



GILES

ENGINEERING ASSOCIATES, INC.

GEOTECHNICAL, ENVIRONMENTAL & CONSTRUCTION MATERIALS CONSULTANTS

- Dallas, TX
- Los Angeles, CA
- Manassas, VA
- Milwaukee, WI

June 3, 2024

Wisconsin Department of Natural Resources
Remediation and Redevelopment Department
101 S. Webster St.
P.O. Box 7921
Madison, WI 53707-7921

Attention: Mr. Andy Alles, Hydrogeologist

Subject: Remedial Action Report
Former Dry Cleaners (Westfield Way)
690 Westfield Way
Pewaukee, Wisconsin 53072
WDNR BRRTS #: 02-68-594047; WDNR FID #: 268708440
Giles Project No. 1E-2308010

Dear Mr. Alles:

Giles Engineering Associates, Inc. (Giles) has prepared this document to summarize the remedial activities conducted on the parcel located at 690 Westfield Way, City of Pewaukee, Waukesha County, Wisconsin (the "Site"). The location of the Site is depicted on Figure 1.

BACKGROUND INFORMATION

Giles performed a review of environmental documents for the Site based on previous reports supported by studies conducted in 2008 and 2016 by others. Based on our review, the Site had operated as a dry cleaner facility from 1999 through 2020, when it became a drop-off site. The tenant space was investigated in 2008 and 2016 and no soil or groundwater impacts were detected above regulatory criteria during these investigations. The Site was operated as a drop-off location from 2020 to 2023 when all operations ceased.

Limited Phase II ESA

Giles completed a Limited Phase II ESA on the Site, dated September 8, 2023. The investigation consisted of the advancement of three (3) soil probes (B-1 through B-3); two exterior probes (B-1 and B-2), and one interior probe (B-3), near the location of the former dry-cleaning machine. The exterior probes were advanced to a depth of 15 feet (ft) below ground surface (bgs) and sampled at a depth of 2 to 4 ft bgs. The interior probe was advanced to a depth of 5 ft bgs and was sampled at a depth of 2 to 4 ft bgs. One exterior soil probe (B-1/TW-1) was converted into a temporary groundwater well; however, no groundwater sample was obtained. The soil samples were submitted for laboratory analysis of chlorinated volatile organic compounds (CVOCs) by Eurofins located in University Park, Illinois.

Giles also collected one (1) sub-slab soil-gas sample (SS-1) near the location of the former dry-cleaning machine. The soil-gas sampling location was constructed using a Vapor Pin® sampling device. A 5/8-inch diameter hole was drilled through the concrete floor and the Vapor Pin® was installed for sampling. After sampling was complete, the Vapor Pin® was removed and the concrete floor was patched. The location of the sub-slab soil-gas sample is shown in Figure 2. The sample was then submitted for laboratory analysis of CVOCs by Pace Analytical located in Green Bay, Wisconsin.

Review of the soil laboratory results indicated that one CVOC, Tetrachloroethene (PCE), was detected in one exterior soil sample (B-2) by the rear service door. The compound was detected at concentrations that exceed the Wisconsin Department of Natural Resources (WDNR) residual contaminant level (RCL) for the groundwater protection pathway. CVOCs were not detected in the exterior soil sample from boring B-1 or in the interior sample from boring B-3. Review of the soil-gas laboratory results indicated that no CVOCs were detected above their respective Vapor Risk Screening Level (VRSL) for residential, small commercial, and large commercial/industrial properties.

Supplemental Investigation

Based on the Limited Phase II ESA findings, Giles completed a Supplemental Investigation at the Site, dated January 11, 2024. The Supplemental Investigation sampling consisted of the advancement and sampling of six additional exterior soil probes on October 6 (B-4 through B-6), and November 2, 2023 (B-4A, B-7, and B-8), to delineate the extent of the PCE horizontally and vertically. The borings were advanced to depths ranging from 5 to 15 ft bgs and sampled at a depth interval of 2 to 4 ft and/or 6 to 8 ft bgs. One boring (MW-1) was installed as a Wisconsin Administrative Code (WAC) Natural Resources (NR) Ch. 141 compliant well and sampled on November 10, 2023. The soil and groundwater samples were submitted for laboratory analysis of CVOCs by Eurofins located in University Park, Illinois.

Lab results for the collected soil samples indicated a PCE exceedance in the soil samples from probes B-4 and B-7 (both 2 to 5 ft bgs). The detections exceeded the WAC Ch. NR 720 RCL for soil to groundwater pathway. The deeper interval samples from soil probes B-4A and B-7 (both 6 to 8 ft bgs) had no detection of PCE and were below the laboratory's method detection limit.

Two groundwater samples were collected from the WAC NR Ch. 141 well (MW-1) installed on site. Both samples had detections of PCE in exceedance of the WAC Ch. NR 140 Preventative Action Limit (PAL). No other CVOC's were detected in the samples.

REMEDIAL ACTION FIELD ACTIVITIES

On April 24, 2024, a Giles representative observed the excavation of soil in the area outside of the rear service door. Excavation and trucking services were performed by R&W Trucking, Inc. (S64 W31905 Road X, Mukwonago, Wisconsin). The excavation was advanced to approximately 4 ft bgs based on previous analytical results, indicating the top four feet of soil is impacted. This soil was removed and hauled to Waste Management Orchard Ridge Recycling and Disposal Facility (RDF) located in Menomonee Falls, Wisconsin. A concrete stoop behind the rear service door

was removed and the soil below it as well. A total of 76 tons of soil was removed. A disposal profile application was created for the soil and soil manifests from disposal are included in Attachment A.

Confirmation soil samples were also collected from the base of the excavation in close proximity to the building. Excavation extents were determined from analytical results of previously collected soil samples from the prior Limited Phase II ESA and Supplemental Investigation. The confirmation soil samples were collected in laboratory supplied containers with applicable preservation for the analytical methods. Samples were stored and preserved for transport in a cooler on ice. Confirmation samples were submitted for analysis of VOCs by Eurofins located in University Park, Illinois.

A groundwater sample was collected from MW-1 prior to abandonment. The well was purged with a disposable plastic bailer and a sample was collected using the bailer and a polyethylene VOC tip. Three laboratory-supplied, 40-mL glass vials containing hydrochloric acid preservative were completely filled and sealed with a silicone septa-type lid. Upon collection, the groundwater sample was placed on ice within a cooler on ice. The sample was submitted for analysis of VOCs by Eurofins located in University Park, Illinois.

On April 25, 2024, a Giles representative observed the backfilling of the excavation. The excavation was backfilled with approximately 2 ft of clean 1 inch stone, which was subsequently compacted. Approximately 2 ft of clean traffic bond was backfilled and then compacted after the clean stone. The entire excavation area was then paved with fresh asphalt.

ANALYTICAL RESULTS

Soil confirmation samples gathered from the base of the excavation indicated that there is a detection of PCE. PCE was detected in confirmation sample C-1 in exceedance of its WAC Ch. NR 720 for the groundwater protection pathway. It should be noted that the soil sample was “J” flagged. The laboratory “J” flags a sample detection when the value is an estimate. There were no additional detections of VOCs in the soil confirmation samples. The soil analytical results are summarized in Table 1. Laboratory analytical reports and chain of custody information from confirmation sampling is provided in Attachment B.

Groundwater was encountered at approximately 17.4 ft bgs on April 22, 2024. PCE was detected at a concentration slightly exceeding its WAC Ch. NR 140 Preventative Action Limit (PAL). The groundwater analytical results are summarized in Table 2, and the laboratory report and chain-of-custody documentation are included in Attachment C.

CONCLUSIONS & RECOMMENDATIONS

Giles observed the removal of PCE contaminated soil from the Site in the area of the rear service door. Based on the results of the confirmation sampling, no further excavation of the PCE contamination source is warranted. A No Action Required petition request is being submitted congruently with this Remedial Action Report.

CLOSING

If there are any questions regarding the information contained herein, please contact the undersigned with any questions or to request additional information.

Sincerely,

GILES ENGINEERING ASSOCIATES, INC.



Cody L. Reich
Staff Professional



Daniel K. Pelczar C.P.G., P.G.
Senior Project Manager

FIGURES

Figure 1 Site Location Map
Figure 2 Excavation Location Map

TABLES

Table 1 Soil Analytical Results
Table 2 Groundwater Analytical Results

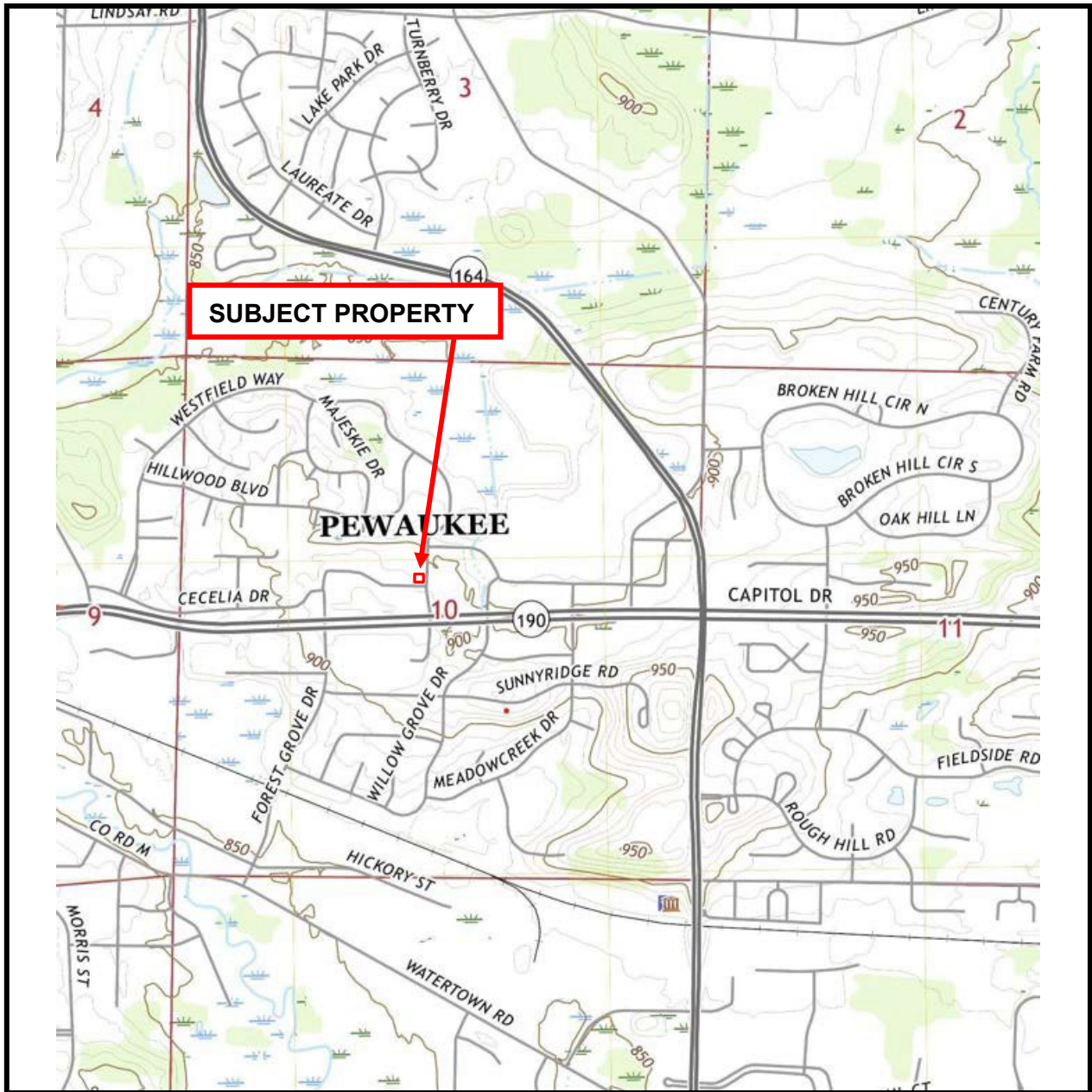
ATTACHMENTS

Attachment A Soil Profile and Soil Manifest Forms
Attachment B Soil Analytical Laboratory Report & Chain-of-Custody Documentation
Attachment C Groundwater Analytical Laboratory Report & Chain-of-Custody Documentation

Distribution: The Kenmore Group, LLC
Attn: Mr. Saf Sarich (TKG) (PDF via email: saf@thekenmoregroup.com)

Wisconsin Dept. of Natural Resources Remediation and Redevelopment Dept.
Attn: Mr. Andy Alles (1 PDF e-mailed to: Andy.Alles@wisconsin.gov)

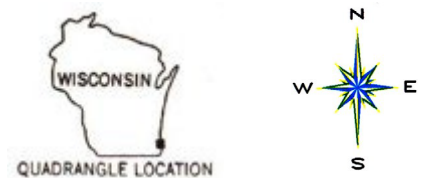
FIGURES



Source: USGS Waukesha, WI 2022 7.5 Minute Series (Topographic) Quadrangle Map

Original Scale: 1:24,000
 Contour Interval: 10 Feet

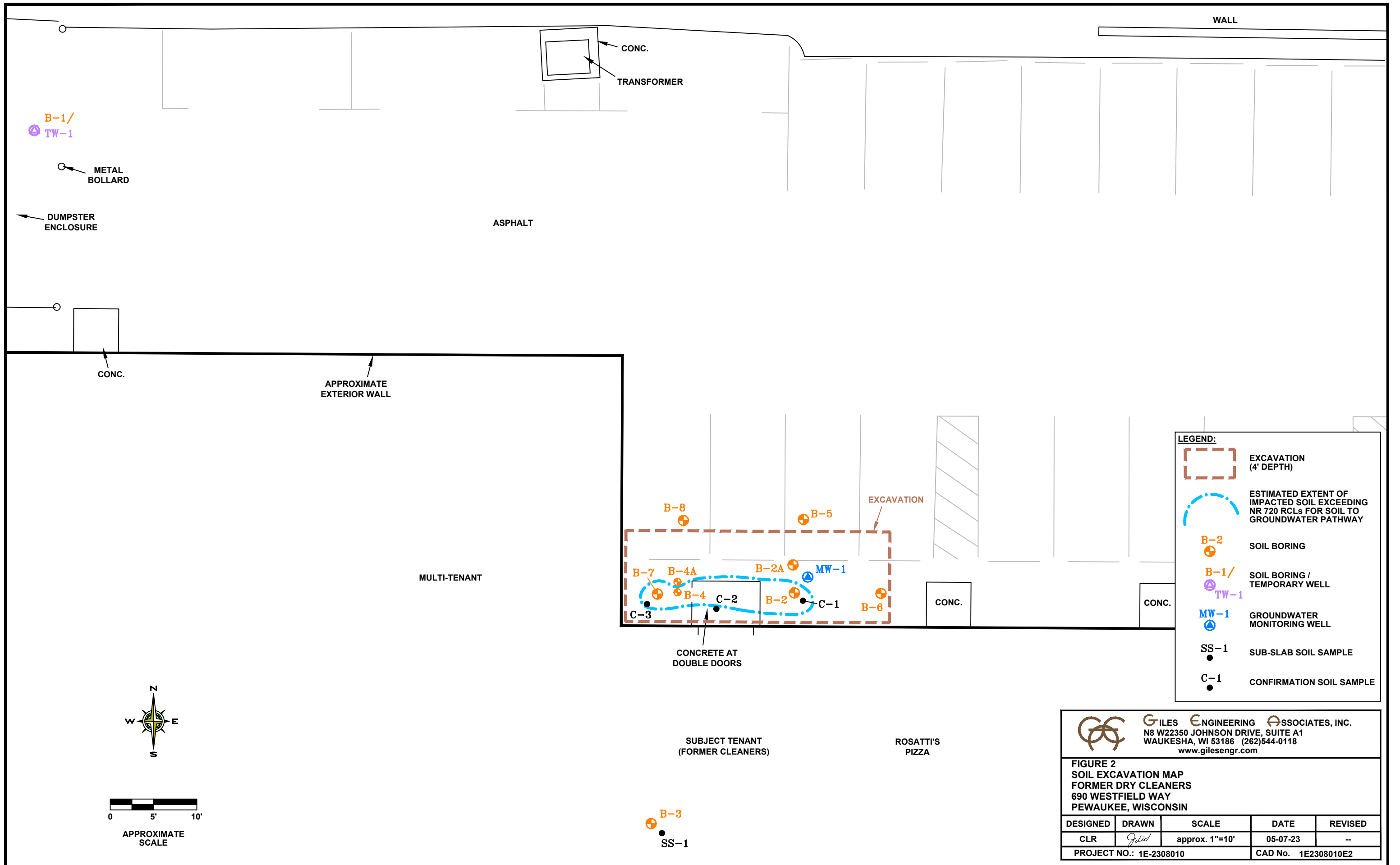
FIGURE 1
SUBJECT PROPERTY LOCATION



Former Dry Cleaner
690 Westfield Way
Pewaukee, Wisconsin
Project No. 1E-2308010



GILES
 ENGINEERING ASSOCIATES, INC.



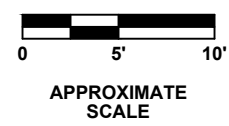
LEGEND:

- EXCAVATION (4' DEPTH)
- ESTIMATED EXTENT OF IMPACTED SOIL EXCEEDING NR 720 RCLs FOR SOIL TO GROUNDWATER PATHWAY
- B-2 SOIL BORING
- B-1/TW-1 SOIL BORING / TEMPORARY WELL
- MW-1 GROUNDWATER MONITORING WELL
- SS-1 SUB-SLAB SOIL SAMPLE
- C-1 CONFIRMATION SOIL SAMPLE

GILES ENGINEERING ASSOCIATES, INC.
 N8 W22350 JOHNSON DRIVE, SUITE A1
 WAUKESHA, WI 53186 (262)544-0118
 www.gilesengr.com

FIGURE 2
SOIL EXCAVATION MAP
 FORMER DRY CLEANERS
 690 WESTFIELD WAY
 PEWAUKEE, WISCONSIN

DESIGNED	DRAWN	SCALE	DATE	REVISED
CLR	<i>Jed</i>	approx. 1"=10'	05-07-23	--
PROJECT NO.: 1E-2308010			CAD No. 1E2308010E2	



B-3

 SS-1

TABLES

Table 1
Soil Analytical Results
Former Dry Cleaners
690 Westfield Way
Pewaukee, Wisconsin
BRRTS Number 02-68-594047
Project Number 1E-2308010

Sample Location	B-1	B-2	B-2A	B-3	B-4	B-4A	B-5	B-6	B-7		B-8	C-1	C-2	C-3	NR 720 RCLs ¹		
Sample Depth (feet bgs)	2-4'	2-4'	6-8'	2-4'	2-4'	6-8'	2-4'	2-4'	2-4'	6-8'	2-4'	4'	4'	4'	Soil to Groundwater Pathway	Direct Contact Pathway	
Sample Date	8/21/23	8/21/23	10/6/23	8/21/23	10/6/23	11/2/23	10/6/23	10/6/23	11/2/23	11/2/23	11/2/23	4/24/24	4/24/24	4/24/24		Non- Industrial Land Use	Industrial Land Use
Saturated/Unsaturated (S or U)	U	U	U	U	U	U	U	U	U	U	U	U	U	U			
Fill/Native (F or N)	F	F	N	F	F	N	F	F	F	F	F	F	F	F			
PID (instrument units)	35.1	21.4	0.0	36.1	0.0	0.2	0.0	0.6	0.0	0.0	0.3	0.2	0.1	0.1			
Detected VOCs (µg/kg)																	
1,1-Dichloroethane	<24	<23	<25	<29	<26	--	<23	<23	--	--	--	<16	<7.7	<15	483	5,060	22,200
1,1-Dichloroethene	--	--	<23	--	<24	<22	<22	<22	<24	<22	<22	<17	<8.6	<17	5.0	320,000	1,190,000
1,2-Dichloroethane	<23	<22	<24	<28	<24	<22	<22	<22	<24	<22	<22	<21	<10	<20	2.8	652	2,870
cis-1,2-Dichloroethene	<23	<23	<25	<29	<25	<23	<23	<23	<25	<23	<23	<14	<6.9	<13	41	156,000	2,340,000
Tetrachloroethene (PCE)	<21	<u>200</u>	<22	<26	<u>93</u>	<21	<21	<21	<u>58 J</u>	<21	<21	<u>39 J</u>	<3.4	<6.5	4.5	33,000	145,000
trans-1,2-Dichloroethene	<20	<20	<21	<25	<22	<20	<20	<20	<21	<20	<20	<12	<5.9	<11	63	1,560,000	1,850,000
Trichloroethene (TCE)	<9.4	<9.3	<9.9	<12	<10	<9.3	<9.2	<9.2	<9.9	<9.3	<9.3	<14	<6.9	<14	3.6	1,260	8,410
Vinyl chloride	<15	<15	<16	<19	<16	<15	<15	<15	<16	<15	<15	<17	<8.4	<16	0.1	67	2,080

Notes:

¹Wisconsin Administrative Code Natural Resources Chapter (NR) 720 Residual Contaminant Levels (RCLs) obtained from the Wisconsin Department of Natural Resources (WDNR) "RCL spreadsheet", last updated December 2018.

PID: Photoionization Detector

VOCs: Volatile Organic Compounds

µg/kg: Micrograms per kilogram; equivalent to parts per billion (ppb)

-- : Not Analyzed

J: Result is an estimate value (detected between the laboratory method detection limit and reporting limit)

<xx.x: Result detected below the method detection limit of x

xx.x: Underlined results exceed the Soil to Groundwater Pathway RCL

Table 2
Groundwater Analytical Results

Former Dry Cleaners
690 Westfield Way
Pewaukee, Wisconsin
BRRTS Number 02-68-594047
Project Number 1E-2308010

Sample Location	MW-1			NR 140 ¹ (µg/L)	
Sample Date	11/10/23	1/2/24	4/22/24	PAL	ES
Depth to Water (Ft below TOC)	17.37	17.49	17.42		
Detected VOCs (µg/L)					
1,1-Dichloroethane	--	--	<0.38	85	850
1,1-Dichloroethene	<0.39	<0.39	<0.29	0.7	7
1,2-Dichloroethane	<0.39	<0.39	<0.21	0.5	5
cis-1,2-Dichloroethene	<0.41	<0.41	<0.81	7	70
Tetrachloroethene (PCE)	(2.3)	(2.7)	(0.60 J)	0.5	5
trans-1,2-Dichloroethene	<0.35	<0.35	<0.90	20	100
Trichloroethene (TCE)	<0.16	<0.16	<0.46	0.5	5
Vinyl chloride	<0.20	<0.20	<0.90	0.02	0.2

Notes:

¹Wisconsin Administrative Code Natural Resources Chapter (NR) 140 Public Health Groundwater Quality Standards, updated July 2023

PAL: Preventive Action Limit

ES: Enforcement Standard

TOC: Top of Casing

VOCs: Volatile Organic Compounds

µg/L: Micrograms per Liter; equivalent to parts per billion (ppb)

-- : Not analyzed

<xx.x: Result concentration was detected below the method detection limit of x

(xx.x) : Italic/parenthesized results exceed the NR 140 Preventive Action Limit

ATTACHMENT A

Soil Profile and Soil Manifest Forms



Requested Facility: Orchard Ridge RDF
Multiple Generator Locations (Attach Locations)
Request Certificate of Disposal
Renewal? Original Profile Number:
Unsure Profile Number: 140773WI

A. GENERATOR INFORMATION (MATERIAL ORIGIN)

- 1. Generator Name: The Kenmore Group, LLC
2. Generator Site Address: 690 WESTFIELD WAY
3. County: Waukesha
4. Contact Name: Saf Sarich
5. Email: saf@thekenmoregroup.com
6. Phone: (773) 383-5040
7. Fax:
8. Generator EPA ID:
9. State ID:

C. MATERIAL INFORMATION

- 1. Common Name: Excavated Soil
Describe Process(es) Generating Material:
Excavation of soil behind the building currently located on site. The building was formerly a dry cleaner and as such the only contaminants of concern are VOCs.
2. Material Composition and Contaminants:
3. State Waste Codes:
4. Color: Brown
5. Physical State at 70°F: Solid
6. Free Liquid Range Percentage:
7. pH:
8. Strong Odor: No
9. Flash Point: <140°F, 140°-199°F, >=200°F

E. ANALYTICAL AND OTHER REPRESENTATIVE INFORMATION

- 1. Analytical attached: Yes
Please identify Lab Report(s) and list specific representative Sample ID#s:
Lab Reports: J238521-1, J240762-1, J242036-1, and J242037-1.
Sample IDs: B-2, B-2A, B-4, B-7, and B-4A.
2. Other information attached (such as SDS): Yes

G. GENERATOR CERTIFICATION (PLEASE READ AND CERTIFY BY SIGNATURE)

By signing this Waste Management ("WM") Profile, I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of this material, and that all relevant information necessary for proper material characterization and to identify known and suspected hazards has been provided.

- I am authorized to sign on behalf of the Generator and I have confirmed with the Generator that information contained in this profile, as well as supporting documents provided, are accurate and complete.
I am a duly authorized employee of Generator holding a position of technical responsibility with direct knowledge of the waste stream and the information contained in this profile, and I confirm that information contained in this profile, as well as supporting documents are accurate and complete.

QUESTIONS? CALL 800 963 4776 FOR ASSISTANCE

B. BILLING INFORMATION SAME AS GENERATOR

- 1. Billing Name: The Kenmore Group, LLC
2. Billing Address: 2835 N SHEFFIELD AVE STE 403 # SITE
3. Contact Name: Saf Sarich
4. Email: saf@thekenmoregroup.com
5. Phone: (773) 383-5040
6. Fax:
7. P.O. Number:
8. Payment Method: Credit Account, Cash, Credit Card at Gate

D. REGULATORY INFORMATION

- 1. EPA Hazardous Waste?
2. State Hazardous Waste?
3. Is this material non-hazardous due to Treatment, Delisting, or an Exclusion?
4. Contains Underlying Hazardous Constituents?
5. Does the material contain benzene?
6. Facility remediation subject to 40 CFR 63 GGGGG?
7. CERCLA or State-mandated clean-up?
8. NRC, State-regulated, NORM or TENORM waste?
9. Contains PCBs?
10. Regulated and/or Untreated Medical/Infectious Waste?
11. Contains Asbestos?
12. Contains Dioxins? (If Yes, please attach analysis)

F. SHIPPING AND DOT INFORMATION

- 1. One-Time Event, Repeat Event/Ongoing Business
2. Estimated Annual Quantity/Unit of Measure: 500
3. Container Type and Size:
4. USDOT Proper Shipping Name
5. Estimated Start Date: 04/11/2024
6. Transportation Needed? Yes

Name (Print): Justin Bush
Title: Staff Professional
Company: Giles Engineering Associates, Inc
Date: 03/28/2024

Certification Signature
Justin Bush



Orchard Ridge RDF
 W124 N9355 Boundary Road
 Menomonee Falls, WI, 53051
 Ph: (262) 253-8620

Reprint
 Ticket# 2286108

Customer Name THEKENMOREGROUP THE KENMORE G Carrier RW TRUCKING R&W TRUCKING
 Ticket Date 04/24/2024 Vehicle# 26 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0007238
 State Waste Code A-24-33 Gen EPA ID
 Manifest na
 Destination Grid
 PO
 Profile 140773WI (EXCAVATED SOIL)
 Generator 136-THEKENMOREGROUP THE KENMORE GROUP LLC

	Time	Scale	Operator	Inbound	Gross	74360 lb
In	04/24/2024 09:40:01	inbound	kfiguer1		Tare	28260 lb
Out	04/24/2024 09:49:42	Outbound	kfiguer1		Net	46100 lb
					Tons	23.05

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Dredged Sedi Soil-	100	23.05	Tons				WI
2 WWMT-WASTE WATER M	100	23.05	Tons				WI

Total Tax
 Total Ticket

Driver`s Signature



Orchard Ridge RDF
 W124 N9355 Boundary Road
 Menomonee Falls, WI, 53051
 Ph: (262) 253-8620

Reprint
 Ticket# 2286149

Customer Name THEKENMOREGROUP THE KENMORE G Carrier RW TRUCKING R&W TRUCKING
 Ticket Date 04/24/2024 Vehicle# 34 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0007238
 State Waste Code A-24-33 Gen EPA ID
 Manifest na
 Destination Grid
 PO
 Profile 140773WI (EXCAVATED SOIL)
 Generator 136-THEKENMOREGROUP THE KENMORE GROUP LLC

	Time	Scale	Operator	Inbound	Gross	75220 lb
In	04/24/2024 10:46:18	inbound	kfiguer1		Tare	27600 lb
Out	04/24/2024 10:56:48	Outbound	kfiguer1		Net	47620 lb
					Tons	23.81

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Dredged Sedi Soil-	100	23.81	Tons				WI
2 WWMT-WASTE WATER M	100	23.81	Tons				WI

Total Tax
 Total Ticket

Driver`s Signature



Orchard Ridge RDF
 W124 N9355 Boundary Road
 Menomonee Falls, WI, 53051
 Ph: (262) 253-8620

Reprint
 Ticket# 2286222

Customer Name THEKENMOREGROUP THE KENMORE G Carrier RW TRUCKING R&W TRUCKING
 Ticket Date 04/24/2024 Vehicle# 26 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0007238
 State Waste Code A-24-33 Gen EPA ID
 Manifest na
 Destination Grid
 PO
 Profile 140773WI (EXCAVATED SOIL)
 Generator 136-THEKENMOREGROUP THE KENMORE GROUP LLC

	Time	Scale	Operator	Inbound	Gross	73140 lb
In	04/24/2024 12:26:32	inbound	jgindt		Tare	28260 lb
Out	04/24/2024 12:26:32		jgindt		Net	44880 lb
					Tons	22.44

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Dredged Sedi Soil-	100	22.44	Tons				WI
2 WWMT-WASTE WATER M	100	22.44	Tons				WI

Total Tax
 Total Ticket

Driver`s Signature



Orchard Ridge RDF
 W124 N9355 Boundary Road
 Menomonee Falls, WI, 53051
 Ph: (262) 253-8620

Reprint
 Ticket# 2286283

Customer Name THEKENMOREGROUP THE KENMORE G Carrier RW TRUCKING R&W TRUCKING
 Ticket Date 04/24/2024 Vehicle# 34 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0007238
 State Waste Code A-24-33 Gen EPA ID
 Manifest na
 Destination Grid
 PO
 Profile 140773WI (EXCAVATED SOIL)
 Generator 136-THEKENMOREGROUP THE KENMORE GROUP LLC

	Time	Scale	Operator	Inbound	Gross	40640 lb
In	04/24/2024 13:49:53	inbound	kfiguer1		Tare	27600 lb
Out	04/24/2024 13:49:53		kfiguer1		Net	13040 lb
					Tons	6.52

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Dredged Sedi Soil-	100	6.52	Tons				WI
2 WWMT-WASTE WATER M	100	6.52	Tons				WI

Total Tax
 Total Ticket

Driver`s Signature



Orchard Ridge RDF
 W124 N9355 Boundary Road
 Menomonee Falls, WI, 53051
 Ph: (262) 253-8620

Reprint
 Ticket# 2291503

Customer Name THEKENMOREGROUP THE KENMORE G Carrier RW TRUCKING R&W TRUCKING
 Ticket Date 05/10/2024 Vehicle# 43 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0007238
 State Waste Code A-24-33 Gen EPA ID
 Manifest na
 Destination Grid
 PO
 Profile 140773WI (EXCAVATED SOIL)
 Generator 136-THEKENMOREGROUP THE KENMORE GROUP LLC

	Time	Scale	Operator	Inbound	Gross	11680 lb
In	05/10/2024 11:48:49	inbound	kfiguer1		Tare	11300 lb
Out	05/10/2024 11:56:56	Outbound	kfiguer1		Net	380 lb
					Tons	0.19

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Dredged Sedi Soil-	100	0.19	Tons				WI
2 WWMT-WASTE WATER M	100	0.19	Tons				WI

Total Tax
 Total Ticket

Driver`s Signature

ATTACHMENT B

**Soil Analytical Laboratory Report and Chain-of-Custody
Documentation**



ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Kevin Bugel
Giles Engineering Associates
N8 W 22350 Johnson Road
Waukesha, Wisconsin 53186

Generated 5/1/2024 7:41:35 AM

JOB DESCRIPTION

690 Westfield Way - 1E-2308010

JOB NUMBER

500-249475-1

Eurofins Chicago

Job Notes

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

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

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

Compliance Statement

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

Definitions of Limits

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

Authorization



Generated
5/1/2024 7:41:35 AM

Authorized for release by
Sandie Fredrick, Senior Project Manager
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Case Narrative

Client: Giles Engineering Associates
Project: 690 Westfield Way - 1E-2308010

Job ID: 500-249475-1

Job ID: 500-249475-1

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Job Narrative 500-249475-1

Receipt

The samples were received on 4/25/2024 9:20 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 4.0° C.

GC/MS VOA

Method 8260C: The following samples were analyzed using medium level soil analysis: C-1 (500-249475-1), C-2 (500-249475-2) and C-3 (500-249475-3). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-709825 recovered above the upper control limit for 2,2-Dichloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: C-1 (500-249475-1), C-2 (500-249475-2) and C-3 (500-249475-3).

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

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Detection Summary

Client: Giles Engineering Associates
Project/Site: 690 Westfield Way - 1E-2308010

Job ID: 500-249475-1

Client Sample ID: C-1

Lab Sample ID: 500-249475-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	39	J	50	6.8	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: C-2

Lab Sample ID: 500-249475-2

No Detections.

Client Sample ID: C-3

Lab Sample ID: 500-249475-3

No Detections.

This Detection Summary does not include radiochemical test results.

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Method Summary

Client: Giles Engineering Associates
Project/Site: 690 Westfield Way - 1E-2308010

Job ID: 500-249475-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
5035A_H	Closed System Purge and Trap	SW846	EET BUF

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



Sample Summary

Client: Giles Engineering Associates
Project/Site: 690 Westfield Way - 1E-2308010

Job ID: 500-249475-1

<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Collected</u>	<u>Received</u>
500-249475-1	C-1	Solid	04/24/24 13:45	04/25/24 09:20
500-249475-2	C-2	Solid	04/24/24 13:50	04/25/24 09:20
500-249475-3	C-3	Solid	04/24/24 13:55	04/25/24 09:20

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Client Sample Results

Client: Giles Engineering Associates
 Project/Site: 690 Westfield Way - 1E-2308010

Job ID: 500-249475-1

Client Sample ID: C-1

Lab Sample ID: 500-249475-1

Date Collected: 04/24/24 13:45

Matrix: Solid

Date Received: 04/25/24 09:20

Percent Solids: 82.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<9.6		50	9.6	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
Bromobenzene	<11		50	11	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
Bromochloromethane	<18		50	18	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
Bromodichloromethane	<10		50	10	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
Bromoform	<25		50	25	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
Bromomethane	<11		50	11	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
Carbon tetrachloride	<13		50	13	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
Chlorobenzene	<6.6		50	6.6	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
Chloroethane	<10		50	10	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
Chloroform	<35		50	35	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
Chloromethane	<12		50	12	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
2-Chlorotoluene	<19		50	19	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
4-Chlorotoluene	<10		50	10	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
cis-1,2-Dichloroethene	<14		50	14	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
cis-1,3-Dichloropropene	<12		50	12	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
Dibromochloromethane	<24		50	24	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
1,2-Dibromo-3-Chloropropane	<25		50	25	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
Dibromomethane	<16		50	16	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
1,2-Dichlorobenzene	<13		50	13	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
1,3-Dichlorobenzene	<13		50	13	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
1,4-Dichlorobenzene	<7.0		50	7.0	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
Dichlorodifluoromethane	<22		50	22	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
1,1-Dichloroethane	<16		50	16	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
1,2-Dichloroethane	<21		50	21	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
1,1-Dichloroethene	<17		50	17	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
1,2-Dichloropropane	<8.1		50	8.1	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
1,3-Dichloropropane	<9.2		50	9.2	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
2,2-Dichloropropane	<11		50	11	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
1,1-Dichloropropene	<13		50	13	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
Ethylbenzene	<15		50	15	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
Ethylene Dibromide	<8.8		50	8.8	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
Hexachlorobutadiene	<20		50	20	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
Isopropylbenzene	<7.5		50	7.5	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
Isopropyl ether	<27		50	27	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
Methylene Chloride	<10		50	10	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
Methyl tert-butyl ether	<19		50	19	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
Naphthalene	<17		50	17	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
n-Butylbenzene	<15		50	15	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
N-Propylbenzene	<13		50	13	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
p-Isopropyltoluene	<17		50	17	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
sec-Butylbenzene	<19		50	19	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
Styrene	<12		50	12	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
tert-Butylbenzene	<14		50	14	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
1,1,1,2-Tetrachloroethane	<14		50	14	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
1,1,1,2,2-Tetrachloroethane	<8.2		50	8.2	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
Tetrachloroethene	39 J		50	6.8	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
Toluene	<13		50	13	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
trans-1,2-Dichloroethene	<12		50	12	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1
trans-1,3-Dichloropropene	<4.9		50	4.9	ug/Kg	✳	04/29/24 09:12	04/29/24 13:57	1

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Client Sample Results

Client: Giles Engineering Associates
 Project/Site: 690 Westfield Way - 1E-2308010

Job ID: 500-249475-1

Client Sample ID: C-1

Lab Sample ID: 500-249475-1

Date Collected: 04/24/24 13:45

Matrix: Solid

Date Received: 04/25/24 09:20

Percent Solids: 82.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<23		50	23	ug/Kg	☼	04/29/24 09:12	04/29/24 13:57	1
1,2,4-Trichlorobenzene	<19		50	19	ug/Kg	☼	04/29/24 09:12	04/29/24 13:57	1
1,1,1-Trichloroethane	<14		50	14	ug/Kg	☼	04/29/24 09:12	04/29/24 13:57	1
1,1,2-Trichloroethane	<11		50	11	ug/Kg	☼	04/29/24 09:12	04/29/24 13:57	1
Trichloroethene	<14		50	14	ug/Kg	☼	04/29/24 09:12	04/29/24 13:57	1
Trichlorofluoromethane	<24		50	24	ug/Kg	☼	04/29/24 09:12	04/29/24 13:57	1
1,2,3-Trichloropropane	<11		50	11	ug/Kg	☼	04/29/24 09:12	04/29/24 13:57	1
1,2,4-Trimethylbenzene	<14		50	14	ug/Kg	☼	04/29/24 09:12	04/29/24 13:57	1
1,3,5-Trimethylbenzene	<15		50	15	ug/Kg	☼	04/29/24 09:12	04/29/24 13:57	1
Vinyl chloride	<17		50	17	ug/Kg	☼	04/29/24 09:12	04/29/24 13:57	1
Xylenes, Total	<28		100	28	ug/Kg	☼	04/29/24 09:12	04/29/24 13:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		49 - 148	04/29/24 09:12	04/29/24 13:57	1
1,2-Dichloroethane-d4 (Surr)	98		53 - 146	04/29/24 09:12	04/29/24 13:57	1
Toluene-d8 (Surr)	102		50 - 149	04/29/24 09:12	04/29/24 13:57	1

Client Sample Results

Client: Giles Engineering Associates
 Project/Site: 690 Westfield Way - 1E-2308010

Job ID: 500-249475-1

Client Sample ID: C-2

Lab Sample ID: 500-249475-2

Date Collected: 04/24/24 13:50

Matrix: Solid

Date Received: 04/25/24 09:20

Percent Solids: 81.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<4.7		25	4.7	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
Bromobenzene	<5.5		25	5.5	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
Bromochloromethane	<9.0		25	9.0	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
Bromodichloromethane	<5.0		25	5.0	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
Bromoform	<12		25	12	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
Bromomethane	<5.5		25	5.5	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
Carbon tetrachloride	<6.4		25	6.4	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
Chlorobenzene	<3.3		25	3.3	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
Chloroethane	<5.2		25	5.2	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
Chloroform	<17		25	17	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
Chloromethane	<5.9		25	5.9	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
2-Chlorotoluene	<9.6		25	9.6	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
4-Chlorotoluene	<5.1		25	5.1	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
cis-1,2-Dichloroethene	<6.9		25	6.9	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
cis-1,3-Dichloropropene	<6.0		25	6.0	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
Dibromochloromethane	<12		25	12	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
1,2-Dibromo-3-Chloropropane	<12		25	12	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
Dibromomethane	<8.1		25	8.1	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
1,2-Dichlorobenzene	<6.4		25	6.4	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
1,3-Dichlorobenzene	<6.7		25	6.7	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
1,4-Dichlorobenzene	<3.5		25	3.5	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
Dichlorodifluoromethane	<11		25	11	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
1,1-Dichloroethane	<7.7		25	7.7	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
1,2-Dichloroethane	<10		25	10	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
1,1-Dichloroethene	<8.6		25	8.6	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
1,2-Dichloropropane	<4.0		25	4.0	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
1,3-Dichloropropane	<4.5		25	4.5	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
2,2-Dichloropropane	<5.7		25	5.7	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
1,1-Dichloropropene	<6.2		25	6.2	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
Ethylbenzene	<7.3		25	7.3	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
Ethylene Dibromide	<4.4		25	4.4	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
Hexachlorobutadiene	<9.9		25	9.9	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
Isopropylbenzene	<3.7		25	3.7	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
Isopropyl ether	<13		25	13	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
Methylene Chloride	<4.9		25	4.9	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
Methyl tert-butyl ether	<9.4		25	9.4	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
Naphthalene	<8.4		25	8.4	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
n-Butylbenzene	<7.3		25	7.3	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
N-Propylbenzene	<6.5		25	6.5	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
p-Isopropyltoluene	<8.4		25	8.4	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
sec-Butylbenzene	<9.2		25	9.2	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
Styrene	<6.0		25	6.0	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
tert-Butylbenzene	<6.9		25	6.9	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
1,1,1,2-Tetrachloroethane	<7.1		25	7.1	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
1,1,2,2-Tetrachloroethane	<4.1		25	4.1	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
Tetrachloroethene	<3.4		25	3.4	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
Toluene	<6.7		25	6.7	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
trans-1,2-Dichloroethene	<5.9		25	5.9	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
trans-1,3-Dichloropropene	<2.5		25	2.5	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1

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Client Sample Results

Client: Giles Engineering Associates
 Project/Site: 690 Westfield Way - 1E-2308010

Job ID: 500-249475-1

Client Sample ID: C-2

Lab Sample ID: 500-249475-2

Date Collected: 04/24/24 13:50

Matrix: Solid

Date Received: 04/25/24 09:20

Percent Solids: 81.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<11		25	11	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
1,2,4-Trichlorobenzene	<9.5		25	9.5	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
1,1,1-Trichloroethane	<6.9		25	6.9	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
1,1,2-Trichloroethane	<5.2		25	5.2	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
Trichloroethene	<6.9		25	6.9	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
Trichlorofluoromethane	<12		25	12	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
1,2,3-Trichloropropane	<5.6		25	5.6	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
1,2,4-Trimethylbenzene	<7.0		25	7.0	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
1,3,5-Trimethylbenzene	<7.5		25	7.5	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
Vinyl chloride	<8.4		25	8.4	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1
Xylenes, Total	<14		50	14	ug/Kg	☼	04/29/24 09:12	04/29/24 14:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		49 - 148	04/29/24 09:12	04/29/24 14:20	1
1,2-Dichloroethane-d4 (Surr)	99		53 - 146	04/29/24 09:12	04/29/24 14:20	1
Toluene-d8 (Surr)	106		50 - 149	04/29/24 09:12	04/29/24 14:20	1

Client Sample Results

Client: Giles Engineering Associates
 Project/Site: 690 Westfield Way - 1E-2308010

Job ID: 500-249475-1

Client Sample ID: C-3

Lab Sample ID: 500-249475-3

Date Collected: 04/24/24 13:55

Matrix: Solid

Date Received: 04/25/24 09:20

Percent Solids: 83.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<9.2		49	9.2	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
Bromobenzene	<11		49	11	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
Bromochloromethane	<18		49	18	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
Bromodichloromethane	<9.7		49	9.7	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
Bromoform	<24		49	24	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
Bromomethane	<11		49	11	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
Carbon tetrachloride	<12		49	12	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
Chlorobenzene	<6.4		49	6.4	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
Chloroethane	<10		49	10	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
Chloroform	<33		49	33	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
Chloromethane	<12		49	12	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
2-Chlorotoluene	<19		49	19	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
4-Chlorotoluene	<9.9		49	9.9	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
cis-1,2-Dichloroethene	<13		49	13	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
cis-1,3-Dichloropropene	<12		49	12	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
Dibromochloromethane	<24		49	24	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
1,2-Dibromo-3-Chloropropane	<24		49	24	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
Dibromomethane	<16		49	16	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
1,2-Dichlorobenzene	<12		49	12	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
1,3-Dichlorobenzene	<13		49	13	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
1,4-Dichlorobenzene	<6.8		49	6.8	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
Dichlorodifluoromethane	<21		49	21	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
1,1-Dichloroethane	<15		49	15	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
1,2-Dichloroethane	<20		49	20	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
1,1-Dichloroethene	<17		49	17	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
1,2-Dichloropropane	<7.9		49	7.9	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
1,3-Dichloropropane	<8.9		49	8.9	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
2,2-Dichloropropane	<11		49	11	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
1,1-Dichloropropene	<12		49	12	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
Ethylbenzene	<14		49	14	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
Ethylene Dibromide	<8.5		49	8.5	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
Hexachlorobutadiene	<19		49	19	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
Isopropylbenzene	<7.3		49	7.3	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
Isopropyl ether	<26		49	26	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
Methylene Chloride	<9.6		49	9.6	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
Methyl tert-butyl ether	<18		49	18	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
Naphthalene	<16		49	16	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
n-Butylbenzene	<14		49	14	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
N-Propylbenzene	<13		49	13	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
p-Isopropyltoluene	<16		49	16	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
sec-Butylbenzene	<18		49	18	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
Styrene	<12		49	12	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
tert-Butylbenzene	<14		49	14	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
1,1,1,2-Tetrachloroethane	<14		49	14	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
1,1,1,2,2-Tetrachloroethane	<7.9		49	7.9	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
Tetrachloroethene	<6.5		49	6.5	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
Toluene	<13		49	13	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
trans-1,2-Dichloroethene	<11		49	11	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
trans-1,3-Dichloropropene	<4.8		49	4.8	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1

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Client Sample Results

Client: Giles Engineering Associates
 Project/Site: 690 Westfield Way - 1E-2308010

Job ID: 500-249475-1

Client Sample ID: C-3

Lab Sample ID: 500-249475-3

Date Collected: 04/24/24 13:55

Matrix: Solid

Date Received: 04/25/24 09:20

Percent Solids: 83.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<22		49	22	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
1,2,4-Trichlorobenzene	<18		49	18	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
1,1,1-Trichloroethane	<13		49	13	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
1,1,2-Trichloroethane	<10		49	10	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
Trichloroethene	<14		49	14	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
Trichlorofluoromethane	<23		49	23	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
1,2,3-Trichloropropane	<11		49	11	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
1,2,4-Trimethylbenzene	<14		49	14	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
1,3,5-Trimethylbenzene	<15		49	15	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
Vinyl chloride	<16		49	16	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1
Xylenes, Total	<27		97	27	ug/Kg	☼	04/29/24 09:12	04/29/24 14:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		49 - 148	04/29/24 09:12	04/29/24 14:43	1
1,2-Dichloroethane-d4 (Surr)	105		53 - 146	04/29/24 09:12	04/29/24 14:43	1
Toluene-d8 (Surr)	104		50 - 149	04/29/24 09:12	04/29/24 14:43	1

Definitions/Glossary

Client: Giles Engineering Associates
Project/Site: 690 Westfield Way - 1E-2308010

Job ID: 500-249475-1

Qualifiers

GC/MS VOA

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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: Giles Engineering Associates
Project/Site: 690 Westfield Way - 1E-2308010

Job ID: 500-249475-1

GC/MS VOA

Analysis Batch: 709825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249475-1	C-1	Total/NA	Solid	8260C	709839
500-249475-2	C-2	Total/NA	Solid	8260C	709839
500-249475-3	C-3	Total/NA	Solid	8260C	709839
MB 480-709839/3-A	Method Blank	Total/NA	Solid	8260C	709839
LCS 480-709839/1-A	Lab Control Sample	Total/NA	Solid	8260C	709839

Prep Batch: 709839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249475-1	C-1	Total/NA	Solid	5035A_H	
500-249475-2	C-2	Total/NA	Solid	5035A_H	
500-249475-3	C-3	Total/NA	Solid	5035A_H	
MB 480-709839/3-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-709839/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	

General Chemistry

Analysis Batch: 709788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249475-1	C-1	Total/NA	Solid	Moisture	
500-249475-2	C-2	Total/NA	Solid	Moisture	
500-249475-3	C-3	Total/NA	Solid	Moisture	

Surrogate Summary

Client: Giles Engineering Associates
Project/Site: 690 Westfield Way - 1E-2308010

Job ID: 500-249475-1

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB	DCA	TOL
		(49-148)	(53-146)	(50-149)
500-249475-1	C-1	106	98	102
500-249475-2	C-2	109	99	106
500-249475-3	C-3	108	105	104
LCS 480-709839/1-A	Lab Control Sample	111	101	108
MB 480-709839/3-A	Method Blank	108	96	101

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: Giles Engineering Associates
 Project/Site: 690 Westfield Way - 1E-2308010

Job ID: 500-249475-1

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

Lab Sample ID: MB 480-709839/3-A
Matrix: Solid
Analysis Batch: 709825

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 709839

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<19		100	19	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
Bromobenzene	<22		100	22	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
Bromochloromethane	<36		100	36	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
Bromodichloromethane	<20		100	20	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
Bromoform	<50		100	50	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
Bromomethane	<22		100	22	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
Carbon tetrachloride	<26		100	26	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
Chlorobenzene	<13		100	13	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
Chloroethane	<21		100	21	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
Chloroform	<69		100	69	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
Chloromethane	<24		100	24	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
2-Chlorotoluene	<38		100	38	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
4-Chlorotoluene	<20		100	20	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
cis-1,2-Dichloroethene	<28		100	28	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
cis-1,3-Dichloropropene	<24		100	24	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
Dibromochloromethane	<48		100	48	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
1,2-Dibromo-3-Chloropropane	<50		100	50	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
Dibromomethane	<33		100	33	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
1,2-Dichlorobenzene	<26		100	26	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
1,3-Dichlorobenzene	<27		100	27	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
1,4-Dichlorobenzene	<14		100	14	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
Dichlorodifluoromethane	<44		100	44	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
1,1-Dichloroethane	<31		100	31	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
1,2-Dichloroethane	<41		100	41	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
1,1-Dichloroethene	<35		100	35	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
1,2-Dichloropropane	<16		100	16	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
1,3-Dichloropropane	<18		100	18	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
2,2-Dichloropropane	<23		100	23	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
1,1-Dichloropropene	<25		100	25	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
Ethylbenzene	<29		100	29	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
Ethylene Dibromide	<18		100	18	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
Hexachlorobutadiene	<40		100	40	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
Isopropylbenzene	<15		100	15	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
Isopropyl ether	<53		100	53	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
Methylene Chloride	<20		100	20	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
Methyl tert-butyl ether	<38		100	38	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
Naphthalene	<34		100	34	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
n-Butylbenzene	<29		100	29	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
N-Propylbenzene	<26		100	26	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
p-Isopropyltoluene	<34		100	34	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
sec-Butylbenzene	<37		100	37	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
Styrene	<24		100	24	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
tert-Butylbenzene	<28		100	28	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
1,1,1,2-Tetrachloroethane	<29		100	29	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
1,1,2,2-Tetrachloroethane	<16		100	16	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
Tetrachloroethene	<13		100	13	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
Toluene	<27		100	27	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
trans-1,2-Dichloroethene	<24		100	24	ug/Kg		04/29/24 09:12	04/29/24 13:22	1

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QC Sample Results

Client: Giles Engineering Associates
 Project/Site: 690 Westfield Way - 1E-2308010

Job ID: 500-249475-1

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

Lab Sample ID: MB 480-709839/3-A
Matrix: Solid
Analysis Batch: 709825

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 709839

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
trans-1,3-Dichloropropene	<9.8		100	9.8	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
1,2,3-Trichlorobenzene	<46		100	46	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
1,2,4-Trichlorobenzene	<38		100	38	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
1,1,1-Trichloroethane	<28		100	28	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
1,1,2-Trichloroethane	<21		100	21	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
Trichloroethene	<28		100	28	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
Trichlorofluoromethane	<47		100	47	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
1,2,3-Trichloropropane	<22		100	22	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
1,2,4-Trimethylbenzene	<28		100	28	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
1,3,5-Trimethylbenzene	<30		100	30	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
Vinyl chloride	<34		100	34	ug/Kg		04/29/24 09:12	04/29/24 13:22	1
Xylenes, Total	<55		200	55	ug/Kg		04/29/24 09:12	04/29/24 13:22	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	108		49 - 148	04/29/24 09:12	04/29/24 13:22	1
1,2-Dichloroethane-d4 (Surr)	96		53 - 146	04/29/24 09:12	04/29/24 13:22	1
Toluene-d8 (Surr)	101		50 - 149	04/29/24 09:12	04/29/24 13:22	1

Lab Sample ID: LCS 480-709839/1-A
Matrix: Solid
Analysis Batch: 709825

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 709839

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	Limits
		Result	Qualifier				
Benzene	2500	2290		ug/Kg		92	77 - 125
Bromobenzene	2500	2370		ug/Kg		95	78 - 120
Bromochloromethane	2500	2430		ug/Kg		97	79 - 120
Bromodichloromethane	2500	2410		ug/Kg		96	71 - 121
Bromoform	2500	2430		ug/Kg		97	48 - 125
Bromomethane	2500	1960		ug/Kg		78	39 - 149
Carbon tetrachloride	2500	2660		ug/Kg		107	54 - 135
Chlorobenzene	2500	2440		ug/Kg		98	76 - 126
Chloroethane	2500	1720		ug/Kg		69	23 - 150
Chloroform	2500	2390		ug/Kg		96	78 - 120
Chloromethane	2500	1990		ug/Kg		79	61 - 124
2-Chlorotoluene	2500	2320		ug/Kg		93	72 - 122
4-Chlorotoluene	2500	2310		ug/Kg		93	73 - 124
cis-1,2-Dichloroethene	2500	2510		ug/Kg		100	79 - 124
cis-1,3-Dichloropropene	2500	2380		ug/Kg		95	75 - 121
Dibromochloromethane	2500	2660		ug/Kg		106	64 - 120
1,2-Dibromo-3-Chloropropane	2500	1860		ug/Kg		74	56 - 122
Dibromomethane	2500	2200		ug/Kg		88	79 - 120
1,2-Dichlorobenzene	2500	2400		ug/Kg		96	78 - 125
1,3-Dichlorobenzene	2500	2400		ug/Kg		96	80 - 120
1,4-Dichlorobenzene	2500	2330		ug/Kg		93	80 - 120
Dichlorodifluoromethane	2500	1920		ug/Kg		77	10 - 150
1,1-Dichloroethane	2500	2260		ug/Kg		90	78 - 121
1,2-Dichloroethane	2500	2260		ug/Kg		91	74 - 127
1,1-Dichloroethene	2500	2050		ug/Kg		82	48 - 133

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QC Sample Results

Client: Giles Engineering Associates
 Project/Site: 690 Westfield Way - 1E-2308010

Job ID: 500-249475-1

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

Lab Sample ID: LCS 480-709839/1-A
Matrix: Solid
Analysis Batch: 709825

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 709839

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloropropane	2500	2130		ug/Kg		85	80 - 120
1,3-Dichloropropane	2500	2230		ug/Kg		89	80 - 120
2,2-Dichloropropane	2500	3180		ug/Kg		127	58 - 142
1,1-Dichloropropene	2500	2310		ug/Kg		92	75 - 121
Ethylbenzene	2500	2360		ug/Kg		95	78 - 124
Ethylene Dibromide	2500	2360		ug/Kg		94	80 - 120
Hexachlorobutadiene	2500	2570		ug/Kg		103	61 - 149
Isopropylbenzene	2500	2420		ug/Kg		97	76 - 120
Methylene Chloride	2500	2260		ug/Kg		90	75 - 118
Methyl tert-butyl ether	2500	2200		ug/Kg		88	67 - 137
Naphthalene	2500	2110		ug/Kg		84	65 - 142
n-Butylbenzene	2500	2270		ug/Kg		91	80 - 120
N-Propylbenzene	2500	2280		ug/Kg		91	76 - 120
p-Isopropyltoluene	2500	2400		ug/Kg		96	80 - 120
sec-Butylbenzene	2500	2330		ug/Kg		93	79 - 120
Styrene	2500	2420		ug/Kg		97	80 - 120
tert-Butylbenzene	2500	2500		ug/Kg		100	78 - 120
1,1,1,2-Tetrachloroethane	2500	2730		ug/Kg		109	78 - 120
1,1,2,2-Tetrachloroethane	2500	1930		ug/Kg		77	73 - 120
Tetrachloroethene	2500	2420		ug/Kg		97	73 - 133
Toluene	2500	2360		ug/Kg		94	75 - 124
trans-1,2-Dichloroethene	2500	2400		ug/Kg		96	74 - 129
trans-1,3-Dichloropropene	2500	2380		ug/Kg		95	73 - 120
1,2,3-Trichlorobenzene	2500	2390		ug/Kg		95	57 - 150
1,2,4-Trichlorobenzene	2500	2460		ug/Kg		98	70 - 140
1,1,1-Trichloroethane	2500	2470		ug/Kg		99	68 - 130
1,1,2-Trichloroethane	2500	2180		ug/Kg		87	80 - 120
Trichloroethene	2500	2450		ug/Kg		98	75 - 131
Trichlorofluoromethane	2500	2110		ug/Kg		84	29 - 158
1,2,3-Trichloropropane	2500	2000		ug/Kg		80	75 - 120
1,2,4-Trimethylbenzene	2500	2430		ug/Kg		97	77 - 127
1,3,5-Trimethylbenzene	2500	2410		ug/Kg		96	79 - 120
Vinyl chloride	2500	2030		ug/Kg		81	59 - 124
Xylenes, Total	5000	4940		ug/Kg		99	78 - 125

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	111		49 - 148
1,2-Dichloroethane-d4 (Surr)	101		53 - 146
Toluene-d8 (Surr)	108		50 - 149

Lab Chronicle

Client: Giles Engineering Associates
Project/Site: 690 Westfield Way - 1E-2308010

Job ID: 500-249475-1

Client Sample ID: C-1

Date Collected: 04/24/24 13:45

Date Received: 04/25/24 09:20

Lab Sample ID: 500-249475-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	709788	DSC	EET BUF	04/28/24 18:23

Client Sample ID: C-1

Date Collected: 04/24/24 13:45

Date Received: 04/25/24 09:20

Lab Sample ID: 500-249475-1

Matrix: Solid

Percent Solids: 82.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			709839	ZN	EET BUF	04/29/24 09:12
Total/NA	Analysis	8260C		1	709825	ZN	EET BUF	04/29/24 13:57

Client Sample ID: C-2

Date Collected: 04/24/24 13:50

Date Received: 04/25/24 09:20

Lab Sample ID: 500-249475-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	709788	DSC	EET BUF	04/28/24 18:23

Client Sample ID: C-2

Date Collected: 04/24/24 13:50

Date Received: 04/25/24 09:20

Lab Sample ID: 500-249475-2

Matrix: Solid

Percent Solids: 81.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			709839	ZN	EET BUF	04/29/24 09:12
Total/NA	Analysis	8260C		1	709825	ZN	EET BUF	04/29/24 14:20

Client Sample ID: C-3

Date Collected: 04/24/24 13:55

Date Received: 04/25/24 09:20

Lab Sample ID: 500-249475-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	709788	DSC	EET BUF	04/28/24 18:23

Client Sample ID: C-3

Date Collected: 04/24/24 13:55

Date Received: 04/25/24 09:20

Lab Sample ID: 500-249475-3

Matrix: Solid

Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			709839	ZN	EET BUF	04/29/24 09:12
Total/NA	Analysis	8260C		1	709825	ZN	EET BUF	04/29/24 14:43

Laboratory References:

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

Accreditation/Certification Summary

Client: Giles Engineering Associates
Project/Site: 690 Westfield Way - 1E-2308010

Job ID: 500-249475-1

Laboratory: Eurofins Buffalo

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

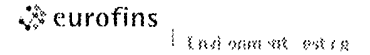
Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998310390	08-31-24

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Eurofins Chicago

2417 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax. 708-534 5211

Chain of Custody Record



Client Information		Sampler <i>Cody Reich</i>	Lab PM Fredrick, Sandie	Carrier Tracking No(s)	COC No 500-123481-49625 1
Client Contact: Mr Kevin Bugel ; <i>Environmental Lab</i>		Phone <i>262-544-0118</i>	E-Mail Sandra.Fredrick@et.eurofins.com	State of Origin	Page Page 1 of 1
Company Giles Engineering Associates		PWSID	Analysis Requested		
Address N8 W 22350 Johnson Road		Due Date Requested	Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) <i>VOC 8260C</i>	Total Number of containers	Job # <i>500-249475</i>
City Waukesha		TAT Requested (days) <i>* 3 day TAT *</i>			Preservation Codes
State/Zip WI, 53186		Compliance Project <input type="checkbox"/> Yes <input type="checkbox"/> No			
Phone <i>262-544-0118</i>		PO # Purchase Order not required			
Email: kbugel@gilesengr.com ; envlab@gilesengr.com		WO #			
Project Name 690 Westfield Way/Giles Project 1E-2308010		Project # 50006545			
Site		SSOW#			Other
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/roll, BT=Tissue, A=Air)
		Preservation Code:			
1 2 3	<i>C-1</i>	<i>4-24-24</i>	<i>1345</i>	<i>G</i>	Soil
	<i>C-2</i>	<i>↓</i>	<i>1350</i>	<i>↓</i>	Soil
	<i>C-3</i>	<i>↓</i>	<i>1355</i>	<i>↓</i>	Soil
					Soil
					Water
					Water
					Water
					Water
					Soil
Possible Hazard Identification			Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological			<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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: <i>Cody L Reich</i>	Date/Time <i>4-24-24 1700</i>	Company <i>Giles</i>	Received by: <i>Shirley Scott</i>	Date/Time <i>4/25/24 0920</i>	Company <i>ETRA</i>
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks <i>4.4 → 4.0</i>			

KEVIN BUBEL
GILES ENGINEERING ASSOCIATE
N8 W 22350 JOHNSON ROAD

ALWTG1: 25.00 LB MHH
CAD: 0780307/CAFE3755

WAUKESHA, WI 53186
UNITED STATES US

Part# 158499-434 MTW EXP 09/24

TO **SAMPLE RECEIPT**
EUROFINS CHICAGO
2417 BOND ST.

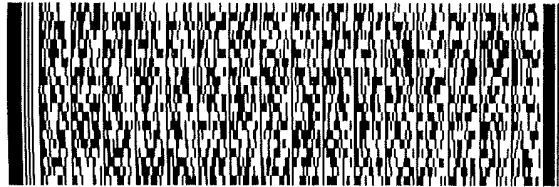
UNIVERSITY PARK IL 60484

(708) 634-6200
TNU:
PO:

REF:

DEPT:

RMA: ||| ||| |||



FedEx
Express



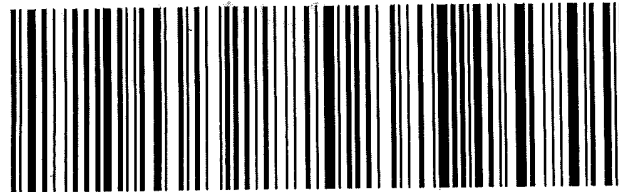
FedEx
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IL-US **ORD**

Part# 158297-434 PPR32 EXP 10/24



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Chain of Custody Record



Client Information (Sub Contract Lab)				Sampler:		Lab PM: Fredrick, Sandie				Carrier Tracking No(s):				COC No: 500-187438.1			
Client Contact: Shipping/Receiving				Phone:		E-Mail: Sandra.Fredrick@et.eurofinsus.com				State of Origin: Wisconsin				Page: Page 1 of 1			
Company: Eurofins Environment Testing Northeast,						Accreditations Required (See note): State - Wisconsin; State Program - Wisconsin						Job #: 500-249475-1					
Address: 10 Hazelwood Drive,				Due Date Requested: 4/30/2024		Analysis Requested										Preservation Codes: Other:	
City: Amherst				TAT Requested (days):													
State, Zip: NY, 14228-2298				PO #:													
Phone: 716-691-2600(Tel) 716-691-7991(Fax)				WO #:													
Email:				Project #: 50006545		SSOW#:											
Project Name: 690 Westfield Way - 1E-2308010				Project #:		SSOW#:											
Site:																	
Sample Identification - Client ID (Lab ID)				Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C/5035FM_Calc VOC	Moisture	Total Number of containers				Special Instructions/Note:	
C-1 (500-249475-1)				4/24/24	13:45 Central	Solid		X	X						2		
C-2 (500-249475-2)				4/24/24	13:50 Central	Solid		X	X						2		
C-3 (500-249475-3)				4/24/24	13:55 Central	Solid		X	X						2		
<p>Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.</p>																	
Possible Hazard Identification										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)							
Unconfirmed										<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months							
Deliverable Requested: I, II, III, IV, Other (specify)					Primary Deliverable Rank: 2					Special Instructions/QC Requirements:							
Empty Kit Relinquished by:					Date:					Time:					Method of Shipment:		
Relinquished by: <i>[Signature]</i>					Date/Time: 04/25/24 11:00					Company: EETA					Received by: <i>[Signature]</i>	Date/Time: 04/26/24 11:00	Company: EETA
Relinquished by:					Date/Time:					Company:					Received by:	Date/Time:	Company:
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: 217 # 17E												



Login Sample Receipt Checklist

Client: Giles Engineering Associates

Job Number: 500-249475-1

Login Number: 249475

List Number: 1

Creator: Scott, Sherri L

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	4.0
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Login Sample Receipt Checklist

Client: Giles Engineering Associates

Job Number: 500-249475-1

Login Number: 249475

List Number: 2

Creator: Kolb, Chris M

List Source: Eurofins Buffalo

List Creation: 04/27/24 11:41 AM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.7 ir gun #1 ice
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	



ATTACHMENT C

Groundwater Analytical Laboratory Report and Chain-of-Custody Documentation



ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Kevin Bugel
Giles Engineering Associates
N8 W 22350 Johnson Road
Waukesha, Wisconsin 53186

Generated 5/1/2024 7:42:39 AM

JOB DESCRIPTION

690 Westfield Way - 1E-2308010

JOB NUMBER

500-249476-1

Eurofins Chicago

Job Notes

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

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

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

Compliance Statement

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

Definitions of Limits

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

Authorization



Generated
5/1/2024 7:42:39 AM

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



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Case Narrative

Client: Giles Engineering Associates
Project: 690 Westfield Way - 1E-2308010

Job ID: 500-249476-1

Job ID: 500-249476-1

Eurofins Chicago

Job Narrative 500-249476-1

Receipt

The samples were received on 4/25/2024 9:20 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 4.0° C.

GC/MS VOA

Method 8260C: The laboratory control sample (LCS) for analytical batch 480-709674 recovered outside control limits for the following analyte: Dichlorobromomethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. The associated sample is impacted: Trip Blank (500-249476-2).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-709674 recovered above the upper control limit for Carbon tetrachloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: Trip Blank (500-249476-2).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-709908 recovered above the upper control limit for 2,2-Dichloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: MW-1 (500-249476-1).

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

Eurofins Chicago

Detection Summary

Client: Giles Engineering Associates
Project/Site: 690 Westfield Way - 1E-2308010

Job ID: 500-249476-1

Client Sample ID: MW-1

Lab Sample ID: 500-249476-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.60	J	1.0	0.36	ug/L	1		8260C	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 500-249476-2

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

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Method Summary

Client: Giles Engineering Associates
Project/Site: 690 Westfield Way - 1E-2308010

Job ID: 500-249476-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

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

Laboratory References:

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

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Sample Summary

Client: Giles Engineering Associates
Project/Site: 690 Westfield Way - 1E-2308010

Job ID: 500-249476-1

<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Collected</u>	<u>Received</u>
500-249476-1	MW-1	Water	04/22/24 11:00	04/25/24 09:20
500-249476-2	Trip Blank	Water	04/22/24 00:00	04/25/24 09:20

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Client Sample Results

Client: Giles Engineering Associates
 Project/Site: 690 Westfield Way - 1E-2308010

Job ID: 500-249476-1

Client Sample ID: MW-1

Lab Sample ID: 500-249476-1

Date Collected: 04/22/24 11:00

Matrix: Water

Date Received: 04/25/24 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.41		1.0	0.41	ug/L			04/30/24 06:34	1
Bromobenzene	<0.80		1.0	0.80	ug/L			04/30/24 06:34	1
Bromochloromethane	<0.87		1.0	0.87	ug/L			04/30/24 06:34	1
Bromodichloromethane	<0.39		1.0	0.39	ug/L			04/30/24 06:34	1
Bromoform	<0.26		1.0	0.26	ug/L			04/30/24 06:34	1
Bromomethane	<0.69		1.0	0.69	ug/L			04/30/24 06:34	1
Carbon tetrachloride	<0.27		1.0	0.27	ug/L			04/30/24 06:34	1
Chlorobenzene	<0.75		1.0	0.75	ug/L			04/30/24 06:34	1
Chloroethane	<0.32		1.0	0.32	ug/L			04/30/24 06:34	1
Chloroform	<0.34		1.0	0.34	ug/L			04/30/24 06:34	1
Chloromethane	<0.35		1.0	0.35	ug/L			04/30/24 06:34	1
2-Chlorotoluene	<0.86		1.0	0.86	ug/L			04/30/24 06:34	1
4-Chlorotoluene	<0.84		1.0	0.84	ug/L			04/30/24 06:34	1
cis-1,2-Dichloroethene	<0.81		1.0	0.81	ug/L			04/30/24 06:34	1
cis-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/30/24 06:34	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			04/30/24 06:34	1
1,2-Dibromo-3-Chloropropane	<0.39		1.0	0.39	ug/L			04/30/24 06:34	1
Dibromomethane	<0.41		1.0	0.41	ug/L			04/30/24 06:34	1
1,2-Dichlorobenzene	<0.79		1.0	0.79	ug/L			04/30/24 06:34	1
1,3-Dichlorobenzene	<0.78		1.0	0.78	ug/L			04/30/24 06:34	1
1,4-Dichlorobenzene	<0.84		1.0	0.84	ug/L			04/30/24 06:34	1
Dichlorodifluoromethane	<0.68		1.0	0.68	ug/L			04/30/24 06:34	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			04/30/24 06:34	1
1,2-Dichloroethane	<0.21		1.0	0.21	ug/L			04/30/24 06:34	1
1,1-Dichloroethene	<0.29		1.0	0.29	ug/L			04/30/24 06:34	1
1,2-Dichloropropane	<0.72		1.0	0.72	ug/L			04/30/24 06:34	1
1,3-Dichloropropane	<0.75		1.0	0.75	ug/L			04/30/24 06:34	1
2,2-Dichloropropane	<0.40		1.0	0.40	ug/L			04/30/24 06:34	1
1,1-Dichloropropene	<0.72		1.0	0.72	ug/L			04/30/24 06:34	1
Ethylbenzene	<0.74		1.0	0.74	ug/L			04/30/24 06:34	1
Ethylene Dibromide	<0.73		1.0	0.73	ug/L			04/30/24 06:34	1
Hexachlorobutadiene	<0.28		2.0	0.28	ug/L			04/30/24 06:34	1
Isopropylbenzene	<0.79		1.0	0.79	ug/L			04/30/24 06:34	1
Isopropyl ether	<0.59		1.0	0.59	ug/L			04/30/24 06:34	1
Methylene Chloride	<0.44		1.0	0.44	ug/L			04/30/24 06:34	1
Methyl tert-butyl ether	<0.16		1.0	0.16	ug/L			04/30/24 06:34	1
Naphthalene	<0.43		1.0	0.43	ug/L			04/30/24 06:34	1
n-Butylbenzene	<0.64		1.0	0.64	ug/L			04/30/24 06:34	1
N-Propylbenzene	<0.69		1.0	0.69	ug/L			04/30/24 06:34	1
p-Isopropyltoluene	<0.31		1.0	0.31	ug/L			04/30/24 06:34	1
sec-Butylbenzene	<0.75		1.0	0.75	ug/L			04/30/24 06:34	1
Styrene	<0.73		1.0	0.73	ug/L			04/30/24 06:34	1
tert-Butylbenzene	<0.81		1.0	0.81	ug/L			04/30/24 06:34	1
1,1,1,2-Tetrachloroethane	<0.35		1.0	0.35	ug/L			04/30/24 06:34	1
1,1,2,2-Tetrachloroethane	<0.21		1.0	0.21	ug/L			04/30/24 06:34	1
Tetrachloroethene	0.60	J	1.0	0.36	ug/L			04/30/24 06:34	1
Toluene	<0.51		1.0	0.51	ug/L			04/30/24 06:34	1
trans-1,2-Dichloroethene	<0.90		1.0	0.90	ug/L			04/30/24 06:34	1
trans-1,3-Dichloropropene	<0.37		1.0	0.37	ug/L			04/30/24 06:34	1

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Client Sample Results

Client: Giles Engineering Associates
 Project/Site: 690 Westfield Way - 1E-2308010

Job ID: 500-249476-1

Client Sample ID: MW-1

Lab Sample ID: 500-249476-1

Date Collected: 04/22/24 11:00

Matrix: Water

Date Received: 04/25/24 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.41		1.0	0.41	ug/L			04/30/24 06:34	1
1,2,4-Trichlorobenzene	<0.41		1.0	0.41	ug/L			04/30/24 06:34	1
1,1,1-Trichloroethane	<0.82		1.0	0.82	ug/L			04/30/24 06:34	1
1,1,2-Trichloroethane	<0.23		1.0	0.23	ug/L			04/30/24 06:34	1
Trichloroethene	<0.46		1.0	0.46	ug/L			04/30/24 06:34	1
Trichlorofluoromethane	<0.88		1.0	0.88	ug/L			04/30/24 06:34	1
1,2,3-Trichloropropane	<0.89		1.0	0.89	ug/L			04/30/24 06:34	1
1,2,4-Trimethylbenzene	<0.75		1.0	0.75	ug/L			04/30/24 06:34	1
1,3,5-Trimethylbenzene	<0.77		1.0	0.77	ug/L			04/30/24 06:34	1
Vinyl chloride	<0.90		1.0	0.90	ug/L			04/30/24 06:34	1
Xylenes, Total	<0.66		2.0	0.66	ug/L			04/30/24 06:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		73 - 120		04/30/24 06:34	1
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		04/30/24 06:34	1
Toluene-d8 (Surr)	106		80 - 120		04/30/24 06:34	1

Client Sample Results

Client: Giles Engineering Associates
 Project/Site: 690 Westfield Way - 1E-2308010

Job ID: 500-249476-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-249476-2

Date Collected: 04/22/24 00:00

Matrix: Water

Date Received: 04/25/24 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.41		1.0	0.41	ug/L			04/27/24 16:56	1
Bromobenzene	<0.80		1.0	0.80	ug/L			04/27/24 16:56	1
Bromochloromethane	<0.87		1.0	0.87	ug/L			04/27/24 16:56	1
Bromodichloromethane	<0.39	+	1.0	0.39	ug/L			04/27/24 16:56	1
Bromoform	<0.26		1.0	0.26	ug/L			04/27/24 16:56	1
Bromomethane	<0.69		1.0	0.69	ug/L			04/27/24 16:56	1
Carbon tetrachloride	<0.27		1.0	0.27	ug/L			04/27/24 16:56	1
Chlorobenzene	<0.75		1.0	0.75	ug/L			04/27/24 16:56	1
Chloroethane	<0.32		1.0	0.32	ug/L			04/27/24 16:56	1
Chloroform	<0.34		1.0	0.34	ug/L			04/27/24 16:56	1
Chloromethane	<0.35		1.0	0.35	ug/L			04/27/24 16:56	1
2-Chlorotoluene	<0.86		1.0	0.86	ug/L			04/27/24 16:56	1
4-Chlorotoluene	<0.84		1.0	0.84	ug/L			04/27/24 16:56	1
cis-1,2-Dichloroethene	<0.81		1.0	0.81	ug/L			04/27/24 16:56	1
cis-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/27/24 16:56	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			04/27/24 16:56	1
1,2-Dibromo-3-Chloropropane	<0.39		1.0	0.39	ug/L			04/27/24 16:56	1
Dibromomethane	<0.41		1.0	0.41	ug/L			04/27/24 16:56	1
1,2-Dichlorobenzene	<0.79		1.0	0.79	ug/L			04/27/24 16:56	1
1,3-Dichlorobenzene	<0.78		1.0	0.78	ug/L			04/27/24 16:56	1
1,4-Dichlorobenzene	<0.84		1.0	0.84	ug/L			04/27/24 16:56	1
Dichlorodifluoromethane	<0.68		1.0	0.68	ug/L			04/27/24 16:56	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			04/27/24 16:56	1
1,2-Dichloroethane	<0.21		1.0	0.21	ug/L			04/27/24 16:56	1
1,1-Dichloroethene	<0.29		1.0	0.29	ug/L			04/27/24 16:56	1
1,2-Dichloropropane	<0.72		1.0	0.72	ug/L			04/27/24 16:56	1
1,3-Dichloropropane	<0.75		1.0	0.75	ug/L			04/27/24 16:56	1
2,2-Dichloropropane	<0.40		1.0	0.40	ug/L			04/27/24 16:56	1
1,1-Dichloropropene	<0.72		1.0	0.72	ug/L			04/27/24 16:56	1
Ethylbenzene	<0.74		1.0	0.74	ug/L			04/27/24 16:56	1
Ethylene Dibromide	<0.73		1.0	0.73	ug/L			04/27/24 16:56	1
Hexachlorobutadiene	<0.28		2.0	0.28	ug/L			04/27/24 16:56	1
Isopropylbenzene	<0.79		1.0	0.79	ug/L			04/27/24 16:56	1
Isopropyl ether	<0.59		1.0	0.59	ug/L			04/27/24 16:56	1
Methylene Chloride	<0.44		1.0	0.44	ug/L			04/27/24 16:56	1
Methyl tert-butyl ether	<0.16		1.0	0.16	ug/L			04/27/24 16:56	1
Naphthalene	<0.43		1.0	0.43	ug/L			04/27/24 16:56	1
n-Butylbenzene	<0.64		1.0	0.64	ug/L			04/27/24 16:56	1
N-Propylbenzene	<0.69		1.0	0.69	ug/L			04/27/24 16:56	1
p-Isopropyltoluene	<0.31		1.0	0.31	ug/L			04/27/24 16:56	1
sec-Butylbenzene	<0.75		1.0	0.75	ug/L			04/27/24 16:56	1
Styrene	<0.73		1.0	0.73	ug/L			04/27/24 16:56	1
tert-Butylbenzene	<0.81		1.0	0.81	ug/L			04/27/24 16:56	1
1,1,1,2-Tetrachloroethane	<0.35		1.0	0.35	ug/L			04/27/24 16:56	1
1,1,2,2-Tetrachloroethane	<0.21		1.0	0.21	ug/L			04/27/24 16:56	1
Tetrachloroethene	<0.36		1.0	0.36	ug/L			04/27/24 16:56	1
Toluene	<0.51		1.0	0.51	ug/L			04/27/24 16:56	1
trans-1,2-Dichloroethene	<0.90		1.0	0.90	ug/L			04/27/24 16:56	1
trans-1,3-Dichloropropene	<0.37		1.0	0.37	ug/L			04/27/24 16:56	1

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Client Sample Results

Client: Giles Engineering Associates
 Project/Site: 690 Westfield Way - 1E-2308010

Job ID: 500-249476-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-249476-2

Date Collected: 04/22/24 00:00

Matrix: Water

Date Received: 04/25/24 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.41		1.0	0.41	ug/L			04/27/24 16:56	1
1,2,4-Trichlorobenzene	<0.41		1.0	0.41	ug/L			04/27/24 16:56	1
1,1,1-Trichloroethane	<0.82		1.0	0.82	ug/L			04/27/24 16:56	1
1,1,2-Trichloroethane	<0.23		1.0	0.23	ug/L			04/27/24 16:56	1
Trichloroethene	<0.46		1.0	0.46	ug/L			04/27/24 16:56	1
Trichlorofluoromethane	<0.88		1.0	0.88	ug/L			04/27/24 16:56	1
1,2,3-Trichloropropane	<0.89		1.0	0.89	ug/L			04/27/24 16:56	1
1,2,4-Trimethylbenzene	<0.75		1.0	0.75	ug/L			04/27/24 16:56	1
1,3,5-Trimethylbenzene	<0.77		1.0	0.77	ug/L			04/27/24 16:56	1
Vinyl chloride	<0.90		1.0	0.90	ug/L			04/27/24 16:56	1
Xylenes, Total	<0.66		2.0	0.66	ug/L			04/27/24 16:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		73 - 120		04/27/24 16:56	1
1,2-Dichloroethane-d4 (Surr)	114		77 - 120		04/27/24 16:56	1
Toluene-d8 (Surr)	109		80 - 120		04/27/24 16:56	1

Definitions/Glossary

Client: Giles Engineering Associates
Project/Site: 690 Westfield Way - 1E-2308010

Job ID: 500-249476-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	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.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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: Giles Engineering Associates
Project/Site: 690 Westfield Way - 1E-2308010

Job ID: 500-249476-1

GC/MS VOA

Analysis Batch: 709674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249476-2	Trip Blank	Total/NA	Water	8260C	
MB 480-709674/8	Method Blank	Total/NA	Water	8260C	
LCS 480-709674/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 709908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-249476-1	MW-1	Total/NA	Water	8260C	
MB 480-709908/8	Method Blank	Total/NA	Water	8260C	
LCS 480-709908/6	Lab Control Sample	Total/NA	Water	8260C	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Surrogate Summary

Client: Giles Engineering Associates
Project/Site: 690 Westfield Way - 1E-2308010

Job ID: 500-249476-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB	DCA	TOL
		(73-120)	(77-120)	(80-120)
500-249476-1	MW-1	108	102	106
500-249476-2	Trip Blank	104	114	109
LCS 480-709674/6	Lab Control Sample	98	112	103
LCS 480-709908/6	Lab Control Sample	110	106	107
MB 480-709674/8	Method Blank	101	110	107
MB 480-709908/8	Method Blank	114	101	105

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: Giles Engineering Associates
 Project/Site: 690 Westfield Way - 1E-2308010

Job ID: 500-249476-1

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

Lab Sample ID: MB 480-709674/8
Matrix: Water
Analysis Batch: 709674

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.41		1.0	0.41	ug/L			04/27/24 12:20	1
Bromobenzene	<0.80		1.0	0.80	ug/L			04/27/24 12:20	1
Bromochloromethane	<0.87		1.0	0.87	ug/L			04/27/24 12:20	1
Bromodichloromethane	<0.39		1.0	0.39	ug/L			04/27/24 12:20	1
Bromoform	<0.26		1.0	0.26	ug/L			04/27/24 12:20	1
Bromomethane	<0.69		1.0	0.69	ug/L			04/27/24 12:20	1
Carbon tetrachloride	<0.27		1.0	0.27	ug/L			04/27/24 12:20	1
Chlorobenzene	<0.75		1.0	0.75	ug/L			04/27/24 12:20	1
Chloroethane	<0.32		1.0	0.32	ug/L			04/27/24 12:20	1
Chloroform	<0.34		1.0	0.34	ug/L			04/27/24 12:20	1
Chloromethane	<0.35		1.0	0.35	ug/L			04/27/24 12:20	1
2-Chlorotoluene	<0.86		1.0	0.86	ug/L			04/27/24 12:20	1
4-Chlorotoluene	<0.84		1.0	0.84	ug/L			04/27/24 12:20	1
cis-1,2-Dichloroethene	<0.81		1.0	0.81	ug/L			04/27/24 12:20	1
cis-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/27/24 12:20	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			04/27/24 12:20	1
1,2-Dibromo-3-Chloropropane	<0.39		1.0	0.39	ug/L			04/27/24 12:20	1
Dibromomethane	<0.41		1.0	0.41	ug/L			04/27/24 12:20	1
1,2-Dichlorobenzene	<0.79		1.0	0.79	ug/L			04/27/24 12:20	1
1,3-Dichlorobenzene	<0.78		1.0	0.78	ug/L			04/27/24 12:20	1
1,4-Dichlorobenzene	<0.84		1.0	0.84	ug/L			04/27/24 12:20	1
Dichlorodifluoromethane	<0.68		1.0	0.68	ug/L			04/27/24 12:20	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			04/27/24 12:20	1
1,2-Dichloroethane	<0.21		1.0	0.21	ug/L			04/27/24 12:20	1
1,1-Dichloroethene	<0.29		1.0	0.29	ug/L			04/27/24 12:20	1
1,2-Dichloropropane	<0.72		1.0	0.72	ug/L			04/27/24 12:20	1
1,3-Dichloropropane	<0.75		1.0	0.75	ug/L			04/27/24 12:20	1
2,2-Dichloropropane	<0.40		1.0	0.40	ug/L			04/27/24 12:20	1
1,1-Dichloropropene	<0.72		1.0	0.72	ug/L			04/27/24 12:20	1
Ethylbenzene	<0.74		1.0	0.74	ug/L			04/27/24 12:20	1
Ethylene Dibromide	<0.73		1.0	0.73	ug/L			04/27/24 12:20	1
Hexachlorobutadiene	<0.28		2.0	0.28	ug/L			04/27/24 12:20	1
Isopropylbenzene	<0.79		1.0	0.79	ug/L			04/27/24 12:20	1
Isopropyl ether	<0.59		1.0	0.59	ug/L			04/27/24 12:20	1
Methylene Chloride	<0.44		1.0	0.44	ug/L			04/27/24 12:20	1
Methyl tert-butyl ether	<0.16		1.0	0.16	ug/L			04/27/24 12:20	1
Naphthalene	<0.43		1.0	0.43	ug/L			04/27/24 12:20	1
n-Butylbenzene	<0.64		1.0	0.64	ug/L			04/27/24 12:20	1
N-Propylbenzene	<0.69		1.0	0.69	ug/L			04/27/24 12:20	1
p-Isopropyltoluene	<0.31		1.0	0.31	ug/L			04/27/24 12:20	1
sec-Butylbenzene	<0.75		1.0	0.75	ug/L			04/27/24 12:20	1
Styrene	<0.73		1.0	0.73	ug/L			04/27/24 12:20	1
tert-Butylbenzene	<0.81		1.0	0.81	ug/L			04/27/24 12:20	1
1,1,1,2-Tetrachloroethane	<0.35		1.0	0.35	ug/L			04/27/24 12:20	1
1,1,2,2-Tetrachloroethane	<0.21		1.0	0.21	ug/L			04/27/24 12:20	1
Tetrachloroethene	<0.36		1.0	0.36	ug/L			04/27/24 12:20	1
Toluene	<0.51		1.0	0.51	ug/L			04/27/24 12:20	1
trans-1,2-Dichloroethene	<0.90		1.0	0.90	ug/L			04/27/24 12:20	1

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QC Sample Results

Client: Giles Engineering Associates
 Project/Site: 690 Westfield Way - 1E-2308010

Job ID: 500-249476-1

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

Lab Sample ID: MB 480-709674/8
Matrix: Water
Analysis Batch: 709674

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
trans-1,3-Dichloropropene	<0.37		1.0	0.37	ug/L			04/27/24 12:20	1
1,2,3-Trichlorobenzene	<0.41		1.0	0.41	ug/L			04/27/24 12:20	1
1,2,4-Trichlorobenzene	<0.41		1.0	0.41	ug/L			04/27/24 12:20	1
1,1,1-Trichloroethane	<0.82		1.0	0.82	ug/L			04/27/24 12:20	1
1,1,2-Trichloroethane	<0.23		1.0	0.23	ug/L			04/27/24 12:20	1
Trichloroethene	<0.46		1.0	0.46	ug/L			04/27/24 12:20	1
Trichlorofluoromethane	<0.88		1.0	0.88	ug/L			04/27/24 12:20	1
1,2,3-Trichloropropane	<0.89		1.0	0.89	ug/L			04/27/24 12:20	1
1,2,4-Trimethylbenzene	<0.75		1.0	0.75	ug/L			04/27/24 12:20	1
1,3,5-Trimethylbenzene	<0.77		1.0	0.77	ug/L			04/27/24 12:20	1
Vinyl chloride	<0.90		1.0	0.90	ug/L			04/27/24 12:20	1
Xylenes, Total	<0.66		2.0	0.66	ug/L			04/27/24 12:20	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	101		73 - 120		04/27/24 12:20	1
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		04/27/24 12:20	1
Toluene-d8 (Surr)	107		80 - 120		04/27/24 12:20	1

Lab Sample ID: LCS 480-709674/6
Matrix: Water
Analysis Batch: 709674

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

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	25.0	28.6		ug/L		114	71 - 124
Bromobenzene	25.0	27.1		ug/L		109	78 - 120
Bromochloromethane	25.0	28.2		ug/L		113	72 - 130
Bromodichloromethane	25.0	30.9	*+	ug/L		123	80 - 122
Bromoform	25.0	29.9		ug/L		120	61 - 132
Bromomethane	25.0	26.3		ug/L		105	55 - 144
Carbon tetrachloride	25.0	32.4		ug/L		130	72 - 134
Chlorobenzene	25.0	27.6		ug/L		110	80 - 120
Chloroethane	25.0	24.2		ug/L		97	69 - 136
Chloroform	25.0	27.5		ug/L		110	73 - 127
Chloromethane	25.0	21.7		ug/L		87	68 - 124
2-Chlorotoluene	25.0	27.7		ug/L		111	76 - 121
4-Chlorotoluene	25.0	27.5		ug/L		110	77 - 121
cis-1,2-Dichloroethene	25.0	29.1		ug/L		117	74 - 124
cis-1,3-Dichloropropene	25.0	29.8		ug/L		119	74 - 124
Dibromochloromethane	25.0	30.5		ug/L		122	75 - 125
1,2-Dibromo-3-Chloropropane	25.0	27.4		ug/L		110	56 - 134
Dibromomethane	25.0	28.6		ug/L		114	76 - 127
1,2-Dichlorobenzene	25.0	26.2		ug/L		105	80 - 124
1,3-Dichlorobenzene	25.0	26.9		ug/L		107	77 - 120
1,4-Dichlorobenzene	25.0	26.9		ug/L		108	80 - 120
Dichlorodifluoromethane	25.0	20.4		ug/L		82	59 - 135
1,1-Dichloroethane	25.0	29.1		ug/L		116	77 - 120
1,2-Dichloroethane	25.0	28.7		ug/L		115	75 - 120
1,1-Dichloroethene	25.0	29.5		ug/L		118	66 - 127

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QC Sample Results

Client: Giles Engineering Associates
 Project/Site: 690 Westfield Way - 1E-2308010

Job ID: 500-249476-1

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

Lab Sample ID: LCS 480-709674/6
Matrix: Water
Analysis Batch: 709674

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloropropane	25.0	29.3		ug/L		117	76 - 120
1,3-Dichloropropane	25.0	26.9		ug/L		108	75 - 120
2,2-Dichloropropane	25.0	32.3		ug/L		129	63 - 136
1,1-Dichloropropene	25.0	29.4		ug/L		118	72 - 122
Ethylbenzene	25.0	28.5		ug/L		114	77 - 123
Ethylene Dibromide	25.0	27.2		ug/L		109	77 - 120
Hexachlorobutadiene	25.0	28.7		ug/L		115	68 - 131
Isopropylbenzene	25.0	27.8		ug/L		111	77 - 122
Methylene Chloride	25.0	27.0		ug/L		108	75 - 124
Methyl tert-butyl ether	25.0	27.5		ug/L		110	77 - 120
Naphthalene	25.0	24.8		ug/L		99	66 - 125
n-Butylbenzene	25.0	27.6		ug/L		110	71 - 128
N-Propylbenzene	25.0	28.0		ug/L		112	75 - 127
p-Isopropyltoluene	25.0	27.4		ug/L		110	73 - 120
sec-Butylbenzene	25.0	27.3		ug/L		109	74 - 127
Styrene	25.0	28.6		ug/L		115	80 - 120
tert-Butylbenzene	25.0	27.3		ug/L		109	75 - 123
1,1,1,2-Tetrachloroethane	25.0	29.8		ug/L		119	80 - 120
1,1,2,2-Tetrachloroethane	25.0	26.2		ug/L		105	76 - 120
Tetrachloroethene	25.0	28.5		ug/L		114	74 - 122
Toluene	25.0	26.7		ug/L		107	80 - 122
trans-1,2-Dichloroethene	25.0	29.6		ug/L		118	73 - 127
trans-1,3-Dichloropropene	25.0	28.4		ug/L		113	80 - 120
1,2,3-Trichlorobenzene	25.0	26.4		ug/L		106	75 - 123
1,2,4-Trichlorobenzene	25.0	26.3		ug/L		105	79 - 122
1,1,1-Trichloroethane	25.0	30.5		ug/L		122	73 - 126
1,1,2-Trichloroethane	25.0	26.2		ug/L		105	76 - 122
Trichloroethene	25.0	29.9		ug/L		120	74 - 123
Trichlorofluoromethane	25.0	25.6		ug/L		102	62 - 150
1,2,3-Trichloropropane	25.0	26.4		ug/L		105	68 - 122
1,2,4-Trimethylbenzene	25.0	27.7		ug/L		111	76 - 121
1,3,5-Trimethylbenzene	25.0	27.5		ug/L		110	77 - 121
Vinyl chloride	25.0	24.8		ug/L		99	65 - 133
Xylenes, Total	50.0	56.0		ug/L		112	76 - 122

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	98		73 - 120
1,2-Dichloroethane-d4 (Surr)	112		77 - 120
Toluene-d8 (Surr)	103		80 - 120

Lab Sample ID: MB 480-709908/8
Matrix: Water
Analysis Batch: 709908

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.41		1.0	0.41	ug/L			04/29/24 23:13	1
Bromobenzene	<0.80		1.0	0.80	ug/L			04/29/24 23:13	1
Bromochloromethane	<0.87		1.0	0.87	ug/L			04/29/24 23:13	1

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QC Sample Results

Client: Giles Engineering Associates
 Project/Site: 690 Westfield Way - 1E-2308010

Job ID: 500-249476-1

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

Lab Sample ID: MB 480-709908/8
Matrix: Water
Analysis Batch: 709908

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Bromodichloromethane	<0.39		1.0	0.39	ug/L			04/29/24 23:13	1
Bromoform	<0.26		1.0	0.26	ug/L			04/29/24 23:13	1
Bromomethane	<0.69		1.0	0.69	ug/L			04/29/24 23:13	1
Carbon tetrachloride	<0.27		1.0	0.27	ug/L			04/29/24 23:13	1
Chlorobenzene	<0.75		1.0	0.75	ug/L			04/29/24 23:13	1
Chloroethane	<0.32		1.0	0.32	ug/L			04/29/24 23:13	1
Chloroform	<0.34		1.0	0.34	ug/L			04/29/24 23:13	1
Chloromethane	<0.35		1.0	0.35	ug/L			04/29/24 23:13	1
2-Chlorotoluene	<0.86		1.0	0.86	ug/L			04/29/24 23:13	1
4-Chlorotoluene	<0.84		1.0	0.84	ug/L			04/29/24 23:13	1
cis-1,2-Dichloroethene	<0.81		1.0	0.81	ug/L			04/29/24 23:13	1
cis-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/29/24 23:13	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			04/29/24 23:13	1
1,2-Dibromo-3-Chloropropane	<0.39		1.0	0.39	ug/L			04/29/24 23:13	1
Dibromomethane	<0.41		1.0	0.41	ug/L			04/29/24 23:13	1
1,2-Dichlorobenzene	<0.79		1.0	0.79	ug/L			04/29/24 23:13	1
1,3-Dichlorobenzene	<0.78		1.0	0.78	ug/L			04/29/24 23:13	1
1,4-Dichlorobenzene	<0.84		1.0	0.84	ug/L			04/29/24 23:13	1
Dichlorodifluoromethane	<0.68		1.0	0.68	ug/L			04/29/24 23:13	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			04/29/24 23:13	1
1,2-Dichloroethane	<0.21		1.0	0.21	ug/L			04/29/24 23:13	1
1,1-Dichloroethene	<0.29		1.0	0.29	ug/L			04/29/24 23:13	1
1,2-Dichloropropane	<0.72		1.0	0.72	ug/L			04/29/24 23:13	1
1,3-Dichloropropane	<0.75		1.0	0.75	ug/L			04/29/24 23:13	1
2,2-Dichloropropane	<0.40		1.0	0.40	ug/L			04/29/24 23:13	1
1,1-Dichloropropene	<0.72		1.0	0.72	ug/L			04/29/24 23:13	1
Ethylbenzene	<0.74		1.0	0.74	ug/L			04/29/24 23:13	1
Ethylene Dibromide	<0.73		1.0	0.73	ug/L			04/29/24 23:13	1
Hexachlorobutadiene	<0.28		2.0	0.28	ug/L			04/29/24 23:13	1
Isopropylbenzene	<0.79		1.0	0.79	ug/L			04/29/24 23:13	1
Isopropyl ether	<0.59		1.0	0.59	ug/L			04/29/24 23:13	1
Methylene Chloride	<0.44		1.0	0.44	ug/L			04/29/24 23:13	1
Methyl tert-butyl ether	<0.16		1.0	0.16	ug/L			04/29/24 23:13	1
Naphthalene	<0.43		1.0	0.43	ug/L			04/29/24 23:13	1
n-Butylbenzene	<0.64		1.0	0.64	ug/L			04/29/24 23:13	1
N-Propylbenzene	<0.69		1.0	0.69	ug/L			04/29/24 23:13	1
p-Isopropyltoluene	<0.31		1.0	0.31	ug/L			04/29/24 23:13	1
sec-Butylbenzene	<0.75		1.0	0.75	ug/L			04/29/24 23:13	1
Styrene	<0.73		1.0	0.73	ug/L			04/29/24 23:13	1
tert-Butylbenzene	<0.81		1.0	0.81	ug/L			04/29/24 23:13	1
1,1,1,2-Tetrachloroethane	<0.35		1.0	0.35	ug/L			04/29/24 23:13	1
1,1,2,2-Tetrachloroethane	<0.21		1.0	0.21	ug/L			04/29/24 23:13	1
Tetrachloroethene	<0.36		1.0	0.36	ug/L			04/29/24 23:13	1
Toluene	<0.51		1.0	0.51	ug/L			04/29/24 23:13	1
trans-1,2-Dichloroethene	<0.90		1.0	0.90	ug/L			04/29/24 23:13	1
trans-1,3-Dichloropropene	<0.37		1.0	0.37	ug/L			04/29/24 23:13	1
1,2,3-Trichlorobenzene	<0.41		1.0	0.41	ug/L			04/29/24 23:13	1
1,2,4-Trichlorobenzene	<0.41		1.0	0.41	ug/L			04/29/24 23:13	1
1,1,1-Trichloroethane	<0.82		1.0	0.82	ug/L			04/29/24 23:13	1

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QC Sample Results

Client: Giles Engineering Associates
 Project/Site: 690 Westfield Way - 1E-2308010

Job ID: 500-249476-1

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

Lab Sample ID: MB 480-709908/8
Matrix: Water
Analysis Batch: 709908

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,2-Trichloroethane	<0.23		1.0	0.23	ug/L			04/29/24 23:13	1
Trichloroethene	<0.46		1.0	0.46	ug/L			04/29/24 23:13	1
Trichlorofluoromethane	<0.88		1.0	0.88	ug/L			04/29/24 23:13	1
1,2,3-Trichloropropane	<0.89		1.0	0.89	ug/L			04/29/24 23:13	1
1,2,4-Trimethylbenzene	<0.75		1.0	0.75	ug/L			04/29/24 23:13	1
1,3,5-Trimethylbenzene	<0.77		1.0	0.77	ug/L			04/29/24 23:13	1
Vinyl chloride	<0.90		1.0	0.90	ug/L			04/29/24 23:13	1
Xylenes, Total	<0.66		2.0	0.66	ug/L			04/29/24 23:13	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	114		73 - 120		04/29/24 23:13	1
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		04/29/24 23:13	1
Toluene-d8 (Surr)	105		80 - 120		04/29/24 23:13	1

Lab Sample ID: LCS 480-709908/6
Matrix: Water
Analysis Batch: 709908

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

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	25.0	25.0		ug/L		100	71 - 124
Bromobenzene	25.0	23.5		ug/L		94	78 - 120
Bromochloromethane	25.0	28.0		ug/L		112	72 - 130
Bromodichloromethane	25.0	26.1		ug/L		104	80 - 122
Bromoform	25.0	27.8		ug/L		111	61 - 132
Bromomethane	25.0	27.3		ug/L		109	55 - 144
Carbon tetrachloride	25.0	29.2		ug/L		117	72 - 134
Chlorobenzene	25.0	25.0		ug/L		100	80 - 120
Chloroethane	25.0	24.5		ug/L		98	69 - 136
Chloroform	25.0	26.0		ug/L		104	73 - 127
Chloromethane	25.0	25.8		ug/L		103	68 - 124
2-Chlorotoluene	25.0	23.7		ug/L		95	76 - 121
4-Chlorotoluene	25.0	23.1		ug/L		93	77 - 121
cis-1,2-Dichloroethene	25.0	27.3		ug/L		109	74 - 124
cis-1,3-Dichloropropane	25.0	25.6		ug/L		102	74 - 124
Dibromochloromethane	25.0	27.8		ug/L		111	75 - 125
1,2-Dibromo-3-Chloropropane	25.0	22.8		ug/L		91	56 - 134
Dibromomethane	25.0	24.7		ug/L		99	76 - 127
1,2-Dichlorobenzene	25.0	23.7		ug/L		95	80 - 124
1,3-Dichlorobenzene	25.0	23.7		ug/L		95	77 - 120
1,4-Dichlorobenzene	25.0	23.6		ug/L		94	80 - 120
Dichlorodifluoromethane	25.0	28.2		ug/L		113	59 - 135
1,1-Dichloroethane	25.0	24.9		ug/L		100	77 - 120
1,2-Dichloroethane	25.0	24.6		ug/L		99	75 - 120
1,1-Dichloroethene	25.0	25.3		ug/L		101	66 - 127
1,2-Dichloropropane	25.0	23.6		ug/L		94	76 - 120
1,3-Dichloropropane	25.0	23.2		ug/L		93	75 - 120
2,2-Dichloropropane	25.0	31.5		ug/L		126	63 - 136
1,1-Dichloropropene	25.0	25.2		ug/L		101	72 - 122

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QC Sample Results

Client: Giles Engineering Associates
 Project/Site: 690 Westfield Way - 1E-2308010

Job ID: 500-249476-1

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

Lab Sample ID: LCS 480-709908/6
Matrix: Water
Analysis Batch: 709908

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	25.0	24.3		ug/L		97	77 - 123
Ethylene Dibromide	25.0	24.9		ug/L		100	77 - 120
Hexachlorobutadiene	25.0	24.2		ug/L		97	68 - 131
Isopropylbenzene	25.0	23.7		ug/L		95	77 - 122
Methylene Chloride	25.0	23.3		ug/L		93	75 - 124
Methyl tert-butyl ether	25.0	24.4		ug/L		97	77 - 120
Naphthalene	25.0	22.8		ug/L		91	66 - 125
n-Butylbenzene	25.0	22.0		ug/L		88	71 - 128
N-Propylbenzene	25.0	21.9		ug/L		88	75 - 127
p-Isopropyltoluene	25.0	23.4		ug/L		94	73 - 120
sec-Butylbenzene	25.0	22.7		ug/L		91	74 - 127
Styrene	25.0	24.7		ug/L		99	80 - 120
tert-Butylbenzene	25.0	24.4		ug/L		97	75 - 123
1,1,1,2-Tetrachloroethane	25.0	29.1		ug/L		116	80 - 120
1,1,2,2-Tetrachloroethane	25.0	20.8		ug/L		83	76 - 120
Tetrachloroethene	25.0	25.1		ug/L		100	74 - 122
Toluene	25.0	24.6		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	26.7		ug/L		107	73 - 127
trans-1,3-Dichloropropene	25.0	24.5		ug/L		98	80 - 120
1,2,3-Trichlorobenzene	25.0	23.7		ug/L		95	75 - 123
1,2,4-Trichlorobenzene	25.0	24.4		ug/L		97	79 - 122
1,1,1-Trichloroethane	25.0	26.9		ug/L		108	73 - 126
1,1,2-Trichloroethane	25.0	22.9		ug/L		92	76 - 122
Trichloroethene	25.0	26.8		ug/L		107	74 - 123
Trichlorofluoromethane	25.0	25.3		ug/L		101	62 - 150
1,2,3-Trichloropropane	25.0	22.6		ug/L		90	68 - 122
1,2,4-Trimethylbenzene	25.0	24.0		ug/L		96	76 - 121
1,3,5-Trimethylbenzene	25.0	23.2		ug/L		93	77 - 121
Vinyl chloride	25.0	24.9		ug/L		100	65 - 133
Xylenes, Total	50.0	51.1		ug/L		102	76 - 122

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	110		73 - 120
1,2-Dichloroethane-d4 (Surr)	106		77 - 120
Toluene-d8 (Surr)	107		80 - 120

Lab Chronicle

Client: Giles Engineering Associates
Project/Site: 690 Westfield Way - 1E-2308010

Job ID: 500-249476-1

Client Sample ID: MW-1

Date Collected: 04/22/24 11:00

Date Received: 04/25/24 09:20

Lab Sample ID: 500-249476-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	709908	ZN	EET BUF	04/30/24 06:34

Client Sample ID: Trip Blank

Date Collected: 04/22/24 00:00

Date Received: 04/25/24 09:20

Lab Sample ID: 500-249476-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	709674	ERS	EET BUF	04/27/24 16:56

Laboratory References:

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

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Accreditation/Certification Summary

Client: Giles Engineering Associates
Project/Site: 690 Westfield Way - 1E-2308010

Job ID: 500-249476-1

Laboratory: Eurofins Buffalo

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

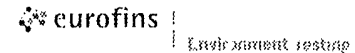
Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998310390	08-31-24

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Eurofins Chicago

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

Chain of Custody Record



Client Information		Sampler: <i>Cody Reich</i>		Lab PM: Fredrick, Sandie		Carrier Tracking No(s)		COC No: 500-123481-49625 1			
Client Contact: Mr Kevin Bugel ; <i>Environmental Lab</i>		Phone: <i>262-544-0118</i>		E-Mail: Sandra.Fredrick@et.eurofinsus.com		State of Origin:		Page: Page 1 of 1			
Company: Giles Engineering Associates		PWSID		Analysis Requested						Job #: <i>500-249426</i>	
Address: N8 W 22350 Johnson Road		Due Date Requested		Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> Purchase MS/MS (Yes or No) <input checked="" type="checkbox"/> VOC <i>8260B</i>						Preservation Codes	
City: Waukesha		TAT Requested (days): <i>7 day TAT</i>									
State/Zip: WI, 53186		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No									
Phone: <i>262-544-0118</i>		PO #: Purchase Order not required									
Email: <i>kbugel@gilesengr.com; envlab@gilesengr.com</i>		W/O #:									
Project Name: 690 Westfield Way/Giles Project 1E-230810		Project #: 50006545		Total Number of Containers:						Other	
Site		SSOW#:									
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Purchase MS/MS (Yes or No)	VOC	8260B	Total Number of Containers	Special Instructions/Note
<i>1 MW-1</i>		<i>4-22-24</i>	<i>1100</i>	<i>G</i>	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
<i>2 Trip Blank</i>					Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
					Water						
					Soil						
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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: <i>Cody L Reich</i>		Date/Time: <i>4-24-24 1700</i>		Company: <i>Giles</i>		Received by: <i>Phil Scott</i>		Date/Time: <i>4/24/24 0920</i>		Company: <i>EBPA</i>	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:	
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks: <i>4.4 - 7.0</i>							





500-249476 Waybi

KEVIN BUELE
GILES ENGINEERING ASSOCIATE
NB W 22350 JOHNSON ROAD

ALINGI. 25 UU LB MNH
CAD: 0780307/CAFE3755

WAUKESHA, WI 53186
UNITED STATES US

Part # 159489-434 ATTN EXP 09/24

TO **SAMPLE RECEIPT**
EUROFINS CHICAGO
2417 BOND ST.

UNIVERSITY PARK IL 60484

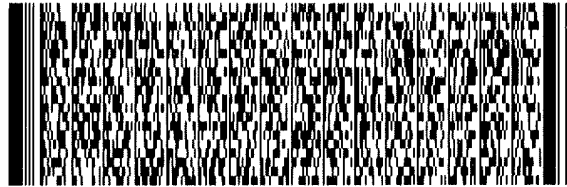
(708) 634-5200

REF:

INVT

DEPT:

RMA ||| ||| |||



FedEx
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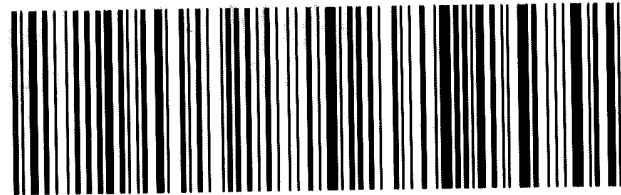
TRK# 7338 9115 9311
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THU - 25 APR 10:30A
PRIORITY OVERNIGHT

79 JOTA

60484
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Part # 159297-434 ATTN EXP 10/24



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Chain of Custody Record



Client Information (Sub Contract Lab)				Sampler:		Lab PM: Fredrick, Sandie		Carrier Tracking No(s):		COC No: 500-187440.1			
Client Contact: Shipping/Receiving				Phone:		E-Mail: Sandra.Fredrick@et.eurofinsus.com		State of Origin: Wisconsin		Page: Page 1 of 1			
Company: Eurofins Environment Testing Northeast,				Accreditations Required (See note): State - Wisconsin; State Program - Wisconsin				Job #: 500-249476-1					
Address: 10 Hazelwood Drive,		Due Date Requested: 4/30/2024		TAT Requested (days):		Analysis Requested						Preservation Codes:	
City: Amherst		PO #:		WO #:									
State, Zip: NY, 14228-2298		Project #: 50006545		SSOW#:									
Phone: 716-691-2600(Tel) 716-691-7991(Fax)		Project Name: 690 Westfield Way - 1E-2308010		Site:									
Email:													
Email:													
Sample Identification - Client ID (Lab ID)			Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C/6030C VOC	Total Number of containers		Special Instructions/Note:	
MW-1 (500-249476-1)			4/22/24	11:00 Central		Water		X			3		
Trip Blank (500-249476-2)			4/22/24	Central		Water		X			1		

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

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

Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by: [Signature]		Date/Time: 04/25/24 1600		Company: EETA		Received by: [Signature]	
Relinquished by:		Date/Time:		Company:		Received by: [Signature]	
Relinquished by:		Date/Time:		Company:		Received by: [Signature]	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 27 # ICE			

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5/1/2024



Login Sample Receipt Checklist

Client: Giles Engineering Associates

Job Number: 500-249476-1

Login Number: 249476

List Number: 1

Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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	4.0
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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Login Sample Receipt Checklist

Client: Giles Engineering Associates

Job Number: 500-249476-1

Login Number: 249476

List Number: 2

Creator: Kolb, Chris M

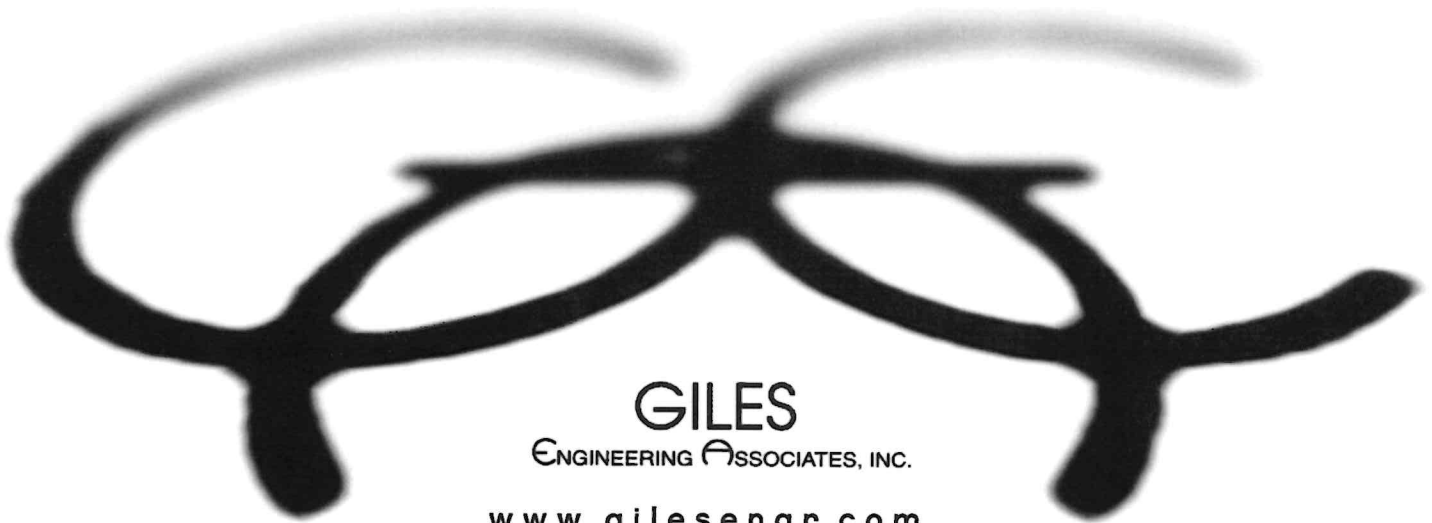
List Source: Eurofins Buffalo

List Creation: 04/27/24 11:42 AM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.7 ir gun #1 ice
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	



Geotechnical, Environmental & Construction Materials Consultants



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