GILES
ENGINEERING ASSOCIATES, INC.
GEOTECHNICAL, ENVIRONMENTAL & CONSTRUCTION MATERIALS CONSULTANTS

• Atlanta, GA
• Dallas, TX
• Los Angeles, CA
• Manassas, VA
• Milwaukee, WI

LETTER OF TRANSMITTAL

N8 W22350 Johnson Dr, Ste A1
Waukesha, Wisconsin 53186
www.gilesengr.com

262.544.0118
800.782.0610
FAX 262.549.5868

Date: 4/8/24	**Giles Project No. 1E-1105024**
ATTENTION: Trevor Bannister	
RE: Smoke-Out Cleaners, Verona, WI BRRTS # 02-13-552179	

TO: **Wisconsin Department of Natural Resources**
3911 Fish Hatchery Road
Fitchburg, WI 53711-5367

WE ARE SENDING YOU:
- ☒ Attached
- ☐ Under separate cover
- ☐ Shop drawings
- ☐ Specifications
- ☐ Plans
- ☐ Copy of letter
- ☐ Samples
- ☐ Change order
- ☒ **Laboratory Report**

Copies	Title/Description
1	**Groundwater Lab Report (MW-1 through MW-7 and PZ-1: 4/1/24)**

THESE ARE TRANSMITTED
- ☐ For approval
- ☐ No exceptions taken
- ☐ Resubmit _____ copies for review
- ☒ For your use
- ☐ Make noted corrections
- ☐ Submit _____ copies for distribution
- ☐ As requested
- ☐ Amend & resubmit
- ☐ Return _____ corrected prints
- ☐ For review and comment
- ☐ For bids due _____ _____

Trevor:

Attached is the lab report for the groundwater samples collected at the Smoke-Out Cleaners site in March 2024.

Please contact me if there are any questions or you require additional information.

Thank You,
Michelle Peed

COPY TO: Project File

SIGNED: Michelle Peed, PG

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Site Investigation Sample Results Notification

Form 4400-249 (R 03/14)

Notice: This form may be used to comply with the requirements of s. NR 716.14 (2), Wis. Adm. Code; however, use of this form is not required. An alternate format may be used. The rule requires that notification be provided to 1) property owners when someone else is conducting the sampling, 2) to occupants of property belonging to the responsible person, and 3) to owners and occupants of property that does not belong to the responsible person but has been affected by contamination arising on his or her property. Notification is required within 10 business days of receiving the sample results. Personal information collected will be used for program administration and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31-19.39, Wis. Stats.].

NOTE: Under s. NR 716.14, Wis. Adm. Code, the responsible party must also submit sample results and other required information to the DNR. We recommend that copies of the sample results notifications be included with that submittal, along with all attachments. Using the same format used for data presentation for a closure request may be helpful to all parties. See s. NR 716.14, Wis. Adm. Code for the full list of information to be submitted to the DNR.

Notification of Property Owners and Occupants:

This notification form has been provided to you in order to provide the results of environmental sampling that has been conducted on property that you own or occupy. Samples were collected in accordance with the methods identified in the site investigation work plan, in accordance with s. NR. 716.09 and 716.13, Wis. Adm. Code. This sampling was conducted as a result of contamination originating at the following location.

Site Information

Site Name			DNR ID # (BRRTS #)
Smoke Out Cleaners			02-13-552179
Address	**City**	**State**	**ZIP Code**
535 Half Mile Road	Verona	WI	53593

Responsible Party

The person(s) responsible for completing this environmental investigation is:

Property Owner

Verona Business Centre

Address	City	State	ZIP Code
2650 N. Nine Mound Road	Verona	WI	53593

Contact Person	Phone Number (include area code)
Joseph Krantz	

Person or company that collected samples

Giles Engineering Associates, Inc.

Sample Results (Results Attached)

Reason for Sampling: ◉ Routine ○ Other (define) _____

The contaminants that have been identified at this time on property that you own or occupy include:

Contaminant	In Soil? Yes	In Soil? No	In Groundwater? Yes	In Groundwater? No
Gasoline	○	○	○	○
Diesel or Fuel Oil	○	○	○	○
Solvents	◉	○	◉	○
Heavy Metals	○	○	○	○
Pesticides	○	○	○	○
Other: _____	○	○	○	○

This sampling event included sampling of a drinking water well.
○ Yes ◉ No

If yes, the sampled drinking water well had detectable contaminants.
○ Yes ○ No

Contaminants in Vapor	Yes	No
Indoor Air	○	○
Sub-slab	◉	○
Exterior Soil Gas	○	○

Attached are:

- A map that shows the locations from which samples were collected. (The map needs to meet the requirements of s. NR 716.15 (4), Wis. Adm. Code.)
- A data table with specific contaminant levels at each sample location and whether or not the sample results exceed state standards.
- A copy of the laboratory results.

You are not identified as the person that is responsible for this contamination. However, your cooperation is important. Property owners may become legally responsible for contamination if they do not allow access to the person that is responsible so that person may complete the environmental investigation and clean up activities.

Option for written exemption: You have the option of requesting a written liability exemption from the DNR for contamination that originated on another property, or on property that you lease. To do this, you must present an adequate environmental assessment of your property and pay a $700 fee for review of this information. If you are interested in this option, please see DNR publication # RR 589, "When Contamination Crosses a Property Line - Rights and Responsibilities of Property Owners", available at: dnr.wi.gov/files/PDF/pubs/rr/rr589.pdf.

Contact Information

Please address questions regarding this notification, or requests for additional information to the contact person listed above, or to one of the following contacts:

Environmental Consultant

Company Name	Contact Person Last Name	First Name
Giles Engineering Associates, Inc.	Peed	Michelle

Address	City	State	ZIP Code
N8 W22350 Johnson Drive	Waukesha	WI	53186

Phone # (inc. area code)	Email
(262) 544-0118	mpeed@gilesengr.com

Select which agency: (●) Natural Resources ( ) Agriculture, Trade and Consumer Protection

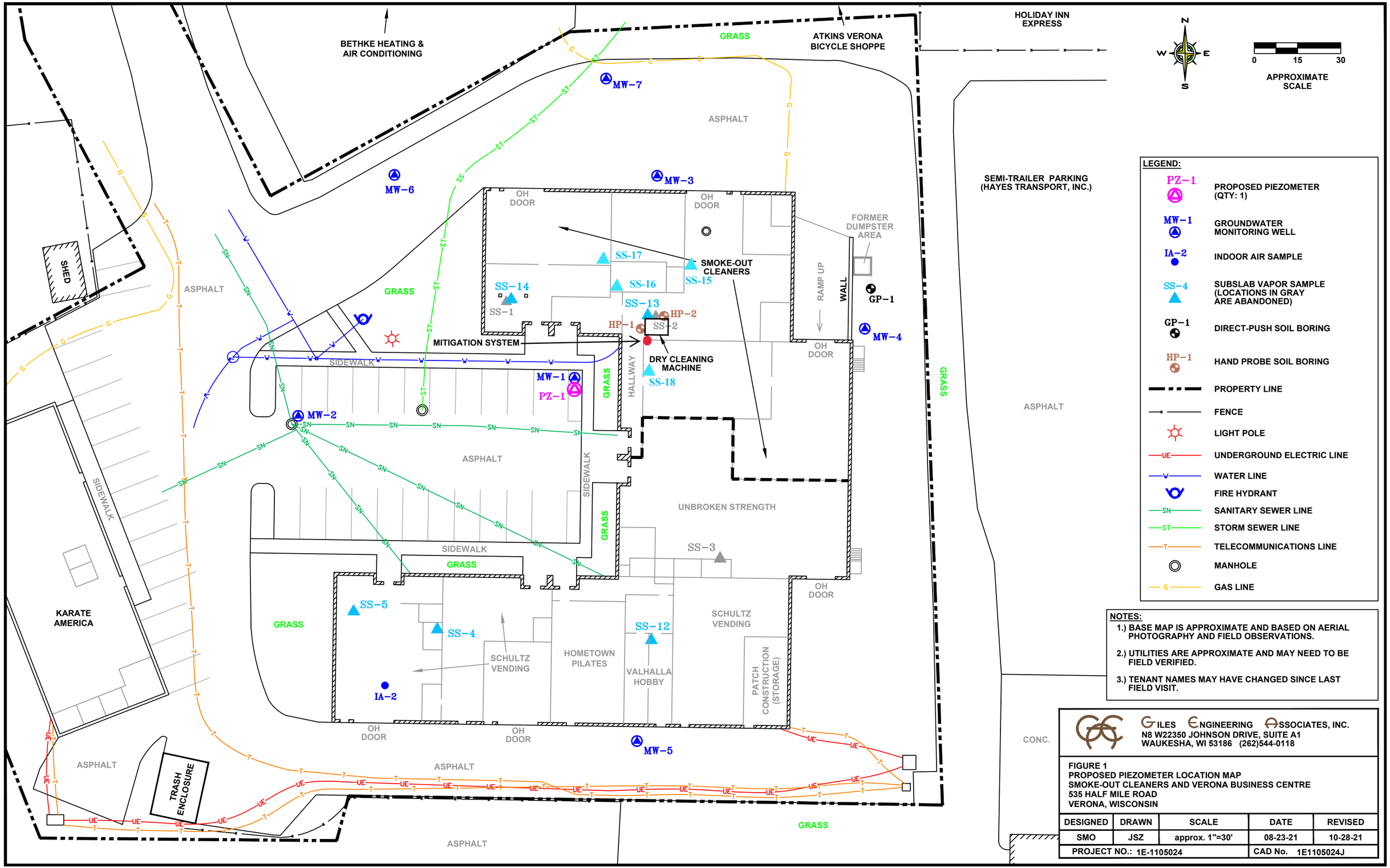
State of Wisconsin Department of Natural Resources

Contact Person Last Name	First Name	Phone # (inc. area code)
Bannister	Trevor	(608) 347-0058

Address	City	State	ZIP Code
3911 Fish Hatchery Road	Fitchburg	WI	53711

Email

TrevorA.Bannister@wisconsin.gov



LEGEND:

- PZ-1 — PROPOSED PIEZOMETER (QTY: 1)
- MW-1 — GROUNDWATER MONITORING WELL
- IA-2 — INDOOR AIR SAMPLE
- SS-4 — SUBSLAB VAPOR SAMPLE (LOCATIONS IN GRAY ARE ABANDONED)
- GP-1 — DIRECT-PUSH SOIL BORING
- HP-1 — HAND PROBE SOIL BORING
- PROPERTY LINE
- FENCE
- LIGHT POLE
- UE — UNDERGROUND ELECTRIC LINE
- W — WATER LINE
- FIRE HYDRANT
- SN — SANITARY SEWER LINE
- ST — STORM SEWER LINE
- T — TELECOMMUNICATIONS LINE
- MANHOLE
- G — GAS LINE

NOTES:

1.) BASE MAP IS APPROXIMATE AND BASED ON AERIAL PHOTOGRAPHY AND FIELD OBSERVATIONS.

2.) UTILITIES ARE APPROXIMATE AND MAY NEED TO BE FIELD VERIFIED.

3.) TENANT NAMES MAY HAVE CHANGED SINCE LAST FIELD VISIT.

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

FIGURE 1
PROPOSED PIEZOMETER LOCATION MAP
SMOKE-OUT CLEANERS AND VERONA BUSINESS CENTRE
535 HALF MILE ROAD
VERONA, WISCONSIN

DESIGNED	DRAWN	SCALE	DATE	REVISED
SMO	JSZ	approx. 1"=30'	08-23-21	10-28-21
PROJECT NO.: 1E-1105024			CAD No. 1E1105024J	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

Smoke-Out Verona - 1E-1105024

JOB NUMBER

500-247954-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

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

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

Table of Contents

Job ID: 500-247954-1 — Eurofins Chicago

Job Narrative
500-247954-1

Receipt
The samples were received on 03/21/24 09:50. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.5º C and 5.3º C.

Receipt Exceptions
The following sample(s) was listed on the Chain of Custody (COC); however, no sample(s) was received: Did not receive samples MW-2, MW-6, and MW-7. Resampled and sent in secondary shipment.

A Chain-of-Custody (COC) was not received with these samples: COC was emailed.

GC/MS VOA
Method 8260D: Methylene chloride was detected in the following items: MW-2 (500-247954-7), MW-6 (500-247954-8) and MW-7 (500-247954-9). Methylene chloride is a known lab contaminant; therefore all low level detects for this compound could be suspected as lab contamination.

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

Detection Summary

Client: Giles Engineering Associates
Project/Site: Smoke-Out Verona - 1E-1105024

Job ID: 500-247954-1

Client Sample ID: PZ-1 — Lab Sample ID: 500-247954-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	3.3		1.0	0.34	ug/L	1		8260D	Total/NA
Tetrachloroethene	1.7		1.0	0.37	ug/L	1		8260D	Total/NA

Client Sample ID: MW-1 — Lab Sample ID: 500-247954-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	59		1.0	0.41	ug/L	1		8260D	Total/NA
Naphthalene	1.7		1.0	0.34	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	0.98	J	1.0	0.35	ug/L	1		8260D	Total/NA
Trichloroethene	39		0.50	0.16	ug/L	1		8260D	Total/NA
Tetrachloroethene - DL	5600		100	37	ug/L	100		8260D	Total/NA

Client Sample ID: MW-3 — Lab Sample ID: 500-247954-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	190		1.0	0.41	ug/L	1		8260D	Total/NA
Naphthalene	0.70	J	1.0	0.34	ug/L	1		8260D	Total/NA
Trichloroethene	13		0.50	0.16	ug/L	1		8260D	Total/NA
Tetrachloroethene - DL	170		10	3.7	ug/L	10		8260D	Total/NA

Client Sample ID: MW-4 — Lab Sample ID: 500-247954-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.58	J	1.0	0.34	ug/L	1		8260D	Total/NA

Client Sample ID: MW-5 — Lab Sample ID: 500-247954-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.79	J	1.0	0.34	ug/L	1		8260D	Total/NA
Tetrachloroethene	1.1		1.0	0.37	ug/L	1		8260D	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 500-247954-6

No Detections.

Client Sample ID: MW-2 — Lab Sample ID: 500-247954-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	3.1	J B	5.0	1.6	ug/L	1		8260D	Total/NA
Naphthalene	5.6		1.0	0.34	ug/L	1		8260D	Total/NA

Client Sample ID: MW-6 — Lab Sample ID: 500-247954-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	3.3	J B	5.0	1.6	ug/L	1		8260D	Total/NA
Naphthalene	0.63	J	1.0	0.34	ug/L	1		8260D	Total/NA
Tetrachloroethene	7.9		1.0	0.37	ug/L	1		8260D	Total/NA

Client Sample ID: MW-7 — Lab Sample ID: 500-247954-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	3.1	J B	5.0	1.6	ug/L	1		8260D	Total/NA
Tetrachloroethene	16		1.0	0.37	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Giles Engineering Associates
Project/Site: Smoke-Out Verona - 1E-1105024

Job ID: 500-247954-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Giles Engineering Associates
Project/Site: Smoke-Out Verona - 1E-1105024

Job ID: 500-247954-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-247954-1	PZ-1	Water	03/20/24 14:25	03/21/24 09:50
500-247954-2	MW-1	Water	03/20/24 14:15	03/21/24 09:50
500-247954-3	MW-3	Water	03/20/24 13:15	03/21/24 09:50
500-247954-4	MW-4	Water	03/20/24 11:45	03/21/24 09:50
500-247954-5	MW-5	Water	03/20/24 12:45	03/21/24 09:50
500-247954-6	Trip Blank	Water	03/20/24 00:00	03/21/24 09:50
500-247954-7	MW-2	Water	03/27/24 08:25	03/29/24 10:05
500-247954-8	MW-6	Water	03/27/24 08:45	03/29/24 10:05
500-247954-9	MW-7	Water	03/27/24 09:10	03/29/24 10:05

Client: Giles Engineering Associates
Project/Site: Smoke-Out Verona - 1E-1105024

Job ID: 500-247954-1

Client Sample ID: PZ-1

Date Collected: 03/20/24 14:25
Date Received: 03/21/24 09:50

Lab Sample ID: 500-247954-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			03/25/24 16:04	1
Bromobenzene	<0.36		1.0	0.36	ug/L			03/25/24 16:04	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			03/25/24 16:04	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			03/25/24 16:04	1
Bromoform	<0.48		1.0	0.48	ug/L			03/25/24 16:04	1
Bromomethane	<0.80		3.0	0.80	ug/L			03/25/24 16:04	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			03/25/24 16:04	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			03/25/24 16:04	1
Chloroethane	<0.51		5.0	0.51	ug/L			03/25/24 16:04	1
Chloroform	<0.37		2.0	0.37	ug/L			03/25/24 16:04	1
Chloromethane	<0.32		5.0	0.32	ug/L			03/25/24 16:04	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			03/25/24 16:04	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			03/25/24 16:04	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			03/25/24 16:04	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			03/25/24 16:04	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			03/25/24 16:04	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			03/25/24 16:04	1
Dibromomethane	<0.27		1.0	0.27	ug/L			03/25/24 16:04	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			03/25/24 16:04	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			03/25/24 16:04	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			03/25/24 16:04	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			03/25/24 16:04	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			03/25/24 16:04	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			03/25/24 16:04	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			03/25/24 16:04	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			03/25/24 16:04	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			03/25/24 16:04	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			03/25/24 16:04	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			03/25/24 16:04	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/25/24 16:04	1
Ethylene Dibromide	<0.39		1.0	0.39	ug/L			03/25/24 16:04	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			03/25/24 16:04	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			03/25/24 16:04	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			03/25/24 16:04	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			03/25/24 16:04	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			03/25/24 16:04	1
Naphthalene	**3.3**		1.0	0.34	ug/L			03/25/24 16:04	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			03/25/24 16:04	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			03/25/24 16:04	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			03/25/24 16:04	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			03/25/24 16:04	1
Styrene	<0.39		1.0	0.39	ug/L			03/25/24 16:04	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			03/25/24 16:04	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			03/25/24 16:04	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			03/25/24 16:04	1
Tetrachloroethene	**1.7**		1.0	0.37	ug/L			03/25/24 16:04	1
Toluene	<0.15		0.50	0.15	ug/L			03/25/24 16:04	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			03/25/24 16:04	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			03/25/24 16:04	1

Client: Giles Engineering Associates
Project/Site: Smoke-Out Verona - 1E-1105024

Job ID: 500-247954-1

Client Sample ID: PZ-1
Date Collected: 03/20/24 14:25
Date Received: 03/21/24 09:50

Lab Sample ID: 500-247954-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			03/25/24 16:04	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			03/25/24 16:04	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/25/24 16:04	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/25/24 16:04	1
Trichloroethene	<0.16		0.50	0.16	ug/L			03/25/24 16:04	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			03/25/24 16:04	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			03/25/24 16:04	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			03/25/24 16:04	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			03/25/24 16:04	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/25/24 16:04	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/25/24 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*03/25/24 16:04*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*03/25/24 16:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*03/25/24 16:04*	*1*
Toluene-d8 (Surr)	*101*		*75 - 120*		*03/25/24 16:04*	*1*

Client: Giles Engineering Associates
Project/Site: Smoke-Out Verona - 1E-1105024

Job ID: 500-247954-1

Client Sample ID: MW-1

Date Collected: 03/20/24 14:15
Date Received: 03/21/24 09:50

Lab Sample ID: 500-247954-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			03/25/24 16:27	1
Bromobenzene	<0.36		1.0	0.36	ug/L			03/25/24 16:27	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			03/25/24 16:27	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			03/25/24 16:27	1
Bromoform	<0.48		1.0	0.48	ug/L			03/25/24 16:27	1
Bromomethane	<0.80		3.0	0.80	ug/L			03/25/24 16:27	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			03/25/24 16:27	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			03/25/24 16:27	1
Chloroethane	<0.51		5.0	0.51	ug/L			03/25/24 16:27	1
Chloroform	<0.37		2.0	0.37	ug/L			03/25/24 16:27	1
Chloromethane	<0.32		5.0	0.32	ug/L			03/25/24 16:27	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			03/25/24 16:27	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			03/25/24 16:27	1
cis-1,2-Dichloroethene	**59**		1.0	0.41	ug/L			03/25/24 16:27	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			03/25/24 16:27	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			03/25/24 16:27	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			03/25/24 16:27	1
Dibromomethane	<0.27		1.0	0.27	ug/L			03/25/24 16:27	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			03/25/24 16:27	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			03/25/24 16:27	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			03/25/24 16:27	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			03/25/24 16:27	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			03/25/24 16:27	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			03/25/24 16:27	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			03/25/24 16:27	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			03/25/24 16:27	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			03/25/24 16:27	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			03/25/24 16:27	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			03/25/24 16:27	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/25/24 16:27	1
Ethylene Dibromide	<0.39		1.0	0.39	ug/L			03/25/24 16:27	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			03/25/24 16:27	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			03/25/24 16:27	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			03/25/24 16:27	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			03/25/24 16:27	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			03/25/24 16:27	1
Naphthalene	**1.7**		1.0	0.34	ug/L			03/25/24 16:27	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			03/25/24 16:27	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			03/25/24 16:27	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			03/25/24 16:27	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			03/25/24 16:27	1
Styrene	<0.39		1.0	0.39	ug/L			03/25/24 16:27	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			03/25/24 16:27	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			03/25/24 16:27	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			03/25/24 16:27	1
Toluene	<0.15		0.50	0.15	ug/L			03/25/24 16:27	1
trans-1,2-Dichloroethene	**0.98**	**J**	1.0	0.35	ug/L			03/25/24 16:27	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			03/25/24 16:27	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			03/25/24 16:27	1

Client: Giles Engineering Associates
Project/Site: Smoke-Out Verona - 1E-1105024

Job ID: 500-247954-1

Client Sample ID: MW-1

Date Collected: 03/20/24 14:15
Date Received: 03/21/24 09:50

Lab Sample ID: 500-247954-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			03/25/24 16:27	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/25/24 16:27	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/25/24 16:27	1
Trichloroethene	**39**		0.50	0.16	ug/L			03/25/24 16:27	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			03/25/24 16:27	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			03/25/24 16:27	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			03/25/24 16:27	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			03/25/24 16:27	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/25/24 16:27	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/25/24 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*		*03/25/24 16:27*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*03/25/24 16:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*03/25/24 16:27*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*03/25/24 16:27*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**5600**		100	37	ug/L			03/29/24 19:29	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*03/29/24 19:29*	*100*
Dibromofluoromethane (Surr)	*112*		*75 - 120*		*03/29/24 19:29*	*100*
1,2-Dichloroethane-d4 (Surr)	*125*		*75 - 126*		*03/29/24 19:29*	*100*
Toluene-d8 (Surr)	*99*		*75 - 120*		*03/29/24 19:29*	*100*

Client: Giles Engineering Associates
Project/Site: Smoke-Out Verona - 1E-1105024

Job ID: 500-247954-1

Client Sample ID: MW-3

Date Collected: 03/20/24 13:15
Date Received: 03/21/24 09:50

Lab Sample ID: 500-247954-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			03/25/24 17:14	1
Bromobenzene	<0.36		1.0	0.36	ug/L			03/25/24 17:14	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			03/25/24 17:14	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			03/25/24 17:14	1
Bromoform	<0.48		1.0	0.48	ug/L			03/25/24 17:14	1
Bromomethane	<0.80		3.0	0.80	ug/L			03/25/24 17:14	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			03/25/24 17:14	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			03/25/24 17:14	1
Chloroethane	<0.51		5.0	0.51	ug/L			03/25/24 17:14	1
Chloroform	<0.37		2.0	0.37	ug/L			03/25/24 17:14	1
Chloromethane	<0.32		5.0	0.32	ug/L			03/25/24 17:14	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			03/25/24 17:14	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			03/25/24 17:14	1
cis-1,2-Dichloroethene	**190**		1.0	0.41	ug/L			03/25/24 17:14	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			03/25/24 17:14	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			03/25/24 17:14	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			03/25/24 17:14	1
Dibromomethane	<0.27		1.0	0.27	ug/L			03/25/24 17:14	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			03/25/24 17:14	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			03/25/24 17:14	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			03/25/24 17:14	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			03/25/24 17:14	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			03/25/24 17:14	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			03/25/24 17:14	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			03/25/24 17:14	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			03/25/24 17:14	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			03/25/24 17:14	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			03/25/24 17:14	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			03/25/24 17:14	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/25/24 17:14	1
Ethylene Dibromide	<0.39		1.0	0.39	ug/L			03/25/24 17:14	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			03/25/24 17:14	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			03/25/24 17:14	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			03/25/24 17:14	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			03/25/24 17:14	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			03/25/24 17:14	1
Naphthalene	**0.70**	**J**	1.0	0.34	ug/L			03/25/24 17:14	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			03/25/24 17:14	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			03/25/24 17:14	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			03/25/24 17:14	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			03/25/24 17:14	1
Styrene	<0.39		1.0	0.39	ug/L			03/25/24 17:14	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			03/25/24 17:14	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			03/25/24 17:14	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			03/25/24 17:14	1
Toluene	<0.15		0.50	0.15	ug/L			03/25/24 17:14	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			03/25/24 17:14	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			03/25/24 17:14	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			03/25/24 17:14	1

Client: Giles Engineering Associates
Project/Site: Smoke-Out Verona - 1E-1105024

Job ID: 500-247954-1

Client Sample ID: MW-3

Date Collected: 03/20/24 13:15
Date Received: 03/21/24 09:50

Lab Sample ID: 500-247954-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			03/25/24 17:14	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/25/24 17:14	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/25/24 17:14	1
Trichloroethene	**13**		0.50	0.16	ug/L			03/25/24 17:14	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			03/25/24 17:14	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			03/25/24 17:14	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			03/25/24 17:14	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			03/25/24 17:14	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/25/24 17:14	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/25/24 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*		*03/25/24 17:14*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 120*		*03/25/24 17:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*03/25/24 17:14*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*03/25/24 17:14*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**170**		10	3.7	ug/L			03/29/24 19:04	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*03/29/24 19:04*	*10*
Dibromofluoromethane (Surr)	*113*		*75 - 120*		*03/29/24 19:04*	*10*
1,2-Dichloroethane-d4 (Surr)	*126*		*75 - 126*		*03/29/24 19:04*	*10*
Toluene-d8 (Surr)	*98*		*75 - 120*		*03/29/24 19:04*	*10*

Client: Giles Engineering Associates
Project/Site: Smoke-Out Verona - 1E-1105024

Job ID: 500-247954-1

Client Sample ID: MW-4
Date Collected: 03/20/24 11:45
Date Received: 03/21/24 09:50

Lab Sample ID: 500-247954-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			03/25/24 17:37	1
Bromobenzene	<0.36		1.0	0.36	ug/L			03/25/24 17:37	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			03/25/24 17:37	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			03/25/24 17:37	1
Bromoform	<0.48		1.0	0.48	ug/L			03/25/24 17:37	1
Bromomethane	<0.80		3.0	0.80	ug/L			03/25/24 17:37	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			03/25/24 17:37	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			03/25/24 17:37	1
Chloroethane	<0.51		5.0	0.51	ug/L			03/25/24 17:37	1
Chloroform	<0.37		2.0	0.37	ug/L			03/25/24 17:37	1
Chloromethane	<0.32		5.0	0.32	ug/L			03/25/24 17:37	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			03/25/24 17:37	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			03/25/24 17:37	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			03/25/24 17:37	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			03/25/24 17:37	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			03/25/24 17:37	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			03/25/24 17:37	1
Dibromomethane	<0.27		1.0	0.27	ug/L			03/25/24 17:37	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			03/25/24 17:37	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			03/25/24 17:37	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			03/25/24 17:37	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			03/25/24 17:37	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			03/25/24 17:37	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			03/25/24 17:37	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			03/25/24 17:37	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			03/25/24 17:37	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			03/25/24 17:37	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			03/25/24 17:37	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			03/25/24 17:37	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/25/24 17:37	1
Ethylene Dibromide	<0.39		1.0	0.39	ug/L			03/25/24 17:37	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			03/25/24 17:37	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			03/25/24 17:37	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			03/25/24 17:37	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			03/25/24 17:37	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			03/25/24 17:37	1
Naphthalene	**0.58**	**J**	1.0	0.34	ug/L			03/25/24 17:37	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			03/25/24 17:37	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			03/25/24 17:37	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			03/25/24 17:37	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			03/25/24 17:37	1
Styrene	<0.39		1.0	0.39	ug/L			03/25/24 17:37	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			03/25/24 17:37	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			03/25/24 17:37	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			03/25/24 17:37	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			03/25/24 17:37	1
Toluene	<0.15		0.50	0.15	ug/L			03/25/24 17:37	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			03/25/24 17:37	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			03/25/24 17:37	1

Client: Giles Engineering Associates
Project/Site: Smoke-Out Verona - 1E-1105024

Job ID: 500-247954-1

Client Sample ID: MW-4
Date Collected: 03/20/24 11:45
Date Received: 03/21/24 09:50

Lab Sample ID: 500-247954-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			03/25/24 17:37	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			03/25/24 17:37	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/25/24 17:37	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/25/24 17:37	1
Trichloroethene	<0.16		0.50	0.16	ug/L			03/25/24 17:37	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			03/25/24 17:37	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			03/25/24 17:37	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			03/25/24 17:37	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			03/25/24 17:37	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/25/24 17:37	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/25/24 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*03/25/24 17:37*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 120*		*03/25/24 17:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*03/25/24 17:37*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*03/25/24 17:37*	*1*

Client: Giles Engineering Associates
Project/Site: Smoke-Out Verona - 1E-1105024

Job ID: 500-247954-1

Client Sample ID: MW-5

Date Collected: 03/20/24 12:45
Date Received: 03/21/24 09:50

Lab Sample ID: 500-247954-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			03/25/24 18:00	1
Bromobenzene	<0.36		1.0	0.36	ug/L			03/25/24 18:00	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			03/25/24 18:00	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			03/25/24 18:00	1
Bromoform	<0.48		1.0	0.48	ug/L			03/25/24 18:00	1
Bromomethane	<0.80		3.0	0.80	ug/L			03/25/24 18:00	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			03/25/24 18:00	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			03/25/24 18:00	1
Chloroethane	<0.51		5.0	0.51	ug/L			03/25/24 18:00	1
Chloroform	<0.37		2.0	0.37	ug/L			03/25/24 18:00	1
Chloromethane	<0.32		5.0	0.32	ug/L			03/25/24 18:00	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			03/25/24 18:00	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			03/25/24 18:00	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			03/25/24 18:00	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			03/25/24 18:00	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			03/25/24 18:00	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			03/25/24 18:00	1
Dibromomethane	<0.27		1.0	0.27	ug/L			03/25/24 18:00	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			03/25/24 18:00	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			03/25/24 18:00	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			03/25/24 18:00	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			03/25/24 18:00	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			03/25/24 18:00	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			03/25/24 18:00	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			03/25/24 18:00	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			03/25/24 18:00	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			03/25/24 18:00	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			03/25/24 18:00	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			03/25/24 18:00	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/25/24 18:00	1
Ethylene Dibromide	<0.39		1.0	0.39	ug/L			03/25/24 18:00	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			03/25/24 18:00	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			03/25/24 18:00	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			03/25/24 18:00	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			03/25/24 18:00	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			03/25/24 18:00	1
Naphthalene	**0.79**	**J**	1.0	0.34	ug/L			03/25/24 18:00	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			03/25/24 18:00	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			03/25/24 18:00	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			03/25/24 18:00	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			03/25/24 18:00	1
Styrene	<0.39		1.0	0.39	ug/L			03/25/24 18:00	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			03/25/24 18:00	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			03/25/24 18:00	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			03/25/24 18:00	1
Tetrachloroethene	**1.1**		1.0	0.37	ug/L			03/25/24 18:00	1
Toluene	<0.15		0.50	0.15	ug/L			03/25/24 18:00	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			03/25/24 18:00	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			03/25/24 18:00	1

Client: Giles Engineering Associates
Project/Site: Smoke-Out Verona - 1E-1105024

Job ID: 500-247954-1

Client Sample ID: MW-5
Date Collected: 03/20/24 12:45
Date Received: 03/21/24 09:50

Lab Sample ID: 500-247954-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			03/25/24 18:00	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			03/25/24 18:00	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/25/24 18:00	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/25/24 18:00	1
Trichloroethene	<0.16		0.50	0.16	ug/L			03/25/24 18:00	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			03/25/24 18:00	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			03/25/24 18:00	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			03/25/24 18:00	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			03/25/24 18:00	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/25/24 18:00	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/25/24 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*03/25/24 18:00*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*03/25/24 18:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*03/25/24 18:00*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*03/25/24 18:00*	*1*

Client: Giles Engineering Associates
Project/Site: Smoke-Out Verona - 1E-1105024

Job ID: 500-247954-1

Client Sample ID: Trip Blank
Date Collected: 03/20/24 00:00
Date Received: 03/21/24 09:50

Lab Sample ID: 500-247954-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			03/25/24 13:46	1
Bromobenzene	<0.36		1.0	0.36	ug/L			03/25/24 13:46	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			03/25/24 13:46	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			03/25/24 13:46	1
Bromoform	<0.48		1.0	0.48	ug/L			03/25/24 13:46	1
Bromomethane	<0.80		3.0	0.80	ug/L			03/25/24 13:46	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			03/25/24 13:46	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			03/25/24 13:46	1
Chloroethane	<0.51		5.0	0.51	ug/L			03/25/24 13:46	1
Chloroform	<0.37		2.0	0.37	ug/L			03/25/24 13:46	1
Chloromethane	<0.32		5.0	0.32	ug/L			03/25/24 13:46	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			03/25/24 13:46	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			03/25/24 13:46	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			03/25/24 13:46	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			03/25/24 13:46	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			03/25/24 13:46	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			03/25/24 13:46	1
Dibromomethane	<0.27		1.0	0.27	ug/L			03/25/24 13:46	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			03/25/24 13:46	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			03/25/24 13:46	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			03/25/24 13:46	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			03/25/24 13:46	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			03/25/24 13:46	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			03/25/24 13:46	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			03/25/24 13:46	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			03/25/24 13:46	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			03/25/24 13:46	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			03/25/24 13:46	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			03/25/24 13:46	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/25/24 13:46	1
Ethylene Dibromide	<0.39		1.0	0.39	ug/L			03/25/24 13:46	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			03/25/24 13:46	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			03/25/24 13:46	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			03/25/24 13:46	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			03/25/24 13:46	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			03/25/24 13:46	1
Naphthalene	<0.34		1.0	0.34	ug/L			03/25/24 13:46	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			03/25/24 13:46	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			03/25/24 13:46	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			03/25/24 13:46	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			03/25/24 13:46	1
Styrene	<0.39		1.0	0.39	ug/L			03/25/24 13:46	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			03/25/24 13:46	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			03/25/24 13:46	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			03/25/24 13:46	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			03/25/24 13:46	1
Toluene	<0.15		0.50	0.15	ug/L			03/25/24 13:46	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			03/25/24 13:46	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			03/25/24 13:46	1

Client: Giles Engineering Associates
Job ID: 500-247954-1
Project/Site: Smoke-Out Verona - 1E-1105024

Client Sample ID: Trip Blank
Lab Sample ID: 500-247954-6
Date Collected: 03/20/24 00:00
Matrix: Water
Date Received: 03/21/24 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			03/25/24 13:46	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			03/25/24 13:46	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/25/24 13:46	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/25/24 13:46	1
Trichloroethene	<0.16		0.50	0.16	ug/L			03/25/24 13:46	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			03/25/24 13:46	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			03/25/24 13:46	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			03/25/24 13:46	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			03/25/24 13:46	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/25/24 13:46	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/25/24 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*		*03/25/24 13:46*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 120*		*03/25/24 13:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*03/25/24 13:46*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*03/25/24 13:46*	*1*

Client: Giles Engineering Associates
Project/Site: Smoke-Out Verona - 1E-1105024

Job ID: 500-247954-1

Client Sample ID: MW-2

Date Collected: 03/27/24 08:25
Date Received: 03/29/24 10:05

Lab Sample ID: 500-247954-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			03/31/24 15:23	1
Bromobenzene	<0.36		1.0	0.36	ug/L			03/31/24 15:23	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			03/31/24 15:23	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			03/31/24 15:23	1
Bromoform	<0.48		1.0	0.48	ug/L			03/31/24 15:23	1
Bromomethane	<0.80		3.0	0.80	ug/L			03/31/24 15:23	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			03/31/24 15:23	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			03/31/24 15:23	1
Chloroethane	<0.51		5.0	0.51	ug/L			03/31/24 15:23	1
Chloroform	<0.37		2.0	0.37	ug/L			03/31/24 15:23	1
Chloromethane	<0.32		5.0	0.32	ug/L			03/31/24 15:23	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			03/31/24 15:23	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			03/31/24 15:23	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			03/31/24 15:23	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			03/31/24 15:23	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			03/31/24 15:23	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			03/31/24 15:23	1
Dibromomethane	<0.27		1.0	0.27	ug/L			03/31/24 15:23	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			03/31/24 15:23	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			03/31/24 15:23	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			03/31/24 15:23	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			03/31/24 15:23	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			03/31/24 15:23	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			03/31/24 15:23	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			03/31/24 15:23	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			03/31/24 15:23	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			03/31/24 15:23	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			03/31/24 15:23	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			03/31/24 15:23	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/31/24 15:23	1
Ethylene Dibromide	<0.39		1.0	0.39	ug/L			03/31/24 15:23	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			03/31/24 15:23	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			03/31/24 15:23	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			03/31/24 15:23	1
Methylene Chloride	**3.1**	**J B**	5.0	1.6	ug/L			03/31/24 15:23	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			03/31/24 15:23	1
Naphthalene	**5.6**		1.0	0.34	ug/L			03/31/24 15:23	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			03/31/24 15:23	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			03/31/24 15:23	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			03/31/24 15:23	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			03/31/24 15:23	1
Styrene	<0.39		1.0	0.39	ug/L			03/31/24 15:23	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			03/31/24 15:23	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			03/31/24 15:23	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			03/31/24 15:23	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			03/31/24 15:23	1
Toluene	<0.15		0.50	0.15	ug/L			03/31/24 15:23	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			03/31/24 15:23	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			03/31/24 15:23	1

Client: Giles Engineering Associates
Job ID: 500-247954-1
Project/Site: Smoke-Out Verona - 1E-1105024

Client Sample ID: MW-2
Lab Sample ID: 500-247954-7
Date Collected: 03/27/24 08:25
Matrix: Water
Date Received: 03/29/24 10:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			03/31/24 15:23	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			03/31/24 15:23	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/31/24 15:23	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/31/24 15:23	1
Trichloroethene	<0.16		0.50	0.16	ug/L			03/31/24 15:23	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			03/31/24 15:23	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			03/31/24 15:23	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			03/31/24 15:23	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			03/31/24 15:23	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/31/24 15:23	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/31/24 15:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*		*03/31/24 15:23*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*03/31/24 15:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*03/31/24 15:23*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*03/31/24 15:23*	*1*

Client: Giles Engineering Associates
Project/Site: Smoke-Out Verona - 1E-1105024

Job ID: 500-247954-1

Client Sample ID: MW-6
Date Collected: 03/27/24 08:45
Date Received: 03/29/24 10:05

Lab Sample ID: 500-247954-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			03/31/24 15:46	1
Bromobenzene	<0.36		1.0	0.36	ug/L			03/31/24 15:46	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			03/31/24 15:46	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			03/31/24 15:46	1
Bromoform	<0.48		1.0	0.48	ug/L			03/31/24 15:46	1
Bromomethane	<0.80		3.0	0.80	ug/L			03/31/24 15:46	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			03/31/24 15:46	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			03/31/24 15:46	1
Chloroethane	<0.51		5.0	0.51	ug/L			03/31/24 15:46	1
Chloroform	<0.37		2.0	0.37	ug/L			03/31/24 15:46	1
Chloromethane	<0.32		5.0	0.32	ug/L			03/31/24 15:46	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			03/31/24 15:46	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			03/31/24 15:46	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			03/31/24 15:46	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			03/31/24 15:46	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			03/31/24 15:46	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			03/31/24 15:46	1
Dibromomethane	<0.27		1.0	0.27	ug/L			03/31/24 15:46	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			03/31/24 15:46	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			03/31/24 15:46	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			03/31/24 15:46	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			03/31/24 15:46	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			03/31/24 15:46	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			03/31/24 15:46	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			03/31/24 15:46	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			03/31/24 15:46	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			03/31/24 15:46	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			03/31/24 15:46	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			03/31/24 15:46	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/31/24 15:46	1
Ethylene Dibromide	<0.39		1.0	0.39	ug/L			03/31/24 15:46	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			03/31/24 15:46	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			03/31/24 15:46	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			03/31/24 15:46	1
Methylene Chloride	**3.3**	**J B**	5.0	1.6	ug/L			03/31/24 15:46	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			03/31/24 15:46	1
Naphthalene	**0.63**	**J**	1.0	0.34	ug/L			03/31/24 15:46	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			03/31/24 15:46	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			03/31/24 15:46	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			03/31/24 15:46	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			03/31/24 15:46	1
Styrene	<0.39		1.0	0.39	ug/L			03/31/24 15:46	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			03/31/24 15:46	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			03/31/24 15:46	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			03/31/24 15:46	1
Tetrachloroethene	**7.9**		1.0	0.37	ug/L			03/31/24 15:46	1
Toluene	<0.15		0.50	0.15	ug/L			03/31/24 15:46	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			03/31/24 15:46	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			03/31/24 15:46	1

Client: Giles Engineering Associates
Project/Site: Smoke-Out Verona - 1E-1105024

Job ID: 500-247954-1

Client Sample ID: MW-6
Date Collected: 03/27/24 08:45
Date Received: 03/29/24 10:05

Lab Sample ID: 500-247954-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			03/31/24 15:46	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			03/31/24 15:46	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/31/24 15:46	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/31/24 15:46	1
Trichloroethene	<0.16		0.50	0.16	ug/L			03/31/24 15:46	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			03/31/24 15:46	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			03/31/24 15:46	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			03/31/24 15:46	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			03/31/24 15:46	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/31/24 15:46	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/31/24 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*03/31/24 15:46*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 120*		*03/31/24 15:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*03/31/24 15:46*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*03/31/24 15:46*	*1*

Client: Giles Engineering Associates
Project/Site: Smoke-Out Verona - 1E-1105024

Job ID: 500-247954-1

Client Sample ID: MW-7

Date Collected: 03/27/24 09:10
Date Received: 03/29/24 10:05

Lab Sample ID: 500-247954-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			03/31/24 16:09	1
Bromobenzene	<0.36		1.0	0.36	ug/L			03/31/24 16:09	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			03/31/24 16:09	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			03/31/24 16:09	1
Bromoform	<0.48		1.0	0.48	ug/L			03/31/24 16:09	1
Bromomethane	<0.80		3.0	0.80	ug/L			03/31/24 16:09	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			03/31/24 16:09	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			03/31/24 16:09	1
Chloroethane	<0.51		5.0	0.51	ug/L			03/31/24 16:09	1
Chloroform	<0.37		2.0	0.37	ug/L			03/31/24 16:09	1
Chloromethane	<0.32		5.0	0.32	ug/L			03/31/24 16:09	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			03/31/24 16:09	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			03/31/24 16:09	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			03/31/24 16:09	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			03/31/24 16:09	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			03/31/24 16:09	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			03/31/24 16:09	1
Dibromomethane	<0.27		1.0	0.27	ug/L			03/31/24 16:09	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			03/31/24 16:09	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			03/31/24 16:09	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			03/31/24 16:09	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			03/31/24 16:09	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			03/31/24 16:09	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			03/31/24 16:09	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			03/31/24 16:09	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			03/31/24 16:09	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			03/31/24 16:09	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			03/31/24 16:09	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			03/31/24 16:09	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/31/24 16:09	1
Ethylene Dibromide	<0.39		1.0	0.39	ug/L			03/31/24 16:09	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			03/31/24 16:09	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			03/31/24 16:09	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			03/31/24 16:09	1
Methylene Chloride	**3.1**	**J B**	5.0	1.6	ug/L			03/31/24 16:09	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			03/31/24 16:09	1
Naphthalene	<0.34		1.0	0.34	ug/L			03/31/24 16:09	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			03/31/24 16:09	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			03/31/24 16:09	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			03/31/24 16:09	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			03/31/24 16:09	1
Styrene	<0.39		1.0	0.39	ug/L			03/31/24 16:09	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			03/31/24 16:09	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			03/31/24 16:09	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			03/31/24 16:09	1
Tetrachloroethene	**16**		1.0	0.37	ug/L			03/31/24 16:09	1
Toluene	<0.15		0.50	0.15	ug/L			03/31/24 16:09	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			03/31/24 16:09	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			03/31/24 16:09	1

Client: Giles Engineering Associates
Job ID: 500-247954-1
Project/Site: Smoke-Out Verona - 1E-1105024

Client Sample ID: MW-7
Lab Sample ID: 500-247954-9
Date Collected: 03/27/24 09:10
Matrix: Water
Date Received: 03/29/24 10:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			03/31/24 16:09	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			03/31/24 16:09	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/31/24 16:09	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/31/24 16:09	1
Trichloroethene	<0.16		0.50	0.16	ug/L			03/31/24 16:09	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			03/31/24 16:09	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			03/31/24 16:09	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			03/31/24 16:09	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			03/31/24 16:09	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/31/24 16:09	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/31/24 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*03/31/24 16:09*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 120*		*03/31/24 16:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*03/31/24 16:09*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*03/31/24 16:09*	*1*

Definitions/Glossary

Client: Giles Engineering Associates
Job ID: 500-247954-1
Project/Site: Smoke-Out Verona - 1E-1105024

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

QC Association Summary

Client: Giles Engineering Associates
Job ID: 500-247954-1
Project/Site: Smoke-Out Verona - 1E-1105024

GC/MS VOA

Analysis Batch: 759742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-247954-1	PZ-1	Total/NA	Water	8260D	
500-247954-2	MW-1	Total/NA	Water	8260D	
500-247954-3	MW-3	Total/NA	Water	8260D	
500-247954-4	MW-4	Total/NA	Water	8260D	
500-247954-5	MW-5	Total/NA	Water	8260D	
500-247954-6	Trip Blank	Total/NA	Water	8260D	
MB 500-759742/7	Method Blank	Total/NA	Water	8260D	
LCS 500-759742/4	Lab Control Sample	Total/NA	Water	8260D	
500-247954-5 MS	MW-5	Total/NA	Water	8260D	
500-247954-5 MSD	MW-5	Total/NA	Water	8260D	

Analysis Batch: 760533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-247954-2 - DL	MW-1	Total/NA	Water	8260D	
500-247954-3 - DL	MW-3	Total/NA	Water	8260D	
MB 500-760533/6	Method Blank	Total/NA	Water	8260D	
LCS 500-760533/4	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 760757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-247954-7	MW-2	Total/NA	Water	8260D	
500-247954-8	MW-6	Total/NA	Water	8260D	
500-247954-9	MW-7	Total/NA	Water	8260D	
MB 500-760757/7	Method Blank	Total/NA	Water	8260D	
LCS 500-760757/4	Lab Control Sample	Total/NA	Water	8260D	

Surrogate Summary

Client: Giles Engineering Associates
Project/Site: Smoke-Out Verona - 1E-1105024

Job ID: 500-247954-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-247954-1	PZ-1	94	103	95	101
500-247954-2	MW-1	92	103	92	102
500-247954-2 - DL	MW-1	99	112	125	99
500-247954-3	MW-3	95	104	96	100
500-247954-3 - DL	MW-3	98	113	126	98
500-247954-4	MW-4	94	107	98	98
500-247954-5	MW-5	93	103	97	100
500-247954-5 MS	MW-5	94	105	96	101
500-247954-5 MSD	MW-5	90	106	98	99
500-247954-6	Trip Blank	92	102	92	102
500-247954-7	MW-2	95	103	97	102
500-247954-8	MW-6	94	105	97	100
500-247954-9	MW-7	91	107	102	99
LCS 500-759742/4	Lab Control Sample	91	95	83	108
LCS 500-760533/4	Lab Control Sample	92	108	115	103
LCS 500-760757/4	Lab Control Sample	93	99	90	104
MB 500-759742/7	Method Blank	94	103	97	100
MB 500-760533/6	Method Blank	94	108	118	100
MB 500-760757/7	Method Blank	92	102	93	100

Surrogate Legend

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

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

Lab Sample ID: MB 500-759742/7
Matrix: Water
Analysis Batch: 759742

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			03/25/24 13:00	1
Bromobenzene	<0.36		1.0	0.36	ug/L			03/25/24 13:00	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			03/25/24 13:00	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			03/25/24 13:00	1
Bromoform	<0.48		1.0	0.48	ug/L			03/25/24 13:00	1
Bromomethane	<0.80		3.0	0.80	ug/L			03/25/24 13:00	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			03/25/24 13:00	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			03/25/24 13:00	1
Chloroethane	<0.51		5.0	0.51	ug/L			03/25/24 13:00	1
Chloroform	<0.37		2.0	0.37	ug/L			03/25/24 13:00	1
Chloromethane	<0.32		5.0	0.32	ug/L			03/25/24 13:00	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			03/25/24 13:00	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			03/25/24 13:00	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			03/25/24 13:00	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			03/25/24 13:00	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			03/25/24 13:00	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			03/25/24 13:00	1
Dibromomethane	<0.27		1.0	0.27	ug/L			03/25/24 13:00	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			03/25/24 13:00	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			03/25/24 13:00	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			03/25/24 13:00	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			03/25/24 13:00	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			03/25/24 13:00	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			03/25/24 13:00	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			03/25/24 13:00	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			03/25/24 13:00	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			03/25/24 13:00	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			03/25/24 13:00	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			03/25/24 13:00	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/25/24 13:00	1
Ethylene Dibromide	<0.39		1.0	0.39	ug/L			03/25/24 13:00	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			03/25/24 13:00	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			03/25/24 13:00	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			03/25/24 13:00	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			03/25/24 13:00	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			03/25/24 13:00	1
Naphthalene	<0.34		1.0	0.34	ug/L			03/25/24 13:00	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			03/25/24 13:00	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			03/25/24 13:00	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			03/25/24 13:00	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			03/25/24 13:00	1
Styrene	<0.39		1.0	0.39	ug/L			03/25/24 13:00	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			03/25/24 13:00	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			03/25/24 13:00	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			03/25/24 13:00	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			03/25/24 13:00	1
Toluene	<0.15		0.50	0.15	ug/L			03/25/24 13:00	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			03/25/24 13:00	1

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

Lab Sample ID: MB 500-759742/7
Matrix: Water
Analysis Batch: 759742

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			03/25/24 13:00	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			03/25/24 13:00	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			03/25/24 13:00	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/25/24 13:00	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/25/24 13:00	1
Trichloroethene	<0.16		0.50	0.16	ug/L			03/25/24 13:00	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			03/25/24 13:00	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			03/25/24 13:00	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			03/25/24 13:00	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			03/25/24 13:00	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/25/24 13:00	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/25/24 13:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*03/25/24 13:00*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*03/25/24 13:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*03/25/24 13:00*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*03/25/24 13:00*	*1*

Lab Sample ID: LCS 500-759742/4
Matrix: Water
Analysis Batch: 759742

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	52.7		ug/L		105	70 - 120
Bromobenzene	50.0	50.7		ug/L		101	70 - 122
Bromochloromethane	50.0	48.3		ug/L		97	65 - 122
Bromodichloromethane	50.0	46.3		ug/L		93	69 - 120
Bromoform	50.0	55.9		ug/L		112	56 - 132
Bromomethane	50.0	52.5		ug/L		105	40 - 152
Carbon tetrachloride	50.0	55.6		ug/L		111	59 - 133
Chlorobenzene	50.0	53.9		ug/L		108	70 - 120
Chloroethane	50.0	42.8		ug/L		86	48 - 136
Chloroform	50.0	47.7		ug/L		95	70 - 120
Chloromethane	50.0	44.3		ug/L		89	56 - 152
2-Chlorotoluene	50.0	50.9		ug/L		102	70 - 125
4-Chlorotoluene	50.0	49.9		ug/L		100	68 - 124
cis-1,2-Dichloroethene	50.0	50.6		ug/L		101	70 - 125
cis-1,3-Dichloropropene	50.0	46.7		ug/L		93	64 - 127
Dibromochloromethane	50.0	53.5		ug/L		107	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	44.8		ug/L		90	56 - 123
Dibromomethane	50.0	45.6		ug/L		91	70 - 120
1,2-Dichlorobenzene	50.0	52.3		ug/L		105	70 - 125
1,3-Dichlorobenzene	50.0	51.9		ug/L		104	70 - 125
1,4-Dichlorobenzene	50.0	51.2		ug/L		102	70 - 120
Dichlorodifluoromethane	50.0	51.0		ug/L		102	40 - 159
1,1-Dichloroethane	50.0	48.6		ug/L		97	70 - 125
1,2-Dichloroethane	50.0	43.1		ug/L		86	68 - 127

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

Lab Sample ID: LCS 500-759742/4
Matrix: Water
Analysis Batch: 759742

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	50.0	55.2		ug/L		110	67 - 122
1,2-Dichloropropane	50.0	46.4		ug/L		93	67 - 130
1,3-Dichloropropane	50.0	49.2		ug/L		98	62 - 136
2,2-Dichloropropane	50.0	45.1		ug/L		90	58 - 139
1,1-Dichloropropene	50.0	53.0		ug/L		106	70 - 121
Ethylbenzene	50.0	55.2		ug/L		110	70 - 123
Ethylene Dibromide	50.0	51.2		ug/L		102	70 - 125
Hexachlorobutadiene	50.0	57.6		ug/L		115	51 - 150
Isopropylbenzene	50.0	55.4		ug/L		111	70 - 126
Methylene Chloride	50.0	46.7		ug/L		93	69 - 125
Methyl tert-butyl ether	50.0	44.1		ug/L		88	55 - 123
Naphthalene	50.0	49.5		ug/L		99	53 - 144
n-Butylbenzene	50.0	52.9		ug/L		106	68 - 125
N-Propylbenzene	50.0	53.4		ug/L		107	69 - 127
p-Isopropyltoluene	50.0	56.4		ug/L		113	70 - 125
sec-Butylbenzene	50.0	56.1		ug/L		112	70 - 123
Styrene	50.0	53.8		ug/L		108	70 - 120
tert-Butylbenzene	50.0	55.1		ug/L		110	70 - 121
1,1,1,2-Tetrachloroethane	50.0	53.2		ug/L		106	70 - 125
1,1,2,2-Tetrachloroethane	50.0	51.2		ug/L		102	62 - 140
Tetrachloroethene	50.0	59.8		ug/L		120	70 - 128
Toluene	50.0	51.1		ug/L		102	70 - 125
trans-1,2-Dichloroethene	50.0	53.7		ug/L		107	70 - 125
trans-1,3-Dichloropropene	50.0	47.1		ug/L		94	62 - 128
1,2,3-Trichlorobenzene	50.0	53.1		ug/L		106	51 - 145
1,2,4-Trichlorobenzene	50.0	52.6		ug/L		105	57 - 137
1,1,1-Trichloroethane	50.0	53.8		ug/L		108	70 - 125
1,1,2-Trichloroethane	50.0	53.9		ug/L		108	71 - 130
Trichloroethene	50.0	54.1		ug/L		108	70 - 125
Trichlorofluoromethane	50.0	49.1		ug/L		98	55 - 128
1,2,3-Trichloropropane	50.0	51.1		ug/L		102	50 - 133
1,2,4-Trimethylbenzene	50.0	52.3		ug/L		105	70 - 123
1,3,5-Trimethylbenzene	50.0	52.1		ug/L		104	70 - 123
Vinyl chloride	50.0	49.5		ug/L		99	64 - 126
Xylenes, Total	100	105		ug/L		105	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*
Dibromofluoromethane (Surr)	*95*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*83*		*75 - 126*
Toluene-d8 (Surr)	*108*		*75 - 120*

Lab Sample ID: 500-247954-5 MS
Matrix: Water
Analysis Batch: 759742

Client Sample ID: MW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.15		50.0	54.3		ug/L		109	70 - 120

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

Lab Sample ID: 500-247954-5 MS
Matrix: Water
Analysis Batch: 759742

Client Sample ID: MW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromobenzene	<0.36		50.0	53.8		ug/L		108	70 - 122
Bromochloromethane	<0.43		50.0	54.6		ug/L		109	65 - 122
Bromodichloromethane	<0.37		50.0	52.0		ug/L		104	69 - 120
Bromoform	<0.48		50.0	58.5		ug/L		117	56 - 132
Bromomethane	<0.80		50.0	60.4		ug/L		121	40 - 152
Carbon tetrachloride	<0.38		50.0	48.0		ug/L		96	59 - 133
Chlorobenzene	<0.39		50.0	52.7		ug/L		105	70 - 120
Chloroethane	<0.51		50.0	43.7		ug/L		87	48 - 136
Chloroform	<0.37		50.0	51.8		ug/L		104	70 - 120
Chloromethane	<0.32		50.0	47.1		ug/L		94	56 - 152
2-Chlorotoluene	<0.31		50.0	49.3		ug/L		99	70 - 125
4-Chlorotoluene	<0.35		50.0	48.9		ug/L		98	68 - 124
cis-1,2-Dichloroethene	<0.41		50.0	53.0		ug/L		106	70 - 125
cis-1,3-Dichloropropene	<0.42		50.0	48.2		ug/L		96	64 - 127
Dibromochloromethane	<0.49		50.0	56.4		ug/L		113	68 - 125
1,2-Dibromo-3-Chloropropane	<2.0		50.0	46.5		ug/L		93	56 - 123
Dibromomethane	<0.27		50.0	51.2		ug/L		102	70 - 120
1,2-Dichlorobenzene	<0.33		50.0	54.9		ug/L		110	70 - 125
1,3-Dichlorobenzene	<0.40		50.0	50.5		ug/L		101	70 - 125
1,4-Dichlorobenzene	<0.36		50.0	51.0		ug/L		102	70 - 120
Dichlorodifluoromethane	<0.67		50.0	43.8		ug/L		88	40 - 159
1,1-Dichloroethane	<0.41		50.0	49.0		ug/L		98	70 - 125
1,2-Dichloroethane	<0.39		50.0	49.8		ug/L		100	68 - 127
1,1-Dichloroethene	<0.39		50.0	48.9		ug/L		98	67 - 122
1,2-Dichloropropane	<0.43		50.0	49.8		ug/L		100	67 - 130
1,3-Dichloropropane	<0.36		50.0	52.5		ug/L		105	62 - 136
2,2-Dichloropropane	<0.44		50.0	40.0		ug/L		80	58 - 139
1,1-Dichloropropene	<0.30		50.0	47.5		ug/L		95	70 - 121
Ethylbenzene	<0.18		50.0	49.5		ug/L		99	70 - 123
Ethylene Dibromide	<0.39		50.0	54.1		ug/L		108	70 - 125
Hexachlorobutadiene	<0.45		50.0	49.8		ug/L		100	51 - 150
Isopropylbenzene	<0.39		50.0	49.2		ug/L		98	70 - 126
Methylene Chloride	<1.6		50.0	52.0		ug/L		104	69 - 125
Methyl tert-butyl ether	<0.39		50.0	48.9		ug/L		98	55 - 123
Naphthalene	0.79	J	50.0	47.9		ug/L		94	53 - 144
n-Butylbenzene	<0.39		50.0	44.1		ug/L		88	68 - 125
N-Propylbenzene	<0.41		50.0	47.2		ug/L		94	69 - 127
p-Isopropyltoluene	<0.36		50.0	48.2		ug/L		96	70 - 125
sec-Butylbenzene	<0.40		50.0	48.1		ug/L		96	70 - 123
Styrene	<0.39		50.0	53.5		ug/L		107	70 - 120
tert-Butylbenzene	<0.40		50.0	49.2		ug/L		98	70 - 121
1,1,1,2-Tetrachloroethane	<0.46		50.0	54.2		ug/L		108	70 - 125
1,1,2,2-Tetrachloroethane	<0.40		50.0	54.9		ug/L		110	62 - 140
Tetrachloroethene	1.1		50.0	50.5		ug/L		99	70 - 128
Toluene	<0.15		50.0	48.0		ug/L		96	70 - 125
trans-1,2-Dichloroethene	<0.35		50.0	52.1		ug/L		104	70 - 125
trans-1,3-Dichloropropene	<0.36		50.0	47.6		ug/L		95	62 - 128
1,2,3-Trichlorobenzene	<0.46		50.0	50.1		ug/L		100	51 - 145
1,2,4-Trichlorobenzene	<0.34		50.0	48.1		ug/L		96	57 - 137

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

Lab Sample ID: 500-247954-5 MS
Matrix: Water
Analysis Batch: 759742

Client Sample ID: MW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	<0.38		50.0	48.0		ug/L		96	70 - 125
1,1,2-Trichloroethane	<0.35		50.0	55.3		ug/L		111	71 - 130
Trichloroethene	<0.16		50.0	50.6		ug/L		101	70 - 125
Trichlorofluoromethane	<0.43		50.0	45.0		ug/L		90	55 - 128
1,2,3-Trichloropropane	<0.41		50.0	51.8		ug/L		104	50 - 133
1,2,4-Trimethylbenzene	<0.36		50.0	49.2		ug/L		98	70 - 123
1,3,5-Trimethylbenzene	<0.25		50.0	48.1		ug/L		96	70 - 123
Vinyl chloride	<0.20		50.0	48.3		ug/L		97	64 - 126
Xylenes, Total	<0.22		100	96.9		ug/L		97	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*
Dibromofluoromethane (Surr)	*105*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*
Toluene-d8 (Surr)	*101*		*75 - 120*

Lab Sample ID: 500-247954-5 MSD
Matrix: Water
Analysis Batch: 759742

Client Sample ID: MW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.15		50.0	54.0		ug/L		108	70 - 120	0	20
Bromobenzene	<0.36		50.0	52.4		ug/L		105	70 - 122	3	20
Bromochloromethane	<0.43		50.0	56.9		ug/L		114	65 - 122	4	20
Bromodichloromethane	<0.37		50.0	53.0		ug/L		106	69 - 120	2	20
Bromoform	<0.48		50.0	59.2		ug/L		118	56 - 132	1	20
Bromomethane	<0.80		50.0	60.7		ug/L		121	40 - 152	1	20
Carbon tetrachloride	<0.38		50.0	48.4		ug/L		97	59 - 133	1	20
Chlorobenzene	<0.39		50.0	53.2		ug/L		106	70 - 120	1	20
Chloroethane	<0.51		50.0	41.3		ug/L		83	48 - 136	6	20
Chloroform	<0.37		50.0	51.5		ug/L		103	70 - 120	0	20
Chloromethane	<0.32		50.0	45.8		ug/L		92	56 - 152	3	20
2-Chlorotoluene	<0.31		50.0	47.6		ug/L		95	70 - 125	3	20
4-Chlorotoluene	<0.35		50.0	46.6		ug/L		93	68 - 124	5	20
cis-1,2-Dichloroethene	<0.41		50.0	54.6		ug/L		109	70 - 125	3	20
cis-1,3-Dichloropropene	<0.42		50.0	47.8		ug/L		96	64 - 127	1	20
Dibromochloromethane	<0.49		50.0	57.5		ug/L		115	68 - 125	2	20
1,2-Dibromo-3-Chloropropane	<2.0		50.0	47.1		ug/L		94	56 - 123	1	20
Dibromomethane	<0.27		50.0	53.0		ug/L		106	70 - 120	3	20
1,2-Dichlorobenzene	<0.33		50.0	54.4		ug/L		109	70 - 125	1	20
1,3-Dichlorobenzene	<0.40		50.0	50.5		ug/L		101	70 - 125	0	20
1,4-Dichlorobenzene	<0.36		50.0	51.0		ug/L		102	70 - 120	0	20
Dichlorodifluoromethane	<0.67		50.0	40.9		ug/L		82	40 - 159	7	20
1,1-Dichloroethane	<0.41		50.0	49.4		ug/L		99	70 - 125	1	20
1,2-Dichloroethane	<0.39		50.0	49.6		ug/L		99	68 - 127	0	20
1,1-Dichloroethene	<0.39		50.0	49.0		ug/L		98	67 - 122	0	20
1,2-Dichloropropane	<0.43		50.0	50.8		ug/L		102	67 - 130	2	20
1,3-Dichloropropane	<0.36		50.0	53.2		ug/L		106	62 - 136	1	20

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

Lab Sample ID: 500-247954-5 MSD
Matrix: Water
Analysis Batch: 759742

Client Sample ID: MW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,2-Dichloropropane	<0.44		50.0	40.0		ug/L		80	58 - 139	0	20
1,1-Dichloropropene	<0.30		50.0	47.5		ug/L		95	70 - 121	0	20
Ethylbenzene	<0.18		50.0	49.1		ug/L		98	70 - 123	1	20
Ethylene Dibromide	<0.39		50.0	55.2		ug/L		110	70 - 125	2	20
Hexachlorobutadiene	<0.45		50.0	47.9		ug/L		96	51 - 150	4	20
Isopropylbenzene	<0.39		50.0	47.3		ug/L		95	70 - 126	4	20
Methylene Chloride	<1.6		50.0	52.3		ug/L		105	69 - 125	1	20
Methyl tert-butyl ether	<0.39		50.0	50.3		ug/L		101	55 - 123	3	20
Naphthalene	0.79	J	50.0	51.4		ug/L		101	53 - 144	7	20
n-Butylbenzene	<0.39		50.0	43.5		ug/L		87	68 - 125	1	20
N-Propylbenzene	<0.41		50.0	44.9		ug/L		90	69 - 127	5	20
p-Isopropyltoluene	<0.36		50.0	47.1		ug/L		94	70 - 125	2	20
sec-Butylbenzene	<0.40		50.0	45.6		ug/L		91	70 - 123	5	20
Styrene	<0.39		50.0	53.5		ug/L		107	70 - 120	0	20
tert-Butylbenzene	<0.40		50.0	46.8		ug/L		94	70 - 121	5	20
1,1,1,2-Tetrachloroethane	<0.46		50.0	54.9		ug/L		110	70 - 125	1	20
1,1,2,2-Tetrachloroethane	<0.40		50.0	52.9		ug/L		106	62 - 140	4	20
Tetrachloroethene	1.1		50.0	51.1		ug/L		100	70 - 128	1	20
Toluene	<0.15		50.0	48.0		ug/L		96	70 - 125	0	20
trans-1,2-Dichloroethene	<0.35		50.0	52.3		ug/L		105	70 - 125	0	20
trans-1,3-Dichloropropene	<0.36		50.0	48.9		ug/L		98	62 - 128	3	20
1,2,3-Trichlorobenzene	<0.46		50.0	53.7		ug/L		107	51 - 145	7	20
1,2,4-Trichlorobenzene	<0.34		50.0	51.3		ug/L		103	57 - 137	6	20
1,1,1-Trichloroethane	<0.38		50.0	49.0		ug/L		98	70 - 125	2	20
1,1,2-Trichloroethane	<0.35		50.0	55.9		ug/L		112	71 - 130	1	20
Trichloroethene	<0.16		50.0	52.5		ug/L		105	70 - 125	4	20
Trichlorofluoromethane	<0.43		50.0	43.5		ug/L		87	55 - 128	3	20
1,2,3-Trichloropropane	<0.41		50.0	50.9		ug/L		102	50 - 133	2	20
1,2,4-Trimethylbenzene	<0.36		50.0	47.7		ug/L		95	70 - 123	3	20
1,3,5-Trimethylbenzene	<0.25		50.0	47.0		ug/L		94	70 - 123	2	20
Vinyl chloride	<0.20		50.0	45.4		ug/L		91	64 - 126	6	20
Xylenes, Total	<0.22		100	98.1		ug/L		98	70 - 125	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*
Dibromofluoromethane (Surr)	*106*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*
Toluene-d8 (Surr)	*99*		*75 - 120*

Lab Sample ID: MB 500-760533/6
Matrix: Water
Analysis Batch: 760533

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.37		1.0	0.37	ug/L			03/29/24 10:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*03/29/24 10:26*	*1*

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

Lab Sample ID: MB 500-760533/6
Matrix: Water
Analysis Batch: 760533

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*108*		*75 - 120*		*03/29/24 10:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*118*		*75 - 126*		*03/29/24 10:26*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*03/29/24 10:26*	*1*

Lab Sample ID: LCS 500-760533/4
Matrix: Water
Analysis Batch: 760533

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Tetrachloroethene			50.0	53.9		ug/L		108	70 - 128		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*
Dibromofluoromethane (Surr)	*108*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*115*		*75 - 126*
Toluene-d8 (Surr)	*103*		*75 - 120*

Lab Sample ID: MB 500-760757/7
Matrix: Water
Analysis Batch: 760757

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			03/31/24 11:32	1
Bromobenzene	<0.36		1.0	0.36	ug/L			03/31/24 11:32	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			03/31/24 11:32	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			03/31/24 11:32	1
Bromoform	<0.48		1.0	0.48	ug/L			03/31/24 11:32	1
Bromomethane	<0.80		3.0	0.80	ug/L			03/31/24 11:32	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			03/31/24 11:32	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			03/31/24 11:32	1
Chloroethane	<0.51		5.0	0.51	ug/L			03/31/24 11:32	1
Chloroform	<0.37		2.0	0.37	ug/L			03/31/24 11:32	1
Chloromethane	<0.32		5.0	0.32	ug/L			03/31/24 11:32	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			03/31/24 11:32	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			03/31/24 11:32	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			03/31/24 11:32	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			03/31/24 11:32	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			03/31/24 11:32	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			03/31/24 11:32	1
Dibromomethane	<0.27		1.0	0.27	ug/L			03/31/24 11:32	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			03/31/24 11:32	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			03/31/24 11:32	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			03/31/24 11:32	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			03/31/24 11:32	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			03/31/24 11:32	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			03/31/24 11:32	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			03/31/24 11:32	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			03/31/24 11:32	1

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

Lab Sample ID: MB 500-760757/7
Matrix: Water
Analysis Batch: 760757

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			03/31/24 11:32	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			03/31/24 11:32	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			03/31/24 11:32	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			03/31/24 11:32	1
Ethylene Dibromide	<0.39		1.0	0.39	ug/L			03/31/24 11:32	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			03/31/24 11:32	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			03/31/24 11:32	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			03/31/24 11:32	1
Methylene Chloride	2.84	J	5.0	1.6	ug/L			03/31/24 11:32	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			03/31/24 11:32	1
Naphthalene	<0.34		1.0	0.34	ug/L			03/31/24 11:32	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			03/31/24 11:32	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			03/31/24 11:32	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			03/31/24 11:32	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			03/31/24 11:32	1
Styrene	<0.39		1.0	0.39	ug/L			03/31/24 11:32	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			03/31/24 11:32	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			03/31/24 11:32	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			03/31/24 11:32	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			03/31/24 11:32	1
Toluene	<0.15		0.50	0.15	ug/L			03/31/24 11:32	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			03/31/24 11:32	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			03/31/24 11:32	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			03/31/24 11:32	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			03/31/24 11:32	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			03/31/24 11:32	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			03/31/24 11:32	1
Trichloroethene	<0.16		0.50	0.16	ug/L			03/31/24 11:32	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			03/31/24 11:32	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			03/31/24 11:32	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			03/31/24 11:32	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			03/31/24 11:32	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			03/31/24 11:32	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			03/31/24 11:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*		*03/31/24 11:32*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 120*		*03/31/24 11:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*03/31/24 11:32*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*03/31/24 11:32*	*1*

Lab Sample ID: LCS 500-760757/4
Matrix: Water
Analysis Batch: 760757

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	53.2		ug/L		106	70 - 120
Bromobenzene	50.0	52.3		ug/L		105	70 - 122

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

Lab Sample ID: LCS 500-760757/4
Matrix: Water
Analysis Batch: 760757

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromochloromethane	50.0	52.6		ug/L		105	65 - 122
Bromodichloromethane	50.0	50.3		ug/L		101	69 - 120
Bromoform	50.0	57.3		ug/L		115	56 - 132
Bromomethane	50.0	56.0		ug/L		112	40 - 152
Carbon tetrachloride	50.0	53.9		ug/L		108	59 - 133
Chlorobenzene	50.0	54.3		ug/L		109	70 - 120
Chloroethane	50.0	45.8		ug/L		92	48 - 136
Chloroform	50.0	50.5		ug/L		101	70 - 120
Chloromethane	50.0	47.8		ug/L		96	56 - 152
2-Chlorotoluene	50.0	49.4		ug/L		99	70 - 125
4-Chlorotoluene	50.0	49.3		ug/L		99	68 - 124
cis-1,2-Dichloroethene	50.0	52.3		ug/L		105	70 - 125
cis-1,3-Dichloropropene	50.0	49.2		ug/L		98	64 - 127
Dibromochloromethane	50.0	56.1		ug/L		112	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	43.7		ug/L		87	56 - 123
Dibromomethane	50.0	50.6		ug/L		101	70 - 120
1,2-Dichlorobenzene	50.0	53.8		ug/L		108	70 - 125
1,3-Dichlorobenzene	50.0	51.5		ug/L		103	70 - 125
1,4-Dichlorobenzene	50.0	51.6		ug/L		103	70 - 120
Dichlorodifluoromethane	50.0	47.0		ug/L		94	40 - 159
1,1-Dichloroethane	50.0	48.7		ug/L		97	70 - 125
1,2-Dichloroethane	50.0	46.5		ug/L		93	68 - 127
1,1-Dichloroethene	50.0	50.6		ug/L		101	67 - 122
1,2-Dichloropropane	50.0	48.2		ug/L		96	67 - 130
1,3-Dichloropropane	50.0	52.9		ug/L		106	62 - 136
2,2-Dichloropropane	50.0	43.9		ug/L		88	58 - 139
1,1-Dichloropropene	50.0	51.2		ug/L		102	70 - 121
Ethylbenzene	50.0	53.4		ug/L		107	70 - 123
Ethylene Dibromide	50.0	52.7		ug/L		105	70 - 125
Hexachlorobutadiene	50.0	56.4		ug/L		113	51 - 150
Isopropylbenzene	50.0	52.6		ug/L		105	70 - 126
Methylene Chloride	50.0	49.3		ug/L		99	69 - 125
Methyl tert-butyl ether	50.0	46.4		ug/L		93	55 - 123
Naphthalene	50.0	46.2		ug/L		92	53 - 144
n-Butylbenzene	50.0	51.8		ug/L		104	68 - 125
N-Propylbenzene	50.0	51.4		ug/L		103	69 - 127
p-Isopropyltoluene	50.0	53.6		ug/L		107	70 - 125
sec-Butylbenzene	50.0	53.6		ug/L		107	70 - 123
Styrene	50.0	54.2		ug/L		108	70 - 120
tert-Butylbenzene	50.0	51.6		ug/L		103	70 - 121
1,1,1,2-Tetrachloroethane	50.0	53.7		ug/L		107	70 - 125
1,1,2,2-Tetrachloroethane	50.0	52.3		ug/L		105	62 - 140
Tetrachloroethene	50.0	58.8		ug/L		118	70 - 128
Toluene	50.0	50.3		ug/L		101	70 - 125
trans-1,2-Dichloroethene	50.0	53.4		ug/L		107	70 - 125
trans-1,3-Dichloropropene	50.0	49.1		ug/L		98	62 - 128
1,2,3-Trichlorobenzene	50.0	49.6		ug/L		99	51 - 145
1,2,4-Trichlorobenzene	50.0	50.9		ug/L		102	57 - 137
1,1,1-Trichloroethane	50.0	52.5		ug/L		105	70 - 125

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

Lab Sample ID: LCS 500-760757/4
Matrix: Water
Analysis Batch: 760757

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichloroethane	50.0	55.7		ug/L		111	71 - 130
Trichloroethene	50.0	54.4		ug/L		109	70 - 125
Trichlorofluoromethane	50.0	52.9		ug/L		106	55 - 128
1,2,3-Trichloropropane	50.0	50.2		ug/L		100	50 - 133
1,2,4-Trimethylbenzene	50.0	51.1		ug/L		102	70 - 123
1,3,5-Trimethylbenzene	50.0	51.1		ug/L		102	70 - 123
Vinyl chloride	50.0	49.8		ug/L		100	64 - 126
Xylenes, Total	100	103		ug/L		103	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*
Dibromofluoromethane (Surr)	*99*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 126*
Toluene-d8 (Surr)	*104*		*75 - 120*

Lab Chronicle

Client: Giles Engineering Associates
Project/Site: Smoke-Out Verona - 1E-1105024

Job ID: 500-247954-1

Client Sample ID: PZ-1
Date Collected: 03/20/24 14:25
Date Received: 03/21/24 09:50

Lab Sample ID: 500-247954-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	759742	W1T	EET CHI	03/25/24 16:04

Client Sample ID: MW-1
Date Collected: 03/20/24 14:15
Date Received: 03/21/24 09:50

Lab Sample ID: 500-247954-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D	DL	100	760533	EA	EET CHI	03/29/24 19:29
Total/NA	Analysis	8260D		1	759742	W1T	EET CHI	03/25/24 16:27

Client Sample ID: MW-3
Date Collected: 03/20/24 13:15
Date Received: 03/21/24 09:50

Lab Sample ID: 500-247954-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D	DL	10	760533	EA	EET CHI	03/29/24 19:04
Total/NA	Analysis	8260D		1	759742	W1T	EET CHI	03/25/24 17:14

Client Sample ID: MW-4
Date Collected: 03/20/24 11:45
Date Received: 03/21/24 09:50

Lab Sample ID: 500-247954-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	759742	W1T	EET CHI	03/25/24 17:37

Client Sample ID: MW-5
Date Collected: 03/20/24 12:45
Date Received: 03/21/24 09:50

Lab Sample ID: 500-247954-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	759742	W1T	EET CHI	03/25/24 18:00

Client Sample ID: Trip Blank
Date Collected: 03/20/24 00:00
Date Received: 03/21/24 09:50

Lab Sample ID: 500-247954-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	759742	W1T	EET CHI	03/25/24 13:46

Client Sample ID: MW-2
Date Collected: 03/27/24 08:25
Date Received: 03/29/24 10:05

Lab Sample ID: 500-247954-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	760757	W1T	EET CHI	03/31/24 15:23

Lab Chronicle

Client: Giles Engineering Associates
Job ID: 500-247954-1
Project/Site: Smoke-Out Verona - 1E-1105024

Client Sample ID: MW-6
Lab Sample ID: 500-247954-8
Date Collected: 03/27/24 08:45
Matrix: Water
Date Received: 03/29/24 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	760757	W1T	EET CHI	03/31/24 15:46

Client Sample ID: MW-7
Lab Sample ID: 500-247954-9
Date Collected: 03/27/24 09:10
Matrix: Water
Date Received: 03/29/24 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	760757	W1T	EET CHI	03/31/24 16:09

Laboratory References:

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

Accreditation/Certification Summary

Client: Giles Engineering Associates
Job ID: 500-247954-1
Project/Site: Smoke-Out Verona - 1E-1105024

Laboratory: Eurofins Chicago

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

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

Eurofins TestAmerica, Chicago
2417 Bond Street

University Park, IL 60484-3101
phone 708 534 5200 fax 708 534 5211

Chain of Custody Record

eurofins

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Kevin Bugel; Michelle Reed	Site Contact: Cody Reich	Date: 3-22-24	COC No
Giles Engineering Associates, Inc	Email: Kbugel@gilesengr.com; mreed@gilesengr.com	Lab Contact:	Carrier:	1 of 1 COCs
N8 W22350 Johnson Dr, Suite A1	Tel/Fax: 262-544-6118			TALS Project #
Waukesha, WI 53186	Analysis Turnaround Time			Sampler:
262-544-0118 Phone	☐ CALENDAR DAYS ☒ WORKING DAYS			For Lab Use Only:
FAX	TAT if different from Below ____			Walk-in Client:
Project Name Smoke-out Verona	☒ 2 weeks			Lab Sampling
Site IE-1105024	☐ 1 week			Job / SDG No
P O #	☐ 2 days ☐ 1 day			500-247954

500-247954 COC

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOC 8260B	Sample Specific Notes.
1	PZ-1	3-20-24	1425	G	Water	3			X	
2	MW-1		1415							
	MW-2		1140							
3	MW-3		1315							
4	MW-4		1145							
5	MW-5		1245							
	MW-6		900							
	MW-7		1010							
6	Trip Blank								X	
									2	

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

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

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact ☐ Yes ☐ No	Custody Seal No	Cooler Temp (°C) Obs'd 6.0 Corr'd 5.3	Therm ID No.

Relinquished by Cody L Reich	Company Giles	Date/Time 3-22-24 940	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by	Company EETA	Date/Time 03/21/24 0950

Form No. CA-C-WI-002, Rev. 4.35, dated 10/6/2020

Eurofins TestAmerica, Chicago
2417 Bond Street

University Park, IL 60484-3101
phone 708 534 5200 fax 708 534 5211

Chain of Custody Record

eurofins environment testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Kevin Buyel; Michelle Reed	Site Contact: Cody Reich	Date:	COC No
Giles Engineering Associates, Inc	Email khuyel@gilesengr.com; mpuelz@	Lab Contact:	Carrier:	1 of 1 COCs
N8 W22350 Johnson Road	Tel/Fax:			TALS Project #
Waukesha, WI 53186	**Analysis Turnaround Time**			Sampler
262-544-0118 Pho	☐ CALENDAR DAYS ☒ WORKING DAYS			**For Lab Use Only:**
FAX	TAT if different from Below ____			Walk-in Client
Project Name Smoke out Cleaners	☒ 2 weeks			Lab Sampling
Site	☐ 1 week			
P O #	☐ 2 days			Job / SDG No 247954
	☐ 1 day			500-247954 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOC	Sample Specific Notes
7 MW-2	3-27-24	825	G	Water	3			X	
8 MW-6		845							
9 MW-7		910							
								2	

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

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

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:
Log to job 500-247954

Custody Seals Intact	☐ Yes ☐ No	Custody Seal No		Cooler Temp (°C) Obs'd 3.0 Corr'd 2.5		Therm ID No
Relinquished by	Company	Date/Time	Received by	Company	Date/Time	
Cody L Reich	Giles	3/28/1700	ER	Eurofins	3-28-24 13:27	
Relinquished by	Company	Date/Time	Received by	Company	Date/Time	
	Eurofins 3/28/24	1700				
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time	
				EEN	3/29/24 1005	

500-247954 Waybi

ORIGIN ID:KRLA (262) 202 3535
DAN PELCZAR
GILES ENGINEERING ASSOCIATE
N8 W 22350 JOHNSON ROAD

WAUKESHA, WI 53186
UNITED STATES US

SHIP DATE: 21MAR24
ACTWGT: 20.00 LB MAN
CAD: 0780307/CAFE3755

Part # 159469-434 MTW EXP 10/24 **

TO SAMPLE RECEIPT
EUROFINS CHICAGO
2417 BOND ST.

UNIVERSITY PARK IL 60484
(708) 634-5200 REF:
INV:
PO: DEPT:

RMA:

FedEx Express

FedEx
TRK# 0221 7252 5234 2607

THU - 21 MAR 10:30A
PRIORITY OVERNIGHT

XP JOTA

60484
IL-US ORD

EXP 09/24

16qt. 60 → 53

Login Sample Receipt Checklist

Client: Giles Engineering Associates

Job Number: 500-247954-1

Login Number: 247954
List Number: 1
Creator: Schmidt, Kara

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.3,2.5
COC is present.	False	COC missing on arrival
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.	False	Missing samples on arrival
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	