<18		51	18	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
2,2-Dichloropropane	<23		250	23	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
2-Chlorotoluene	<16		51	16	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
4-Chlorotoluene	<18		51	18	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
Benzene	<7.4		13	7.4	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
Bromobenzene	<18		51	18	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
Bromochloromethane	<22		51	22	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
Bromodichloromethane	<19		51	19	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
Bromoform	<25		51	25	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
Bromomethane	<40		150	40	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
Carbon tetrachloride	<19		51	19	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
Chlorobenzene	<20		51	20	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
Chloroethane	<26		250	26	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
Chloroform	<19		100	19	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
Chloromethane	<16		250	16	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
cis-1,2-Dichloroethene	<21		51	21	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
cis-1,3-Dichloropropene	<21		51	21	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
Dibromochloromethane	<25		51	25	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
Dibromomethane	<14		51	14	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
Dichlorodifluoromethane	<34		150	34	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
Ethylbenzene	<9.3		13	9.3	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
Hexachlorobutadiene	<23		51	23	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
Isopropyl ether	<14		51	14	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
Isopropylbenzene	<19		51	19	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
Methyl tert-butyl ether	<20		51	20	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
Methylene Chloride	<83		250	83	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
Naphthalene	<17		51	17	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
n-Butylbenzene	<20		51	20	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
N-Propylbenzene	<21		51	21	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
p-Isopropyltoluene	<18		51	18	ug/Kg		04/05/24 12:55	04/12/24 21:22	50

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-248685-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Client Sample ID: MW-32 (15-17.5')
Lab Sample ID: 500-248685-5
Date Collected: 04/05/24 12:55
Matrix: Solid
Date Received: 04/09/24 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<20		51	20	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
Styrene	<20		51	20	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
tert-Butylbenzene	<20		51	20	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
Tetrachloroethene	<19		51	19	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
Toluene	<7.5		13	7.5	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
trans-1,2-Dichloroethene	<18		51	18	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
trans-1,3-Dichloropropene	<18		51	18	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
Trichloroethene	**9.2**	**J**	25	8.3	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
Trichlorofluoromethane	<22		51	22	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
Vinyl chloride	<13		51	13	ug/Kg		04/05/24 12:55	04/12/24 21:22	50
Xylenes, Total	<11		25	11	ug/Kg		04/05/24 12:55	04/12/24 21:22	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*	*04/05/24 12:55*	*04/12/24 21:22*	*50*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*	*04/05/24 12:55*	*04/12/24 21:22*	*50*
Dibromofluoromethane	*107*		*75 - 120*	*04/05/24 12:55*	*04/12/24 21:22*	*50*
Toluene-d8 (Surr)	*102*		*75 - 120*	*04/05/24 12:55*	*04/12/24 21:22*	*50*

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-248685-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Client Sample ID: MW-32 (22.5-25')
Lab Sample ID: 500-248685-6
Date Collected: 04/05/24 13:00
Matrix: Solid
Date Received: 04/09/24 09:45

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	<23		50	23	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
1,1,1-Trichloroethane	<19		50	19	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
1,1,2,2-Tetrachloroethane	<20		50	20	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
1,1,2-Trichloroethane	<18		50	18	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
1,1-Dichloroethane	<20		50	20	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
1,1-Dichloroethene	<19		50	19	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
1,1-Dichloropropene	<15		50	15	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
1,2,3-Trichlorobenzene	<23		50	23	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
1,2,3-Trichloropropane	<21		100	21	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
1,2,4-Trichlorobenzene	<17		50	17	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
1,2,4-Trimethylbenzene	<18		50	18	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
1,2-Dibromo-3-Chloropropane	<99		250	99	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
1,2-Dibromoethane (EDB)	<19		50	19	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
1,2-Dichlorobenzene	<17		50	17	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
1,2-Dichloroethane	<20		50	20	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
1,2-Dichloropropane	<21		50	21	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
1,3,5-Trimethylbenzene	<19		50	19	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
1,3-Dichlorobenzene	<20		50	20	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
1,3-Dichloropropane	<18		50	18	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
1,4-Dichlorobenzene	<18		50	18	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
2,2-Dichloropropane	<22		250	22	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
2-Chlorotoluene	<16		50	16	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
4-Chlorotoluene	<17		50	17	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
Benzene	<7.3		12	7.3	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
Bromobenzene	<18		50	18	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
Bromochloromethane	<21		50	21	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
Bromodichloromethane	<19		50	19	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
Bromoform	<24		50	24	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
Bromomethane	<40		150	40	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
Carbon tetrachloride	<19		50	19	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
Chlorobenzene	<19		50	19	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
Chloroethane	<25		250	25	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
Chloroform	<18		100	18	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
Chloromethane	<16		250	16	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
cis-1,2-Dichloroethene	<20		50	20	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
cis-1,3-Dichloropropene	<21		50	21	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
Dibromochloromethane	<24		50	24	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
Dibromomethane	<13		50	13	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
Dichlorodifluoromethane	<34		150	34	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
Ethylbenzene	<9.1		12	9.1	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
Hexachlorobutadiene	<22		50	22	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
Isopropyl ether	<14		50	14	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
Isopropylbenzene	<19		50	19	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
Methyl tert-butyl ether	<20		50	20	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
Methylene Chloride	**82**	**J**	250	81	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
Naphthalene	<17		50	17	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
n-Butylbenzene	<19		50	19	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
N-Propylbenzene	<21		50	21	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
p-Isopropyltoluene	<18		50	18	ug/Kg		04/05/24 13:00	04/12/24 21:46	50

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-248685-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Client Sample ID: MW-32 (22.5-25')
Lab Sample ID: 500-248685-6
Date Collected: 04/05/24 13:00
Matrix: Solid
Date Received: 04/09/24 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<20		50	20	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
Styrene	<19		50	19	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
tert-Butylbenzene	<20		50	20	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
Tetrachloroethene	<18		50	18	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
Toluene	<7.3		12	7.3	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
trans-1,2-Dichloroethene	<17		50	17	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
trans-1,3-Dichloropropene	<18		50	18	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
Trichloroethene	<8.2		25	8.2	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
Trichlorofluoromethane	<21		50	21	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
Vinyl chloride	<13		50	13	ug/Kg		04/05/24 13:00	04/12/24 21:46	50
Xylenes, Total	<11		25	11	ug/Kg		04/05/24 13:00	04/12/24 21:46	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*	*04/05/24 13:00*	*04/12/24 21:46*	*50*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*	*04/05/24 13:00*	*04/12/24 21:46*	*50*
Dibromofluoromethane	*106*		*75 - 120*	*04/05/24 13:00*	*04/12/24 21:46*	*50*
Toluene-d8 (Surr)	*102*		*75 - 120*	*04/05/24 13:00*	*04/12/24 21:46*	*50*

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-248685-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Client Sample ID: Trip Blank
Lab Sample ID: 500-248685-7

Date Collected: 04/05/24 00:00
Matrix: Solid

Date Received: 04/09/24 09:45

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	<23		50	23	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
1,1,1-Trichloroethane	<19		50	19	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
1,1,2,2-Tetrachloroethane	<20		50	20	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
1,1,2-Trichloroethane	<18		50	18	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
1,1-Dichloroethane	<21		50	21	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
1,1-Dichloroethene	<20		50	20	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
1,1-Dichloropropene	<15		50	15	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
1,2,3-Trichlorobenzene	<23		50	23	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
1,2,3-Trichloropropane	<21		100	21	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
1,2,4-Trichlorobenzene	<17		50	17	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
1,2,4-Trimethylbenzene	<18		50	18	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
1,2-Dibromo-3-Chloropropane	<100		250	100	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
1,2-Dibromoethane (EDB)	<19		50	19	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
1,2-Dichlorobenzene	<17		50	17	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
1,2-Dichloroethane	<20		50	20	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
1,2-Dichloropropane	<21		50	21	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
1,3,5-Trimethylbenzene	<19		50	19	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
1,3-Dichlorobenzene	<20		50	20	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
1,3-Dichloropropane	<18		50	18	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
1,4-Dichlorobenzene	<18		50	18	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
2,2-Dichloropropane	<22		250	22	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
2-Chlorotoluene	<16		50	16	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
4-Chlorotoluene	<18		50	18	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
Benzene	<7.3		13	7.3	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
Bromobenzene	<18		50	18	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
Bromochloromethane	<21		50	21	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
Bromodichloromethane	<19		50	19	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
Bromoform	<24		50	24	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
Bromomethane	<40		150	40	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
Carbon tetrachloride	<19		50	19	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
Chlorobenzene	<19		50	19	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
Chloroethane	<25		250	25	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
Chloroform	<19		100	19	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
Chloromethane	<16		250	16	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
cis-1,2-Dichloroethene	<20		50	20	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
cis-1,3-Dichloropropene	<21		50	21	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
Dibromochloromethane	<24		50	24	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
Dibromomethane	<14		50	14	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
Dichlorodifluoromethane	<34		150	34	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
Ethylbenzene	<9.2		13	9.2	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
Hexachlorobutadiene	<22		50	22	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
Isopropyl ether	<14		50	14	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
Isopropylbenzene	<19		50	19	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
Methyl tert-butyl ether	<20		50	20	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
Methylene Chloride	<82		250	82	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
Naphthalene	<17		50	17	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
n-Butylbenzene	<19		50	19	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
N-Propylbenzene	<21		50	21	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
p-Isopropyltoluene	<18		50	18	ug/Kg		04/05/24 00:00	04/12/24 22:11	50

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-248685-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Client Sample ID: Trip Blank
Lab Sample ID: 500-248685-7
Date Collected: 04/05/24 00:00
Matrix: Solid
Date Received: 04/09/24 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<20		50	20	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
Styrene	<19		50	19	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
tert-Butylbenzene	<20		50	20	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
Tetrachloroethene	<19		50	19	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
Toluene	<7.4		13	7.4	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
trans-1,2-Dichloroethene	<18		50	18	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
trans-1,3-Dichloropropene	<18		50	18	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
Trichloroethene	<8.2		25	8.2	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
Trichlorofluoromethane	<21		50	21	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
Vinyl chloride	<13		50	13	ug/Kg		04/05/24 00:00	04/12/24 22:11	50
Xylenes, Total	<11		25	11	ug/Kg		04/05/24 00:00	04/12/24 22:11	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 126*	*04/05/24 00:00*	*04/12/24 22:11*	*50*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*	*04/05/24 00:00*	*04/12/24 22:11*	*50*
Dibromofluoromethane	*105*		*75 - 120*	*04/05/24 00:00*	*04/12/24 22:11*	*50*
Toluene-d8 (Surr)	*103*		*75 - 120*	*04/05/24 00:00*	*04/12/24 22:11*	*50*

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-248685-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Client Sample ID: MW-32
Date Collected: 04/08/24 13:08
Date Received: 04/09/24 09:45

Lab Sample ID: 500-248685-8
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	<2.3		5.0	2.3	ug/L			04/12/24 16:28	5
1,1,1-Trichloroethane	<1.9		5.0	1.9	ug/L			04/12/24 16:28	5
1,1,2,2-Tetrachloroethane	<2.0		5.0	2.0	ug/L			04/12/24 16:28	5
1,1,2-Trichloroethane	<1.8		5.0	1.8	ug/L			04/12/24 16:28	5
1,1-Dichloroethane	<2.1		5.0	2.1	ug/L			04/12/24 16:28	5
1,1-Dichloroethene	**15**		5.0	2.0	ug/L			04/12/24 16:28	5
1,1-Dichloropropene	<1.5		5.0	1.5	ug/L			04/12/24 16:28	5
1,2,3-Trichlorobenzene	<2.3		5.0	2.3	ug/L			04/12/24 16:28	5
1,2,3-Trichloropropane	**12**		10	2.1	ug/L			04/12/24 16:28	5
1,2,4-Trichlorobenzene	<1.7		5.0	1.7	ug/L			04/12/24 16:28	5
1,2,4-Trimethylbenzene	<1.8		5.0	1.8	ug/L			04/12/24 16:28	5
1,2-Dibromo-3-Chloropropane	<10		25	10	ug/L			04/12/24 16:28	5
1,2-Dibromoethane (EDB)	<1.9		5.0	1.9	ug/L			04/12/24 16:28	5
1,2-Dichlorobenzene	<1.7		5.0	1.7	ug/L			04/12/24 16:28	5
1,2-Dichloroethane	<2.0		5.0	2.0	ug/L			04/12/24 16:28	5
1,2-Dichloropropane	<2.1		5.0	2.1	ug/L			04/12/24 16:28	5
1,3,5-Trimethylbenzene	<1.3		5.0	1.3	ug/L			04/12/24 16:28	5
1,3-Dichlorobenzene	<2.0		5.0	2.0	ug/L			04/12/24 16:28	5
1,3-Dichloropropane	<1.8		5.0	1.8	ug/L			04/12/24 16:28	5
1,4-Dichlorobenzene	<1.8		5.0	1.8	ug/L			04/12/24 16:28	5
2,2-Dichloropropane	<2.2		25	2.2	ug/L			04/12/24 16:28	5
2-Chlorotoluene	<1.6		5.0	1.6	ug/L			04/12/24 16:28	5
4-Chlorotoluene	<1.7		5.0	1.7	ug/L			04/12/24 16:28	5
Benzene	<0.73		2.5	0.73	ug/L			04/12/24 16:28	5
Bromobenzene	<1.8		5.0	1.8	ug/L			04/12/24 16:28	5
Bromochloromethane	<2.1		5.0	2.1	ug/L			04/12/24 16:28	5
Bromodichloromethane	<1.9		5.0	1.9	ug/L			04/12/24 16:28	5
Bromoform	<2.4		5.0	2.4	ug/L			04/12/24 16:28	5
Bromomethane	<4.0		15	4.0	ug/L			04/12/24 16:28	5
Carbon tetrachloride	<1.9		5.0	1.9	ug/L			04/12/24 16:28	5
Chlorobenzene	<1.9		5.0	1.9	ug/L			04/12/24 16:28	5
Chloroethane	**41**		25	2.5	ug/L			04/12/24 16:28	5
Chloroform	<1.9		10	1.9	ug/L			04/12/24 16:28	5
Chloromethane	<1.6		25	1.6	ug/L			04/12/24 16:28	5
cis-1,3-Dichloropropene	<2.1		5.0	2.1	ug/L			04/12/24 16:28	5
Dibromochloromethane	<2.4		5.0	2.4	ug/L			04/12/24 16:28	5
Dibromomethane	<1.4		5.0	1.4	ug/L			04/12/24 16:28	5
Dichlorodifluoromethane	<3.4		15	3.4	ug/L			04/12/24 16:28	5
Ethylbenzene	<0.92		2.5	0.92	ug/L			04/12/24 16:28	5
Hexachlorobutadiene	<2.2		5.0	2.2	ug/L			04/12/24 16:28	5
Isopropyl ether	<1.4		5.0	1.4	ug/L			04/12/24 16:28	5
Isopropylbenzene	<1.9		5.0	1.9	ug/L			04/12/24 16:28	5
Methyl tert-butyl ether	<2.0		5.0	2.0	ug/L			04/12/24 16:28	5
Methylene Chloride	<8.2		25	8.2	ug/L			04/12/24 16:28	5
Naphthalene	<1.7		5.0	1.7	ug/L			04/12/24 16:28	5
n-Butylbenzene	<1.9		5.0	1.9	ug/L			04/12/24 16:28	5
N-Propylbenzene	<2.1		5.0	2.1	ug/L			04/12/24 16:28	5
p-Isopropyltoluene	<1.8		5.0	1.8	ug/L			04/12/24 16:28	5
sec-Butylbenzene	<2.0		5.0	2.0	ug/L			04/12/24 16:28	5

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-248685-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Client Sample ID: MW-32
Lab Sample ID: 500-248685-8
Date Collected: 04/08/24 13:08
Matrix: Water
Date Received: 04/09/24 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<1.9		5.0	1.9	ug/L			04/12/24 16:28	5
tert-Butylbenzene	<2.0		5.0	2.0	ug/L			04/12/24 16:28	5
Tetrachloroethene	<1.9		5.0	1.9	ug/L			04/12/24 16:28	5
Toluene	<0.76		2.5	0.76	ug/L			04/12/24 16:28	5
trans-1,2-Dichloroethene	**77**		5.0	1.7	ug/L			04/12/24 16:28	5
trans-1,3-Dichloropropene	<1.8		5.0	1.8	ug/L			04/12/24 16:28	5
Trichlorofluoromethane	<2.1		5.0	2.1	ug/L			04/12/24 16:28	5
Vinyl chloride	<1.0		5.0	1.0	ug/L			04/12/24 16:28	5
Xylenes, Total	<1.1		5.0	1.1	ug/L			04/12/24 16:28	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*75 - 126*		*04/12/24 16:28*	*5*
4-Bromofluorobenzene (Surr)	*105*		*72 - 124*		*04/12/24 16:28*	*5*
Dibromofluoromethane	*112*		*75 - 120*		*04/12/24 16:28*	*5*
Toluene-d8 (Surr)	*98*		*75 - 120*		*04/12/24 16:28*	*5*

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	**6200**		50	20	ug/L			04/12/24 16:53	50
Trichloroethene	**6500**		25	8.2	ug/L			04/12/24 16:53	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 126*		*04/12/24 16:53*	*50*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*		*04/12/24 16:53*	*50*
Dibromofluoromethane	*112*		*75 - 120*		*04/12/24 16:53*	*50*
Toluene-d8 (Surr)	*101*		*75 - 120*		*04/12/24 16:53*	*50*

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-248685-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Client Sample ID: MW-31
Date Collected: 04/08/24 13:26
Date Received: 04/09/24 09:45

Lab Sample ID: 500-248685-9
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	<0.46		1.0	0.46	ug/L			04/12/24 16:04	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/12/24 16:04	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/12/24 16:04	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/12/24 16:04	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/12/24 16:04	1
1,1-Dichloroethene	**1.9**		1.0	0.39	ug/L			04/12/24 16:04	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/12/24 16:04	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/12/24 16:04	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/12/24 16:04	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/12/24 16:04	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/12/24 16:04	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/12/24 16:04	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			04/12/24 16:04	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/12/24 16:04	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/12/24 16:04	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/12/24 16:04	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/12/24 16:04	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/12/24 16:04	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/12/24 16:04	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/12/24 16:04	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			04/12/24 16:04	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/12/24 16:04	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/12/24 16:04	1
Benzene	<0.15		0.50	0.15	ug/L			04/12/24 16:04	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/12/24 16:04	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/12/24 16:04	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/12/24 16:04	1
Bromoform	<0.48		1.0	0.48	ug/L			04/12/24 16:04	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/12/24 16:04	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/12/24 16:04	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/12/24 16:04	1
Chloroethane	**3.3**	**J**	5.0	0.51	ug/L			04/12/24 16:04	1
Chloroform	<0.37		2.0	0.37	ug/L			04/12/24 16:04	1
Chloromethane	<0.32		5.0	0.32	ug/L			04/12/24 16:04	1
cis-1,2-Dichloroethene	**8.4**		1.0	0.41	ug/L			04/12/24 16:04	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/12/24 16:04	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/12/24 16:04	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/12/24 16:04	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/12/24 16:04	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/12/24 16:04	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/12/24 16:04	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/12/24 16:04	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/12/24 16:04	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/12/24 16:04	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/12/24 16:04	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/12/24 16:04	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/12/24 16:04	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/12/24 16:04	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/12/24 16:04	1

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-248685-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Client Sample ID: MW-31
Lab Sample ID: 500-248685-9
Date Collected: 04/08/24 13:26
Matrix: Water
Date Received: 04/09/24 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/12/24 16:04	1
Styrene	<0.39		1.0	0.39	ug/L			04/12/24 16:04	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/12/24 16:04	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/12/24 16:04	1
Toluene	<0.15		0.50	0.15	ug/L			04/12/24 16:04	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/12/24 16:04	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/12/24 16:04	1
Trichloroethene	**42**		0.50	0.16	ug/L			04/12/24 16:04	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/12/24 16:04	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/12/24 16:04	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/12/24 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*		*04/12/24 16:04*	*1*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*04/12/24 16:04*	*1*
Dibromofluoromethane	*110*		*75 - 120*		*04/12/24 16:04*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*04/12/24 16:04*	*1*

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-248685-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Client Sample ID: Trip Blank
Lab Sample ID: 500-248685-10

Date Collected: 04/08/24 00:00
Matrix: Water
Date Received: 04/09/24 09:45

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	<0.46		1.0	0.46	ug/L			04/12/24 14:50	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/12/24 14:50	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/12/24 14:50	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/12/24 14:50	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/12/24 14:50	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/12/24 14:50	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/12/24 14:50	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/12/24 14:50	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/12/24 14:50	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/12/24 14:50	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/12/24 14:50	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/12/24 14:50	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			04/12/24 14:50	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/12/24 14:50	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/12/24 14:50	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/12/24 14:50	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/12/24 14:50	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/12/24 14:50	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/12/24 14:50	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/12/24 14:50	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			04/12/24 14:50	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/12/24 14:50	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/12/24 14:50	1
Benzene	<0.15		0.50	0.15	ug/L			04/12/24 14:50	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/12/24 14:50	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/12/24 14:50	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/12/24 14:50	1
Bromoform	<0.48		1.0	0.48	ug/L			04/12/24 14:50	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/12/24 14:50	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/12/24 14:50	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/12/24 14:50	1
Chloroethane	<0.51		5.0	0.51	ug/L			04/12/24 14:50	1
Chloroform	<0.37		2.0	0.37	ug/L			04/12/24 14:50	1
Chloromethane	<0.32		5.0	0.32	ug/L			04/12/24 14:50	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/12/24 14:50	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/12/24 14:50	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/12/24 14:50	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/12/24 14:50	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/12/24 14:50	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/12/24 14:50	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/12/24 14:50	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/12/24 14:50	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/12/24 14:50	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/12/24 14:50	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/12/24 14:50	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/12/24 14:50	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/12/24 14:50	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/12/24 14:50	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/12/24 14:50	1

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-248685-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Client Sample ID: Trip Blank
Lab Sample ID: 500-248685-10

Date Collected: 04/08/24 00:00
Matrix: Water
Date Received: 04/09/24 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/12/24 14:50	1
Styrene	<0.39		1.0	0.39	ug/L			04/12/24 14:50	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/12/24 14:50	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/12/24 14:50	1
Toluene	<0.15		0.50	0.15	ug/L			04/12/24 14:50	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/12/24 14:50	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/12/24 14:50	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/12/24 14:50	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/12/24 14:50	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/12/24 14:50	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/12/24 14:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*		*04/12/24 14:50*	*1*
4-Bromofluorobenzene (Surr)	*107*		*72 - 124*		*04/12/24 14:50*	*1*
Dibromofluoromethane	*111*		*75 - 120*		*04/12/24 14:50*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*04/12/24 14:50*	*1*

Definitions/Glossary

Client: GZA GeoEnvironmental, Inc. Job ID: 500-248685-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
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

QC Association Summary

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-248685-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

GC/MS VOA

Prep Batch: 762341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-248685-1	MW-31 (7.5-10')	Total/NA	Solid	5035	
500-248685-2	MW-31 (15-17.5')	Total/NA	Solid	5035	
500-248685-3	MW-31 (25-27.5')	Total/NA	Solid	5035	
500-248685-4	MW-32 (5-7.5')	Total/NA	Solid	5035	
500-248685-5	MW-32 (15-17.5')	Total/NA	Solid	5035	
500-248685-6	MW-32 (22.5-25')	Total/NA	Solid	5035	
500-248685-7	Trip Blank	Total/NA	Solid	5035	
LB3 500-762341/8-A	Method Blank	Total/NA	Solid	5035	
LCS 500-762341/9-A	Lab Control Sample	Total/NA	Solid	5035	
500-248685-7 MS	Trip Blank	Total/NA	Solid	5035	
500-248685-7 MSD	Trip Blank	Total/NA	Solid	5035	

Analysis Batch: 762899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-248685-8	MW-32	Total/NA	Water	8260D	
500-248685-8 - DL	MW-32	Total/NA	Water	8260D	
500-248685-9	MW-31	Total/NA	Water	8260D	
500-248685-10	Trip Blank	Total/NA	Water	8260D	
MB 500-762899/8	Method Blank	Total/NA	Water	8260D	
LCS 500-762899/5	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 762900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-248685-1	MW-31 (7.5-10')	Total/NA	Solid	8260D	762341
500-248685-2	MW-31 (15-17.5')	Total/NA	Solid	8260D	762341
500-248685-3	MW-31 (25-27.5')	Total/NA	Solid	8260D	762341
500-248685-4	MW-32 (5-7.5')	Total/NA	Solid	8260D	762341
500-248685-5	MW-32 (15-17.5')	Total/NA	Solid	8260D	762341
500-248685-6	MW-32 (22.5-25')	Total/NA	Solid	8260D	762341
500-248685-7	Trip Blank	Total/NA	Solid	8260D	762341
MB 500-762900/8	Method Blank	Total/NA	Solid	8260D	
LCS 500-762341/9-A	Lab Control Sample	Total/NA	Solid	8260D	762341
LCS 500-762900/5	Lab Control Sample	Total/NA	Solid	8260D	
500-248685-7 MS	Trip Blank	Total/NA	Solid	8260D	762341
500-248685-7 MSD	Trip Blank	Total/NA	Solid	8260D	762341

Analysis Batch: 763082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB3 500-762341/8-A	Method Blank	Total/NA	Solid	8260D	762341
MB 500-763082/7	Method Blank	Total/NA	Solid	8260D	
LCS 500-763082/4	Lab Control Sample	Total/NA	Solid	8260D	

General Chemistry

Analysis Batch: 762513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-248685-1	MW-31 (7.5-10')	Total/NA	Solid	Moisture	
500-248685-2	MW-31 (15-17.5')	Total/NA	Solid	Moisture	
500-248685-3	MW-31 (25-27.5')	Total/NA	Solid	Moisture	
500-248685-4	MW-32 (5-7.5')	Total/NA	Solid	Moisture	
500-248685-5	MW-32 (15-17.5')	Total/NA	Solid	Moisture	

QC Association Summary

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-248685-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

General Chemistry

Analysis Batch: 762706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-248685-6	MW-32 (22.5-25')	Total/NA	Solid	Moisture	

Surrogate Summary

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-248685-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

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

Matrix: Solid

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)
500-248685-1	MW-31 (7.5-10')	112	99	111	99
500-248685-2	MW-31 (15-17.5')	111	99	109	99
500-248685-3	MW-31 (25-27.5')	113	101	108	100
500-248685-4	MW-32 (5-7.5')	110	99	108	101
500-248685-5	MW-32 (15-17.5')	110	98	107	102
500-248685-6	MW-32 (22.5-25')	110	100	106	102
500-248685-7	Trip Blank	109	103	105	103
500-248685-7 MS	Trip Blank	105	100	110	100
500-248685-7 MSD	Trip Blank	104	98	110	102
LB3 500-762341/8-A	Method Blank	89	88	98	102
LCS 500-762341/9-A	Lab Control Sample	105	101	109	102
LCS 500-762900/5	Lab Control Sample	106	102	109	101
LCS 500-763082/4	Lab Control Sample	83	91	93	104
MB 500-762900/8	Method Blank	111	112	111	104
MB 500-763082/7	Method Blank	89	88	100	102

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

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)
500-248685-8	MW-32	113	105	112	98
500-248685-8 - DL	MW-32	112	104	112	101
500-248685-9	MW-31	111	100	110	102
500-248685-10	Trip Blank	110	107	111	102
LCS 500-762899/5	Lab Control Sample	106	102	109	101
MB 500-762899/8	Method Blank	111	112	111	104

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: LB3 500-762341/8-A
Matrix: Solid
Analysis Batch: 763082

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 762341

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<23		50	23	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
1,1,1-Trichloroethane	<19		50	19	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
1,1,2,2-Tetrachloroethane	<20		50	20	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
1,1,2-Trichloroethane	<18		50	18	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
1,1-Dichloroethane	<21		50	21	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
1,1-Dichloroethene	<20		50	20	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
1,1-Dichloropropene	<15		50	15	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
1,2,3-Trichlorobenzene	<23		50	23	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
1,2,3-Trichloropropane	<21		100	21	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
1,2,4-Trichlorobenzene	<17		50	17	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
1,2,4-Trimethylbenzene	<18		50	18	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
1,2-Dibromo-3-Chloropropane	<100		250	100	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
1,2-Dibromoethane (EDB)	<19		50	19	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
1,2-Dichlorobenzene	<17		50	17	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
1,2-Dichloroethane	<20		50	20	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
1,2-Dichloropropane	<21		50	21	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
1,3,5-Trimethylbenzene	<19		50	19	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
1,3-Dichlorobenzene	<20		50	20	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
1,3-Dichloropropane	<18		50	18	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
1,4-Dichlorobenzene	<18		50	18	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
2,2-Dichloropropane	<22		250	22	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
2-Chlorotoluene	<16		50	16	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
4-Chlorotoluene	<18		50	18	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
Benzene	<7.3		13	7.3	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
Bromobenzene	<18		50	18	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
Bromochloromethane	<21		50	21	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
Bromodichloromethane	<19		50	19	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
Bromoform	<24		50	24	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
Bromomethane	<40		150	40	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
Carbon tetrachloride	<19		50	19	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
Chlorobenzene	<19		50	19	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
Chloroethane	<25		250	25	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
Chloroform	<19		100	19	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
Chloromethane	<16		250	16	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
cis-1,2-Dichloroethene	<20		50	20	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
cis-1,3-Dichloropropene	<21		50	21	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
Dibromochloromethane	<24		50	24	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
Dibromomethane	<14		50	14	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
Dichlorodifluoromethane	<34		150	34	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
Ethylbenzene	<9.2		13	9.2	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
Hexachlorobutadiene	<22		50	22	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
Isopropyl ether	<14		50	14	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
Isopropylbenzene	<19		50	19	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
Methyl tert-butyl ether	<20		50	20	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
Methylene Chloride	<82		250	82	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
Naphthalene	<17		50	17	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
n-Butylbenzene	<19		50	19	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
N-Propylbenzene	<21		50	21	ug/Kg		04/09/24 22:30	04/15/24 10:55	50

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

Lab Sample ID: LB3 500-762341/8-A
Matrix: Solid
Analysis Batch: 763082

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 762341

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<18		50	18	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
sec-Butylbenzene	<20		50	20	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
Styrene	<19		50	19	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
tert-Butylbenzene	<20		50	20	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
Tetrachloroethene	<19		50	19	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
Toluene	<7.4		13	7.4	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
trans-1,2-Dichloroethene	<18		50	18	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
trans-1,3-Dichloropropene	<18		50	18	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
Trichloroethene	<8.2		25	8.2	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
Trichlorofluoromethane	<21		50	21	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
Vinyl chloride	<13		50	13	ug/Kg		04/09/24 22:30	04/15/24 10:55	50
Xylenes, Total	<11		25	11	ug/Kg		04/09/24 22:30	04/15/24 10:55	50

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*	*04/09/24 22:30*	*04/15/24 10:55*	*50*
4-Bromofluorobenzene (Surr)	*88*		*72 - 124*	*04/09/24 22:30*	*04/15/24 10:55*	*50*
Dibromofluoromethane	*98*		*75 - 120*	*04/09/24 22:30*	*04/15/24 10:55*	*50*
Toluene-d8 (Surr)	*102*		*75 - 120*	*04/09/24 22:30*	*04/15/24 10:55*	*50*

Lab Sample ID: LCS 500-762341/9-A
Matrix: Solid
Analysis Batch: 762900

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 762341

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	2500	2960		ug/Kg		118	70 - 125
1,1,1-Trichloroethane	2500	3130		ug/Kg		125	70 - 125
1,1,2,2-Tetrachloroethane	2500	2640		ug/Kg		106	62 - 140
1,1,2-Trichloroethane	2500	2730		ug/Kg		109	71 - 130
1,1-Dichloroethane	2500	2520		ug/Kg		101	70 - 125
1,1-Dichloroethene	2500	2650		ug/Kg		106	67 - 122
1,1-Dichloropropene	2500	2830		ug/Kg		113	70 - 121
1,2,3-Trichlorobenzene	2500	2460		ug/Kg		98	51 - 145
1,2,3-Trichloropropane	2500	2930		ug/Kg		117	50 - 133
1,2,4-Trichlorobenzene	2500	2270		ug/Kg		91	57 - 137
1,2,4-Trimethylbenzene	2500	2770		ug/Kg		111	70 - 123
1,2-Dibromo-3-Chloropropane	2500	2250		ug/Kg		90	56 - 123
1,2-Dibromoethane (EDB)	2500	2870		ug/Kg		115	70 - 125
1,2-Dichlorobenzene	2500	2920		ug/Kg		117	70 - 125
1,2-Dichloroethane	2500	2850		ug/Kg		114	68 - 127
1,2-Dichloropropane	2500	2450		ug/Kg		98	67 - 130
1,3,5-Trimethylbenzene	2500	2830		ug/Kg		113	70 - 123
1,3-Dichlorobenzene	2500	2830		ug/Kg		113	70 - 125
1,3-Dichloropropane	2500	2790		ug/Kg		111	62 - 136
1,4-Dichlorobenzene	2500	2810		ug/Kg		112	70 - 120
2,2-Dichloropropane	2500	2710		ug/Kg		108	58 - 139
2-Chlorotoluene	2500	2790		ug/Kg		112	70 - 125
4-Chlorotoluene	2500	2780		ug/Kg		111	68 - 124
Benzene	2500	2570		ug/Kg		103	70 - 120

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-248685-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

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

Lab Sample ID: LCS 500-762341/9-A
Matrix: Solid
Analysis Batch: 762900

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 762341

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromobenzene	2500	3080	*+	ug/Kg		123	70 - 122
Bromochloromethane	2500	3220	*+	ug/Kg		129	65 - 122
Bromodichloromethane	2500	2940		ug/Kg		118	69 - 120
Bromoform	2500	2460		ug/Kg		98	56 - 132
Bromomethane	2500	2880		ug/Kg		115	40 - 152
Carbon tetrachloride	2500	3180		ug/Kg		127	59 - 133
Chlorobenzene	2500	2980		ug/Kg		119	70 - 120
Chloroethane	2500	2200		ug/Kg		88	48 - 136
Chloroform	2500	2560		ug/Kg		102	70 - 120
Chloromethane	2500	1350	*-	ug/Kg		54	56 - 152
cis-1,2-Dichloroethene	2500	2800		ug/Kg		112	70 - 125
cis-1,3-Dichloropropene	2500	2690		ug/Kg		108	64 - 127
Dibromochloromethane	2500	2920		ug/Kg		117	68 - 125
Dibromomethane	2500	2910		ug/Kg		116	70 - 120
Dichlorodifluoromethane	2500	1140		ug/Kg		46	40 - 159
Ethylbenzene	2500	2720		ug/Kg		109	70 - 123
Hexachlorobutadiene	2500	1680		ug/Kg		67	51 - 150
Isopropylbenzene	2500	2930		ug/Kg		117	70 - 126
Methyl tert-butyl ether	2500	2740		ug/Kg		110	55 - 123
Methylene Chloride	2500	2610		ug/Kg		104	69 - 125
Naphthalene	2500	2440		ug/Kg		98	53 - 144
n-Butylbenzene	2500	2290		ug/Kg		92	68 - 125
N-Propylbenzene	2500	2720		ug/Kg		109	69 - 127
p-Isopropyltoluene	2500	2630		ug/Kg		105	70 - 125
sec-Butylbenzene	2500	2610		ug/Kg		105	70 - 123
Styrene	2500	2790		ug/Kg		112	70 - 120
tert-Butylbenzene	2500	2810		ug/Kg		112	70 - 121
Tetrachloroethene	2500	2870		ug/Kg		115	70 - 128
Toluene	2500	2720		ug/Kg		109	70 - 125
trans-1,2-Dichloroethene	2500	2790		ug/Kg		112	70 - 125
trans-1,3-Dichloropropene	2500	2700		ug/Kg		108	62 - 128
Trichloroethene	2500	3100		ug/Kg		124	70 - 125
Trichlorofluoromethane	2500	2920		ug/Kg		117	55 - 128
Vinyl chloride	2500	1790		ug/Kg		72	64 - 126
Xylenes, Total	5000	5260		ug/Kg		105	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*
Dibromofluoromethane	*109*		*75 - 120*
Toluene-d8 (Surr)	*102*		*75 - 120*

Lab Sample ID: 500-248685-7 MS
Matrix: Solid
Analysis Batch: 762900

Client Sample ID: Trip Blank
Prep Type: Total/NA
Prep Batch: 762341

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	<23		2500	2530		ug/Kg		101	70 - 125

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

Lab Sample ID: 500-248685-7 MS
Matrix: Solid
Analysis Batch: 762900

Client Sample ID: Trip Blank
Prep Type: Total/NA
Prep Batch: 762341

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	<19		2500	2730		ug/Kg		109	70 - 125
1,1,2,2-Tetrachloroethane	<20		2500	2250		ug/Kg		90	62 - 140
1,1,2-Trichloroethane	<18		2500	2290		ug/Kg		92	71 - 130
1,1-Dichloroethane	<21		2500	2170		ug/Kg		87	70 - 125
1,1-Dichloroethene	<20		2500	2480		ug/Kg		99	67 - 122
1,1-Dichloropropene	<15		2500	2450		ug/Kg		98	70 - 121
1,2,3-Trichlorobenzene	<23		2500	2400		ug/Kg		96	51 - 145
1,2,3-Trichloropropane	<21		2500	2470		ug/Kg		99	50 - 133
1,2,4-Trichlorobenzene	<17		2500	2250		ug/Kg		90	57 - 137
1,2,4-Trimethylbenzene	<18		2500	2460		ug/Kg		98	70 - 123
1,2-Dibromo-3-Chloropropane	<100		2500	2020		ug/Kg		81	56 - 123
1,2-Dibromoethane (EDB)	<19		2500	2420		ug/Kg		97	70 - 125
1,2-Dichlorobenzene	<17		2500	2560		ug/Kg		103	70 - 125
1,2-Dichloroethane	<20		2500	2500		ug/Kg		100	68 - 127
1,2-Dichloropropane	<21		2500	2130		ug/Kg		85	67 - 130
1,3,5-Trimethylbenzene	<19		2500	2460		ug/Kg		98	70 - 123
1,3-Dichlorobenzene	<20		2500	2500		ug/Kg		100	70 - 125
1,3-Dichloropropane	<18		2500	2340		ug/Kg		94	62 - 136
1,4-Dichlorobenzene	<18		2500	2440		ug/Kg		98	70 - 120
2,2-Dichloropropane	<22		2500	2350		ug/Kg		94	58 - 139
2-Chlorotoluene	<16		2500	2390		ug/Kg		95	70 - 125
4-Chlorotoluene	<18		2500	2380		ug/Kg		95	68 - 124
Benzene	<7.3		2500	2190		ug/Kg		88	70 - 120
Bromobenzene	<18		2500	2590		ug/Kg		104	70 - 122
Bromochloromethane	<21		2500	2730		ug/Kg		109	65 - 122
Bromodichloromethane	<19		2500	2510		ug/Kg		100	69 - 120
Bromoform	<24		2500	2150		ug/Kg		86	56 - 132
Bromomethane	<40		2500	2860		ug/Kg		114	40 - 152
Carbon tetrachloride	<19		2500	2750		ug/Kg		110	59 - 133
Chlorobenzene	<19		2500	2500		ug/Kg		100	70 - 120
Chloroethane	<25		2500	2200		ug/Kg		88	48 - 136
Chloroform	<19		2500	2190		ug/Kg		88	70 - 120
Chloromethane	<16		2500	1720		ug/Kg		69	56 - 152
cis-1,2-Dichloroethene	<20		2500	2410		ug/Kg		97	70 - 125
cis-1,3-Dichloropropene	<21		2500	2240		ug/Kg		90	64 - 127
Dibromochloromethane	<24		2500	2470		ug/Kg		99	68 - 125
Dibromomethane	<14		2500	2490		ug/Kg		100	70 - 120
Dichlorodifluoromethane	<34		2500	2650		ug/Kg		106	40 - 159
Ethylbenzene	<9.2		2500	2270		ug/Kg		91	70 - 123
Hexachlorobutadiene	<22		2500	1960		ug/Kg		78	51 - 150
Isopropylbenzene	<19		2500	2520		ug/Kg		101	70 - 126
Methyl tert-butyl ether	<20		2500	2360		ug/Kg		94	55 - 123
Methylene Chloride	<82		2500	2280		ug/Kg		91	69 - 125
Naphthalene	<17		2500	2430		ug/Kg		97	53 - 144
n-Butylbenzene	<19		2500	2210		ug/Kg		88	68 - 125
N-Propylbenzene	<21		2500	2350		ug/Kg		94	69 - 127
p-Isopropyltoluene	<18		2500	2450		ug/Kg		98	70 - 125
sec-Butylbenzene	<20		2500	2390		ug/Kg		96	70 - 123
Styrene	<19		2500	2360		ug/Kg		94	70 - 120

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

Lab Sample ID: 500-248685-7 MS
Matrix: Solid
Analysis Batch: 762900

Client Sample ID: Trip Blank
Prep Type: Total/NA
Prep Batch: 762341

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
tert-Butylbenzene	<20		2500	2520		ug/Kg		101	70 - 121
Tetrachloroethene	<19		2500	2430		ug/Kg		97	70 - 128
Toluene	<7.4		2500	2260		ug/Kg		90	70 - 125
trans-1,2-Dichloroethene	<18		2500	2470		ug/Kg		99	70 - 125
trans-1,3-Dichloropropene	<18		2500	2270		ug/Kg		91	62 - 128
Trichloroethene	<8.2		2500	2660		ug/Kg		107	70 - 125
Trichlorofluoromethane	<21		2500	2750		ug/Kg		110	55 - 128
Vinyl chloride	<13		2500	2050		ug/Kg		82	64 - 126
Xylenes, Total	<11		5000	4470		ug/Kg		89	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*
Dibromofluoromethane	*110*		*75 - 120*
Toluene-d8 (Surr)	*100*		*75 - 120*

Lab Sample ID: 500-248685-7 MSD
Matrix: Solid
Analysis Batch: 762900

Client Sample ID: Trip Blank
Prep Type: Total/NA
Prep Batch: 762341

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<23		2500	2510		ug/Kg		100	70 - 125	1	30
1,1,1-Trichloroethane	<19		2500	2630		ug/Kg		105	70 - 125	4	30
1,1,2,2-Tetrachloroethane	<20		2500	2140		ug/Kg		85	62 - 140	5	30
1,1,2-Trichloroethane	<18		2500	2300		ug/Kg		92	71 - 130	0	30
1,1-Dichloroethane	<21		2500	2110		ug/Kg		84	70 - 125	3	30
1,1-Dichloroethene	<20		2500	2390		ug/Kg		95	67 - 122	4	30
1,1-Dichloropropene	<15		2500	2400		ug/Kg		96	70 - 121	2	30
1,2,3-Trichlorobenzene	<23		2500	2480		ug/Kg		99	51 - 145	3	30
1,2,3-Trichloropropane	<21		2500	2440		ug/Kg		97	50 - 133	2	30
1,2,4-Trichlorobenzene	<17		2500	2320		ug/Kg		93	57 - 137	3	30
1,2,4-Trimethylbenzene	<18		2500	2480		ug/Kg		99	70 - 123	1	30
1,2-Dibromo-3-Chloropropane	<100		2500	1820		ug/Kg		73	56 - 123	10	30
1,2-Dibromoethane (EDB)	<19		2500	2370		ug/Kg		95	70 - 125	2	30
1,2-Dichlorobenzene	<17		2500	2560		ug/Kg		103	70 - 125	0	30
1,2-Dichloroethane	<20		2500	2450		ug/Kg		98	68 - 127	2	30
1,2-Dichloropropane	<21		2500	2090		ug/Kg		83	67 - 130	2	30
1,3,5-Trimethylbenzene	<19		2500	2540		ug/Kg		102	70 - 123	3	30
1,3-Dichlorobenzene	<20		2500	2480		ug/Kg		99	70 - 125	1	30
1,3-Dichloropropane	<18		2500	2290		ug/Kg		92	62 - 136	2	30
1,4-Dichlorobenzene	<18		2500	2460		ug/Kg		98	70 - 120	1	30
2,2-Dichloropropane	<22		2500	2220		ug/Kg		89	58 - 139	6	30
2-Chlorotoluene	<16		2500	2380		ug/Kg		95	70 - 125	0	30
4-Chlorotoluene	<18		2500	2370		ug/Kg		95	68 - 124	0	30
Benzene	<7.3		2500	2180		ug/Kg		87	70 - 120	0	30
Bromobenzene	<18		2500	2590		ug/Kg		103	70 - 122	0	30
Bromochloromethane	<21		2500	2680		ug/Kg		107	65 - 122	2	30
Bromodichloromethane	<19		2500	2480		ug/Kg		99	69 - 120	1	30

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

Lab Sample ID: 500-248685-7 MSD
Matrix: Solid
Analysis Batch: 762900

Client Sample ID: Trip Blank
Prep Type: Total/NA
Prep Batch: 762341

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromoform	<24		2500	2090		ug/Kg		84	56 - 132	3	30
Bromomethane	<40		2500	2800		ug/Kg		112	40 - 152	2	30
Carbon tetrachloride	<19		2500	2680		ug/Kg		107	59 - 133	2	30
Chlorobenzene	<19		2500	2510		ug/Kg		100	70 - 120	0	30
Chloroethane	<25		2500	2060		ug/Kg		82	48 - 136	7	30
Chloroform	<19		2500	2160		ug/Kg		86	70 - 120	2	30
Chloromethane	<16		2500	1670		ug/Kg		67	56 - 152	3	30
cis-1,2-Dichloroethene	<20		2500	2380		ug/Kg		95	70 - 125	1	30
cis-1,3-Dichloropropene	<21		2500	2300		ug/Kg		92	64 - 127	3	30
Dibromochloromethane	<24		2500	2450		ug/Kg		98	68 - 125	1	30
Dibromomethane	<14		2500	2440		ug/Kg		98	70 - 120	2	30
Dichlorodifluoromethane	<34		2500	2580		ug/Kg		103	40 - 159	2	30
Ethylbenzene	<9.2		2500	2300		ug/Kg		92	70 - 123	1	30
Hexachlorobutadiene	<22		2500	2120		ug/Kg		85	51 - 150	8	30
Isopropylbenzene	<19		2500	2570		ug/Kg		103	70 - 126	2	30
Methyl tert-butyl ether	<20		2500	2250		ug/Kg		90	55 - 123	5	30
Methylene Chloride	<82		2500	2230		ug/Kg		89	69 - 125	2	30
Naphthalene	<17		2500	2380		ug/Kg		95	53 - 144	2	30
n-Butylbenzene	<19		2500	2310		ug/Kg		92	68 - 125	5	30
N-Propylbenzene	<21		2500	2370		ug/Kg		95	69 - 127	1	30
p-Isopropyltoluene	<18		2500	2560		ug/Kg		102	70 - 125	4	30
sec-Butylbenzene	<20		2500	2530		ug/Kg		101	70 - 123	5	30
Styrene	<19		2500	2370		ug/Kg		95	70 - 120	0	30
tert-Butylbenzene	<20		2500	2630		ug/Kg		105	70 - 121	5	30
Tetrachloroethene	<19		2500	2470		ug/Kg		99	70 - 128	2	30
Toluene	<7.4		2500	2290		ug/Kg		92	70 - 125	1	30
trans-1,2-Dichloroethene	<18		2500	2370		ug/Kg		95	70 - 125	4	30
trans-1,3-Dichloropropene	<18		2500	2280		ug/Kg		91	62 - 128	0	30
Trichloroethene	<8.2		2500	2650		ug/Kg		106	70 - 125	0	30
Trichlorofluoromethane	<21		2500	2690		ug/Kg		108	55 - 128	2	30
Vinyl chloride	<13		2500	1990		ug/Kg		79	64 - 126	3	30
Xylenes, Total	<11		5000	4490		ug/Kg		90	70 - 125	0	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*
Dibromofluoromethane	*110*		*75 - 120*
Toluene-d8 (Surr)	*102*		*75 - 120*

Lab Sample ID: MB 500-762899/8
Matrix: Water
Analysis Batch: 762899

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	<0.46		1.0	0.46	ug/L			04/12/24 14:25	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/12/24 14:25	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/12/24 14:25	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/12/24 14:25	1

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

Lab Sample ID: MB 500-762899/8
Matrix: Water
Analysis Batch: 762899

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/12/24 14:25	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/12/24 14:25	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/12/24 14:25	1
1,2,3-Trichlorobenzene	0.484	J	1.0	0.46	ug/L			04/12/24 14:25	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/12/24 14:25	1
1,2,4-Trichlorobenzene	0.557	J	1.0	0.34	ug/L			04/12/24 14:25	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/12/24 14:25	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/12/24 14:25	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/L			04/12/24 14:25	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/12/24 14:25	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/12/24 14:25	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/12/24 14:25	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/12/24 14:25	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/12/24 14:25	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/12/24 14:25	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/12/24 14:25	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			04/12/24 14:25	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/12/24 14:25	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/12/24 14:25	1
Benzene	<0.15		0.50	0.15	ug/L			04/12/24 14:25	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/12/24 14:25	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/12/24 14:25	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/12/24 14:25	1
Bromoform	<0.48		1.0	0.48	ug/L			04/12/24 14:25	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/12/24 14:25	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/12/24 14:25	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/12/24 14:25	1
Chloroethane	<0.51		5.0	0.51	ug/L			04/12/24 14:25	1
Chloroform	<0.37		2.0	0.37	ug/L			04/12/24 14:25	1
Chloromethane	<0.32		5.0	0.32	ug/L			04/12/24 14:25	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/12/24 14:25	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/12/24 14:25	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/12/24 14:25	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/12/24 14:25	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/12/24 14:25	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/12/24 14:25	1
Hexachlorobutadiene	0.871	J	1.0	0.45	ug/L			04/12/24 14:25	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/12/24 14:25	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/12/24 14:25	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/12/24 14:25	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/12/24 14:25	1
Naphthalene	0.448	J	1.0	0.34	ug/L			04/12/24 14:25	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/12/24 14:25	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/12/24 14:25	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/12/24 14:25	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/12/24 14:25	1
Styrene	<0.39		1.0	0.39	ug/L			04/12/24 14:25	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/12/24 14:25	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/12/24 14:25	1

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

Lab Sample ID: MB 500-762899/8
Matrix: Water
Analysis Batch: 762899

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.15		0.50	0.15	ug/L			04/12/24 14:25	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/12/24 14:25	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/12/24 14:25	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/12/24 14:25	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/12/24 14:25	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/12/24 14:25	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/12/24 14:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*		*04/12/24 14:25*	*1*
4-Bromofluorobenzene (Surr)	*112*		*72 - 124*		*04/12/24 14:25*	*1*
Dibromofluoromethane	*111*		*75 - 120*		*04/12/24 14:25*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*04/12/24 14:25*	*1*

Lab Sample ID: LCS 500-762899/5
Matrix: Water
Analysis Batch: 762899

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	50.0	47.8		ug/L		96	70 - 125
1,1,1-Trichloroethane	50.0	50.6		ug/L		101	70 - 125
1,1,2,2-Tetrachloroethane	50.0	42.6		ug/L		85	62 - 140
1,1,2-Trichloroethane	50.0	44.0		ug/L		88	71 - 130
1,1-Dichloroethane	50.0	39.9		ug/L		80	70 - 125
1,1-Dichloroethene	50.0	45.6		ug/L		91	67 - 122
1,1-Dichloropropene	50.0	45.3		ug/L		91	70 - 121
1,2,3-Trichlorobenzene	50.0	39.1		ug/L		78	51 - 145
1,2,3-Trichloropropane	50.0	47.5		ug/L		95	50 - 133
1,2,4-Trichlorobenzene	50.0	39.3		ug/L		79	57 - 137
1,2,4-Trimethylbenzene	50.0	46.4		ug/L		93	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	36.0		ug/L		72	56 - 123
1,2-Dibromoethane (EDB)	50.0	46.1		ug/L		92	70 - 125
1,2-Dichlorobenzene	50.0	46.9		ug/L		94	70 - 125
1,2-Dichloroethane	50.0	46.1		ug/L		92	68 - 127
1,2-Dichloropropane	50.0	39.7		ug/L		79	67 - 130
1,3,5-Trimethylbenzene	50.0	47.2		ug/L		94	70 - 123
1,3-Dichlorobenzene	50.0	47.3		ug/L		95	70 - 125
1,3-Dichloropropane	50.0	44.4		ug/L		89	62 - 136
1,4-Dichlorobenzene	50.0	46.7		ug/L		93	70 - 120
2,2-Dichloropropane	50.0	48.3		ug/L		97	58 - 139
2-Chlorotoluene	50.0	45.9		ug/L		92	70 - 125
4-Chlorotoluene	50.0	46.3		ug/L		93	68 - 124
Benzene	50.0	41.4		ug/L		83	70 - 120
Bromobenzene	50.0	49.6		ug/L		99	70 - 122
Bromochloromethane	50.0	50.8		ug/L		102	65 - 122
Bromodichloromethane	50.0	48.4		ug/L		97	69 - 120
Bromoform	50.0	41.4		ug/L		83	56 - 132
Bromomethane	50.0	51.4		ug/L		103	40 - 152

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

Lab Sample ID: LCS 500-762899/5
Matrix: Water
Analysis Batch: 762899

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon tetrachloride	50.0	52.7		ug/L		105	59 - 133
Chlorobenzene	50.0	47.7		ug/L		95	70 - 120
Chloroethane	50.0	39.8		ug/L		80	48 - 136
Chloroform	50.0	40.6		ug/L		81	70 - 120
Chloromethane	50.0	30.7		ug/L		61	56 - 152
cis-1,2-Dichloroethene	50.0	45.1		ug/L		90	70 - 125
cis-1,3-Dichloropropene	50.0	43.9		ug/L		88	64 - 127
Dibromochloromethane	50.0	48.6		ug/L		97	68 - 125
Dibromomethane	50.0	46.6		ug/L		93	70 - 120
Dichlorodifluoromethane	50.0	47.1		ug/L		94	40 - 159
Ethylbenzene	50.0	43.3		ug/L		87	70 - 123
Hexachlorobutadiene	50.0	29.3		ug/L		59	51 - 150
Isopropylbenzene	50.0	48.8		ug/L		98	70 - 126
Methyl tert-butyl ether	50.0	44.8		ug/L		90	55 - 123
Methylene Chloride	50.0	41.5		ug/L		83	69 - 125
Naphthalene	50.0	40.0		ug/L		80	53 - 144
n-Butylbenzene	50.0	41.5		ug/L		83	68 - 125
N-Propylbenzene	50.0	46.0		ug/L		92	69 - 127
p-Isopropyltoluene	50.0	45.6		ug/L		91	70 - 125
sec-Butylbenzene	50.0	44.8		ug/L		90	70 - 123
Styrene	50.0	44.8		ug/L		90	70 - 120
tert-Butylbenzene	50.0	46.8		ug/L		94	70 - 121
Tetrachloroethene	50.0	47.4		ug/L		95	70 - 128
Toluene	50.0	43.4		ug/L		87	70 - 125
trans-1,2-Dichloroethene	50.0	45.4		ug/L		91	70 - 125
trans-1,3-Dichloropropene	50.0	44.4		ug/L		89	62 - 128
Trichloroethene	50.0	50.7		ug/L		101	70 - 125
Trichlorofluoromethane	50.0	48.6		ug/L		97	55 - 128
Vinyl chloride	50.0	36.3		ug/L		73	64 - 126
Xylenes, Total	100	85.0		ug/L		85	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*
Dibromofluoromethane	*109*		*75 - 120*
Toluene-d8 (Surr)	*101*		*75 - 120*

Lab Sample ID: MB 500-762900/8
Matrix: Solid
Analysis Batch: 762900

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	<0.46		1.0	0.46	ug/Kg			04/12/24 14:25	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/Kg			04/12/24 14:25	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/Kg			04/12/24 14:25	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/Kg			04/12/24 14:25	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/Kg			04/12/24 14:25	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/Kg			04/12/24 14:25	1

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-248685-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

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

Lab Sample ID: MB 500-762900/8
Matrix: Solid
Analysis Batch: 762900

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	<0.30		1.0	0.30	ug/Kg			04/12/24 14:25	1
1,2,3-Trichlorobenzene	0.484	J	1.0	0.46	ug/Kg			04/12/24 14:25	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/Kg			04/12/24 14:25	1
1,2,4-Trichlorobenzene	0.557	J	1.0	0.34	ug/Kg			04/12/24 14:25	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			04/12/24 14:25	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/Kg			04/12/24 14:25	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/Kg			04/12/24 14:25	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/Kg			04/12/24 14:25	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/Kg			04/12/24 14:25	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/Kg			04/12/24 14:25	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			04/12/24 14:25	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/Kg			04/12/24 14:25	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/Kg			04/12/24 14:25	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/Kg			04/12/24 14:25	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/Kg			04/12/24 14:25	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/Kg			04/12/24 14:25	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/Kg			04/12/24 14:25	1
Benzene	<0.15		0.25	0.15	ug/Kg			04/12/24 14:25	1
Bromobenzene	<0.36		1.0	0.36	ug/Kg			04/12/24 14:25	1
Bromochloromethane	<0.43		1.0	0.43	ug/Kg			04/12/24 14:25	1
Bromodichloromethane	<0.37		1.0	0.37	ug/Kg			04/12/24 14:25	1
Bromoform	<0.48		1.0	0.48	ug/Kg			04/12/24 14:25	1
Bromomethane	<0.80		3.0	0.80	ug/Kg			04/12/24 14:25	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/Kg			04/12/24 14:25	1
Chlorobenzene	<0.39		1.0	0.39	ug/Kg			04/12/24 14:25	1
Chloroethane	<0.50		5.0	0.50	ug/Kg			04/12/24 14:25	1
Chloroform	<0.37		2.0	0.37	ug/Kg			04/12/24 14:25	1
Chloromethane	<0.32		5.0	0.32	ug/Kg			04/12/24 14:25	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/Kg			04/12/24 14:25	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/Kg			04/12/24 14:25	1
Dibromochloromethane	<0.49		1.0	0.49	ug/Kg			04/12/24 14:25	1
Dibromomethane	<0.27		1.0	0.27	ug/Kg			04/12/24 14:25	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/Kg			04/12/24 14:25	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			04/12/24 14:25	1
Hexachlorobutadiene	0.871	J	1.0	0.45	ug/Kg			04/12/24 14:25	1
Isopropyl ether	<0.28		1.0	0.28	ug/Kg			04/12/24 14:25	1
Isopropylbenzene	<0.38		1.0	0.38	ug/Kg			04/12/24 14:25	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			04/12/24 14:25	1
Methylene Chloride	<1.6		5.0	1.6	ug/Kg			04/12/24 14:25	1
Naphthalene	0.448	J	1.0	0.33	ug/Kg			04/12/24 14:25	1
n-Butylbenzene	<0.39		1.0	0.39	ug/Kg			04/12/24 14:25	1
N-Propylbenzene	<0.41		1.0	0.41	ug/Kg			04/12/24 14:25	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/Kg			04/12/24 14:25	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/Kg			04/12/24 14:25	1
Styrene	<0.39		1.0	0.39	ug/Kg			04/12/24 14:25	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/Kg			04/12/24 14:25	1
Tetrachloroethene	<0.37		1.0	0.37	ug/Kg			04/12/24 14:25	1
Toluene	<0.15		0.25	0.15	ug/Kg			04/12/24 14:25	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/Kg			04/12/24 14:25	1

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

Lab Sample ID: MB 500-762900/8
Matrix: Solid
Analysis Batch: 762900

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/Kg			04/12/24 14:25	1
Trichloroethene	<0.16		0.50	0.16	ug/Kg			04/12/24 14:25	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/Kg			04/12/24 14:25	1
Vinyl chloride	<0.26		1.0	0.26	ug/Kg			04/12/24 14:25	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			04/12/24 14:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*		*04/12/24 14:25*	*1*
4-Bromofluorobenzene (Surr)	*112*		*72 - 124*		*04/12/24 14:25*	*1*
Dibromofluoromethane	*111*		*75 - 120*		*04/12/24 14:25*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*04/12/24 14:25*	*1*

Lab Sample ID: LCS 500-762900/5
Matrix: Solid
Analysis Batch: 762900

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	50.0	47.8		ug/Kg		96	70 - 125
1,1,1-Trichloroethane	50.0	50.6		ug/Kg		101	70 - 125
1,1,2,2-Tetrachloroethane	50.0	42.6		ug/Kg		85	62 - 140
1,1,2-Trichloroethane	50.0	44.0		ug/Kg		88	71 - 130
1,1-Dichloroethane	50.0	39.9		ug/Kg		80	70 - 125
1,1-Dichloroethene	50.0	45.6		ug/Kg		91	67 - 122
1,1-Dichloropropene	50.0	45.3		ug/Kg		91	70 - 121
1,2,3-Trichlorobenzene	50.0	39.1		ug/Kg		78	51 - 145
1,2,3-Trichloropropane	50.0	47.5		ug/Kg		95	50 - 133
1,2,4-Trichlorobenzene	50.0	39.3		ug/Kg		79	57 - 137
1,2,4-Trimethylbenzene	50.0	46.4		ug/Kg		93	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	36.0		ug/Kg		72	56 - 123
1,2-Dibromoethane (EDB)	50.0	46.1		ug/Kg		92	70 - 125
1,2-Dichlorobenzene	50.0	46.9		ug/Kg		94	70 - 125
1,2-Dichloroethane	50.0	46.1		ug/Kg		92	68 - 127
1,2-Dichloropropane	50.0	39.7		ug/Kg		79	67 - 130
1,3,5-Trimethylbenzene	50.0	47.2		ug/Kg		94	70 - 123
1,3-Dichlorobenzene	50.0	47.3		ug/Kg		95	70 - 125
1,3-Dichloropropane	50.0	44.4		ug/Kg		89	62 - 136
1,4-Dichlorobenzene	50.0	46.7		ug/Kg		93	70 - 120
2,2-Dichloropropane	50.0	48.3		ug/Kg		97	58 - 139
2-Chlorotoluene	50.0	45.9		ug/Kg		92	70 - 125
4-Chlorotoluene	50.0	46.3		ug/Kg		93	68 - 124
Benzene	50.0	41.4		ug/Kg		83	70 - 120
Bromobenzene	50.0	49.6		ug/Kg		99	70 - 122
Bromochloromethane	50.0	50.8		ug/Kg		102	65 - 122
Bromodichloromethane	50.0	48.4		ug/Kg		97	69 - 120
Bromoform	50.0	41.4		ug/Kg		83	56 - 132
Bromomethane	50.0	51.4		ug/Kg		103	40 - 152
Carbon tetrachloride	50.0	52.7		ug/Kg		105	59 - 133
Chlorobenzene	50.0	47.7		ug/Kg		95	70 - 120

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

Lab Sample ID: LCS 500-762900/5
Matrix: Solid
Analysis Batch: 762900

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroethane	50.0	39.8		ug/Kg		80	48 - 136
Chloroform	50.0	40.6		ug/Kg		81	70 - 120
Chloromethane	50.0	30.7		ug/Kg		61	56 - 152
cis-1,2-Dichloroethene	50.0	45.1		ug/Kg		90	70 - 125
cis-1,3-Dichloropropene	50.0	43.9		ug/Kg		88	64 - 127
Dibromochloromethane	50.0	48.6		ug/Kg		97	68 - 125
Dibromomethane	50.0	46.6		ug/Kg		93	70 - 120
Dichlorodifluoromethane	50.0	47.1		ug/Kg		94	40 - 159
Ethylbenzene	50.0	43.3		ug/Kg		87	70 - 123
Hexachlorobutadiene	50.0	29.3		ug/Kg		59	51 - 150
Isopropylbenzene	50.0	48.8		ug/Kg		98	70 - 126
Methyl tert-butyl ether	50.0	44.8		ug/Kg		90	55 - 123
Methylene Chloride	50.0	41.5		ug/Kg		83	69 - 125
Naphthalene	50.0	40.0		ug/Kg		80	53 - 144
n-Butylbenzene	50.0	41.5		ug/Kg		83	68 - 125
N-Propylbenzene	50.0	46.0		ug/Kg		92	69 - 127
p-Isopropyltoluene	50.0	45.6		ug/Kg		91	70 - 125
sec-Butylbenzene	50.0	44.8		ug/Kg		90	70 - 123
Styrene	50.0	44.8		ug/Kg		90	70 - 120
tert-Butylbenzene	50.0	46.8		ug/Kg		94	70 - 121
Tetrachloroethene	50.0	47.4		ug/Kg		95	70 - 128
Toluene	50.0	43.4		ug/Kg		87	70 - 125
trans-1,2-Dichloroethene	50.0	45.4		ug/Kg		91	70 - 125
trans-1,3-Dichloropropene	50.0	44.4		ug/Kg		89	62 - 128
Trichloroethene	50.0	50.7		ug/Kg		101	70 - 125
Trichlorofluoromethane	50.0	48.6		ug/Kg		97	55 - 128
Vinyl chloride	50.0	36.3		ug/Kg		73	64 - 126
Xylenes, Total	100	85.0		ug/Kg		85	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*
Dibromofluoromethane	*109*		*75 - 120*
Toluene-d8 (Surr)	*101*		*75 - 120*

Lab Sample ID: MB 500-763082/7
Matrix: Solid
Analysis Batch: 763082

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	<0.46		1.0	0.46	ug/Kg			04/15/24 10:32	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/Kg			04/15/24 10:32	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/Kg			04/15/24 10:32	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/Kg			04/15/24 10:32	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/Kg			04/15/24 10:32	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/Kg			04/15/24 10:32	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/Kg			04/15/24 10:32	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/Kg			04/15/24 10:32	1

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

Lab Sample ID: MB 500-763082/7
Matrix: Solid
Analysis Batch: 763082

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/Kg			04/15/24 10:32	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/Kg			04/15/24 10:32	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			04/15/24 10:32	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/Kg			04/15/24 10:32	1
1,2-Dibromoethane (EDB)	<0.39		1.0	0.39	ug/Kg			04/15/24 10:32	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/Kg			04/15/24 10:32	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/Kg			04/15/24 10:32	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/Kg			04/15/24 10:32	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			04/15/24 10:32	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/Kg			04/15/24 10:32	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/Kg			04/15/24 10:32	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/Kg			04/15/24 10:32	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/Kg			04/15/24 10:32	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/Kg			04/15/24 10:32	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/Kg			04/15/24 10:32	1
Benzene	<0.15		0.25	0.15	ug/Kg			04/15/24 10:32	1
Bromobenzene	<0.36		1.0	0.36	ug/Kg			04/15/24 10:32	1
Bromochloromethane	<0.43		1.0	0.43	ug/Kg			04/15/24 10:32	1
Bromodichloromethane	<0.37		1.0	0.37	ug/Kg			04/15/24 10:32	1
Bromoform	<0.48		1.0	0.48	ug/Kg			04/15/24 10:32	1
Bromomethane	<0.80		3.0	0.80	ug/Kg			04/15/24 10:32	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/Kg			04/15/24 10:32	1
Chlorobenzene	<0.39		1.0	0.39	ug/Kg			04/15/24 10:32	1
Chloroethane	<0.50		5.0	0.50	ug/Kg			04/15/24 10:32	1
Chloroform	<0.37		2.0	0.37	ug/Kg			04/15/24 10:32	1
Chloromethane	<0.32		5.0	0.32	ug/Kg			04/15/24 10:32	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/Kg			04/15/24 10:32	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/Kg			04/15/24 10:32	1
Dibromochloromethane	<0.49		1.0	0.49	ug/Kg			04/15/24 10:32	1
Dibromomethane	<0.27		1.0	0.27	ug/Kg			04/15/24 10:32	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/Kg			04/15/24 10:32	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			04/15/24 10:32	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/Kg			04/15/24 10:32	1
Isopropyl ether	<0.28		1.0	0.28	ug/Kg			04/15/24 10:32	1
Isopropylbenzene	<0.38		1.0	0.38	ug/Kg			04/15/24 10:32	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			04/15/24 10:32	1
Methylene Chloride	<1.6		5.0	1.6	ug/Kg			04/15/24 10:32	1
Naphthalene	<0.33		1.0	0.33	ug/Kg			04/15/24 10:32	1
n-Butylbenzene	<0.39		1.0	0.39	ug/Kg			04/15/24 10:32	1
N-Propylbenzene	<0.41		1.0	0.41	ug/Kg			04/15/24 10:32	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/Kg			04/15/24 10:32	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/Kg			04/15/24 10:32	1
Styrene	<0.39		1.0	0.39	ug/Kg			04/15/24 10:32	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/Kg			04/15/24 10:32	1
Tetrachloroethene	<0.37		1.0	0.37	ug/Kg			04/15/24 10:32	1
Toluene	<0.15		0.25	0.15	ug/Kg			04/15/24 10:32	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/Kg			04/15/24 10:32	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/Kg			04/15/24 10:32	1
Trichloroethene	<0.16		0.50	0.16	ug/Kg			04/15/24 10:32	1

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

Lab Sample ID: MB 500-763082/7
Matrix: Solid
Analysis Batch: 763082

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<0.43		1.0	0.43	ug/Kg			04/15/24 10:32	1
Vinyl chloride	<0.26		1.0	0.26	ug/Kg			04/15/24 10:32	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			04/15/24 10:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*		*04/15/24 10:32*	*1*
4-Bromofluorobenzene (Surr)	*88*		*72 - 124*		*04/15/24 10:32*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*04/15/24 10:32*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*04/15/24 10:32*	*1*

Lab Sample ID: LCS 500-763082/4
Matrix: Solid
Analysis Batch: 763082

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	55.8		ug/Kg		112	70 - 125
1,1,1-Trichloroethane	50.0	56.5		ug/Kg		113	70 - 125
1,1,2,2-Tetrachloroethane	50.0	49.6		ug/Kg		99	62 - 140
1,1,2-Trichloroethane	50.0	54.7		ug/Kg		109	71 - 130
1,1-Dichloroethane	50.0	51.5		ug/Kg		103	70 - 125
1,1-Dichloroethene	50.0	57.9		ug/Kg		116	67 - 122
1,1-Dichloropropene	50.0	55.6		ug/Kg		111	70 - 121
1,2,3-Trichlorobenzene	50.0	49.4		ug/Kg		99	51 - 145
1,2,3-Trichloropropane	50.0	45.8		ug/Kg		92	50 - 133
1,2,4-Trichlorobenzene	50.0	51.7		ug/Kg		103	57 - 137
1,2,4-Trimethylbenzene	50.0	52.9		ug/Kg		106	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	41.4		ug/Kg		83	56 - 123
1,2-Dibromoethane (EDB)	50.0	50.2		ug/Kg		100	70 - 125
1,2-Dichlorobenzene	50.0	54.5		ug/Kg		109	70 - 125
1,2-Dichloroethane	50.0	44.8		ug/Kg		90	68 - 127
1,2-Dichloropropane	50.0	51.1		ug/Kg		102	67 - 130
1,3,5-Trimethylbenzene	50.0	54.2		ug/Kg		108	70 - 123
1,3-Dichlorobenzene	50.0	53.5		ug/Kg		107	70 - 125
1,3-Dichloropropane	50.0	50.7		ug/Kg		101	62 - 136
1,4-Dichlorobenzene	50.0	52.8		ug/Kg		106	70 - 120
2,2-Dichloropropane	50.0	45.9		ug/Kg		92	58 - 139
2-Chlorotoluene	50.0	52.5		ug/Kg		105	70 - 125
4-Chlorotoluene	50.0	51.4		ug/Kg		103	68 - 124
Benzene	50.0	57.0		ug/Kg		114	70 - 120
Bromobenzene	50.0	52.7		ug/Kg		105	70 - 122
Bromochloromethane	50.0	51.2		ug/Kg		102	65 - 122
Bromodichloromethane	50.0	48.9		ug/Kg		98	69 - 120
Bromoform	50.0	53.4		ug/Kg		107	56 - 132
Bromomethane	50.0	58.7		ug/Kg		117	40 - 152
Carbon tetrachloride	50.0	57.7		ug/Kg		115	59 - 133
Chlorobenzene	50.0	56.7		ug/Kg		113	70 - 120
Chloroethane	50.0	46.8		ug/Kg		94	48 - 136
Chloroform	50.0	50.9		ug/Kg		102	70 - 120

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

Lab Sample ID: LCS 500-763082/4
Matrix: Solid
Analysis Batch: 763082

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	50.0	48.4		ug/Kg		97	56 - 152
cis-1,2-Dichloroethene	50.0	52.9		ug/Kg		106	70 - 125
cis-1,3-Dichloropropene	50.0	48.1		ug/Kg		96	64 - 127
Dibromochloromethane	50.0	54.5		ug/Kg		109	68 - 125
Dibromomethane	50.0	47.0		ug/Kg		94	70 - 120
Dichlorodifluoromethane	50.0	48.2		ug/Kg		96	40 - 159
Ethylbenzene	50.0	55.6		ug/Kg		111	70 - 123
Hexachlorobutadiene	50.0	57.3		ug/Kg		115	51 - 150
Isopropylbenzene	50.0	56.3		ug/Kg		113	70 - 126
Methyl tert-butyl ether	50.0	43.0		ug/Kg		86	55 - 123
Methylene Chloride	50.0	50.0		ug/Kg		100	69 - 125
Naphthalene	50.0	43.4		ug/Kg		87	53 - 144
n-Butylbenzene	50.0	54.3		ug/Kg		109	68 - 125
N-Propylbenzene	50.0	53.8		ug/Kg		108	69 - 127
p-Isopropyltoluene	50.0	55.9		ug/Kg		112	70 - 125
sec-Butylbenzene	50.0	56.7		ug/Kg		113	70 - 123
Styrene	50.0	55.3		ug/Kg		111	70 - 120
tert-Butylbenzene	50.0	56.5		ug/Kg		113	70 - 121
Tetrachloroethene	50.0	61.5		ug/Kg		123	70 - 128
Toluene	50.0	52.8		ug/Kg		106	70 - 125
trans-1,2-Dichloroethene	50.0	58.7		ug/Kg		117	70 - 125
trans-1,3-Dichloropropene	50.0	47.0		ug/Kg		94	62 - 128
Trichloroethene	50.0	54.6		ug/Kg		109	70 - 125
Trichlorofluoromethane	50.0	51.4		ug/Kg		103	55 - 128
Vinyl chloride	50.0	51.9		ug/Kg		104	64 - 126
Xylenes, Total	100	106		ug/Kg		106	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*83*		*75 - 126*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*
Dibromofluoromethane	*93*		*75 - 120*
Toluene-d8 (Surr)	*104*		*75 - 120*

Lab Chronicle

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-248685-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Client Sample ID: MW-31 (7.5-10')
Lab Sample ID: 500-248685-1
Date Collected: 04/05/24 11:35
Matrix: Solid
Date Received: 04/09/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			762341	WRE	EET CHI	04/05/24 11:35
Total/NA	Analysis	8260D		50	762900	EA	EET CHI	04/12/24 19:44
Total/NA	Analysis	Moisture		1	762513	MR	EET CHI	04/10/24 16:26

Client Sample ID: MW-31 (15-17.5')
Lab Sample ID: 500-248685-2
Date Collected: 04/05/24 11:40
Matrix: Solid
Date Received: 04/09/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			762341	WRE	EET CHI	04/05/24 11:40
Total/NA	Analysis	8260D		50	762900	EA	EET CHI	04/12/24 20:08
Total/NA	Analysis	Moisture		1	762513	MR	EET CHI	04/10/24 16:26

Client Sample ID: MW-31 (25-27.5')
Lab Sample ID: 500-248685-3
Date Collected: 04/05/24 11:50
Matrix: Solid
Date Received: 04/09/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			762341	WRE	EET CHI	04/05/24 11:50
Total/NA	Analysis	8260D		50	762900	EA	EET CHI	04/12/24 20:33
Total/NA	Analysis	Moisture		1	762513	MR	EET CHI	04/10/24 16:26

Client Sample ID: MW-32 (5-7.5')
Lab Sample ID: 500-248685-4
Date Collected: 04/05/24 12:45
Matrix: Solid
Date Received: 04/09/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			762341	WRE	EET CHI	04/05/24 12:45
Total/NA	Analysis	8260D		50	762900	EA	EET CHI	04/12/24 20:57
Total/NA	Analysis	Moisture		1	762513	MR	EET CHI	04/10/24 16:26

Client Sample ID: MW-32 (15-17.5')
Lab Sample ID: 500-248685-5
Date Collected: 04/05/24 12:55
Matrix: Solid
Date Received: 04/09/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			762341	WRE	EET CHI	04/05/24 12:55
Total/NA	Analysis	8260D		50	762900	EA	EET CHI	04/12/24 21:22
Total/NA	Analysis	Moisture		1	762513	MR	EET CHI	04/10/24 16:26

Lab Chronicle

Client: GZA GeoEnvironmental, Inc.
Job ID: 500-248685-1
Project/Site: Former Gardner, Horicon - 20.0153134.30

Client Sample ID: MW-32 (22.5-25')
Lab Sample ID: 500-248685-6
Date Collected: 04/05/24 13:00
Matrix: Solid
Date Received: 04/09/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			762341	WRE	EET CHI	04/05/24 13:00
Total/NA	Analysis	8260D		50	762900	EA	EET CHI	04/12/24 21:46
Total/NA	Analysis	Moisture		1	762706	MR	EET CHI	04/11/24 13:48

Client Sample ID: Trip Blank
Lab Sample ID: 500-248685-7
Date Collected: 04/05/24 00:00
Matrix: Solid
Date Received: 04/09/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			762341	WRE	EET CHI	04/05/24 00:00
Total/NA	Analysis	8260D		50	762900	EA	EET CHI	04/12/24 22:11

Client Sample ID: MW-32
Lab Sample ID: 500-248685-8
Date Collected: 04/08/24 13:08
Matrix: Water
Date Received: 04/09/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		5	762899	EA	EET CHI	04/12/24 16:28
Total/NA	Analysis	8260D	DL	50	762899	EA	EET CHI	04/12/24 16:53

Client Sample ID: MW-31
Lab Sample ID: 500-248685-9
Date Collected: 04/08/24 13:26
Matrix: Water
Date Received: 04/09/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	762899	EA	EET CHI	04/12/24 16:04

Client Sample ID: Trip Blank
Lab Sample ID: 500-248685-10
Date Collected: 04/08/24 00:00
Matrix: Water
Date Received: 04/09/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	762899	EA	EET CHI	04/12/24 14:50

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

Accreditation/Certification Summary

Client: GZA GeoEnvironmental, Inc. Job ID: 500-248685-1
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

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: C. AINSWORTH	Lab PM: Fredrick Sandie	Carrier Tracking No(s):	COC No: 500-122964-34483 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:	Analysis Requested		Job #: 500-248685
Address: 17975 W Sarah Lane Suite 100	Due Date Requested:			Preservation Codes: A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify); Other:
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 20 0153134 30	Project #: 50010928			
Site:	SSOW#:			

500-248685 COC

	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)	8260D - VOC	8260D - VOC	DRY WT	Total Number of containers	Special Instructions/Note
				Preservation Code:				N	A			
1	MW-31 (7.5-10')	4/5/2024	1135	G	Solid			X		X		
2	MW-31 (15-17.5')		1140		Solid			X		X		
3	MW-31 (25-27.5')		1150		Solid			X		X		
4	MW-32 (5-7.5')		1245		Solid			X		X		
5	MW-32 (15-17.5')		1255		Solid			X		X		
6	MW-32 (22.5-25')		1300		Solid			X		X		
7	TRIP BLANK				Solid			X				
					Solid							
					Solid							
					Water							
					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
	[signature]	4/8/24 1600	GZA	FedEx		
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
				[signature]	04/09/24 0945	EETA
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
Δ Yes Δ No		0.7 → 0.1

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: C. Ainsworth	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-122964-34483.2
Client Contact: Bernard Fenelon	Phone:	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: WI	Page: Page 2 of 2
Company: GZA GeoEnvironmental, Inc.	PWSID:			Job #: 500-248685
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 20.0153134.30	Project #: 50010928			
Site:	SSOW#:			

Analysis Requested

500-248685 Waybi

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Y - Trizma
Z - other (specify)
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)	8260D - VOC	8260D - VOC											Total number of containers	Special Instructions/Note:
	Preservation Code:							N	A												
8	MW-32	4/8/2024	1308	G	Water			X													
9	MW-31	1	1326	G	Water			X													
10	TRIP BLANK							X													

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
		4/8/24 1600	GZA	FED EX		
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
					04/09/24 0945	EETA
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.7 → 0.1

Login Sample Receipt Checklist

Client: GZA GeoEnvironmental, Inc.

Job Number: 500-248685-1

Login Number: 248685
List Number: 1
Creator: Schmidt, Kara

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	0.1
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	