

PES Environmental, Inc.- WA

Sample Delivery Group: L1742409
Samples Received: 06/01/2024
Project Number: 443022-1413001.10
Description: American Linen Q2 2024

Report To: Daniel Balbiani
2101 Fourth Ave., Suite 1310
Seattle, WA 98121

Entire Report Reviewed By:



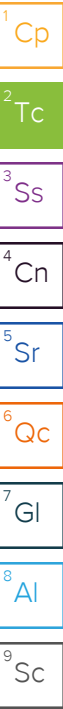
Jared Starkey
Project Manager

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Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

TABLE OF CONTENTS

Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	4
Sr: Sample Results	5
MW112-052924 L1742409-01	5
MW106-052924 L1742409-02	7
EQ-052924 L1742409-03	9
Qc: Quality Control Summary	11
Wet Chemistry by Method 9056A	11
Wet Chemistry by Method 9060A	12
Metals (ICPMS) by Method 6020B	13
Volatile Organic Compounds (GC) by Method RSK175	14
Volatile Organic Compounds (GC/MS) by Method 8260D	15
Gl: Glossary of Terms	19
Al: Accreditations & Locations	20
Sc: Sample Chain of Custody	21



SAMPLE SUMMARY

*Updated to MW112R in lab report excel file. N. Wisdom 10/7/24

MW112-052924 L1742409-01 GW

Collected by
Devlin Del Giudice

Collected date/time
05/29/24 10:09

Received date/time
06/01/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2301894	1	06/10/24 05:43	06/10/24 05:43	JBE	Mt. Juliet, TN

MW106-052924 L1742409-02 GW

Collected by
Devlin Del Giudice

Collected date/time
05/29/24 13:24

Received date/time
06/01/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2301894	1	06/10/24 06:03	06/10/24 06:03	JBE	Mt. Juliet, TN

EQ-052924 L1742409-03 GW

Collected by
Devlin Del Giudice

Collected date/time
05/29/24 15:03

Received date/time
06/01/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2310843	1	06/28/24 04:11	06/28/24 04:11	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2307287	1	06/19/24 06:03	06/19/24 06:03	ASH	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2308019	1	06/20/24 00:33	07/03/24 17:23	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2297748	1	06/06/24 11:50	06/06/24 11:50	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2301894	1	06/10/24 03:46	06/10/24 03:46	JBE	Mt. Juliet, TN

¹Cp

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³Ss

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CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jared Starkey
Project Manager

- ¹ Cp
- ² Tc
- ³ Ss
- ⁴ Cn
- ⁵ Sr
- ⁶ Qc
- ⁷ Gl
- ⁸ Al
- ⁹ Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.10		0.548	1.00	1	06/10/2024 05:43	WG2301894
Acrylonitrile	U		0.0760	0.500	1	06/10/2024 05:43	WG2301894
Benzene	U		0.0160	0.0400	1	06/10/2024 05:43	WG2301894
Bromobenzene	U		0.0420	0.500	1	06/10/2024 05:43	WG2301894
Bromochloromethane	U		0.0452	0.200	1	06/10/2024 05:43	WG2301894
Bromodichloromethane	U		0.0315	0.100	1	06/10/2024 05:43	WG2301894
Bromoform	U		0.239	1.00	1	06/10/2024 05:43	WG2301894
Bromomethane	U	C3	0.148	0.500	1	06/10/2024 05:43	WG2301894
n-Butylbenzene	U		0.153	0.500	1	06/10/2024 05:43	WG2301894
sec-Butylbenzene	U		0.101	0.500	1	06/10/2024 05:43	WG2301894
tert-Butylbenzene	U		0.0620	0.200	1	06/10/2024 05:43	WG2301894
Carbon disulfide	U		0.162	0.500	1	06/10/2024 05:43	WG2301894
Carbon tetrachloride	U		0.0432	0.200	1	06/10/2024 05:43	WG2301894
Chlorobenzene	U		0.0229	0.100	1	06/10/2024 05:43	WG2301894
Chlorodibromomethane	U		0.0180	0.100	1	06/10/2024 05:43	WG2301894
Chloroethane	U		0.0432	0.200	1	06/10/2024 05:43	WG2301894
Chloroform	U		0.0166	0.100	1	06/10/2024 05:43	WG2301894
Chloromethane	U		0.0556	0.500	1	06/10/2024 05:43	WG2301894
2-Chlorotoluene	U		0.0368	0.100	1	06/10/2024 05:43	WG2301894
4-Chlorotoluene	U		0.0452	0.200	1	06/10/2024 05:43	WG2301894
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	06/10/2024 05:43	WG2301894
1,2-Dibromoethane	U		0.0210	0.100	1	06/10/2024 05:43	WG2301894
Dibromomethane	U		0.0400	0.200	1	06/10/2024 05:43	WG2301894
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/10/2024 05:43	WG2301894
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/10/2024 05:43	WG2301894
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/10/2024 05:43	WG2301894
trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	06/10/2024 05:43	WG2301894
Dichlorodifluoromethane	U		0.0327	0.200	1	06/10/2024 05:43	WG2301894
1,1-Dichloroethane	U		0.0230	0.100	1	06/10/2024 05:43	WG2301894
1,2-Dichloroethane	U		0.0190	0.100	1	06/10/2024 05:43	WG2301894
1,1-Dichloroethene	U		0.0200	0.100	1	06/10/2024 05:43	WG2301894
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/10/2024 05:43	WG2301894
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/10/2024 05:43	WG2301894
1,2-Dichloropropane	U		0.0508	0.200	1	06/10/2024 05:43	WG2301894
1,1-Dichloropropene	U		0.0280	0.100	1	06/10/2024 05:43	WG2301894
1,3-Dichloropropane	U		0.0700	0.200	1	06/10/2024 05:43	WG2301894
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/10/2024 05:43	WG2301894
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/10/2024 05:43	WG2301894
2,2-Dichloropropane	U		0.0317	0.100	1	06/10/2024 05:43	WG2301894
Di-isopropyl ether	U		0.0140	0.0400	1	06/10/2024 05:43	WG2301894
Ethylbenzene	U		0.0212	0.100	1	06/10/2024 05:43	WG2301894
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/10/2024 05:43	WG2301894
2-Hexanone	U		0.400	1.00	1	06/10/2024 05:43	WG2301894
n-Hexane	U		0.0424	0.200	1	06/10/2024 05:43	WG2301894
Iodomethane	U		0.242	0.500	1	06/10/2024 05:43	WG2301894
Isopropylbenzene	U		0.0345	0.100	1	06/10/2024 05:43	WG2301894
p-Isopropyltoluene	U		0.0932	0.200	1	06/10/2024 05:43	WG2301894
2-Butanone (MEK)	U		0.500	1.00	1	06/10/2024 05:43	WG2301894
Methylene Chloride	U		0.265	1.00	1	06/10/2024 05:43	WG2301894
4-Methyl-2-pentanone (MIBK)	2.72		0.400	1.00	1	06/10/2024 05:43	WG2301894
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/10/2024 05:43	WG2301894
Naphthalene	U		0.124	0.500	1	06/10/2024 05:43	WG2301894
n-Propylbenzene	U		0.0472	0.200	1	06/10/2024 05:43	WG2301894
Styrene	U		0.109	0.500	1	06/10/2024 05:43	WG2301894
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/10/2024 05:43	WG2301894
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/10/2024 05:43	WG2301894



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/10/2024 05:43	WG2301894
Tetrachloroethene	U		0.0280	0.100	1	06/10/2024 05:43	WG2301894
Toluene	U		0.0500	0.200	1	06/10/2024 05:43	WG2301894
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/10/2024 05:43	WG2301894
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/10/2024 05:43	WG2301894
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/10/2024 05:43	WG2301894
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/10/2024 05:43	WG2301894
Trichloroethene	U		0.0160	0.0400	1	06/10/2024 05:43	WG2301894
Trichlorofluoromethane	U		0.0200	0.100	1	06/10/2024 05:43	WG2301894
1,2,3-Trichloropropane	U		0.204	0.500	1	06/10/2024 05:43	WG2301894
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/10/2024 05:43	WG2301894
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/10/2024 05:43	WG2301894
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/10/2024 05:43	WG2301894
Vinyl acetate	U		0.141	0.500	1	06/10/2024 05:43	WG2301894
Vinyl chloride	U		0.0273	0.100	1	06/10/2024 05:43	WG2301894
Xylenes, Total	U		0.191	0.260	1	06/10/2024 05:43	WG2301894
(S) Toluene-d8	101			75.0-131		06/10/2024 05:43	WG2301894
(S) 4-Bromofluorobenzene	102			67.0-138		06/10/2024 05:43	WG2301894
(S) 1,2-Dichloroethane-d4	92.4			70.0-130		06/10/2024 05:43	WG2301894

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/10/2024 06:03	WG2301894
Acrylonitrile	U		0.0760	0.500	1	06/10/2024 06:03	WG2301894
Benzene	U		0.0160	0.0400	1	06/10/2024 06:03	WG2301894
Bromobenzene	U		0.0420	0.500	1	06/10/2024 06:03	WG2301894
Bromochloromethane	U		0.0452	0.200	1	06/10/2024 06:03	WG2301894
Bromodichloromethane	U		0.0315	0.100	1	06/10/2024 06:03	WG2301894
Bromoform	U		0.239	1.00	1	06/10/2024 06:03	WG2301894
Bromomethane	U	C3	0.148	0.500	1	06/10/2024 06:03	WG2301894
n-Butylbenzene	U		0.153	0.500	1	06/10/2024 06:03	WG2301894
sec-Butylbenzene	U		0.101	0.500	1	06/10/2024 06:03	WG2301894
tert-Butylbenzene	U		0.0620	0.200	1	06/10/2024 06:03	WG2301894
Carbon disulfide	U		0.162	0.500	1	06/10/2024 06:03	WG2301894
Carbon tetrachloride	U		0.0432	0.200	1	06/10/2024 06:03	WG2301894
Chlorobenzene	U		0.0229	0.100	1	06/10/2024 06:03	WG2301894
Chlorodibromomethane	U		0.0180	0.100	1	06/10/2024 06:03	WG2301894
Chloroethane	U		0.0432	0.200	1	06/10/2024 06:03	WG2301894
Chloroform	U		0.0166	0.100	1	06/10/2024 06:03	WG2301894
Chloromethane	U		0.0556	0.500	1	06/10/2024 06:03	WG2301894
2-Chlorotoluene	U		0.0368	0.100	1	06/10/2024 06:03	WG2301894
4-Chlorotoluene	U		0.0452	0.200	1	06/10/2024 06:03	WG2301894
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	06/10/2024 06:03	WG2301894
1,2-Dibromoethane	U		0.0210	0.100	1	06/10/2024 06:03	WG2301894
Dibromomethane	U		0.0400	0.200	1	06/10/2024 06:03	WG2301894
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/10/2024 06:03	WG2301894
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/10/2024 06:03	WG2301894
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/10/2024 06:03	WG2301894
trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	06/10/2024 06:03	WG2301894
Dichlorodifluoromethane	U		0.0327	0.200	1	06/10/2024 06:03	WG2301894
1,1-Dichloroethane	U		0.0230	0.100	1	06/10/2024 06:03	WG2301894
1,2-Dichloroethane	U		0.0190	0.100	1	06/10/2024 06:03	WG2301894
1,1-Dichloroethene	U		0.0200	0.100	1	06/10/2024 06:03	WG2301894
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/10/2024 06:03	WG2301894
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/10/2024 06:03	WG2301894
1,2-Dichloropropane	U		0.0508	0.200	1	06/10/2024 06:03	WG2301894
1,1-Dichloropropene	U		0.0280	0.100	1	06/10/2024 06:03	WG2301894
1,3-Dichloropropane	U		0.0700	0.200	1	06/10/2024 06:03	WG2301894
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/10/2024 06:03	WG2301894
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/10/2024 06:03	WG2301894
2,2-Dichloropropane	U		0.0317	0.100	1	06/10/2024 06:03	WG2301894
Di-isopropyl ether	U		0.0140	0.0400	1	06/10/2024 06:03	WG2301894
Ethylbenzene	0.0340	J	0.0212	0.100	1	06/10/2024 06:03	WG2301894
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/10/2024 06:03	WG2301894
2-Hexanone	U		0.400	1.00	1	06/10/2024 06:03	WG2301894
n-Hexane	U		0.0424	0.200	1	06/10/2024 06:03	WG2301894
Iodomethane	U		0.242	0.500	1	06/10/2024 06:03	WG2301894
Isopropylbenzene	U		0.0345	0.100	1	06/10/2024 06:03	WG2301894
p-Isopropyltoluene	U		0.0932	0.200	1	06/10/2024 06:03	WG2301894
2-Butanone (MEK)	U		0.500	1.00	1	06/10/2024 06:03	WG2301894
Methylene Chloride	U		0.265	1.00	1	06/10/2024 06:03	WG2301894
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/10/2024 06:03	WG2301894
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/10/2024 06:03	WG2301894
Naphthalene	U		0.124	0.500	1	06/10/2024 06:03	WG2301894
n-Propylbenzene	U		0.0472	0.200	1	06/10/2024 06:03	WG2301894
Styrene	U		0.109	0.500	1	06/10/2024 06:03	WG2301894
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/10/2024 06:03	WG2301894
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/10/2024 06:03	WG2301894

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/10/2024 06:03	WG2301894
Tetrachloroethene	U		0.0280	0.100	1	06/10/2024 06:03	WG2301894
Toluene	0.0830	U	0.0500	0.200	1	06/10/2024 06:03	WG2301894
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/10/2024 06:03	WG2301894
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/10/2024 06:03	WG2301894
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/10/2024 06:03	WG2301894
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/10/2024 06:03	WG2301894
Trichloroethene	U		0.0160	0.0400	1	06/10/2024 06:03	WG2301894
Trichlorofluoromethane	U		0.0200	0.100	1	06/10/2024 06:03	WG2301894
1,2,3-Trichloropropane	U		0.204	0.500	1	06/10/2024 06:03	WG2301894
1,2,4-Trimethylbenzene	0.0660	U	0.0464	0.200	1	06/10/2024 06:03	WG2301894
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/10/2024 06:03	WG2301894
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/10/2024 06:03	WG2301894
Vinyl acetate	U		0.141	0.500	1	06/10/2024 06:03	WG2301894
Vinyl chloride	U		0.0273	0.100	1	06/10/2024 06:03	WG2301894
Xylenes, Total	0.316		0.191	0.260	1	06/10/2024 06:03	WG2301894
(S) Toluene-d8	100			75.0-131		06/10/2024 06:03	WG2301894
(S) 4-Bromofluorobenzene	103			67.0-138		06/10/2024 06:03	WG2301894
(S) 1,2-Dichloroethane-d4	93.8			70.0-130		06/10/2024 06:03	WG2301894

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	U		594	5000	1	06/28/2024 04:11	WG2310843

1
Cp

2
Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	317	B J	102	1000	1	06/19/2024 06:03	WG2307287

3
Ss

4
Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	U		28.1	100	1	07/03/2024 17:23	WG2308019
Manganese	U		0.704	5.00	1	07/03/2024 17:23	WG2308019

5
Sr

6
Qc

7
Gl

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	U		0.287	0.678	1	06/06/2024 11:50	WG2297748
Ethane	U		0.296	1.29	1	06/06/2024 11:50	WG2297748
Ethene	U		0.422	1.27	1	06/06/2024 11:50	WG2297748

8
Al

9
Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.32		0.548	1.00	1	06/10/2024 03:46	WG2301894
Acrylonitrile	U		0.0760	0.500	1	06/10/2024 03:46	WG2301894
Benzene	U		0.0160	0.0400	1	06/10/2024 03:46	WG2301894
Bromobenzene	U		0.0420	0.500	1	06/10/2024 03:46	WG2301894
Bromochloromethane	U		0.0452	0.200	1	06/10/2024 03:46	WG2301894
Bromodichloromethane	U		0.0315	0.100	1	06/10/2024 03:46	WG2301894
Bromoform	U		0.239	1.00	1	06/10/2024 03:46	WG2301894
Bromomethane	U	C3	0.148	0.500	1	06/10/2024 03:46	WG2301894
n-Butylbenzene	U		0.153	0.500	1	06/10/2024 03:46	WG2301894
sec-Butylbenzene	U		0.101	0.500	1	06/10/2024 03:46	WG2301894
tert-Butylbenzene	U		0.0620	0.200	1	06/10/2024 03:46	WG2301894
Carbon disulfide	U		0.162	0.500	1	06/10/2024 03:46	WG2301894
Carbon tetrachloride	U		0.0432	0.200	1	06/10/2024 03:46	WG2301894
Chlorobenzene	U		0.0229	0.100	1	06/10/2024 03:46	WG2301894
Chlorodibromomethane	U		0.0180	0.100	1	06/10/2024 03:46	WG2301894
Chloroethane	U		0.0432	0.200	1	06/10/2024 03:46	WG2301894
Chloroform	1.20		0.0166	0.100	1	06/10/2024 03:46	WG2301894
Chloromethane	U		0.0556	0.500	1	06/10/2024 03:46	WG2301894
2-Chlorotoluene	U		0.0368	0.100	1	06/10/2024 03:46	WG2301894
4-Chlorotoluene	U		0.0452	0.200	1	06/10/2024 03:46	WG2301894
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	06/10/2024 03:46	WG2301894
1,2-Dibromoethane	U		0.0210	0.100	1	06/10/2024 03:46	WG2301894
Dibromomethane	U		0.0400	0.200	1	06/10/2024 03:46	WG2301894
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/10/2024 03:46	WG2301894
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/10/2024 03:46	WG2301894
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/10/2024 03:46	WG2301894
trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	06/10/2024 03:46	WG2301894
Dichlorodifluoromethane	U		0.0327	0.200	1	06/10/2024 03:46	WG2301894
1,1-Dichloroethane	U		0.0230	0.100	1	06/10/2024 03:46	WG2301894
1,2-Dichloroethane	U		0.0190	0.100	1	06/10/2024 03:46	WG2301894
1,1-Dichloroethene	U		0.0200	0.100	1	06/10/2024 03:46	WG2301894

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/10/2024 03:46	WG2301894
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/10/2024 03:46	WG2301894
1,2-Dichloropropane	U		0.0508	0.200	1	06/10/2024 03:46	WG2301894
1,1-Dichloropropene	U		0.0280	0.100	1	06/10/2024 03:46	WG2301894
1,3-Dichloropropane	U		0.0700	0.200	1	06/10/2024 03:46	WG2301894
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/10/2024 03:46	WG2301894
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/10/2024 03:46	WG2301894
2,2-Dichloropropane	U		0.0317	0.100	1	06/10/2024 03:46	WG2301894
Di-isopropyl ether	U		0.0140	0.0400	1	06/10/2024 03:46	WG2301894
Ethylbenzene	U		0.0212	0.100	1	06/10/2024 03:46	WG2301894
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/10/2024 03:46	WG2301894
2-Hexanone	U		0.400	1.00	1	06/10/2024 03:46	WG2301894
n-Hexane	U		0.0424	0.200	1	06/10/2024 03:46	WG2301894
Iodomethane	U		0.242	0.500	1	06/10/2024 03:46	WG2301894
Isopropylbenzene	U		0.0345	0.100	1	06/10/2024 03:46	WG2301894
p-Isopropyltoluene	U		0.0932	0.200	1	06/10/2024 03:46	WG2301894
2-Butanone (MEK)	U		0.500	1.00	1	06/10/2024 03:46	WG2301894
Methylene Chloride	U		0.265	1.00	1	06/10/2024 03:46	WG2301894
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/10/2024 03:46	WG2301894
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/10/2024 03:46	WG2301894
Naphthalene	U		0.124	0.500	1	06/10/2024 03:46	WG2301894
n-Propylbenzene	U		0.0472	0.200	1	06/10/2024 03:46	WG2301894
Styrene	U		0.109	0.500	1	06/10/2024 03:46	WG2301894
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/10/2024 03:46	WG2301894
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/10/2024 03:46	WG2301894
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/10/2024 03:46	WG2301894
Tetrachloroethene	U		0.0280	0.100	1	06/10/2024 03:46	WG2301894
Toluene	U		0.0500	0.200	1	06/10/2024 03:46	WG2301894
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/10/2024 03:46	WG2301894
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/10/2024 03:46	WG2301894
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/10/2024 03:46	WG2301894
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/10/2024 03:46	WG2301894
Trichloroethene	U		0.0160	0.0400	1	06/10/2024 03:46	WG2301894
Trichlorofluoromethane	U		0.0200	0.100	1	06/10/2024 03:46	WG2301894
1,2,3-Trichloropropane	U		0.204	0.500	1	06/10/2024 03:46	WG2301894
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/10/2024 03:46	WG2301894
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/10/2024 03:46	WG2301894
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/10/2024 03:46	WG2301894
Vinyl acetate	U		0.141	0.500	1	06/10/2024 03:46	WG2301894
Vinyl chloride	U		0.0273	0.100	1	06/10/2024 03:46	WG2301894
Xylenes, Total	U		0.191	0.260	1	06/10/2024 03:46	WG2301894
(S) Toluene-d8	99.3			75.0-131		06/10/2024 03:46	WG2301894
(S) 4-Bromofluorobenzene	100			67.0-138		06/10/2024 03:46	WG2301894
(S) 1,2-Dichloroethane-d4	93.4			70.0-130		06/10/2024 03:46	WG2301894

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4087713-1 06/27/24 20:30

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Sulfate	U		594	5000

L1742271-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1742271-10 06/28/24 00:28 • (DUP) R4087713-3 06/28/24 00:44

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Sulfate	5560	5570	1	0.117		15

L1742271-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1742271-11 06/28/24 01:32 • (DUP) R4087713-6 06/28/24 01:48

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Sulfate	5570	5600	1	0.501		15

Laboratory Control Sample (LCS)

(LCS) R4087713-2 06/27/24 20:45

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Sulfate	40000	38900	97.3	80.0-120	

L1742271-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1742271-10 06/28/24 00:28 • (MS) R4087713-4 06/28/24 01:00 • (MSD) R4087713-5 06/28/24 01:16

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Sulfate	40000	5560	42800	42900	93.1	93.3	1	80.0-120			0.224	15

L1742271-11 Original Sample (OS) • Matrix Spike (MS)

(OS) L1742271-11 06/28/24 01:32 • (MS) R4087713-7 06/28/24 02:04

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	ug/l	ug/l	ug/l	%		%	
Sulfate	40000	5570	44000	96.1	1	80.0-120	



Method Blank (MB)

(MB) R4083539-2 06/18/24 19:13

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
TOC (Total Organic Carbon)	115	⬇	102	1000

L1742265-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1742265-04 06/18/24 20:37 • (DUP) R4083539-3 06/18/24 20:59

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	11600	11800	1	1.45		20

L1742271-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1742271-09 06/19/24 01:49 • (DUP) R4083539-6 06/19/24 02:09

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	4060	4220	1	3.89		20

Laboratory Control Sample (LCS)

(LCS) R4083539-1 06/18/24 18:56

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
TOC (Total Organic Carbon)	25000	23900	95.7	85.0-115	

L1742265-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1742265-05 06/18/24 21:19 • (MS) R4083539-4 06/18/24 21:43 • (MSD) R4083539-5 06/18/24 22:06

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
TOC (Total Organic Carbon)	25000	1670	25900	25800	96.9	96.3	1	85.0-115			0.581	20

L1742271-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1742271-10 06/19/24 02:30 • (MS) R4083539-7 06/19/24 03:00 • (MSD) R4083539-8 06/19/24 03:24

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
TOC (Total Organic Carbon)	25000	2520	26400	26000	95.6	93.9	1	85.0-115			1.56	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4089915-1 07/03/24 16:34

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Iron	U		28.1	100
Manganese	U		0.704	5.00

Laboratory Control Sample (LCS)

(LCS) R4089915-2 07/03/24 16:37

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Iron	1000	1060	106	80.0-120	
Manganese	50.0	51.1	102	80.0-120	

L1742401-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1742401-01 07/03/24 16:41 • (MS) R4089915-4 07/03/24 16:47 • (MSD) R4089915-5 07/03/24 16:51

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Iron	1000	61.6	1140	1110	108	105	1	75.0-125			2.91	20
Manganese	50.0	35.4	88.5	86.7	106	103	1	75.0-125			2.11	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4078088-2 06/06/24 08:53

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Methane	U		0.287	0.678
Ethane	U		0.296	1.29
Ethene	U		0.422	1.27

L1742145-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1742145-04 06/06/24 09:07 • (DUP) R4078088-3 06/06/24 09:36

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	U	U	1	0.000		20
Ethane	U	U	1	0.000		20
Ethene	U	U	1	0.000		20

L1742200-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1742200-01 06/06/24 09:40 • (DUP) R4078088-4 06/06/24 11:58

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	40.9	42.3	1	3.37		20
Ethane	U	U	1	0.000		20
Ethene	U	U	1	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4078088-1 06/06/24 08:50 • (LCSD) R4078088-5 06/06/24 12:03

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methane	67.8	62.9	60.7	92.8	89.5	85.0-115			3.56	20
Ethane	129	122	119	94.6	92.2	85.0-115			2.49	20
Ethene	127	122	119	96.1	93.7	85.0-115			2.49	20

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4079623-3 06/10/24 03:06

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		0.548	1.00
Acrylonitrile	U		0.0760	0.500
Benzene	U		0.0160	0.0400
Bromobenzene	U		0.0420	0.500
Bromochloromethane	U		0.0452	0.200
Bromodichloromethane	U		0.0315	0.100
Bromoform	U		0.239	1.00
Bromomethane	U		0.148	0.500
n-Butylbenzene	U		0.153	0.500
sec-Butylbenzene	U		0.101	0.500
tert-Butylbenzene	U		0.0620	0.200
Carbon disulfide	U		0.162	0.500
Carbon tetrachloride	U		0.0432	0.200
Chlorobenzene	U		0.0229	0.100
Chlorodibromomethane	U		0.0180	0.100
Chloroethane	U		0.0432	0.200
Chloroform	U		0.0166	0.100
Chloromethane	U		0.0556	0.500
2-Chlorotoluene	U		0.0368	0.100
4-Chlorotoluene	U		0.0452	0.200
1,2-Dibromo-3-Chloropropane	U		0.204	1.00
1,2-Dibromoethane	U		0.0210	0.100
Dibromomethane	U		0.0400	0.200
1,2-Dichlorobenzene	U		0.0580	0.200
1,3-Dichlorobenzene	U		0.0680	0.200
1,4-Dichlorobenzene	U		0.0788	0.200
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
Dichlorodifluoromethane	U		0.0327	0.200
1,1-Dichloroethane	U		0.0230	0.100
1,2-Dichloroethane	U		0.0190	0.100
1,1-Dichloroethene	U		0.0200	0.100
cis-1,2-Dichloroethene	U		0.0276	0.100
trans-1,2-Dichloroethene	U		0.0572	0.200
1,2-Dichloropropane	U		0.0508	0.200
1,1-Dichloropropene	U		0.0280	0.100
1,3-Dichloropropane	U		0.0700	0.200
cis-1,3-Dichloropropene	U		0.0271	0.100
trans-1,3-Dichloropropene	U		0.0612	0.200
2,2-Dichloropropane	U		0.0317	0.100
Di-isopropyl ether	U		0.0140	0.0400

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4079623-3 06/10/24 03:06

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
2-Hexanone	U		0.400	1.00
n-Hexane	U		0.0424	0.200
Iodomethane	U		0.242	0.500
Isopropylbenzene	U		0.0345	0.100
p-Isopropyltoluene	U		0.0932	0.200
2-Butanone (MEK)	U		0.500	1.00
Methylene Chloride	U		0.265	1.00
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00
Methyl tert-butyl ether	U		0.0118	0.0400
Naphthalene	U		0.124	0.500
n-Propylbenzene	U		0.0472	0.200
Styrene	U		0.109	0.500
1,1,1,2-Tetrachloroethane	U		0.0200	0.100
1,1,2,2-Tetrachloroethane	U		0.0156	0.100
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100
Tetrachloroethene	U		0.0280	0.100
Toluene	U		0.0500	0.200
1,2,3-Trichlorobenzene	U		0.0250	0.500
1,2,4-Trichlorobenzene	U		0.193	0.500
1,1,1-Trichloroethane	U		0.0110	0.100
1,1,2-Trichloroethane	U		0.0353	0.100
Trichloroethene	U		0.0160	0.0400
Trichlorofluoromethane	U		0.0200	0.100
1,2,3-Trichloropropane	U		0.204	0.500
1,2,4-Trimethylbenzene	U		0.0464	0.200
1,2,3-Trimethylbenzene	U		0.0460	0.200
1,3,5-Trimethylbenzene	U		0.0432	0.200
Vinyl acetate	U		0.141	0.500
Vinyl chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
(S) Toluene-d8	101			75.0-131
(S) 4-Bromofluorobenzene	99.9			67.0-138
(S) 1,2-Dichloroethane-d4	93.8			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4079623-1 06/10/24 01:48 • (LCSD) R4079623-2 06/10/24 02:07

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Acetone	25.0	21.0	19.1	84.0	76.4	10.0-160			9.48	31
Acrylonitrile	25.0	24.6	23.8	98.4	95.2	45.0-153			3.31	22
Benzene	5.00	4.89	4.83	97.8	96.6	70.0-123			1.23	20
Bromobenzene	5.00	4.82	4.56	96.4	91.2	73.0-121			5.54	20
Bromochloromethane	5.00	5.08	5.04	102	101	77.0-128			0.791	20
Bromodichloromethane	5.00	4.72	4.49	94.4	89.8	73.0-121			4.99	20
Bromoform	5.00	4.75	4.65	95.0	93.0	64.0-132			2.13	20
Bromomethane	5.00	3.65	3.94	73.0	78.8	56.0-147			7.64	20
n-Butylbenzene	5.00	5.80	5.40	116	108	68.0-135			7.14	20
sec-Butylbenzene	5.00	4.96	4.74	99.2	94.8	74.0-130			4.54	20
tert-Butylbenzene	5.00	4.97	4.69	99.4	93.8	75.0-127			5.80	20
Carbon disulfide	5.00	5.16	5.19	103	104	56.0-133			0.580	20
Carbon tetrachloride	5.00	5.16	5.39	103	108	66.0-128			4.36	20
Chlorobenzene	5.00	5.30	4.97	106	99.4	76.0-128			6.43	20
Chlorodibromomethane	5.00	5.31	4.84	106	96.8	74.0-127			9.26	20
Chloroethane	5.00	4.33	4.55	86.6	91.0	61.0-134			4.95	20
Chloroform	5.00	4.84	4.91	96.8	98.2	72.0-123			1.44	20
Chloromethane	5.00	5.50	5.37	110	107	51.0-138			2.39	20
2-Chlorotoluene	5.00	4.81	4.57	96.2	91.4	75.0-124			5.12	20
4-Chlorotoluene	5.00	4.59	4.33	91.8	86.6	75.0-124			5.83	20
1,2-Dibromo-3-Chloropropane	5.00	3.72	3.83	74.4	76.6	59.0-130			2.91	20
1,2-Dibromoethane	5.00	5.02	4.63	100	92.6	74.0-128			8.08	20
Dibromomethane	5.00	5.02	4.77	100	95.4	75.0-122			5.11	20
1,2-Dichlorobenzene	5.00	4.82	4.77	96.4	95.4	76.0-124			1.04	20
1,3-Dichlorobenzene	5.00	5.20	4.93	104	98.6	76.0-125			5.33	20
1,4-Dichlorobenzene	5.00	4.86	4.64	97.2	92.8	77.0-121			4.63	20
trans-1,4-Dichloro-2-butene	5.00	2.94	2.75	58.8	55.0	45.0-143			6.68	20
Dichlorodifluoromethane	5.00	5.61	5.99	112	120	43.0-156			6.55	20
1,1-Dichloroethane	5.00	4.95	4.75	99.0	95.0	70.0-127			4.12	20
1,2-Dichloroethane	5.00	4.41	4.34	88.2	86.8	65.0-131			1.60	20
1,1-Dichloroethene	5.00	5.25	5.27	105	105	65.0-131			0.380	20
cis-1,2-Dichloroethene	5.00	5.30	5.27	106	105	73.0-125			0.568	20
trans-1,2-Dichloroethene	5.00	5.26	5.38	105	108	71.0-125			2.26	20
1,2-Dichloropropane	5.00	5.06	4.78	101	95.6	74.0-125			5.69	20
1,1-Dichloropropene	5.00	5.07	5.06	101	101	73.0-125			0.197	20
1,3-Dichloropropane	5.00	5.11	4.61	102	92.2	80.0-125			10.3	20
cis-1,3-Dichloropropene	5.00	5.13	4.86	103	97.2	76.0-127			5.41	20
trans-1,3-Dichloropropene	5.00	5.11	4.82	102	96.4	73.0-127			5.84	20
2,2-Dichloropropane	5.00	5.20	5.33	104	107	59.0-135			2.47	20
Di-isopropyl ether	5.00	5.07	5.02	101	100	60.0-136			0.991	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4079623-1 06/10/24 01:48 • (LCSD) R4079623-2 06/10/24 02:07

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	5.00	5.17	4.89	103	97.8	74.0-126			5.57	20
Hexachloro-1,3-butadiene	5.00	5.60	5.89	112	118	57.0-150			5.05	20
2-Hexanone	25.0	25.3	23.5	101	94.0	54.0-147			7.38	20
n-Hexane	5.00	5.66	5.57	113	111	55.0-137			1.60	20
Iodomethane	25.0	25.1	25.2	100	101	74.0-134			0.398	20
Isopropylbenzene	5.00	5.17	4.97	103	99.4	72.0-127			3.94	20
p-Isopropyltoluene	5.00	5.21	4.99	104	99.8	72.0-133			4.31	20
2-Butanone (MEK)	25.0	28.9	27.6	116	110	30.0-160			4.60	24
Methylene Chloride	5.00	5.05	5.06	101	101	68.0-123			0.198	20
4-Methyl-2-pentanone (MIBK)	25.0	24.9	23.0	99.6	92.0	56.0-143			7.93	20
Methyl tert-butyl ether	5.00	4.74	4.81	94.8	96.2	66.0-132			1.47	20
Naphthalene	5.00	4.50	4.53	90.0	90.6	59.0-130			0.664	20
n-Propylbenzene	5.00	4.72	4.42	94.4	88.4	74.0-126			6.56	20
Styrene	5.00	5.23	4.89	105	97.8	72.0-127			6.72	20
1,1,1,2-Tetrachloroethane	5.00	5.32	5.02	106	100	74.0-129			5.80	20
1,1,2,2-Tetrachloroethane	5.00	4.25	4.04	85.0	80.8	68.0-128			5.07	20
1,1,2-Trichlorotrifluoroethane	5.00	5.59	5.75	112	115	61.0-139			2.82	20
Tetrachloroethene	5.00	6.17	5.64	123	113	70.0-136			8.98	20
Toluene	5.00	5.04	4.66	101	93.2	75.0-121			7.84	20
1,2,3-Trichlorobenzene	5.00	5.08	4.84	102	96.8	59.0-139			4.84	20
1,2,4-Trichlorobenzene	5.00	5.11	5.06	102	101	62.0-137			0.983	20
1,1,1-Trichloroethane	5.00	5.30	5.29	106	106	69.0-126			0.189	20
1,1,2-Trichloroethane	5.00	5.39	4.94	108	98.8	78.0-123			8.71	20
Trichloroethene	5.00	5.01	4.87	100	97.4	76.0-126			2.83	20
Trichlorofluoromethane	5.00	5.67	5.89	113	118	61.0-142	U	U	3.81	20
1,2,3-Trichloropropane	5.00	4.39	4.35	87.8	87.0	67.0-129			0.915	20
1,2,4-Trimethylbenzene	5.00	4.94	4.62	98.8	92.4	70.0-126			6.69	20
1,2,3-Trimethylbenzene	5.00	4.69	4.43	93.8	88.6	74.0-124			5.70	20
1,3,5-Trimethylbenzene	5.00	5.03	4.70	101	94.0	73.0-127			6.78	20
Vinyl acetate	25.0	24.6	22.3	98.4	89.2	43.0-159			9.81	20
Vinyl chloride	5.00	4.62	4.85	92.4	97.0	63.0-134			4.86	20
Xylenes, Total	15.0	15.5	14.6	103	97.3	72.0-127			5.98	20
(S) Toluene-d8				103	97.3	75.0-131				
(S) 4-Bromofluorobenzene				103	100	67.0-138				
(S) 1,2-Dichloroethane-d4				91.7	92.6	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

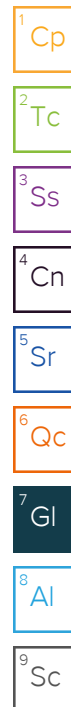
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
J	The identification of the analyte is acceptable; the reported value is an estimate.



ACCREDITATIONS & LOCATIONS

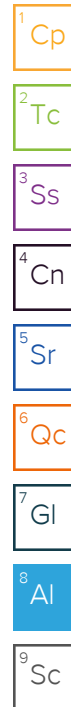
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Company Name/Address: PES Environmental, Inc.- WA 2101 Fourth Ave., Suite 1310 Seattle, WA 98121				Billing Information: Attn: Accounts Payable 2101 4th Avenue, Suite 1310 Seattle, WA 98121				Pres Chk				Analysis / Container / Preservative										Chain of Custody Page <u>1</u> of <u>1</u>			
Report to: Daniel Balbiani (ALP Q2)				Email To: <u>Sam.gruber@nv5.com</u> <u>jessica.babb@nv5.com, natalie.wisdom@nv5.co</u>				FEG, MNG 6020 250mlHDPE-HNO3 RSK175LL 40mlAmb-HCl SULFATE 9056 125mlHDPE-NoPres TOC 9060 250mlAmb-HCl V8260ULL 40mlAmb-HCl																 PEOPLE ADVANCING SCIENCE MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubs/pas-standard-terms.pdf	
Project Description: American Linen Q2 2024				City/State Collected: <u>Seattle, WA</u>		Please Circle: PT MT CT ET																			
Phone: 206-529-3980		Client Project # 443022-1413001.10.701.02		Lab Project # PESENVSWA-ALP																					
Collected by (print): <u>Devlin Del Giudice</u>		Site/Facility ID #		P.O. #																					
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #																					
Immediately Packed on Ice N ☐ Y ☒		Date Results Needed		No. of Cntrs																					
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time																			
MW112-052924		G	GW	-	5/29/24	1009	3																		
MW106-052924			GW	-		1324	3																		
EQ-052924			GW	-		1503	8	X	X	X	X	X											-01		
			GW															-02							
			GW															-03							
			GW																						
			GW																						
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			GW																						
			GW																						
			GW																						
			GW																						

* Matrix:

SS - Soil AIR - Air F - Filter

GW - Groundwater B - Bioassay

WW - WasteWater

DW - Drinking Water

OT - Other _____

Remarks:

Samples returned via:
☐ UPS ☐ FedEx ☐ Courier

Tracking # 7411 4519 3410

Relinquished by: (Signature)

Relinquished by: (Signature)

Relinquished by: (Signature)

Date: 5/29/24 Time: 1514

Date: Time:

Date: Time:

Received by: (Signature)

Received by: (Signature)

Received for lab by: (Signature)

pH _____ Temp _____

Flow _____ Other _____

Trip Blank Received: Yes ☒ No ☐

HCL / MeoH
TBR

Temp: °C Bottles Received: 4.17.13

Date: 5-1-24 Time: 9:00

Sample Receipt Checklist

COC Seal Present/Intact: NP ☒ N

COC Signed/Accurate: NP ☒ N

Bottles arrive intact: NP ☒ N

Correct bottles used: NP ☒ N

Sufficient volume sent: NP ☒ N

If Applicable

VOA Zero Headspace: NP ☒ N

Preservation Correct/Checked: NP ☒ N

RAD Screen <0.5 mR/hr: NP ☒ N

If preservation required by Login: Date/Time

Hold:

Condition: NCF 108

July 05, 2024

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

PES Environmental, Inc.- WA

Sample Delivery Group: L1742410
Samples Received: 06/01/2024
Project Number: 443022-1413001.10
Description: American Linen Q2 2024

Report To: Daniel Balbiani
2101 Fourth Ave., Suite 1310
Seattle, WA 98121

Entire Report Reviewed By:



Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

TABLE OF CONTENTS

Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	4
Sr: Sample Results	5
HMW-9IB-052924 L1742410-01	5
MW-347-052924 L1742410-02	7
MW-350-052924 L1742410-03	9
Qc: Quality Control Summary	11
Wet Chemistry by Method 9056A	11
Wet Chemistry by Method 9060A	12
Metals (ICPMS) by Method 6020B	13
Volatile Organic Compounds (GC) by Method RSK175	14
Volatile Organic Compounds (GC/MS) by Method 8260D	17
Gl: Glossary of Terms	21
Al: Accreditations & Locations	22
Sc: Sample Chain of Custody	23

¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Sr
⁶ Qc
⁷ Gl
⁸ Al
⁹ Sc

SAMPLE SUMMARY

HMW-9IB-052924 L1742410-01 GW

Collected by
Devlin Del Giudice

Collected date/time
05/29/24 13:35

Received date/time
06/01/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2310843	1	06/28/24 04:27	06/28/24 04:27	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2307289	1	06/19/24 21:57	06/19/24 21:57	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2308019	1	06/20/24 00:33	07/03/24 17:26	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2300079	1	06/09/24 11:59	06/09/24 11:59	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2301834	10	06/09/24 18:38	06/09/24 18:38	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2301894	1	06/10/24 06:22	06/10/24 06:22	JBE	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

MW-347-052924 L1742410-02 GW

Collected by
Devlin Del Giudice

Collected date/time
05/29/24 10:50

Received date/time
06/01/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2310843	1	06/28/24 04:43	06/28/24 04:43	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2307289	1	06/19/24 22:11	06/19/24 22:11	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2308019	1	06/20/24 00:33	07/03/24 17:30	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2300079	1	06/09/24 12:05	06/09/24 12:05	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2301834	10	06/09/24 18:41	06/09/24 18:41	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2301894	1	06/10/24 06:42	06/10/24 06:42	JBE	Mt. Juliet, TN

MW-350-052924 L1742410-03 GW

Collected by
Devlin Del Giudice

Collected date/time
05/29/24 12:05

Received date/time
06/01/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2310843	1	06/28/24 04:59	06/28/24 04:59	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2307289	1	06/19/24 22:24	06/19/24 22:24	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2308019	1	06/20/24 00:33	07/03/24 17:33	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2300079	1	06/09/24 12:12	06/09/24 12:12	CCM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2301894	1	06/10/24 07:01	06/10/24 07:01	JBE	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jared Starkey
Project Manager



Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	U		594	5000	1	06/28/2024 04:27	WG2310843

¹ Cp

² Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	4720		102	1000	1	06/19/2024 21:57	WG2307289

³ Ss

⁴ Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	9220		28.1	100	1	07/03/2024 17:26	WG2308019
Manganese	1430		0.704	5.00	1	07/03/2024 17:26	WG2308019

⁵ Sr

⁶ Qc

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	19400		2.87	6.78	10	06/09/2024 18:38	WG2301834
Ethane	239		0.296	1.29	1	06/09/2024 11:59	WG2300079
Ethene	U		0.422	1.27	1	06/09/2024 11:59	WG2300079

⁷ Gl

⁸ Al

⁹ Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	5.27		0.548	1.00	1	06/10/2024 06:22	WG2301894
Acrylonitrile	U		0.0760	0.500	1	06/10/2024 06:22	WG2301894
Benzene	U		0.0160	0.0400	1	06/10/2024 06:22	WG2301894
Bromobenzene	U		0.0420	0.500	1	06/10/2024 06:22	WG2301894
Bromochloromethane	U		0.0452	0.200	1	06/10/2024 06:22	WG2301894
Bromodichloromethane	U		0.0315	0.100	1	06/10/2024 06:22	WG2301894
Bromoform	U		0.239	1.00	1	06/10/2024 06:22	WG2301894
Bromomethane	U	C3	0.148	0.500	1	06/10/2024 06:22	WG2301894
n-Butylbenzene	U		0.153	0.500	1	06/10/2024 06:22	WG2301894
sec-Butylbenzene	U		0.101	0.500	1	06/10/2024 06:22	WG2301894
tert-Butylbenzene	U		0.0620	0.200	1	06/10/2024 06:22	WG2301894
Carbon disulfide	U		0.162	0.500	1	06/10/2024 06:22	WG2301894
Carbon tetrachloride	U		0.0432	0.200	1	06/10/2024 06:22	WG2301894
Chlorobenzene	U		0.0229	0.100	1	06/10/2024 06:22	WG2301894
Chlorodibromomethane	U		0.0180	0.100	1	06/10/2024 06:22	WG2301894
Chloroethane	U		0.0432	0.200	1	06/10/2024 06:22	WG2301894
Chloroform	U		0.0166	0.100	1	06/10/2024 06:22	WG2301894
Chloromethane	U		0.0556	0.500	1	06/10/2024 06:22	WG2301894
2-Chlorotoluene	U		0.0368	0.100	1	06/10/2024 06:22	WG2301894
4-Chlorotoluene	U		0.0452	0.200	1	06/10/2024 06:22	WG2301894
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	06/10/2024 06:22	WG2301894
1,2-Dibromoethane	U		0.0210	0.100	1	06/10/2024 06:22	WG2301894
Dibromomethane	U		0.0400	0.200	1	06/10/2024 06:22	WG2301894
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/10/2024 06:22	WG2301894
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/10/2024 06:22	WG2301894
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/10/2024 06:22	WG2301894
trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	06/10/2024 06:22	WG2301894
Dichlorodifluoromethane	U		0.0327	0.200	1	06/10/2024 06:22	WG2301894
1,1-Dichloroethane	U		0.0230	0.100	1	06/10/2024 06:22	WG2301894
1,2-Dichloroethane	0.191		0.0190	0.100	1	06/10/2024 06:22	WG2301894
1,1-Dichloroethene	U		0.0200	0.100	1	06/10/2024 06:22	WG2301894

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	5.99		0.0276	0.100	1	06/10/2024 06:22	WG2301894
trans-1,2-Dichloroethene	1.79		0.0572	0.200	1	06/10/2024 06:22	WG2301894
1,2-Dichloropropane	U		0.0508	0.200	1	06/10/2024 06:22	WG2301894
1,1-Dichloropropene	U		0.0280	0.100	1	06/10/2024 06:22	WG2301894
1,3-Dichloropropane	U		0.0700	0.200	1	06/10/2024 06:22	WG2301894
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/10/2024 06:22	WG2301894
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/10/2024 06:22	WG2301894
2,2-Dichloropropane	U		0.0317	0.100	1	06/10/2024 06:22	WG2301894
Di-isopropyl ether	0.0540		0.0140	0.0400	1	06/10/2024 06:22	WG2301894
Ethylbenzene	U		0.0212	0.100	1	06/10/2024 06:22	WG2301894
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/10/2024 06:22	WG2301894
2-Hexanone	U		0.400	1.00	1	06/10/2024 06:22	WG2301894
n-Hexane	U		0.0424	0.200	1	06/10/2024 06:22	WG2301894
Iodomethane	U		0.242	0.500	1	06/10/2024 06:22	WG2301894
Isopropylbenzene	U		0.0345	0.100	1	06/10/2024 06:22	WG2301894
p-Isopropyltoluene	U		0.0932	0.200	1	06/10/2024 06:22	WG2301894
2-Butanone (MEK)	U		0.500	1.00	1	06/10/2024 06:22	WG2301894
Methylene Chloride	0.284	U	0.265	1.00	1	06/10/2024 06:22	WG2301894
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/10/2024 06:22	WG2301894
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/10/2024 06:22	WG2301894
Naphthalene	U		0.124	0.500	1	06/10/2024 06:22	WG2301894
n-Propylbenzene	U		0.0472	0.200	1	06/10/2024 06:22	WG2301894
Styrene	U		0.109	0.500	1	06/10/2024 06:22	WG2301894
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/10/2024 06:22	WG2301894
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/10/2024 06:22	WG2301894
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/10/2024 06:22	WG2301894
Tetrachloroethene	U		0.0280	0.100	1	06/10/2024 06:22	WG2301894
Toluene	0.0520	U	0.0500	0.200	1	06/10/2024 06:22	WG2301894
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/10/2024 06:22	WG2301894
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/10/2024 06:22	WG2301894
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/10/2024 06:22	WG2301894
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/10/2024 06:22	WG2301894
Trichloroethene	0.162		0.0160	0.0400	1	06/10/2024 06:22	WG2301894
Trichlorofluoromethane	U		0.0200	0.100	1	06/10/2024 06:22	WG2301894
1,2,3-Trichloropropane	U		0.204	0.500	1	06/10/2024 06:22	WG2301894
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/10/2024 06:22	WG2301894
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/10/2024 06:22	WG2301894
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/10/2024 06:22	WG2301894
Vinyl acetate	U		0.141	0.500	1	06/10/2024 06:22	WG2301894
Vinyl chloride	3.55		0.0273	0.100	1	06/10/2024 06:22	WG2301894
Xylenes, Total	U		0.191	0.260	1	06/10/2024 06:22	WG2301894
(S) Toluene-d8	99.3			75.0-131		06/10/2024 06:22	WG2301894
(S) 4-Bromofluorobenzene	101			67.0-138		06/10/2024 06:22	WG2301894
(S) 1,2-Dichloroethane-d4	94.3			70.0-130		06/10/2024 06:22	WG2301894

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	15300		594	5000	1	06/28/2024 04:43	WG2310843

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1810		102	1000	1	06/19/2024 22:11	WG2307289

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	205		28.1	100	1	07/03/2024 17:30	WG2308019
Manganese	89.1		0.704	5.00	1	07/03/2024 17:30	WG2308019

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	8170		2.87	6.78	10	06/09/2024 18:41	WG2301834
Ethane	99.1		0.296	1.29	1	06/09/2024 12:05	WG2300079
Ethene	71.0		0.422	1.27	1	06/09/2024 12:05	WG2300079

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	52.2		0.548	1.00	1	06/10/2024 06:42	WG2301894
Acrylonitrile	U		0.0760	0.500	1	06/10/2024 06:42	WG2301894
Benzene	0.0280	J	0.0160	0.0400	1	06/10/2024 06:42	WG2301894
Bromobenzene	U		0.0420	0.500	1	06/10/2024 06:42	WG2301894
Bromochloromethane	U		0.0452	0.200	1	06/10/2024 06:42	WG2301894
Bromodichloromethane	U		0.0315	0.100	1	06/10/2024 06:42	WG2301894
Bromoform	U		0.239	1.00	1	06/10/2024 06:42	WG2301894
Bromomethane	U	C3	0.148	0.500	1	06/10/2024 06:42	WG2301894
n-Butylbenzene	U		0.153	0.500	1	06/10/2024 06:42	WG2301894
sec-Butylbenzene	U		0.101	0.500	1	06/10/2024 06:42	WG2301894
tert-Butylbenzene	U		0.0620	0.200	1	06/10/2024 06:42	WG2301894
Carbon disulfide	0.476	J	0.162	0.500	1	06/10/2024 06:42	WG2301894
Carbon tetrachloride	U		0.0432	0.200	1	06/10/2024 06:42	WG2301894
Chlorobenzene	U		0.0229	0.100	1	06/10/2024 06:42	WG2301894
Chlorodibromomethane	U		0.0180	0.100	1	06/10/2024 06:42	WG2301894
Chloroethane	U		0.0432	0.200	1	06/10/2024 06:42	WG2301894
Chloroform	U		0.0166	0.100	1	06/10/2024 06:42	WG2301894
Chloromethane	U		0.0556	0.500	1	06/10/2024 06:42	WG2301894
2-Chlorotoluene	U		0.0368	0.100	1	06/10/2024 06:42	WG2301894
4-Chlorotoluene	U		0.0452	0.200	1	06/10/2024 06:42	WG2301894
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	06/10/2024 06:42	WG2301894
1,2-Dibromoethane	U		0.0210	0.100	1	06/10/2024 06:42	WG2301894
Dibromomethane	U		0.0400	0.200	1	06/10/2024 06:42	WG2301894
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/10/2024 06:42	WG2301894
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/10/2024 06:42	WG2301894
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/10/2024 06:42	WG2301894
trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	06/10/2024 06:42	WG2301894
Dichlorodifluoromethane	U		0.0327	0.200	1	06/10/2024 06:42	WG2301894
1,1-Dichloroethane	U		0.0230	0.100	1	06/10/2024 06:42	WG2301894
1,2-Dichloroethane	U		0.0190	0.100	1	06/10/2024 06:42	WG2301894
1,1-Dichloroethene	U		0.0200	0.100	1	06/10/2024 06:42	WG2301894

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	3.46		0.0276	0.100	1	06/10/2024 06:42	WG2301894
trans-1,2-Dichloroethene	0.0630	<u>J</u>	0.0572	0.200	1	06/10/2024 06:42	WG2301894
1,2-Dichloropropane	U		0.0508	0.200	1	06/10/2024 06:42	WG2301894
1,1-Dichloropropene	U		0.0280	0.100	1	06/10/2024 06:42	WG2301894
1,3-Dichloropropane	U		0.0700	0.200	1	06/10/2024 06:42	WG2301894
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/10/2024 06:42	WG2301894
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/10/2024 06:42	WG2301894
2,2-Dichloropropane	U		0.0317	0.100	1	06/10/2024 06:42	WG2301894
Di-isopropyl ether	U		0.0140	0.0400	1	06/10/2024 06:42	WG2301894
Ethylbenzene	U		0.0212	0.100	1	06/10/2024 06:42	WG2301894
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/10/2024 06:42	WG2301894
2-Hexanone	U		0.400	1.00	1	06/10/2024 06:42	WG2301894
n-Hexane	U		0.0424	0.200	1	06/10/2024 06:42	WG2301894
Iodomethane	U		0.242	0.500	1	06/10/2024 06:42	WG2301894
Isopropylbenzene	U		0.0345	0.100	1	06/10/2024 06:42	WG2301894
p-Isopropyltoluene	U		0.0932	0.200	1	06/10/2024 06:42	WG2301894
2-Butanone (MEK)	U		0.500	1.00	1	06/10/2024 06:42	WG2301894
Methylene Chloride	U		0.265	1.00	1	06/10/2024 06:42	WG2301894
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/10/2024 06:42	WG2301894
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/10/2024 06:42	WG2301894
Naphthalene	U		0.124	0.500	1	06/10/2024 06:42	WG2301894
n-Propylbenzene	U		0.0472	0.200	1	06/10/2024 06:42	WG2301894
Styrene	U		0.109	0.500	1	06/10/2024 06:42	WG2301894
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/10/2024 06:42	WG2301894
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/10/2024 06:42	WG2301894
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/10/2024 06:42	WG2301894
Tetrachloroethene	0.143	<u>C5</u>	0.0280	0.100	1	06/10/2024 06:42	WG2301894
Toluene	U		0.0500	0.200	1	06/10/2024 06:42	WG2301894
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/10/2024 06:42	WG2301894
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/10/2024 06:42	WG2301894
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/10/2024 06:42	WG2301894
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/10/2024 06:42	WG2301894
Trichloroethene	0.476		0.0160	0.0400	1	06/10/2024 06:42	WG2301894
Trichlorofluoromethane	U		0.0200	0.100	1	06/10/2024 06:42	WG2301894
1,2,3-Trichloropropane	U		0.204	0.500	1	06/10/2024 06:42	WG2301894
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/10/2024 06:42	WG2301894
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/10/2024 06:42	WG2301894
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/10/2024 06:42	WG2301894
Vinyl acetate	U		0.141	0.500	1	06/10/2024 06:42	WG2301894
Vinyl chloride	10.7		0.0273	0.100	1	06/10/2024 06:42	WG2301894
Xylenes, Total	U		0.191	0.260	1	06/10/2024 06:42	WG2301894
(S) Toluene-d8	100			75.0-131		06/10/2024 06:42	WG2301894
(S) 4-Bromofluorobenzene	102			67.0-138		06/10/2024 06:42	WG2301894
(S) 1,2-Dichloroethane-d4	94.0			70.0-130		06/10/2024 06:42	WG2301894

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	1980	J	594	5000	1	06/28/2024 04:59	WG2310843

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	462	J	102	1000	1	06/19/2024 22:24	WG2307289

Metals (ICPMS) by Method 6020B

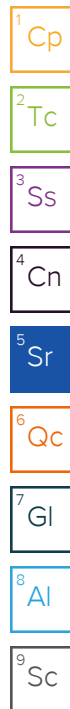
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	685		28.1	100	1	07/03/2024 17:33	WG2308019
Manganese	38.0		0.704	5.00	1	07/03/2024 17:33	WG2308019

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	U		0.287	0.678	1	06/09/2024 12:12	WG2300079
Ethane	U		0.296	1.29	1	06/09/2024 12:12	WG2300079
Ethene	U		0.422	1.27	1	06/09/2024 12:12	WG2300079

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	06/10/2024 07:01	WG2301894
Acrylonitrile	U		0.0760	0.500	1	06/10/2024 07:01	WG2301894
Benzene	U		0.0160	0.0400	1	06/10/2024 07:01	WG2301894
Bromobenzene	U		0.0420	0.500	1	06/10/2024 07:01	WG2301894
Bromochloromethane	U		0.0452	0.200	1	06/10/2024 07:01	WG2301894
Bromodichloromethane	U		0.0315	0.100	1	06/10/2024 07:01	WG2301894
Bromoform	U		0.239	1.00	1	06/10/2024 07:01	WG2301894
Bromomethane	U	C3	0.148	0.500	1	06/10/2024 07:01	WG2301894
n-Butylbenzene	U		0.153	0.500	1	06/10/2024 07:01	WG2301894
sec-Butylbenzene	U		0.101	0.500	1	06/10/2024 07:01	WG2301894
tert-Butylbenzene	U		0.0620	0.200	1	06/10/2024 07:01	WG2301894
Carbon disulfide	U		0.162	0.500	1	06/10/2024 07:01	WG2301894
Carbon tetrachloride	U		0.0432	0.200	1	06/10/2024 07:01	WG2301894
Chlorobenzene	U		0.0229	0.100	1	06/10/2024 07:01	WG2301894
Chlorodibromomethane	U		0.0180	0.100	1	06/10/2024 07:01	WG2301894
Chloroethane	U		0.0432	0.200	1	06/10/2024 07:01	WG2301894
Chloroform	U		0.0166	0.100	1	06/10/2024 07:01	WG2301894
Chloromethane	U		0.0556	0.500	1	06/10/2024 07:01	WG2301894
2-Chlorotoluene	U		0.0368	0.100	1	06/10/2024 07:01	WG2301894
4-Chlorotoluene	U		0.0452	0.200	1	06/10/2024 07:01	WG2301894
1,2-Dibromo-3-Chloropropane	U	C3	0.204	1.00	1	06/10/2024 07:01	WG2301894
1,2-Dibromoethane	U		0.0210	0.100	1	06/10/2024 07:01	WG2301894
Dibromomethane	U		0.0400	0.200	1	06/10/2024 07:01	WG2301894
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/10/2024 07:01	WG2301894
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/10/2024 07:01	WG2301894
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/10/2024 07:01	WG2301894
trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	06/10/2024 07:01	WG2301894
Dichlorodifluoromethane	U		0.0327	0.200	1	06/10/2024 07:01	WG2301894
1,1-Dichloroethane	U		0.0230	0.100	1	06/10/2024 07:01	WG2301894
1,2-Dichloroethane	U		0.0190	0.100	1	06/10/2024 07:01	WG2301894
1,1-Dichloroethene	U		0.0200	0.100	1	06/10/2024 07:01	WG2301894



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/10/2024 07:01	WG2301894
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/10/2024 07:01	WG2301894
1,2-Dichloropropane	U		0.0508	0.200	1	06/10/2024 07:01	WG2301894
1,1-Dichloropropene	U		0.0280	0.100	1	06/10/2024 07:01	WG2301894
1,3-Dichloropropane	U		0.0700	0.200	1	06/10/2024 07:01	WG2301894
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/10/2024 07:01	WG2301894
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/10/2024 07:01	WG2301894
2,2-Dichloropropane	U		0.0317	0.100	1	06/10/2024 07:01	WG2301894
Di-isopropyl ether	U		0.0140	0.0400	1	06/10/2024 07:01	WG2301894
Ethylbenzene	U		0.0212	0.100	1	06/10/2024 07:01	WG2301894
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/10/2024 07:01	WG2301894
2-Hexanone	U		0.400	1.00	1	06/10/2024 07:01	WG2301894
n-Hexane	U		0.0424	0.200	1	06/10/2024 07:01	WG2301894
Iodomethane	U		0.242	0.500	1	06/10/2024 07:01	WG2301894
Isopropylbenzene	U		0.0345	0.100	1	06/10/2024 07:01	WG2301894
p-Isopropyltoluene	U		0.0932	0.200	1	06/10/2024 07:01	WG2301894
2-Butanone (MEK)	U		0.500	1.00	1	06/10/2024 07:01	WG2301894
Methylene Chloride	U		0.265	1.00	1	06/10/2024 07:01	WG2301894
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/10/2024 07:01	WG2301894
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/10/2024 07:01	WG2301894
Naphthalene	U		0.124	0.500	1	06/10/2024 07:01	WG2301894
n-Propylbenzene	U		0.0472	0.200	1	06/10/2024 07:01	WG2301894
Styrene	U		0.109	0.500	1	06/10/2024 07:01	WG2301894
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/10/2024 07:01	WG2301894
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/10/2024 07:01	WG2301894
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/10/2024 07:01	WG2301894
Tetrachloroethene	U		0.0280	0.100	1	06/10/2024 07:01	WG2301894
Toluene	U		0.0500	0.200	1	06/10/2024 07:01	WG2301894
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/10/2024 07:01	WG2301894
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/10/2024 07:01	WG2301894
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/10/2024 07:01	WG2301894
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/10/2024 07:01	WG2301894
Trichloroethene	U		0.0160	0.0400	1	06/10/2024 07:01	WG2301894
Trichlorofluoromethane	U		0.0200	0.100	1	06/10/2024 07:01	WG2301894
1,2,3-Trichloropropane	U		0.204	0.500	1	06/10/2024 07:01	WG2301894
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/10/2024 07:01	WG2301894
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/10/2024 07:01	WG2301894
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/10/2024 07:01	WG2301894
Vinyl acetate	U		0.141	0.500	1	06/10/2024 07:01	WG2301894
Vinyl chloride	U		0.0273	0.100	1	06/10/2024 07:01	WG2301894
Xylenes, Total	U		0.191	0.260	1	06/10/2024 07:01	WG2301894
(S) Toluene-d8	98.6			75.0-131		06/10/2024 07:01	WG2301894
(S) 4-Bromofluorobenzene	103			67.0-138		06/10/2024 07:01	WG2301894
(S) 1,2-Dichloroethane-d4	95.1			70.0-130		06/10/2024 07:01	WG2301894

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4087713-1 06/27/24 20:30

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Sulfate	U		594	5000

L1742271-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1742271-10 06/28/24 00:28 • (DUP) R4087713-3 06/28/24 00:44

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Sulfate	5560	5570	1	0.117		15

L1742271-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1742271-11 06/28/24 01:32 • (DUP) R4087713-6 06/28/24 01:48

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Sulfate	5570	5600	1	0.501		15

Laboratory Control Sample (LCS)

(LCS) R4087713-2 06/27/24 20:45

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Sulfate	40000	38900	97.3	80.0-120	

L1742271-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1742271-10 06/28/24 00:28 • (MS) R4087713-4 06/28/24 01:00 • (MSD) R4087713-5 06/28/24 01:16

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Sulfate	40000	5560	42800	42900	93.1	93.3	1	80.0-120			0.224	15

L1742271-11 Original Sample (OS) • Matrix Spike (MS)

(OS) L1742271-11 06/28/24 01:32 • (MS) R4087713-7 06/28/24 02:04

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	ug/l	ug/l	ug/l	%		%	
Sulfate	40000	5570	44000	96.1	1	80.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4084215-2 06/19/24 20:32

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
TOC (Total Organic Carbon)	U		102	1000

L1742592-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1742592-01 06/19/24 22:38 • (DUP) R4084215-3 06/19/24 22:52

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	1740	1730	1	0.231		20

L1742759-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1742759-03 06/20/24 01:46 • (DUP) R4084215-6 06/20/24 01:59

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	545	501	1	8.49	⬇	20

Laboratory Control Sample (LCS)

(LCS) R4084215-1 06/19/24 20:20

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
TOC (Total Organic Carbon)	25000	24000	96.2	85.0-115	

L1742759-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1742759-02 06/20/24 00:30 • (MS) R4084215-4 06/20/24 00:47 • (MSD) R4084215-5 06/20/24 01:04

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
TOC (Total Organic Carbon)	25000	1360	24300	24700	91.6	93.3	1	85.0-115			1.76	20

L1742759-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1742759-04 06/20/24 02:12 • (MS) R4084215-7 06/20/24 02:30 • (MSD) R4084215-8 06/20/24 02:47

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
TOC (Total Organic Carbon)	25000	878	24100	23700	92.7	91.3	1	85.0-115			1.47	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4089915-1 07/03/24 16:34

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Iron	U		28.1	100
Manganese	U		0.704	5.00

Laboratory Control Sample (LCS)

(LCS) R4089915-2 07/03/24 16:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Iron	1000	1060	106	80.0-120	
Manganese	50.0	51.1	102	80.0-120	

L1742401-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1742401-01 07/03/24 16:41 • (MS) R4089915-4 07/03/24 16:47 • (MSD) R4089915-5 07/03/24 16:51

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Iron	1000	61.6	1140	1110	108	105	1	75.0-125			2.91	20
Manganese	50.0	35.4	88.5	86.7	106	103	1	75.0-125			2.11	20

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4079236-2 06/09/24 11:50

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Methane	U		0.287	0.678
Ethane	U		0.296	1.29
Ethene	U		0.422	1.27

L1742412-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1742412-01 06/09/24 12:16 • (DUP) R4079236-3 06/09/24 14:29

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	U	U	1	0.000		20
Ethane	U	U	1	0.000		20
Ethene	U	U	1	0.000		20

L1742759-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1742759-03 06/09/24 14:33 • (DUP) R4079236-4 06/09/24 17:16

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	U	U	1	0.000		20
Ethane	U	U	1	0.000		20
Ethene	U	U	1	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4079236-1 06/09/24 11:47 • (LCSD) R4079236-7 06/09/24 17:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methane	67.8	64.5	61.2	95.1	90.3	85.0-115			5.25	20
Ethane	129	121	117	93.8	90.7	85.0-115			3.36	20
Ethene	127	121	117	95.3	92.1	85.0-115			3.36	20

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

L1742759-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1742759-02 06/09/24 14:24 • (MS) R4079236-5 06/09/24 17:21 • (MSD) R4079236-6 06/09/24 17:28

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Methane	67.8	26.1	95.0	97.1	102	105	1	85.0-115			2.19	20
Ethane	129	U	153	151	119	117	1	85.0-115	J5	J5	1.32	20
Ethene	127	58.4	202	200	113	111	1	85.0-115			0.995	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4079261-2 06/09/24 18:35

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Methane	U		0.287	0.678

L1742787-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1742787-01 06/09/24 18:52 • (DUP) R4079261-3 06/09/24 19:34

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Methane	30100	32200	10	6.74		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4079261-1 06/09/24 18:31 • (LCSD) R4079261-4 06/09/24 19:36

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	%	%	%			%	%
Methane	67.8	64.2	65.2	94.7	96.2	85.0-115			1.55	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4079623-3 06/10/24 03:06

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		0.548	1.00
Acrylonitrile	U		0.0760	0.500
Benzene	U		0.0160	0.0400
Bromobenzene	U		0.0420	0.500
Bromochloromethane	U		0.0452	0.200
Bromodichloromethane	U		0.0315	0.100
Bromoform	U		0.239	1.00
Bromomethane	U		0.148	0.500
n-Butylbenzene	U		0.153	0.500
sec-Butylbenzene	U		0.101	0.500
tert-Butylbenzene	U		0.0620	0.200
Carbon disulfide	U		0.162	0.500
Carbon tetrachloride	U		0.0432	0.200
Chlorobenzene	U		0.0229	0.100
Chlorodibromomethane	U		0.0180	0.100
Chloroethane	U		0.0432	0.200
Chloroform	U		0.0166	0.100
Chloromethane	U		0.0556	0.500
2-Chlorotoluene	U		0.0368	0.100
4-Chlorotoluene	U		0.0452	0.200
1,2-Dibromo-3-Chloropropane	U		0.204	1.00
1,2-Dibromoethane	U		0.0210	0.100
Dibromomethane	U		0.0400	0.200
1,2-Dichlorobenzene	U		0.0580	0.200
1,3-Dichlorobenzene	U		0.0680	0.200
1,4-Dichlorobenzene	U		0.0788	0.200
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
Dichlorodifluoromethane	U		0.0327	0.200
1,1-Dichloroethane	U		0.0230	0.100
1,2-Dichloroethane	U		0.0190	0.100
1,1-Dichloroethene	U		0.0200	0.100
cis-1,2-Dichloroethene	U		0.0276	0.100
trans-1,2-Dichloroethene	U		0.0572	0.200
1,2-Dichloropropane	U		0.0508	0.200
1,1-Dichloropropene	U		0.0280	0.100
1,3-Dichloropropane	U		0.0700	0.200
cis-1,3-Dichloropropene	U		0.0271	0.100
trans-1,3-Dichloropropene	U		0.0612	0.200
2,2-Dichloropropane	U		0.0317	0.100
Di-isopropyl ether	U		0.0140	0.0400

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4079623-3 06/10/24 03:06

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
2-Hexanone	U		0.400	1.00
n-Hexane	U		0.0424	0.200
Iodomethane	U		0.242	0.500
Isopropylbenzene	U		0.0345	0.100
p-Isopropyltoluene	U		0.0932	0.200
2-Butanone (MEK)	U		0.500	1.00
Methylene Chloride	U		0.265	1.00
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00
Methyl tert-butyl ether	U		0.0118	0.0400
Naphthalene	U		0.124	0.500
n-Propylbenzene	U		0.0472	0.200
Styrene	U		0.109	0.500
1,1,1,2-Tetrachloroethane	U		0.0200	0.100
1,1,2,2-Tetrachloroethane	U		0.0156	0.100
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100
Tetrachloroethene	U		0.0280	0.100
Toluene	U		0.0500	0.200
1,2,3-Trichlorobenzene	U		0.0250	0.500
1,2,4-Trichlorobenzene	U		0.193	0.500
1,1,1-Trichloroethane	U		0.0110	0.100
1,1,2-Trichloroethane	U		0.0353	0.100
Trichloroethene	U		0.0160	0.0400
Trichlorofluoromethane	U		0.0200	0.100
1,2,3-Trichloropropane	U		0.204	0.500
1,2,4-Trimethylbenzene	U		0.0464	0.200
1,2,3-Trimethylbenzene	U		0.0460	0.200
1,3,5-Trimethylbenzene	U		0.0432	0.200
Vinyl acetate	U		0.141	0.500
Vinyl chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
(S) Toluene-d8	101			75.0-131
(S) 4-Bromofluorobenzene	99.9			67.0-138
(S) 1,2-Dichloroethane-d4	93.8			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4079623-1 06/10/24 01:48 • (LCSD) R4079623-2 06/10/24 02:07

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Acetone	25.0	21.0	19.1	84.0	76.4	10.0-160			9.48	31
Acrylonitrile	25.0	24.6	23.8	98.4	95.2	45.0-153			3.31	22
Benzene	5.00	4.89	4.83	97.8	96.6	70.0-123			1.23	20
Bromobenzene	5.00	4.82	4.56	96.4	91.2	73.0-121			5.54	20
Bromochloromethane	5.00	5.08	5.04	102	101	77.0-128			0.791	20
Bromodichloromethane	5.00	4.72	4.49	94.4	89.8	73.0-121			4.99	20
Bromoform	5.00	4.75	4.65	95.0	93.0	64.0-132			2.13	20
Bromomethane	5.00	3.65	3.94	73.0	78.8	56.0-147			7.64	20
n-Butylbenzene	5.00	5.80	5.40	116	108	68.0-135			7.14	20
sec-Butylbenzene	5.00	4.96	4.74	99.2	94.8	74.0-130			4.54	20
tert-Butylbenzene	5.00	4.97	4.69	99.4	93.8	75.0-127			5.80	20
Carbon disulfide	5.00	5.16	5.19	103	104	56.0-133			0.580	20
Carbon tetrachloride	5.00	5.16	5.39	103	108	66.0-128			4.36	20
Chlorobenzene	5.00	5.30	4.97	106	99.4	76.0-128			6.43	20
Chlorodibromomethane	5.00	5.31	4.84	106	96.8	74.0-127			9.26	20
Chloroethane	5.00	4.33	4.55	86.6	91.0	61.0-134			4.95	20
Chloroform	5.00	4.84	4.91	96.8	98.2	72.0-123			1.44	20
Chloromethane	5.00	5.50	5.37	110	107	51.0-138			2.39	20
2-Chlorotoluene	5.00	4.81	4.57	96.2	91.4	75.0-124			5.12	20
4-Chlorotoluene	5.00	4.59	4.33	91.8	86.6	75.0-124			5.83	20
1,2-Dibromo-3-Chloropropane	5.00	3.72	3.83	74.4	76.6	59.0-130			2.91	20
1,2-Dibromoethane	5.00	5.02	4.63	100	92.6	74.0-128			8.08	20
Dibromomethane	5.00	5.02	4.77	100	95.4	75.0-122			5.11	20
1,2-Dichlorobenzene	5.00	4.82	4.77	96.4	95.4	76.0-124			1.04	20
1,3-Dichlorobenzene	5.00	5.20	4.93	104	98.6	76.0-125			5.33	20
1,4-Dichlorobenzene	5.00	4.86	4.64	97.2	92.8	77.0-121			4.63	20
trans-1,4-Dichloro-2-butene	5.00	2.94	2.75	58.8	55.0	45.0-143			6.68	20
Dichlorodifluoromethane	5.00	5.61	5.99	112	120	43.0-156			6.55	20
1,1-Dichloroethane	5.00	4.95	4.75	99.0	95.0	70.0-127			4.12	20
1,2-Dichloroethane	5.00	4.41	4.34	88.2	86.8	65.0-131			1.60	20
1,1-Dichloroethene	5.00	5.25	5.27	105	105	65.0-131			0.380	20
cis-1,2-Dichloroethene	5.00	5.30	5.27	106	105	73.0-125			0.568	20
trans-1,2-Dichloroethene	5.00	5.26	5.38	105	108	71.0-125			2.26	20
1,2-Dichloropropane	5.00	5.06	4.78	101	95.6	74.0-125			5.69	20
1,1-Dichloropropene	5.00	5.07	5.06	101	101	73.0-125			0.197	20
1,3-Dichloropropane	5.00	5.11	4.61	102	92.2	80.0-125			10.3	20
cis-1,3-Dichloropropene	5.00	5.13	4.86	103	97.2	76.0-127			5.41	20
trans-1,3-Dichloropropene	5.00	5.11	4.82	102	96.4	73.0-127			5.84	20
2,2-Dichloropropane	5.00	5.20	5.33	104	107	59.0-135			2.47	20
Di-isopropyl ether	5.00	5.07	5.02	101	100	60.0-136			0.991	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4079623-1 06/10/24 01:48 • (LCSD) R4079623-2 06/10/24 02:07

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Ethylbenzene	5.00	5.17	4.89	103	97.8	74.0-126			5.57	20
Hexachloro-1,3-butadiene	5.00	5.60	5.89	112	118	57.0-150			5.05	20
2-Hexanone	25.0	25.3	23.5	101	94.0	54.0-147			7.38	20
n-Hexane	5.00	5.66	5.57	113	111	55.0-137			1.60	20
Iodomethane	25.0	25.1	25.2	100	101	74.0-134			0.398	20
Isopropylbenzene	5.00	5.17	4.97	103	99.4	72.0-127			3.94	20
p-Isopropyltoluene	5.00	5.21	4.99	104	99.8	72.0-133			4.31	20
2-Butanone (MEK)	25.0	28.9	27.6	116	110	30.0-160			4.60	24
Methylene Chloride	5.00	5.05	5.06	101	101	68.0-123			0.198	20
4-Methyl-2-pentanone (MIBK)	25.0	24.9	23.0	99.6	92.0	56.0-143			7.93	20
Methyl tert-butyl ether	5.00	4.74	4.81	94.8	96.2	66.0-132			1.47	20
Naphthalene	5.00	4.50	4.53	90.0	90.6	59.0-130			0.664	20
n-Propylbenzene	5.00	4.72	4.42	94.4	88.4	74.0-126			6.56	20
Styrene	5.00	5.23	4.89	105	97.8	72.0-127			6.72	20
1,1,1,2-Tetrachloroethane	5.00	5.32	5.02	106	100	74.0-129			5.80	20
1,1,2,2-Tetrachloroethane	5.00	4.25	4.04	85.0	80.8	68.0-128			5.07	20
1,1,2-Trichlorotrifluoroethane	5.00	5.59	5.75	112	115	61.0-139			2.82	20
Tetrachloroethene	5.00	6.17	5.64	123	113	70.0-136			8.98	20
Toluene	5.00	5.04	4.66	101	93.2	75.0-121			7.84	20
1,2,3-Trichlorobenzene	5.00	5.08	4.84	102	96.8	59.0-139			4.84	20
1,2,4-Trichlorobenzene	5.00	5.11	5.06	102	101	62.0-137			0.983	20
1,1,1-Trichloroethane	5.00	5.30	5.29	106	106	69.0-126			0.189	20
1,1,2-Trichloroethane	5.00	5.39	4.94	108	98.8	78.0-123			8.71	20
Trichloroethene	5.00	5.01	4.87	100	97.4	76.0-126			2.83	20
Trichlorofluoromethane	5.00	5.67	5.89	113	118	61.0-142	U	U	3.81	20
1,2,3-Trichloropropane	5.00	4.39	4.35	87.8	87.0	67.0-129			0.915	20
1,2,4-Trimethylbenzene	5.00	4.94	4.62	98.8	92.4	70.0-126			6.69	20
1,2,3-Trimethylbenzene	5.00	4.69	4.43	93.8	88.6	74.0-124			5.70	20
1,3,5-Trimethylbenzene	5.00	5.03	4.70	101	94.0	73.0-127			6.78	20
Vinyl acetate	25.0	24.6	22.3	98.4	89.2	43.0-159			9.81	20
Vinyl chloride	5.00	4.62	4.85	92.4	97.0	63.0-134			4.86	20
Xylenes, Total	15.0	15.5	14.6	103	97.3	72.0-127			5.98	20
(S) Toluene-d8				103	97.3	75.0-131				
(S) 4-Bromofluorobenzene				103	100	67.0-138				
(S) 1,2-Dichloroethane-d4				91.7	92.6	70.0-130				

1

Cp

2

Tc

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Ss

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Cn

5

Sr

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Qc

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Gl

8

Al

9

Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

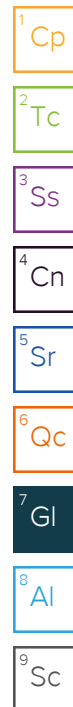
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C5	The reported concentration is an estimate. The continuing calibration standard associated with this data responded high. Data is likely to show a high bias concerning the result.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.



ACCREDITATIONS & LOCATIONS

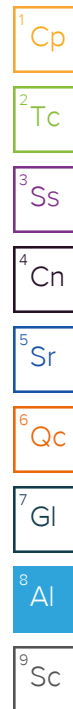
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



[illegible]

06/01-NCF-L1742410-PESENVSWA PM

Need to print

Time estimate: oh

Time spent: oh

Members



Paul Minnich (responsible)

- ☐ Parameter(s) past holding time
- ☐ Temperature not in range
- ☐ Improper container type
- ☐ pH not in range
- ☐ Insufficient sample volume
- ☐ Sample is biphasic
- ☐ Vials received with headspace
- ☒ Broken container
- ☒ Sufficient sample remains
- ☐ If broken container: Insufficient packing material around container
- ☐ If broken container: Insufficient packing material inside cooler
- ☐ If broken container: Improper handling by carrier: _____
- ☐ If broken container: Sample was frozen
- ☐ If broken container: Container lid not intact
- ☐ Client informed by Call
- ☐ Client informed by Email
- ☐ Client informed by Voicemail
- ☐ Date/Time: _____
- ☐ PM initials: _____
- ☐ Client Contact: _____

Comments

Paul Minnich

2 June 2024 1:16 AM

Samples -01 and -03 lost one vial each.

PES Environmental, Inc.- WA

Sample Delivery Group: L1743472
Samples Received: 06/05/2024
Project Number: 443022-1413001.10
Description: American Linen Q2 2024

Report To: Daniel Balbiani
2101 Fourth Ave., Suite 1310
Seattle, WA 98121

Entire Report Reviewed By:



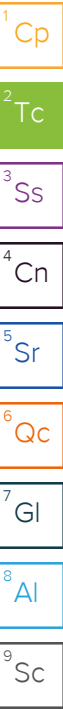
Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

TABLE OF CONTENTS

Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	4
Sr: Sample Results	5
MW-154-060424 L1743472-01	5
MW-147-060424 L1743472-02	7
TB-060424 L1743472-04	9
Qc: Quality Control Summary	11
Wet Chemistry by Method 9056A	11
Wet Chemistry by Method 9060A	12
Metals (ICPMS) by Method 6020B	13
Volatile Organic Compounds (GC) by Method RSK175	14
Volatile Organic Compounds (GC/MS) by Method 8260D	15
Gl: Glossary of Terms	19
Al: Accreditations & Locations	20
Sc: Sample Chain of Custody	21



SAMPLE SUMMARY

MW-154-060424 L1743472-01 GW

Collected by
Devlin Del Giudice

Collected date/time
06/04/24 11:02

Received date/time
06/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2302417	1	06/11/24 06:51	06/11/24 06:51	DWR	Mt. Juliet, TN

MW-147-060424 L1743472-02 GW

Collected by
Devlin Del Giudice

Collected date/time
06/04/24 12:38

Received date/time
06/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2311117	1	06/27/24 10:52	06/27/24 10:52	DLH	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2307924	1	06/20/24 23:44	06/20/24 23:44	SJF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2308022	1	06/20/24 00:38	07/02/24 21:21	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method RSK175	WG2302179	1	06/11/24 14:33	06/11/24 14:33	JAP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2302417	1	06/11/24 07:11	06/11/24 07:11	DWR	Mt. Juliet, TN

TB-060424 L1743472-04 GW

Collected by
Devlin Del Giudice

Collected date/time
06/04/24 00:00

Received date/time
06/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2302417	1	06/11/24 01:37	06/11/24 01:37	DWR	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

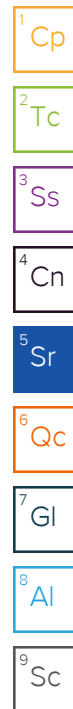


Jared Starkey
Project Manager

- ¹ Cp
- ² Tc
- ³ Ss
- ⁴ Cn
- ⁵ Sr
- ⁶ Qc
- ⁷ Gl
- ⁸ Al
- ⁹ Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	5.18		0.548	1.00	1	06/11/2024 06:51	WG2302417
Acrylonitrile	U		0.0760	0.500	1	06/11/2024 06:51	WG2302417
Benzene	U		0.0160	0.0400	1	06/11/2024 06:51	WG2302417
Bromobenzene	U		0.0420	0.500	1	06/11/2024 06:51	WG2302417
Bromochloromethane	U		0.0452	0.200	1	06/11/2024 06:51	WG2302417
Bromodichloromethane	U		0.0315	0.100	1	06/11/2024 06:51	WG2302417
Bromoform	U		0.239	1.00	1	06/11/2024 06:51	WG2302417
Bromomethane	U		0.148	0.500	1	06/11/2024 06:51	WG2302417
n-Butylbenzene	U		0.153	0.500	1	06/11/2024 06:51	WG2302417
sec-Butylbenzene	U		0.101	0.500	1	06/11/2024 06:51	WG2302417
tert-Butylbenzene	U		0.0620	0.200	1	06/11/2024 06:51	WG2302417
Carbon disulfide	U		0.162	0.500	1	06/11/2024 06:51	WG2302417
Carbon tetrachloride	U		0.0432	0.200	1	06/11/2024 06:51	WG2302417
Chlorobenzene	U		0.0229	0.100	1	06/11/2024 06:51	WG2302417
Chlorodibromomethane	U		0.0180	0.100	1	06/11/2024 06:51	WG2302417
Chloroethane	0.376		0.0432	0.200	1	06/11/2024 06:51	WG2302417
Chloroform	U		0.0166	0.100	1	06/11/2024 06:51	WG2302417
Chloromethane	U		0.0556	0.500	1	06/11/2024 06:51	WG2302417
2-Chlorotoluene	U		0.0368	0.100	1	06/11/2024 06:51	WG2302417
4-Chlorotoluene	U		0.0452	0.200	1	06/11/2024 06:51	WG2302417
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/11/2024 06:51	WG2302417
1,2-Dibromoethane	U		0.0210	0.100	1	06/11/2024 06:51	WG2302417
Dibromomethane	U		0.0400	0.200	1	06/11/2024 06:51	WG2302417
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/11/2024 06:51	WG2302417
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/11/2024 06:51	WG2302417
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/11/2024 06:51	WG2302417
trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	06/11/2024 06:51	WG2302417
Dichlorodifluoromethane	U		0.0327	0.200	1	06/11/2024 06:51	WG2302417
1,1-Dichloroethane	U		0.0230	0.100	1	06/11/2024 06:51	WG2302417
1,2-Dichloroethane	U		0.0190	0.100	1	06/11/2024 06:51	WG2302417
1,1-Dichloroethene	U		0.0200	0.100	1	06/11/2024 06:51	WG2302417
cis-1,2-Dichloroethene	7.62		0.0276	0.100	1	06/11/2024 06:51	WG2302417
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/11/2024 06:51	WG2302417
1,2-Dichloropropane	U		0.0508	0.200	1	06/11/2024 06:51	WG2302417
1,1-Dichloropropene	U		0.0280	0.100	1	06/11/2024 06:51	WG2302417
1,3-Dichloropropane	U		0.0700	0.200	1	06/11/2024 06:51	WG2302417
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/11/2024 06:51	WG2302417
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/11/2024 06:51	WG2302417
2,2-Dichloropropane	U		0.0317	0.100	1	06/11/2024 06:51	WG2302417
Di-isopropyl ether	U		0.0140	0.0400	1	06/11/2024 06:51	WG2302417
Ethylbenzene	U		0.0212	0.100	1	06/11/2024 06:51	WG2302417
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/11/2024 06:51	WG2302417
2-Hexanone	U		0.400	1.00	1	06/11/2024 06:51	WG2302417
n-Hexane	U		0.0424	0.200	1	06/11/2024 06:51	WG2302417
Iodomethane	U		0.242	0.500	1	06/11/2024 06:51	WG2302417
Isopropylbenzene	U		0.0345	0.100	1	06/11/2024 06:51	WG2302417
p-Isopropyltoluene	U		0.0932	0.200	1	06/11/2024 06:51	WG2302417
2-Butanone (MEK)	U		0.500	1.00	1	06/11/2024 06:51	WG2302417
Methylene Chloride	U		0.265	1.00	1	06/11/2024 06:51	WG2302417
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/11/2024 06:51	WG2302417
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/11/2024 06:51	WG2302417
Naphthalene	U		0.124	0.500	1	06/11/2024 06:51	WG2302417
n-Propylbenzene	U		0.0472	0.200	1	06/11/2024 06:51	WG2302417
Styrene	U		0.109	0.500	1	06/11/2024 06:51	WG2302417
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/11/2024 06:51	WG2302417
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/11/2024 06:51	WG2302417



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/11/2024 06:51	WG2302417
Tetrachloroethene	51.6		0.0280	0.100	1	06/11/2024 06:51	WG2302417
Toluene	U		0.0500	0.200	1	06/11/2024 06:51	WG2302417
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/11/2024 06:51	WG2302417
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/11/2024 06:51	WG2302417
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/11/2024 06:51	WG2302417
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/11/2024 06:51	WG2302417
Trichloroethene	5.58		0.0160	0.0400	1	06/11/2024 06:51	WG2302417
Trichlorofluoromethane	U		0.0200	0.100	1	06/11/2024 06:51	WG2302417
1,2,3-Trichloropropane	U		0.204	0.500	1	06/11/2024 06:51	WG2302417
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/11/2024 06:51	WG2302417
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/11/2024 06:51	WG2302417
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/11/2024 06:51	WG2302417
Vinyl acetate	U	C3	0.141	0.500	1	06/11/2024 06:51	WG2302417
Vinyl chloride	0.460		0.0273	0.100	1	06/11/2024 06:51	WG2302417
Xylenes, Total	U		0.191	0.260	1	06/11/2024 06:51	WG2302417
(S) Toluene-d8	102			75.0-131		06/11/2024 06:51	WG2302417
(S) 4-Bromofluorobenzene	103			67.0-138		06/11/2024 06:51	WG2302417
(S) 1,2-Dichloroethane-d4	93.9			70.0-130		06/11/2024 06:51	WG2302417

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Sulfate	26800		594	5000	1	06/27/2024 10:52	WG2311117

Wet Chemistry by Method 9060A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	4900		102	1000	1	06/20/2024 23:44	WG2307924

Metals (ICPMS) by Method 6020B

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Iron	3950		28.1	100	1	07/02/2024 21:21	WG2308022
Manganese	417		0.704	5.00	1	07/02/2024 21:21	WG2308022

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Methane	2370		0.287	0.678	1	06/11/2024 14:33	WG2302179
Ethane	15.2		0.296	1.29	1	06/11/2024 14:33	WG2302179
Ethene	91.7		0.422	1.27	1	06/11/2024 14:33	WG2302179

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

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Acetone	1.20		0.548	1.00	1	06/11/2024 07:11	WG2302417
Acrylonitrile	U		0.0760	0.500	1	06/11/2024 07:11	WG2302417
Benzene	U		0.0160	0.0400	1	06/11/2024 07:11	WG2302417
Bromobenzene	U		0.0420	0.500	1	06/11/2024 07:11	WG2302417
Bromochloromethane	U		0.0452	0.200	1	06/11/2024 07:11	WG2302417
Bromodichloromethane	U		0.0315	0.100	1	06/11/2024 07:11	WG2302417
Bromoform	U		0.239	1.00	1	06/11/2024 07:11	WG2302417
Bromomethane	U		0.148	0.500	1	06/11/2024 07:11	WG2302417
n-Butylbenzene	U		0.153	0.500	1	06/11/2024 07:11	WG2302417
sec-Butylbenzene	U		0.101	0.500	1	06/11/2024 07:11	WG2302417
tert-Butylbenzene	U		0.0620	0.200	1	06/11/2024 07:11	WG2302417
Carbon disulfide	U		0.162	0.500	1	06/11/2024 07:11	WG2302417
Carbon tetrachloride	U		0.0432	0.200	1	06/11/2024 07:11	WG2302417
Chlorobenzene	U		0.0229	0.100	1	06/11/2024 07:11	WG2302417
Chlorodibromomethane	U		0.0180	0.100	1	06/11/2024 07:11	WG2302417
Chloroethane	U		0.0432	0.200	1	06/11/2024 07:11	WG2302417
Chloroform	U		0.0166	0.100	1	06/11/2024 07:11	WG2302417
Chloromethane	U		0.0556	0.500	1	06/11/2024 07:11	WG2302417
2-Chlorotoluene	U		0.0368	0.100	1	06/11/2024 07:11	WG2302417
4-Chlorotoluene	U		0.0452	0.200	1	06/11/2024 07:11	WG2302417
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/11/2024 07:11	WG2302417
1,2-Dibromoethane	U		0.0210	0.100	1	06/11/2024 07:11	WG2302417
Dibromomethane	U		0.0400	0.200	1	06/11/2024 07:11	WG2302417
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/11/2024 07:11	WG2302417
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/11/2024 07:11	WG2302417
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/11/2024 07:11	WG2302417
trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	06/11/2024 07:11	WG2302417
Dichlorodifluoromethane	U		0.0327	0.200	1	06/11/2024 07:11	WG2302417
1,1-Dichloroethane	U		0.0230	0.100	1	06/11/2024 07:11	WG2302417
1,2-Dichloroethane	U		0.0190	0.100	1	06/11/2024 07:11	WG2302417
1,1-Dichloroethene	U		0.0200	0.100	1	06/11/2024 07:11	WG2302417

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	7.24		0.0276	0.100	1	06/11/2024 07:11	WG2302417
trans-1,2-Dichloroethene	0.124	<u>J</u>	0.0572	0.200	1	06/11/2024 07:11	WG2302417
1,2-Dichloropropane	U		0.0508	0.200	1	06/11/2024 07:11	WG2302417
1,1-Dichloropropene	U		0.0280	0.100	1	06/11/2024 07:11	WG2302417
1,3-Dichloropropane	U		0.0700	0.200	1	06/11/2024 07:11	WG2302417
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/11/2024 07:11	WG2302417
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/11/2024 07:11	WG2302417
2,2-Dichloropropane	U		0.0317	0.100	1	06/11/2024 07:11	WG2302417
Di-isopropyl ether	U		0.0140	0.0400	1	06/11/2024 07:11	WG2302417
Ethylbenzene	U		0.0212	0.100	1	06/11/2024 07:11	WG2302417
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/11/2024 07:11	WG2302417
2-Hexanone	U		0.400	1.00	1	06/11/2024 07:11	WG2302417
n-Hexane	U		0.0424	0.200	1	06/11/2024 07:11	WG2302417
Iodomethane	U		0.242	0.500	1	06/11/2024 07:11	WG2302417
Isopropylbenzene	U		0.0345	0.100	1	06/11/2024 07:11	WG2302417
p-Isopropyltoluene	U		0.0932	0.200	1	06/11/2024 07:11	WG2302417
2-Butanone (MEK)	U		0.500	1.00	1	06/11/2024 07:11	WG2302417
Methylene Chloride	U		0.265	1.00	1	06/11/2024 07:11	WG2302417
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/11/2024 07:11	WG2302417
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/11/2024 07:11	WG2302417
Naphthalene	U		0.124	0.500	1	06/11/2024 07:11	WG2302417
n-Propylbenzene	U		0.0472	0.200	1	06/11/2024 07:11	WG2302417
Styrene	U		0.109	0.500	1	06/11/2024 07:11	WG2302417
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/11/2024 07:11	WG2302417
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/11/2024 07:11	WG2302417
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/11/2024 07:11	WG2302417
Tetrachloroethene	U		0.0280	0.100	1	06/11/2024 07:11	WG2302417
Toluene	U		0.0500	0.200	1	06/11/2024 07:11	WG2302417
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/11/2024 07:11	WG2302417
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/11/2024 07:11	WG2302417
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/11/2024 07:11	WG2302417
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/11/2024 07:11	WG2302417
Trichloroethene	U		0.0160	0.0400	1	06/11/2024 07:11	WG2302417
Trichlorofluoromethane	U		0.0200	0.100	1	06/11/2024 07:11	WG2302417
1,2,3-Trichloropropane	U		0.204	0.500	1	06/11/2024 07:11	WG2302417
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/11/2024 07:11	WG2302417
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/11/2024 07:11	WG2302417
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/11/2024 07:11	WG2302417
Vinyl acetate	U	<u>C3</u>	0.141	0.500	1	06/11/2024 07:11	WG2302417
Vinyl chloride	14.2		0.0273	0.100	1	06/11/2024 07:11	WG2302417
Xylenes, Total	U		0.191	0.260	1	06/11/2024 07:11	WG2302417
(S) Toluene-d8	103			75.0-131		06/11/2024 07:11	WG2302417
(S) 4-Bromofluorobenzene	103			67.0-138		06/11/2024 07:11	WG2302417
(S) 1,2-Dichloroethane-d4	90.8			70.0-130		06/11/2024 07:11	WG2302417

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

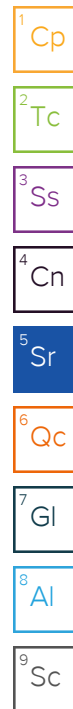
7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/11/2024 01:37	WG2302417
Acrylonitrile	U		0.0760	0.500	1	06/11/2024 01:37	WG2302417
Benzene	U		0.0160	0.0400	1	06/11/2024 01:37	WG2302417
Bromobenzene	U		0.0420	0.500	1	06/11/2024 01:37	WG2302417
Bromochloromethane	U		0.0452	0.200	1	06/11/2024 01:37	WG2302417
Bromodichloromethane	U		0.0315	0.100	1	06/11/2024 01:37	WG2302417
Bromoform	U		0.239	1.00	1	06/11/2024 01:37	WG2302417
Bromomethane	U		0.148	0.500	1	06/11/2024 01:37	WG2302417
n-Butylbenzene	U		0.153	0.500	1	06/11/2024 01:37	WG2302417
sec-Butylbenzene	U		0.101	0.500	1	06/11/2024 01:37	WG2302417
tert-Butylbenzene	U		0.0620	0.200	1	06/11/2024 01:37	WG2302417
Carbon disulfide	U		0.162	0.500	1	06/11/2024 01:37	WG2302417
Carbon tetrachloride	U		0.0432	0.200	1	06/11/2024 01:37	WG2302417
Chlorobenzene	U		0.0229	0.100	1	06/11/2024 01:37	WG2302417
Chlorodibromomethane	U		0.0180	0.100	1	06/11/2024 01:37	WG2302417
Chloroethane	U		0.0432	0.200	1	06/11/2024 01:37	WG2302417
Chloroform	U		0.0166	0.100	1	06/11/2024 01:37	WG2302417
Chloromethane	U		0.0556	0.500	1	06/11/2024 01:37	WG2302417
2-Chlorotoluene	U		0.0368	0.100	1	06/11/2024 01:37	WG2302417
4-Chlorotoluene	U		0.0452	0.200	1	06/11/2024 01:37	WG2302417
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/11/2024 01:37	WG2302417
1,2-Dibromoethane	U		0.0210	0.100	1	06/11/2024 01:37	WG2302417
Dibromomethane	U		0.0400	0.200	1	06/11/2024 01:37	WG2302417
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/11/2024 01:37	WG2302417
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/11/2024 01:37	WG2302417
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/11/2024 01:37	WG2302417
trans-1,4-Dichloro-2-butene	U	C3	0.0560	0.200	1	06/11/2024 01:37	WG2302417
Dichlorodifluoromethane	U		0.0327	0.200	1	06/11/2024 01:37	WG2302417
1,1-Dichloroethane	U		0.0230	0.100	1	06/11/2024 01:37	WG2302417
1,2-Dichloroethane	U		0.0190	0.100	1	06/11/2024 01:37	WG2302417
1,1-Dichloroethene	U		0.0200	0.100	1	06/11/2024 01:37	WG2302417
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/11/2024 01:37	WG2302417
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/11/2024 01:37	WG2302417
1,2-Dichloropropane	U		0.0508	0.200	1	06/11/2024 01:37	WG2302417
1,1-Dichloropropene	U		0.0280	0.100	1	06/11/2024 01:37	WG2302417
1,3-Dichloropropane	U		0.0700	0.200	1	06/11/2024 01:37	WG2302417
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/11/2024 01:37	WG2302417
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/11/2024 01:37	WG2302417
2,2-Dichloropropane	U		0.0317	0.100	1	06/11/2024 01:37	WG2302417
Di-isopropyl ether	U		0.0140	0.0400	1	06/11/2024 01:37	WG2302417
Ethylbenzene	U		0.0212	0.100	1	06/11/2024 01:37	WG2302417
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/11/2024 01:37	WG2302417
2-Hexanone	U		0.400	1.00	1	06/11/2024 01:37	WG2302417
n-Hexane	U		0.0424	0.200	1	06/11/2024 01:37	WG2302417
Iodomethane	U		0.242	0.500	1	06/11/2024 01:37	WG2302417
Isopropylbenzene	U		0.0345	0.100	1	06/11/2024 01:37	WG2302417
p-Isopropyltoluene	U		0.0932	0.200	1	06/11/2024 01:37	WG2302417
2-Butanone (MEK)	U		0.500	1.00	1	06/11/2024 01:37	WG2302417
Methylene Chloride	U		0.265	1.00	1	06/11/2024 01:37	WG2302417
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/11/2024 01:37	WG2302417
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/11/2024 01:37	WG2302417
Naphthalene	U		0.124	0.500	1	06/11/2024 01:37	WG2302417
n-Propylbenzene	U		0.0472	0.200	1	06/11/2024 01:37	WG2302417
Styrene	U		0.109	0.500	1	06/11/2024 01:37	WG2302417
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/11/2024 01:37	WG2302417
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/11/2024 01:37	WG2302417



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/11/2024 01:37	WG2302417
Tetrachloroethene	U		0.0280	0.100	1	06/11/2024 01:37	WG2302417
Toluene	U		0.0500	0.200	1	06/11/2024 01:37	WG2302417
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/11/2024 01:37	WG2302417
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/11/2024 01:37	WG2302417
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/11/2024 01:37	WG2302417
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/11/2024 01:37	WG2302417
Trichloroethene	U		0.0160	0.0400	1	06/11/2024 01:37	WG2302417
Trichlorofluoromethane	U		0.0200	0.100	1	06/11/2024 01:37	WG2302417
1,2,3-Trichloropropane	U		0.204	0.500	1	06/11/2024 01:37	WG2302417
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/11/2024 01:37	WG2302417
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/11/2024 01:37	WG2302417
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/11/2024 01:37	WG2302417
Vinyl acetate	U	C3	0.141	0.500	1	06/11/2024 01:37	WG2302417
Vinyl chloride	U		0.0273	0.100	1	06/11/2024 01:37	WG2302417
Xylenes, Total	U		0.191	0.260	1	06/11/2024 01:37	WG2302417
(S) Toluene-d8	101			75.0-131		06/11/2024 01:37	WG2302417
(S) 4-Bromofluorobenzene	115			67.0-138		06/11/2024 01:37	WG2302417
(S) 1,2-Dichloroethane-d4	91.1			70.0-130		06/11/2024 01:37	WG2302417

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4087920-1 06/27/24 08:49

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Sulfate	U		594	5000

L1743472-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1743472-02 06/27/24 10:52 • (DUP) R4087920-3 06/27/24 11:06

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Sulfate	26800	27100	1	1.15		15

L1749455-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1749455-04 06/27/24 20:23 • (DUP) R4087920-6 06/27/24 20:36

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Sulfate	123000	122000	1	0.788		15

Laboratory Control Sample (LCS)

(LCS) R4087920-2 06/27/24 09:02

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Sulfate	40000	37500	93.8	80.0-120	

L1743472-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1743472-02 06/27/24 10:52 • (MS) R4087920-4 06/27/24 11:19 • (MSD) R4087920-5 06/27/24 11:33

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Sulfate	40000	26800	62400	63600	88.9	92.0	1	80.0-120			1.98	15

L1749455-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1749455-04 06/27/24 20:23 • (MS) R4087920-7 06/27/24 20:50

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	ug/l	ug/l	ug/l	%		%	
Sulfate	40000	123000	136000	32.9	1	80.0-120	J6

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4084979-2 06/20/24 18:49

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
TOC (Total Organic Carbon)	U		102	1000

L1742118-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1742118-01 06/20/24 20:44 • (DUP) R4084979-3 06/20/24 20:23

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	7220	7260	1	0.580		20

L1743628-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1743628-01 06/21/24 01:37 • (DUP) R4084979-6 06/21/24 01:55

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
TOC (Total Organic Carbon)	285	307	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4084979-1 06/20/24 18:32

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
TOC (Total Organic Carbon)	25000	24800	99.4	85.0-115	

L1743005-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1743005-01 06/20/24 21:03 • (MS) R4084979-4 06/20/24 21:25 • (MSD) R4084979-5 06/20/24 21:47

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
TOC (Total Organic Carbon)	25000	3980	29800	29600	103	102	1	85.0-115			0.573	20

L1743628-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1743628-03 06/21/24 02:31 • (MS) R4084979-7 06/21/24 02:53 • (MSD) R4084979-8 06/21/24 03:15

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
TOC (Total Organic Carbon)	25000	678	26200	26500	102	103	1	85.0-115			1.22	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4089388-1 07/02/24 19:33

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Iron	U		28.1	100
Manganese	U		0.704	5.00

Laboratory Control Sample (LCS)

(LCS) R4089388-2 07/02/24 19:37

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Iron	1000	1010	101	80.0-120	
Manganese	50.0	51.2	102	80.0-120	

L1742863-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1742863-03 07/02/24 19:56 • (MS) R4089388-4 07/02/24 19:59 • (MSD) R4089388-5 07/02/24 20:02

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Iron	1000	606	1590	1610	98.0	101	1	75.0-125			1.69	20
Manganese	50.0	676	731	717	110	81.6	1	75.0-125			1.96	20

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Gl

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Al

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Method Blank (MB)

(MB) R4080249-2 06/11/24 14:21

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Methane	U		0.287	0.678
Ethane	U		0.296	1.29
Ethene	U		0.422	1.27

L1743623-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1743623-01 06/11/24 14:48 • (DUP) R4080249-3 06/11/24 15:05

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	U	U	1	0.000		20
Ethane	U	U	1	0.000		20
Ethene	U	U	1	0.000		20

L1743623-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1743623-06 06/11/24 15:08 • (DUP) R4080249-4 06/11/24 15:44

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Methane	U	U	1	0.000		20
Ethane	U	U	1	0.000		20
Ethene	U	U	1	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4080249-1 06/11/24 14:19 • (LCSD) R4080249-5 06/11/24 15:47

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methane	67.8	65.2	70.4	96.2	104	85.0-115			7.67	20
Ethane	129	122	123	94.6	95.3	85.0-115			0.816	20
Ethene	127	122	125	96.1	98.4	85.0-115			2.43	20

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Qc

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Method Blank (MB)

(MB) R4080144-3 06/11/24 00:16

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		0.548	1.00
Acrylonitrile	U		0.0760	0.500
Benzene	U		0.0160	0.0400
Bromobenzene	U		0.0420	0.500
Bromochloromethane	U		0.0452	0.200
Bromodichloromethane	U		0.0315	0.100
Bromoform	U		0.239	1.00
Bromomethane	U		0.148	0.500
n-Butylbenzene	U		0.153	0.500
sec-Butylbenzene	U		0.101	0.500
tert-Butylbenzene	U		0.0620	0.200
Carbon disulfide	U		0.162	0.500
Carbon tetrachloride	U		0.0432	0.200
Chlorobenzene	U		0.0229	0.100
Chlorodibromomethane	U		0.0180	0.100
Chloroethane	U		0.0432	0.200
Chloroform	U		0.0166	0.100
Chloromethane	U		0.0556	0.500
2-Chlorotoluene	U		0.0368	0.100
4-Chlorotoluene	U		0.0452	0.200
1,2-Dibromo-3-Chloropropane	U		0.204	1.00
1,2-Dibromoethane	U		0.0210	0.100
Dibromomethane	U		0.0400	0.200
1,2-Dichlorobenzene	U		0.0580	0.200
1,3-Dichlorobenzene	U		0.0680	0.200
1,4-Dichlorobenzene	U		0.0788	0.200
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
Dichlorodifluoromethane	U		0.0327	0.200
1,1-Dichloroethane	U		0.0230	0.100
1,2-Dichloroethane	U		0.0190	0.100
1,1-Dichloroethene	U		0.0200	0.100
cis-1,2-Dichloroethene	U		0.0276	0.100
trans-1,2-Dichloroethene	U		0.0572	0.200
1,2-Dichloropropane	U		0.0508	0.200
1,1-Dichloropropene	U		0.0280	0.100
1,3-Dichloropropane	U		0.0700	0.200
cis-1,3-Dichloropropene	U		0.0271	0.100
trans-1,3-Dichloropropene	U		0.0612	0.200
2,2-Dichloropropane	U		0.0317	0.100
Di-isopropyl ether	U		0.0140	0.0400

1
Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc

Method Blank (MB)

(MB) R4080144-3 06/11/24 00:16

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
2-Hexanone	U		0.400	1.00
n-Hexane	U		0.0424	0.200
Iodomethane	U		0.242	0.500
Isopropylbenzene	U		0.0345	0.100
p-Isopropyltoluene	U		0.0932	0.200
2-Butanone (MEK)	U		0.500	1.00
Methylene Chloride	U		0.265	1.00
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00
Methyl tert-butyl ether	U		0.0118	0.0400
Naphthalene	U		0.124	0.500
n-Propylbenzene	U		0.0472	0.200
Styrene	U		0.109	0.500
1,1,1,2-Tetrachloroethane	U		0.0200	0.100
1,1,2,2-Tetrachloroethane	U		0.0156	0.100
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100
Tetrachloroethene	U		0.0280	0.100
Toluene	U		0.0500	0.200
1,2,3-Trichlorobenzene	U		0.0250	0.500
1,2,4-Trichlorobenzene	U		0.193	0.500
1,1,1-Trichloroethane	U		0.0110	0.100
1,1,2-Trichloroethane	U		0.0353	0.100
Trichloroethene	U		0.0160	0.0400
Trichlorofluoromethane	U		0.0200	0.100
1,2,3-Trichloropropane	U		0.204	0.500
1,2,4-Trimethylbenzene	U		0.0464	0.200
1,2,3-Trimethylbenzene	U		0.0460	0.200
1,3,5-Trimethylbenzene	U		0.0432	0.200
Vinyl acetate	U		0.141	0.500
Vinyl chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
(S) Toluene-d8	101			75.0-131
(S) 4-Bromofluorobenzene	105			67.0-138
(S) 1,2-Dichloroethane-d4	92.5			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4080144-1 06/10/24 22:58 • (LCSD) R4080144-2 06/10/24 23:17

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Acetone	25.0	23.1	19.3	92.4	77.2	10.0-160			17.9	31
Acrylonitrile	25.0	24.1	26.2	96.4	105	45.0-153			8.35	22
Benzene	5.00	4.70	4.95	94.0	99.0	70.0-123			5.18	20
Bromobenzene	5.00	4.85	4.91	97.0	98.2	73.0-121			1.23	20
Bromochloromethane	5.00	5.26	5.49	105	110	77.0-128			4.28	20
Bromodichloromethane	5.00	4.73	5.04	94.6	101	73.0-121			6.35	20
Bromoform	5.00	5.34	5.33	107	107	64.0-132			0.187	20
Bromomethane	5.00	4.04	4.39	80.8	87.8	56.0-147			8.30	20
n-Butylbenzene	5.00	5.48	5.58	110	112	68.0-135			1.81	20
sec-Butylbenzene	5.00	4.83	5.10	96.6	102	74.0-130			5.44	20
tert-Butylbenzene	5.00	4.75	4.91	95.0	98.2	75.0-127			3.31	20
Carbon disulfide	5.00	5.07	5.30	101	106	56.0-133			4.44	20
Carbon tetrachloride	5.00	5.36	5.79	107	116	66.0-128			7.71	20
Chlorobenzene	5.00	5.30	5.38	106	108	76.0-128			1.50	20
Chlorodibromomethane	5.00	5.63	5.34	113	107	74.0-127			5.29	20
Chloroethane	5.00	4.33	4.48	86.6	89.6	61.0-134			3.41	20
Chloroform	5.00	4.94	5.22	98.8	104	72.0-123			5.51	20
Chloromethane	5.00	4.87	5.28	97.4	106	51.0-138			8.08	20
2-Chlorotoluene	5.00	4.85	4.97	97.0	99.4	75.0-124			2.44	20
4-Chlorotoluene	5.00	4.26	4.49	85.2	89.8	75.0-124			5.26	20
1,2-Dibromo-3-Chloropropane	5.00	4.36	4.58	87.2	91.6	59.0-130			4.92	20
1,2-Dibromoethane	5.00	5.30	5.11	106	102	74.0-128			3.65	20
Dibromomethane	5.00	5.21	5.24	104	105	75.0-122			0.574	20
1,2-Dichlorobenzene	5.00	5.05	5.12	101	102	76.0-124			1.38	20
1,3-Dichlorobenzene	5.00	5.12	5.20	102	104	76.0-125			1.55	20
1,4-Dichlorobenzene	5.00	4.84	4.97	96.8	99.4	77.0-121			2.65	20
trans-1,4-Dichloro-2-butene	5.00	3.27	3.37	65.4	67.4	45.0-143			3.01	20
Dichlorodifluoromethane	5.00	5.56	6.15	111	123	43.0-156			10.1	20
1,1-Dichloroethane	5.00	4.95	5.21	99.0	104	70.0-127			5.12	20
1,2-Dichloroethane	5.00	4.53	4.49	90.6	89.8	65.0-131			0.887	20
1,1-Dichloroethene	5.00	5.43	5.64	109	113	65.0-131			3.79	20
cis-1,2-Dichloroethene	5.00	5.49	5.62	110	112	73.0-125			2.34	20
trans-1,2-Dichloroethene	5.00	5.52	5.68	110	114	71.0-125			2.86	20
1,2-Dichloropropane	5.00	4.90	5.17	98.0	103	74.0-125			5.36	20
1,1-Dichloropropene	5.00	5.10	5.25	102	105	73.0-125			2.90	20
1,3-Dichloropropane	5.00	5.15	4.91	103	98.2	80.0-125			4.77	20
cis-1,3-Dichloropropene	5.00	4.83	4.98	96.6	99.6	76.0-127			3.06	20
trans-1,3-Dichloropropene	5.00	5.14	4.98	103	99.6	73.0-127			3.16	20
2,2-Dichloropropane	5.00	5.00	4.96	100	99.2	59.0-135			0.803	20
Di-isopropyl ether	5.00	5.10	5.03	102	101	60.0-136			1.38	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4080144-1 06/10/24 22:58 • (LCSD) R4080144-2 06/10/24 23:17

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	5.00	5.26	5.52	105	110	74.0-126			4.82	20
Hexachloro-1,3-butadiene	5.00	5.99	5.46	120	109	57.0-150			9.26	20
2-Hexanone	25.0	26.4	26.5	106	106	54.0-147			0.378	20
n-Hexane	5.00	5.06	5.31	101	106	55.0-137			4.82	20
Iodomethane	25.0	26.0	27.2	104	109	74.0-134			4.51	20
Isopropylbenzene	5.00	5.57	5.68	111	114	72.0-127			1.96	20
p-Isopropyltoluene	5.00	5.02	5.23	100	105	72.0-133			4.10	20
2-Butanone (MEK)	25.0	26.7	25.0	107	100	30.0-160			6.58	24
Methylene Chloride	5.00	5.21	5.54	104	111	68.0-123			6.14	20
4-Methyl-2-pentanone (MIBK)	25.0	25.2	24.8	101	99.2	56.0-143			1.60	20
Methyl tert-butyl ether	5.00	5.04	5.22	101	104	66.0-132			3.51	20
Naphthalene	5.00	5.47	5.57	109	111	59.0-130			1.81	20
n-Propylbenzene	5.00	4.35	4.65	87.0	93.0	74.0-126			6.67	20
Styrene	5.00	5.40	5.49	108	110	72.0-127			1.65	20
1,1,1,2-Tetrachloroethane	5.00	5.73	5.74	115	115	74.0-129			0.174	20
1,1,2,2-Tetrachloroethane	5.00	4.04	4.17	80.8	83.4	68.0-128			3.17	20
1,1,2-Trichlorotrifluoroethane	5.00	5.88	6.07	118	121	61.0-139			3.18	20
Tetrachloroethene	5.00	6.00	6.73	120	135	70.0-136			11.5	20
Toluene	5.00	4.90	4.97	98.0	99.4	75.0-121			1.42	20
1,2,3-Trichlorobenzene	5.00	5.75	5.75	115	115	59.0-139			0.000	20
1,2,4-Trichlorobenzene	5.00	5.72	5.50	114	110	62.0-137			3.92	20
1,1,1-Trichloroethane	5.00	5.55	5.68	111	114	69.0-126			2.32	20
1,1,2-Trichloroethane	5.00	5.26	5.37	105	107	78.0-123			2.07	20
Trichloroethene	5.00	5.12	5.15	102	103	76.0-126			0.584	20
Trichlorofluoromethane	5.00	5.77	6.07	115	121	61.0-142	U	U	5.07	20
1,2,3-Trichloropropane	5.00	4.51	4.48	90.2	89.6	67.0-129			0.667	20
1,2,4-Trimethylbenzene	5.00	4.85	5.16	97.0	103	70.0-126			6.19	20
1,2,3-Trimethylbenzene	5.00	4.77	4.89	95.4	97.8	74.0-124			2.48	20
1,3,5-Trimethylbenzene	5.00	4.88	5.12	97.6	102	73.0-127			4.80	20
Vinyl acetate	25.0	16.2	17.1	64.8	68.4	43.0-159			5.41	20
Vinyl chloride	5.00	4.81	5.27	96.2	105	63.0-134			9.13	20
Xylenes, Total	15.0	16.0	16.5	107	110	72.0-127			3.08	20
(S) Toluene-d8				104	98.7	75.0-131				
(S) 4-Bromofluorobenzene				111	107	67.0-138				
(S) 1,2-Dichloroethane-d4				91.8	91.4	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

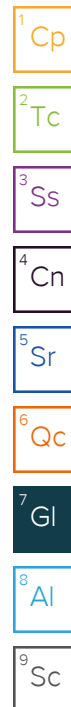
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.



ACCREDITATIONS & LOCATIONS

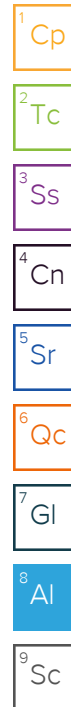
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

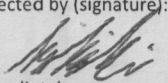
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

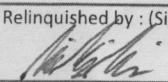


Company Name/Address: PES Environmental, Inc.- WA		Billing Information: Attn: Accounts Payable 2101 4th Avenue, Suite 1310 Seattle, WA 98121		Pres Chk	Analysis / Container / Preservative										Chain of Custody Page <u>1</u> of <u>1</u>	
2101 Fourth Ave., Suite 1310 Seattle, WA 98121															 PEOPLE ADVANCING SCIENCE	

Report to: Daniel Balbiani (ALP Q2)		Email To: <u>Sam.graber@nv5.com</u> <u>jessica.babb@nv5.com</u> ; <u>natalie.wisdom@nv5.com</u>	
Project Description: American Linen Q2 2024		City/State Collected: <u>Sea Hic, WA</u>	Please Circle: PT MT CT ET

Phone: 206-529-3980	Client Project # 443022-1413001.10.701.02	Lab Project # PESENVSWA-ALP
Collected by (print): <u>Devlin Del Giudice</u>	Site/Facility ID #	P.O. #
Collected by (signature): 	Rush? (Lab MUST Be Notified) ___ Same Day ___ Five Day ___ Next Day ___ 5 Day (Rad Only) ___ Two Day ___ 10 Day (Rad Only) ___ Three Day	Quote # Date Results Needed
Immediately Packed on Ice N ___ Y <u>✓</u>		No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	FEG, MNG 6020 250mlHDPE-HNO3	RSK175LL 40mlAmb-HCl	SULFATE 9056 125mlHDPE-NoPres	TOC 9060 250mlAmb-HCl	V8260ULL 40mlAmb-HCl								
MW-154-060424	G	GW	—	6/4/24	1102	3					X								
MW-147-060424		GW	—		1238	8	X	X	X	X	X								
EQ-060424		GW	—		1416	8													
TB-060424		GW	—		—	1					X								
		GW																	
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		GW																	

* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks:		pH _____ Temp _____ Flow _____ Other _____		Sample Receipt Checklist COC Seal Present/Intact: <u>NP</u> <u>Y</u> <u>N</u> COC Signed/Accurate: <u>Y</u> <u>N</u> Bottles arrive intact: <u>Y</u> <u>N</u> Correct bottles used: <u>Y</u> <u>N</u> Sufficient volume sent: <u>Y</u> <u>N</u> If Applicable VOA Zero Headspace: <u>Y</u> <u>N</u> Preservation Correct/Checked: <u>Y</u> <u>N</u> RAD Screen <0.5 mR/hr: <u>Y</u> <u>N</u>	
Samples returned via: ___ UPS ___ FedEx ___ Courier		Tracking # <u>7411 4519 3166</u>					
Relinquished by: (Signature) 	Date: <u>6/4/24</u>	Time: <u>1439</u>	Received by: (Signature)	Trip Blank Received: Yes <u>Y</u> No <u>N</u> HCl / MeOH TBR	Temp: <u>EDAG</u> °C <u>4.6</u> °C	If <u>PH-10BDH5021</u> Date/Time <u>TRC-3223A228</u>	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: <u>4.6</u> °C <u>10.3</u> °C	Bottles Received:		
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) <u>Chasen</u>	Date: <u>6/5/24</u>	Time: <u>0900</u>	Hold:	Condition: NCF / OK

MEMORANDUM

TO: Project File **DATE:** July 9, 2024

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: American Linen Data Validation

PROJECT #: 443022-1413001.10.701.04 (American Linen) and 443022-1413001.10.603.04 (Mercer Block)

TASK: EIM Data Validation Level EPA2A for Group 1, 2nd Quarter, May - June 2024

LAB: Pace Sample Delivery Group (SDGs): L1739256, L1739788, L1740435, L1740722, L1740759, L1741126, and L1741135

Ninety-eight groundwater samples (including four field duplicate pairs), one equipment blank, and five trip blanks were collected May 21-24, and 28, 2024, from monitoring wells associated with the second quarter sampling event at American Linen and the Mercer Block Sites in Seattle, WA. The samples were shipped and delivered to Pace Lab Sciences (Pace) of Mount Juliet, TN for laboratory analysis. Selected samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260D
- VOCs (dissolved gases – methane, ethane, and ethene) by EPA SOP RSK 175
- Anion (sulfate) by USEPA Method 9056A
- Total Organic Carbon (TOC) by USEPA Method 9060A
- Metals (iron and manganese) by USEPA Method 6020B

The Q2 2024 RI sampling event (including soil vapor samples) was conducted in May and June of 2024. Results for soil vapor samples are reported in three SDGs by Pace. Second quarter analytical results for groundwater are reported in eleven SDGs and were validated in two groups. Group 1 consists of seven SDGs and includes samples collected from monitoring wells located at both American Linen and Mercer Block Sites. The quality assurance review of the laboratory data associated with Group 1 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with Pace control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA National Functional Guidelines (NFG) for Superfund Organic Methods Data Review (USEPA, 2020) and USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020). Following Guidelines, non-project-specific laboratory duplicates and matrix spike results were not evaluated as part of this data validation.

DATA VALIDATION

Completeness

The samples were collected and analyzed as requested with the following issues:

- SDG L1739256: Review of chain of custody shows sample identifications as MW-108-052124, MW-122-052124, MW-109-052124, MW-103-052124, MW-121-052124, MW-120-052124, and MW-127-052124 (SDG L1739256-01, -04, -08, -09, -11, -15, and -16). Per NV5 request Pace revised sample identifications to read MW108-052124, MW122-052124, MW109-052124, MW103-052124, MW121-052124, MW120-052124, and MW127-052124.
- SDG L1739788: Review of chain of custody shows sample identifications as MW-111-052224, MW-110-052224, and MW-139 -052224 (SDG L1739788-01, -04, -08, -09, -11, -15, and -16). Per NV5 request Pace revised sample identifications to read MW-111-052224, MW-110-052224, and MW-319-052224. NV5 also requested that Pace remove extra spaces within the sample identifications for samples MW104-052224, MW107-052224, and MW105-052224.
- SDG L1740435: Review of chain of custody shows sample identifications as MW-116-052324, EI-MW-1-052324, and MW-128-052324 (SDG L1740435-11, -12, and -17). Per NV5 request Pace revised sample identifications to read MW116-052324, GEI-MW-1-052324, and MW128-052324.
- SDG L1740722: Review of chain of custody shows sample identified as MW-119-052424 (SDG L1740722-01). Per NV5 request Pace revised sample identification to read MW119-052424.
- SDG L1741126: Review of chain of custody shows samples as MW-124-052824 and MW-102-052824 (SDG L1741126-15, and -16). Per NV5 request Pace revised sample identifications to read MW124-052824 and MW102-052824.

Sample Collection and Preservation

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice in coolers and delivered by courier to the analytical laboratory. The laboratory reported that the coolers were received at a cooler temperature less than the recommended temperature preservation of 6°C. The samples were received in good condition. No data are qualified based upon the sample collection and preservation information with the following exceptions:

- SDG L1739788: Review of the case narrative indicates that sample W-MW-01-052224 pH exceeded recommended preservation criteria ($\text{pH} < 2$) for VOCs by EPA Method 8260D. Refer to the section on Holding Times for additional details.

- SDG L1740435: Review of the case narrative indicates that sample MW-179-052324 pH exceeded recommended preservation criteria ($\text{pH} < 2$) for VOCs by EPA Method 8260D. Refer to the section on Holding Times for additional details.
- SDG L1740759: Review of the case narrative indicates that samples MW-343-052424 and MW115-052424 pH exceeded recommended preservation criteria ($\text{pH} < 2$) for VOCs by EPA Method 8260D. Refer to the section on Holding Times for additional details.
- SDG L1741126: Review of the case narrative indicates that sample MW-174-052824 pH exceeded recommended preservation criteria ($\text{pH} < 2$) for VOCs by EPA Method 8260D. Refer to the section on Holding Times for additional details.

Holding Times

USEPA Method 8260D:

The samples were analyzed for VOCs within the EPA recommended holding time of fourteen days for preserved waters (7 days for unpreserved waters) from the date of collection. All holding time criteria are met with the following exceptions:

- SDG L1739788: **VOC results for sample W-MW-01-052224 are estimated and qualified (UJ/J) because analysis was performed 1.5 days past the recommended seven day hold time for an unpreserved sample.**
- SDG L1740435: **VOC results for sample MW-179-052324 are estimated and qualified (UJ/J) because analysis was performed 1.5 days past the recommended seven day hold time for an unpreserved sample.**
- SDG L1740722: Samples MW-335-052424 and MW-326R-052424 were reanalyzed for cis-1,2-dichloroethene, tetrachloroethene, and trichloroethene 2.5 days past the fourteen-day recommended hold time and laboratory qualified (T8). Sample MW-335-052424 was diluted and reanalyzed due to high concentrations of target analytes. Sample MW-326R-052424 was reanalyzed to confirm that there was no carryover from sample MW-335-052424. **Sample MW-335-052424 and MW-326R-052424 results for cis-1,2-dichloroethene, tetrachloroethene, and trichloroethene are estimated and qualified (J/UJ) due to hold time exceedance.**
- SDG L1740759: **VOC results for samples MW-343-052424 and MW115-052424 are estimated and qualified (UJ/J) because analyses were performed 3 days past the recommended seven day hold time for an unpreserved sample.**
- SDG L1741126: VOC results for sample MW-174-052824 were analyzed within the recommended seven day hold time for an unpreserved sample. No action is required.

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:

The samples were analyzed within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria are met.

General Chemistry (Sulfate and TOC):

The samples were analyzed within the USEPA recommended holding time for sulfate (28 days) and TOC (28 days) for the preserved water sample from the date of sample collection. All holding time criteria are met.

USEPA Method 6020B:

All samples were analyzed within the USEPA recommended holding time for iron and manganese of 180 days for preserved waters from the date of sample collection.

Initial and Continuing Calibration

USEPA Method 8260D (VOCs):

Initial and continuing calibration data for this project are retained by the laboratory and available for review if necessary. Pace indicated within the laboratory report that continuing calibration verification (CCV) criteria for were not met for the following:

- Multiple SDGs: *USEPA Method 8260D* - Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in each SDG. These compounds are qualified by the laboratory “C3” to indicate that CCV percent differences (% Ds) are below laboratory acceptance criteria and showing potential low bias. **Associated sample results with laboratory qualified (C3) results are estimated with potential low bias and qualified (J-/UJ). Results reported below the RDL are estimated (J) and directional bias is not assigned.** In a few cases, due to other deficiencies, the reviewer applied a more stringent qualifier using qualifier hierarchy (U>J/UJ). Refer to trip blank results for additional information.
- Multiple SDGs: *USEPA Method 8260D* - Continuing calibration verification (CCV) issues were noted by Pace for several compounds. These compounds are qualified by the laboratory “C5” to indicate that CCV % Ds are above laboratory acceptance criteria and showing potential high bias. **Associated sample results (detects) with laboratory qualified (C5) results are estimated with potential high bias and qualified (J+).** In certain cases, due to QC deficiencies, the reviewer applied a more stringent qualifier using qualifier hierarchy (U>J/UJ). Refer to trip blank results for additional information.

Method Blank Results

USEPA Method 8260D:

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes are not detected in the method blanks at or above the reporting detection limits (RDLs) with the following exceptions:

- SDG L1739788 – Analytical batch WG2295127: Acetone is detected in the method blank at 0.705 µg/L and below the RDL 1.00 µg/L. Acetone is detected below the established action level (RDL) in samples MW-145R-052224 and MW-160-052224. **Acetone detections in samples MW-145R-052224 and MW-160-052224 are qualified as not detected (U) due to method blank contamination.**

- SDG L1739788 – Analytical batch WG2297632: p-Isopropyltoluene is detected in the method blank at 0.102 µg/L and below the RDL 0.200 µg/L. No action is needed since p-isopropyltoluene is not detected in the associated samples.
- SDG L1740435 – Analytical batch WG2296518: Chlorobenzene is detected in the method blank at 0.102 µg/L and below the RDL 0.100 µg/L. No action is needed since chlorobenzene is not detected in the associated samples.
- SDG L1740722: 1,2,4-Trimethylbenzene is detected at 0.0650 µg/L and below the RDL 0.200 µg/L. This compound is also detected in the associated method blank at 0.0780 µg/L. The associated blank with the highest concentration was used to evaluate the samples. 1,2,4-Trimethylbenzene is detected below the RDL (0.200 µg/L) in sample MW-326R-052424. **The 1,2,4-trimethylbenzene detection in sample MW-326R-052424 is qualified as not detected (U) due to method blank contamination.**

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (dissolved gases) are not detected in the method blanks at or above the RDLs.

General Chemistry (Sulfate and TOC) and Metals (Iron and Manganese):

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were detected in the method blanks below the RDLs. Per Guidance, no action is taken for blank detections less than the RDL when associated sample detections are greater than the RDL. Method blank detections are shown below:

SDG	Batch	Method	Analyte	Method Blank Result	Qualifier	RDL	Units	Associated Result(s) Qualified
L1739788	WG2300561	9060A	TOC	415	J	1000	µg/L	NO
L1740722	WG2305121	9060A	TOC	197	J	1000	µg/L	NO
L1741126	WG2306216	9060A	TOC	192	J	1000	µg/L	NO
L1741126	WG2306217	9060A	TOC	217	J	1000	µg/L	NO
L1741135	WG2306217	9060A	TOC	217	J	1000	µg/L	See Note

The target analytes were detected in the method blanks below the RDLs. No action is taken on this basis since associated sample results are greater than the RDLs with the following exceptions:

- Note. SDG L1741135: A low level of TOC is detected in sample MW-346-052824, field duplicate sample MW-988-052824, and in the associated blank. **Sample and field duplicate TOC results are estimated (J+) to indicate that the contamination in the method blank may have impacted the reported results.**

Trip Blank Results

USEPA Method 8260D:

Five trip blanks (TB-052124, TB-052224, TB-052324, TB-052424, and TB-052824) were collected and submitted for VOC analysis. Per Guidance, for common laboratory contaminants

(e.g., acetone), if the blank concentration is greater than the RDL and less than twice the blank result the common lab contaminant is qualified as non-detect (U). The target analytes are not detected in the trip blanks at or above the RDLs with the following exceptions:

- SDG L1739256: Acetone is detected in the trip blank (TB-052124) at 7.72 µg/L and above the RDL 1.00 µg/L. Acetone is detected below the established action level in samples MW-156-052124, MW109-052124, MW121-052124, MW-159-052124, and MW127-052124. **Acetone detections in the above-mentioned samples are qualified as not detected (U) due to trip blank contamination.** In these cases, due to other QC deficiencies, the reviewer applied a more stringent qualifier to acetone using qualifier hierarchy (U>J/UJ).
- SDG L1740435: Acetone is detected in the trip blank (TB-052324) at 7.60 µg/L and above the RDL 1.00 µg/L. Acetone is detected below the established action level in samples MW-190-052324, MW-341-052324, and MW116-052324. **Acetone detections in the above-mentioned samples are qualified as not detected (U) due to trip blank contamination.**
- SDG L1740722: Acetone is detected in the trip blank (TB-052424) at 5.03 µg/L and above the RDL 1.00 µg/L. Acetone is detected below the established action level in samples MW-143-052424, MW-176-052424, MW-180-052424, and MW-185-052424. **Acetone detections in the above-mentioned samples are qualified as not detected (U) due to trip blank contamination.**
- SDG L1740722: 1,2,4-Trimethylbenzene is detected in the trip blank (TB-052424) at 0.0650 µg/L and below the RDL (0.200 µg/L). 1,2,4-Trimethylbenzene is also detected in the associated method blank at 0.0780 ug/L. The higher of the two associated blanks was used for evaluation purposes. 1,2,4-Trimethylbenzene is detected below the RDL in sample MW-326R-052424. **1,2,4-Trimethylbenzene detection in sample MW-326R-052424 is qualified as not detected (U) due to method blank contamination.**
- SDG L1741126: Acetone is detected in the trip blank (TB-052824) at 3.49 µg/L and above the RDL (1.00 µg/L). Acetone is detected below the established action level in samples MW-167-052824, MW-165-052824, MW-173-052824, MW-174-052824, MW-175-052824, MW102-052824, and MW-166-052824. **Acetone detections in the above-mentioned samples are qualified as not detected (U) due to trip blank contamination.** For sample MW-167-052824 the reviewer applied a more stringent qualifier to acetone using qualifier hierarchy (U>J/UJ).
- SDG L1741126: Methylene chloride is detected at 0.286 µg/L and above the RDL (1.00 µg/L). No action is needed since methylene chloride is not detected in the associated samples.

Field, Rinsate, or Equipment Blank Results

All Analytical Methods:

One equipment blank (EQ-052424) was collected. Details are as follows:

SDG L1740722: The equipment blank (EQ-052424) is associated with sample MW119-052424 which was collected from the bladder pump on May 24, 2024. Sample MW119-052424 was analyzed for VOCs only whereas the equipment blank was analyzed for the full analytical suite. Low levels of VOCs (acetone, chloroform, and cis-1,2-dichloroethene) are detected in the equipment blank. Per Guidance, for common laboratory contaminants (e.g., acetone), if the blank concentration is greater than the RDL and less than twice the blank result the common lab contaminant is qualified as non-detect (U). Actions are as follows:

- Acetone is detected in the equipment blank at 1.96 µg/L and above the RDL (1.00 µg/L). Acetone is also detected in the trip blank. No action is needed since acetone is not detected in sample MW119-052424.
- Chloroform is detected in the equipment blank at 0.716 µg/L and above the RDL (0.100 µg/L). No action is needed since chloroform is not detected in sample MW119-052424.
- cis-1,2-Dichloroethene is detected in the equipment blank at 0.0710 µg/L and below the RDL (0.100 µg/L). No action is needed since the cis-1,2-dichloroethene is detected above the RDL in sample MW119-052424.

Field Duplicate Analyses

Field duplicate sample pairs are as follows:

- SDG L1739256: Samples MW-9-052124 and MW-986-052124
- SDG L1739788: Samples MW-161-052224 and MW-989-052224
- SDG L1741135: Samples MW-346-052824 and MW-988-052824
- SDG L1741126: Samples MW-168-052824 and MW-991-052824

Target analyte results are comparable and within a relative percent difference (RPD) of 30% (or $\pm 1 \times$ RDL for groundwater results $<5 \times$ the RDL) for the field duplicate pair with the following exceptions:

- SDG L1741135: Field duplicate pair (MW-346-052824 and MW-988-052824) absolute difference for acetone exceeds criteria ($\pm 1 \times$ RDL for groundwater results). **Acetone results for samples MW-346-052824 and MW-988-052824 are estimated (J/UJ).**

Laboratory Duplicate Analyses

USEPA Method 8260D:

Laboratory duplicate samples were not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) results for precision data.

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:

Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples. The primary/duplicate RPDs for dissolved gas analyses are within the laboratory control limit of 20%.

General Chemistry (Sulfate and TOC):

Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples. The primary/duplicate RPDs for general chemistry parameters are within the laboratory control RPD limits or $\pm 1x$ RDL for groundwater results $<5X$ the RDL with the following discussion:

- SDG L17040435: Laboratory duplicate analysis for sulfate by EPA Method 9056A was performed on sample MW-181-052324. Sample MW-181-052324 sulfate is laboratory qualified (P1) to indicate that the RPD exceeded acceptance criteria of 15%. No action is taken since the results are $<5X$ the RDL and the absolute difference between the results is within $\pm 1x$ RDL.

USEPA Method 6020B:

Laboratory duplicate samples were not analyzed. Refer to MS/MSD results for precision data.

Surrogate Recoveries

USEPA Method 8260D:

The surrogate recovery results for the samples, laboratory control samples, and the method blanks are within the laboratory surrogate control limits for all the analyses.

Laboratory Control Samples

USEPA Method 8260D:

Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) or laboratory control sample (LCS) were analyzed by USEPA Method 8260D method. The LCS % Rs or LCS/LCSD % Rs and RPDs for all target compounds are within the laboratory control criteria for waters with the following exceptions:

- SDG L1739256 – Analytical batch WG2293937: The LCS % R result for acetone exceeds laboratory acceptance criteria and is laboratory qualified (J4). No action is taken on this basis since the LCSD % R and RPD are within acceptance criteria. LCS/LCSD RPDs for acrylonitrile, 2-butanone (MEK), naphthalene, and 1,2,3-trichlorobenzene exceed laboratory acceptance criteria and associated results are laboratory qualified (J3). No action is needed since associated target LCS/LCSD % Rs are within laboratory acceptance criteria.
- Multiple SDGs – multiple analytical batches: LCS/LCSD results for trichlorofluoromethane are estimated and (J) qualified by the laboratory. Per Pace, the wrong RDL was entered into the QC list for ultra-low-level VOCs. No action is taken since trichlorofluoromethane LCS and LCS/LCSD recoveries are within laboratory acceptance criteria.
- SDG L1739788 – Analytical batch WG2295127: LCS % R results for chloroethane and tetrahydrofuran exceed acceptance criteria and associated results are laboratory qualified (J4). No action is needed for samples MW-145R-052224 and MW-160-052224 since chloroethane and tetrahydrofuran are not detected in the associated samples. No action is

required for sample MW-144R-052224 as chloroethane is not detected and tetrahydrofuran is detected below the RDL and already qualified as estimated (J).

- SDG L1739788 – Analytical batch WG2295881: LCS/LCSD % R results for naphthalene, 1,2,3-trichlorobenzene, and 1,2,4-trichlorobenzene are below acceptance criteria and associated results are laboratory qualified (J4). All associated results (SDG L1739788-06-22) are non-detected for these analytes, are already estimated and qualified (UJ) due to low continuing calibration recovery. No action is taken on this basis.
- SDG L1739788 – Analytical batch WG2297632: LCS/LCSD RPD results for bromomethane, tetrahydrofuran, and Trans-1,4-dichloro-2-butene exceed laboratory acceptance criteria and associated results are laboratory qualified (J3). No action is needed since bromomethane and *Trans*-1,4-dichloro-2-butene LCS/LCSD % Rs are within laboratory acceptance criteria. LCSD % R and RPD for tetrahydrofuran exceed acceptance criteria and results are laboratory qualified (J3, J4). No action is needed since tetrahydrofuran is not detected in the associated samples (MW111-052224 and MW-313-052224).
- SDG L1740435 – Analytical batch WG2296518: LCS or LCS/LCSD % R results for naphthalene, 1,2,3-trichlorobenzene, and 1,2,4-trichlorobenzene are below acceptance criteria and associated results are laboratory qualified (J4). All associated results (SDG L1740435-01-14) are non-detected for these analytes, are already estimated and qualified (UJ) due to low continuing calibration recovery. No action is taken on this basis.
- SDG L1740722– Analytical batch WG2297215: LCS/LCSD RPD result for bromomethane exceeds laboratory acceptance criteria and associated results are laboratory qualified (J3). No action is needed since bromomethane LCS/LCSD % Rs are within laboratory acceptance criteria.
- SDGs L1740759 and L1741126 – Analytical batch WG2297221: LCS/LCSD RPDs for hexachloro-1,3-butadiene, naphthalene, 1,2,4-trichlorobenzene, and Trans-1,4-dichloro-2-butene exceed laboratory acceptance criteria and associated results are laboratory qualified (J3). No action is needed since associated target LCS/LCSD % Rs are within laboratory acceptance criteria.
- SDG L1740759 and L1741126 – Analytical batch WG2297221: The LCS % R result for bromomethane is below laboratory acceptance criteria and is laboratory qualified (J4). No action is taken on this basis since the LCSD % R and RPD are within acceptance criteria.
- SDGs L1740759 and L1741126 – Analytical batch WG2297221: The LCS % R result for 1,2,3-trichlorobenzene is above laboratory acceptance criteria and is laboratory qualified (J4). The LCS/LCSD RPD for 1,2,3-trichlorobenzene exceeds laboratory acceptance criteria and associated results are laboratory qualified (J3). No action is taken on this basis since is not detected in the associated samples.

- SDGs L1741126 and L1741135 – Analytical batch WG2298539: LCS/LCSD RPDs for bromomethane, carbon disulfide, chloroethane, chloromethane, dichlorodifluoromethane, n-hexane, and vinyl chloride exceed laboratory acceptance criteria and associated results are laboratory qualified (J3). No action is needed since associated target LCS/LCSD % Rs are within laboratory acceptance criteria.

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:

The LCS/LCSD % Rs and RPDs for the target compound (dissolved gases) are within the laboratory control criteria for waters.

General Chemistry (Sulfate and TOC) and Metals (Iron and Manganese):

The LCS % Rs for general chemistry parameters are within the laboratory control criteria for waters.

Matrix Spike/Matrix Spike Duplicates

USEPA Method 8260D:

Matrix spike/matrix spike duplicate (MS/MSD) analyses were not performed. Refer to laboratory control sample results for precision and accuracy results.

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:

MS/MSD analyses were performed on non-client samples within select analytical batches. The MS/MSD % Rs and RPDs are acceptable and within laboratory control limit criteria for water samples. No action is taken for MS/MSD % Rs and RPDs outside of acceptance criteria since matrix spike analysis was performed on non-client samples. Refer to laboratory control sample and laboratory duplicate results for precision and accuracy results.

General Chemistry (Sulfate and TOC), and Metals (Iron and Manganese):

MS or MS/MSD analyses were performed on client and/or on non-client samples within the analytical batches. The MS % Rs, MS/MSD % Rs and RPDs are acceptable and within laboratory control limit criteria for water samples with the following discussion:

- SDG L1740435: Metals (manganese and iron) MS/MSD analyses were performed on samples MW-182-052324 and MW-181-052324. Manganese and iron MS and/or MSD % Rs are outside of acceptance criteria however, per NFG, no action is needed since sample MW-182-052324 and MW-181-052324 manganese and iron sample concentrations are four times greater than the spiked amount.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- Electronic data deliverables (EDDs) for these SDGs were provided by the laboratory and data validator qualifiers were entered. In ten cases different chemical synonyms are used between the EDD and the hardcopy, but the associated Chemical Abstracts Service (CAS) numbers are provided in the EDD to confirm chemical identifications.

Compound Identification and Quantitation Limits

Results of the analyses are reported based on laboratory RDLs for all compounds. RDLs for all targets or selected compounds are elevated in several samples due to method-required dilutions with the following discussion:

- SDG L1739256: Laboratory narrative indicates that sample MW103-052124 for VOC analyses was diluted (twenty-fold) due to elevated target analytes. The laboratory was unable to analyze the sample at a lower dilution due to the elevated concentrations of select target compounds. No action is taken on this basis.

Per NV5 request the associated EDDs show result reporting limits (also known as reported detection limit (RDL) or practical quantitation limit (PQL)) and result detection limits (also referred to as method detection limit (MDL)) instead of defaulting to the RDL when reporting the MDL

Data Assessment

The laboratory data reported for this project were reviewed based on the criteria outlined in:

- USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020); and
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020).

Data qualifiers are assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

MEMORANDUM

TO: Project File **DATE:** July 17, 2024

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: American Linen Data Validation

PROJECT #: 443022-1413001.10.701.04 (American Linen) and 443022-1413001.10.603.04 (Mercer Block)

TASK: EIM Data Validation Level EPA2A for Group 2 – 2nd Quarter May - June 2024

LAB: Pace Sample Delivery Group (SDGs): L1742409, L1742410, L1742408, and L1743472

Eleven groundwater samples (including two field duplicate pairs), one equipment blank, and one trip blank were collected May 29, 31, and June 4, 2024, from monitoring wells associated with the second quarter sampling event at American Linen and the Mercer Block Sites in Seattle, WA. The samples were shipped and delivered to Pace Lab Sciences (Pace) of Mount Juliet, TN for laboratory analysis. Selected samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260D
- VOCs (dissolved gases – methane, ethane, and ethene) by EPA SOP RSK 175
- Anion (sulfate) by USEPA Method 9056A
- Total Organic Carbon (TOC) by USEPA Method 9060A
- Metals (iron and manganese) by USEPA Method 6020B

The Q2 2024 RI sampling event (including soil vapor samples) was conducted in May and June of 2024. Results for soil vapor samples are reported in three SDGs by Pace. Second quarter analytical results for groundwater are reported in eleven SDGs and were validated in two groups. Group 2 consists of four SDGs and includes samples collected from monitoring wells located at both American Linen and Mercer Block Sites. The quality assurance review of the laboratory data associated with Group 2 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with Pace control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA National Functional Guidelines (NFG) for Superfund Organic Methods Data Review (USEPA, 2020) and USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020). Following Guidelines, non-project-specific laboratory duplicates and matrix spike results were not evaluated as part of this data validation.

DATA VALIDATION

Completeness

The samples were collected and analyzed as requested with no issues.

Sample Collection and Preservation

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice in coolers and delivered by courier to the analytical laboratory. The laboratory reported that the coolers were received at a cooler temperature less than the recommended temperature preservation of 6°C. The samples were received in good condition. No data are qualified based upon the sample collection and preservation information with the following exceptions:

- SDG L1742408: Review of the Pace non-conformance form (NCF) indicates that the cooler was received with a broken VOC vial for sample MW-987-053124. No action is needed since additional sample vials were provided for VOC analysis.
- SDG L1742410: Review of the Pace NCF indicates that the cooler was received with broken VOC vials for samples HMW-9IB-052924 and MW-350-052924. No action is needed since additional vials were provided for analysis.

Holding Times

USEPA Method 8260D:

The samples were analyzed for VOCs within the EPA recommended holding time of fourteen days for preserved waters (7 days for unpreserved waters) from the date of collection. All holding time criteria are met.

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:

The samples were analyzed within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria are met.

General Chemistry (Sulfate and TOC):

The samples were analyzed within the USEPA recommended holding time for sulfate (28 days) and TOC (28 days) for the preserved water sample from the date of sample collection. All holding time criteria are met.

USEPA Method 6020B:

All samples were analyzed within the USEPA recommended holding time for iron and manganese of 180 days for preserved waters from the date of sample collection.

Initial and Continuing Calibration

USEPA Method 8260D (VOCs):

Initial and continuing calibration data for this project are retained by the laboratory and available for review if necessary. Pace indicated within the laboratory report that continuing calibration verification (CCV) criteria for were not met for the following:

- Multiple SDGs: *USEPA Method 8260D* - Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in each SDG. These compounds are qualified by the laboratory “C3” to indicate that CCV percent differences (% Ds) are below laboratory acceptance criteria and showing potential low bias. **Associated sample results with laboratory qualified (C3) results are estimated with potential low bias and qualified (J-/UJ).**
- SDG L1742410: *USEPA Method 8260D* - Continuing calibration verification (CCV) issues were noted by Pace for several compounds. These compounds are qualified by the laboratory “C5” to indicate that CCV % Ds are above laboratory acceptance criteria and showing potential high bias. **Associated sample results (detects) with laboratory qualified (C5) results are estimated with potential high bias and qualified (J+).**

Method Blank Results

USEPA Method 8260D:

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes are not detected in the method blanks at or above the reporting detection limits (RDLs).

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (dissolved gases) are not detected in the method blanks at or above the RDLs.

General Chemistry (Sulfate and TOC) and Metals (Iron and Manganese):

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were detected in the method blanks below the RDLs. Per Guidance, no action is taken for blank detections less than the RDL when associated sample detections are greater than the RDL. Method blank detections are shown below:

SDG	Batch	Method	Analyte	Method Blank Result	Qualifier	RDL	Units	Associated Result(s) Qualified
L1742408	WG2307287	9060A	TOC	115	J	1000	µg/L	NO
L1742409	WG2307287	9060A	TOC	115	J	1000	µg/L	NO

The target analytes were detected in the method blanks below the RDLs. No action is taken on this basis since associated sample results are greater than the RDLs.

Trip Blank Results

USEPA Method 8260D:

SDG L1743472: One trip blank (TB-060424) was collected and submitted for VOC analysis. The target analytes are not detected in the trip blank at or above the RDLs.

Field, Rinsate, or Equipment Blank Results

All Analytical Methods:

One equipment blank (EQ-052924) was collected. Details are as follows:

SDG L1742409: The equipment blank (EQ-052924) is associated with samples MW112-052924 and MW106-052924 which were collected from the bladder pump on May 29, 2024. Samples were analyzed for VOCs only whereas the equipment blank was analyzed for the full analytical suite. Low levels of VOCs (acetone and chloroform) are detected in the equipment blank. Per Guidance, for common laboratory contaminants (e.g., acetone), if the blank concentration is greater than the RDL and less than twice the blank result the common lab contaminant is qualified as non-detect (U). Actions are as follows:

- Acetone is detected in the equipment blank at 1.32 µg/L and above the RDL (1.00 µg/L). Acetone was detected at 1.10 µg/L in sample MW112-052924 and below the equipment blank detection. **Acetone result for sample MW112-052924 is qualified as not detected (U) due to equipment blank contamination.** No action is needed for sample MW106-052924 since acetone is not detected.
- Chloroform is detected in the equipment blank at 1.20 µg/L and above the RDL (0.100 µg/L). No action is needed since chloroform is not detected in the associated samples.

Field Duplicate Analyses

Field duplicate sample pairs are as follows:

- SDG L1742408: Samples MW-153-053124 and MW-990-053124
- SDG L1742408: Samples MW-146-053124 and MW-987-053124

Target analyte results are comparable and within a relative percent difference (RPD) of 30% (or $\pm 1 \times$ RDL for groundwater results $< 5 \times$ the RDL) for the field duplicate pair with the following exceptions:

- SDG L1742408: Field duplicate pair (MW-146-053124 and MW-987-053124) RPDs for dissolved gases (methane, ethane, and ethene) exceed criteria (30% RPD). **Dissolved gas (methane, ethane, and ethene) results for samples MW-146-053124 and MW-987-053124 are estimated (J).**

Laboratory Duplicate Analyses

USEPA Method 8260D:

Laboratory duplicate samples were not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) results for precision data.

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:

Laboratory duplicate sample analyses were performed on non-client samples. The primary/duplicate RPDs for dissolved gas analyses are within the laboratory control limit of 20%.

General Chemistry (Sulfate and TOC):

Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples. The primary/duplicate client sample RPD for sulfate is within the laboratory control RPD limits or $\pm 1 \times$ RDL for groundwater results $< 5 \times$ the RDL.

USEPA Method 6020B:

Laboratory duplicate samples were not analyzed. Refer to MS/MSD results for precision data.

Surrogate Recoveries

USEPA Method 8260D:

The surrogate recovery results for the samples, laboratory control samples, and the method blanks are within the laboratory surrogate control limits for all the analyses.

Laboratory Control Samples

USEPA Method 8260D:

Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) were analyzed by USEPA Method 8260D method. The LCS/LCSD % Rs and RPDs for all target compounds are within the laboratory control criteria for waters with the following discussion:

- SDGs L1742408, L1742409, and L1742410 – Analytical batch WG2301894 and SDG L1743472 – Analytical batch WG2301894: LCS/LCSD results for trichlorofluoromethane (CFC-11) are estimated and (J) qualified by the laboratory. Per Pace, the wrong RDL was entered into the associated quality control for ultra-low-level VOCs. No action is taken since CFC-11 LCS/LCSD recoveries are within laboratory acceptance criteria and each respective CFC-11 method blank RDL is the same as the associated sample data (undiluted). On July 19, 2024, Pace reissued the associated reports however revisions (removal of the J qualifiers on CFC-11) were not made. Pace was contacted to confirm that the original SDGs will be used to evaluate the data.

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:

LCS/LCSD % Rs and RPDs for the target compounds (dissolved gases) are within the laboratory control criteria for waters.

General Chemistry (Sulfate and TOC) and Metals (Iron and Manganese):

The LCS % Rs for general chemistry parameters are within the laboratory control criteria for waters.

Matrix Spike/Matrix Spike Duplicates

USEPA Method 8260D:

Matrix spike/matrix spike duplicate (MS/MSD) analyses were not performed. Refer to laboratory control sample results for precision and accuracy results.

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:

MS/MSD analyses were performed on one non-client sample within one analytical batch. No action is taken for MS/MSD % Rs or RPDs outside of acceptance criteria since matrix spike analysis was performed on a non-client sample. Refer to laboratory control sample and laboratory duplicate results for precision and accuracy results.

General Chemistry (Sulfate and TOC), and Metals (Iron and Manganese):

MS or MS/MSD analyses were performed on client and/or on non-client samples within the analytical batches. Project sample MS/MSD % Rs and RPDs are acceptable and within laboratory control limit criteria for water samples. Refer to laboratory control sample, laboratory and/or field duplicate results for precision and accuracy results.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- Electronic data deliverables (EDDs) for these SDGs were provided by the laboratory and data validator qualifiers were entered. In ten cases, different chemical synonyms are used between the EDD and the hardcopy, but the associated Chemical Abstracts Service (CAS) numbers are provided in the EDD to confirm chemical identifications.

Compound Identification and Quantitation Limits

Results of the analyses are reported based on laboratory RDLs for all compounds. RDLs for all targets or selected compounds are elevated in several samples due to method-required dilutions.

Per NV5 request the associated EDDs show result reporting limits (also known as reported detection limit (RDL) or practical quantitation limit (PQL)) and result detection limits (also referred to as method detection limit (MDL)) instead of defaulting to the RDL when reporting the MDL

Data Assessment

The laboratory data reported for this project were reviewed based on the criteria outlined in:

- USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020); and
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020).

Data qualifiers are assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	UJ C3	0.548	1.00	1	05/27/2024 11:31	WG2298126
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/27/2024 11:31	WG2298126
Benzene	3.24		0.0160	0.0400	1	05/27/2024 11:31	WG2298126
Bromobenzene	U		0.0420	0.500	1	05/27/2024 11:31	WG2298126
Bromochloromethane	U		0.0452	0.200	1	05/27/2024 11:31	WG2298126
Bromodichloromethane	U		0.0315	0.100	1	05/27/2024 11:31	WG2298126
Bromoform	U		0.239	1.00	1	05/27/2024 11:31	WG2298126
Bromomethane	U		0.148	0.500	1	05/27/2024 11:31	WG2298126
n-Butylbenzene	U		0.153	0.500	1	05/27/2024 11:31	WG2298126
sec-Butylbenzene	U		0.101	0.500	1	05/27/2024 11:31	WG2298126
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2024 11:31	WG2298126
Carbon disulfide	U		0.162	0.500	1	05/27/2024 11:31	WG2298126
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2024 11:31	WG2298126
Chlorobenzene	U		0.0229	0.100	1	05/27/2024 11:31	WG2298126
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2024 11:31	WG2298126
Chloroethane	U		0.0432	0.200	1	05/27/2024 11:31	WG2298126
Chloroform	0.0600	J	0.0166	0.100	1	05/27/2024 11:31	WG2298126
Chloromethane	U		0.0556	0.500	1	05/27/2024 11:31	WG2298126
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2024 11:31	WG2298126
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2024 11:31	WG2298126
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/27/2024 11:31	WG2298126
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2024 11:31	WG2298126
Dibromomethane	U		0.0400	0.200	1	05/27/2024 11:31	WG2298126
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2024 11:31	WG2298126
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2024 11:31	WG2298126
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2024 11:31	WG2298126
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/27/2024 11:31	WG2298126
Dichlorodifluoromethane	U		0.0327	0.200	1	05/27/2024 11:31	WG2298126
1,1-Dichloroethane	0.0520	J	0.0230	0.100	1	05/27/2024 11:31	WG2298126
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2024 11:31	WG2298126
1,1-Dichloroethene	1.16		0.0200	0.100	1	05/27/2024 11:31	WG2298126
cis-1,2-Dichloroethene	561		1.38	5.00	50	05/30/2024 21:07	WG2298135
trans-1,2-Dichloroethene	2.34		0.0572	0.200	1	05/27/2024 11:31	WG2298126
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2024 11:31	WG2298126
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2024 11:31	WG2298126
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2024 11:31	WG2298126
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2024 11:31	WG2298126
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2024 11:31	WG2298126
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2024 11:31	WG2298126
Di-isopropyl ether	0.0460		0.0140	0.0400	1	05/27/2024 11:31	WG2298126
Ethylbenzene	U		0.0212	0.100	1	05/27/2024 11:31	WG2298126
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/27/2024 11:31	WG2298126
2-Hexanone	U		0.400	1.00	1	05/27/2024 11:31	WG2298126
n-Hexane	U		0.0424	0.200	1	05/27/2024 11:31	WG2298126
Iodomethane	U		0.242	0.500	1	05/27/2024 11:31	WG2298126
Isopropylbenzene	U		0.0345	0.100	1	05/27/2024 11:31	WG2298126
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2024 11:31	WG2298126
2-Butanone (MEK)	U		0.500	1.00	1	05/27/2024 11:31	WG2298126
Methylene Chloride	U		0.265	1.00	1	05/27/2024 11:31	WG2298126
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2024 11:31	WG2298126
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2024 11:31	WG2298126
Naphthalene	U		0.124	0.500	1	05/27/2024 11:31	WG2298126
n-Propylbenzene	U		0.0472	0.200	1	05/27/2024 11:31	WG2298126
Styrene	U		0.109	0.500	1	05/27/2024 11:31	WG2298126
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2024 11:31	WG2298126
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/27/2024 11:31	WG2298126

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2024 11:31	WG2298126
Tetrachloroethene	15.5		0.0280	0.100	1	05/27/2024 11:31	WG2298126
Toluene	0.138	<u>J</u>	0.0500	0.200	1	05/27/2024 11:31	WG2298126
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/27/2024 11:31	WG2298126
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/27/2024 11:31	WG2298126
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2024 11:31	WG2298126
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2024 11:31	WG2298126
Trichloroethene	7.95		0.0160	0.0400	1	05/27/2024 11:31	WG2298126
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2024 11:31	WG2298126
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2024 11:31	WG2298126
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2024 11:31	WG2298126
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2024 11:31	WG2298126
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2024 11:31	WG2298126
Vinyl acetate	U	UJ <u>C3</u>	0.141	0.500	1	05/27/2024 11:31	WG2298126
Vinyl chloride	195		1.36	5.00	50	05/30/2024 21:07	WG2298135
Xylenes, Total	U		0.191	0.260	1	05/27/2024 11:31	WG2298126
(S) Toluene-d8	102			75.0-131		05/27/2024 11:31	WG2298126
(S) Toluene-d8	108			75.0-131		05/30/2024 21:07	WG2298135
(S) 4-Bromofluorobenzene	91.9			67.0-138		05/27/2024 11:31	WG2298126
(S) 4-Bromofluorobenzene	95.1			67.0-138		05/30/2024 21:07	WG2298135
(S) 1,2-Dichloroethane-d4	97.3			70.0-130		05/27/2024 11:31	WG2298126
(S) 1,2-Dichloroethane-d4	90.2			70.0-130		05/30/2024 21:07	WG2298135

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	05/27/2024 11:50	WG2298126
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/27/2024 11:50	WG2298126
Benzene	U		0.0160	0.0400	1	05/27/2024 11:50	WG2298126
Bromobenzene	U		0.0420	0.500	1	05/27/2024 11:50	WG2298126
Bromochloromethane	U		0.0452	0.200	1	05/27/2024 11:50	WG2298126
Bromodichloromethane	U		0.0315	0.100	1	05/27/2024 11:50	WG2298126
Bromoform	U		0.239	1.00	1	05/27/2024 11:50	WG2298126
Bromomethane	U		0.148	0.500	1	05/27/2024 11:50	WG2298126
n-Butylbenzene	U		0.153	0.500	1	05/27/2024 11:50	WG2298126
sec-Butylbenzene	U		0.101	0.500	1	05/27/2024 11:50	WG2298126
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2024 11:50	WG2298126
Carbon disulfide	U		0.162	0.500	1	05/27/2024 11:50	WG2298126
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2024 11:50	WG2298126
Chlorobenzene	U		0.0229	0.100	1	05/27/2024 11:50	WG2298126
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2024 11:50	WG2298126
Chloroethane	U		0.0432	0.200	1	05/27/2024 11:50	WG2298126
Chloroform	U		0.0166	0.100	1	05/27/2024 11:50	WG2298126
Chloromethane	U		0.0556	0.500	1	05/27/2024 11:50	WG2298126
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2024 11:50	WG2298126
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2024 11:50	WG2298126
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/27/2024 11:50	WG2298126
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2024 11:50	WG2298126
Dibromomethane	U		0.0400	0.200	1	05/27/2024 11:50	WG2298126
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2024 11:50	WG2298126
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2024 11:50	WG2298126
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2024 11:50	WG2298126
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/27/2024 11:50	WG2298126
Dichlorodifluoromethane	U		0.0327	0.200	1	05/27/2024 11:50	WG2298126
1,1-Dichloroethane	U		0.0230	0.100	1	05/27/2024 11:50	WG2298126
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2024 11:50	WG2298126
1,1-Dichloroethene	U		0.0200	0.100	1	05/27/2024 11:50	WG2298126
cis-1,2-Dichloroethene	0.160		0.0276	0.100	1	05/30/2024 16:42	WG2298135
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/27/2024 11:50	WG2298126
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2024 11:50	WG2298126
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2024 11:50	WG2298126
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2024 11:50	WG2298126
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2024 11:50	WG2298126
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2024 11:50	WG2298126
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2024 11:50	WG2298126
Di-isopropyl ether	U		0.0140	0.0400	1	05/27/2024 11:50	WG2298126
Ethylbenzene	U		0.0212	0.100	1	05/27/2024 11:50	WG2298126
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/27/2024 11:50	WG2298126
2-Hexanone	U		0.400	1.00	1	05/27/2024 11:50	WG2298126
n-Hexane	U		0.0424	0.200	1	05/27/2024 11:50	WG2298126
Iodomethane	U		0.242	0.500	1	05/27/2024 11:50	WG2298126
Isopropylbenzene	U		0.0345	0.100	1	05/27/2024 11:50	WG2298126
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2024 11:50	WG2298126
2-Butanone (MEK)	U		0.500	1.00	1	05/27/2024 11:50	WG2298126
Methylene Chloride	U		0.265	1.00	1	05/27/2024 11:50	WG2298126
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2024 11:50	WG2298126
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2024 11:50	WG2298126
Naphthalene	U		0.124	0.500	1	05/27/2024 11:50	WG2298126
n-Propylbenzene	U		0.0472	0.200	1	05/27/2024 11:50	WG2298126
Styrene	U		0.109	0.500	1	05/27/2024 11:50	WG2298126
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2024 11:50	WG2298126
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/27/2024 11:50	WG2298126

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/9/24

MW-311-052124

Collected date/time: 05/21/24 13:10

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

SAMPLE RESULTS - 02

L1739256

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2024 11:50	WG2298126
Tetrachloroethene	U		0.0280	0.100	1	05/27/2024 11:50	WG2298126
Toluene	U		0.0500	0.200	1	05/27/2024 11:50	WG2298126
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/27/2024 11:50	WG2298126
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/27/2024 11:50	WG2298126
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2024 11:50	WG2298126
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2024 11:50	WG2298126
Trichloroethene	0.108		0.0160	0.0400	1	05/27/2024 11:50	WG2298126
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2024 11:50	WG2298126
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2024 11:50	WG2298126
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2024 11:50	WG2298126
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2024 11:50	WG2298126
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2024 11:50	WG2298126
Vinyl acetate	U	UJ C3	0.141	0.500	1	05/27/2024 11:50	WG2298126
Vinyl chloride	1.28		0.0273	0.100	1	05/30/2024 16:42	WG2298135
Xylenes, Total	U		0.191	0.260	1	05/27/2024 11:50	WG2298126
(S) Toluene-d8	101			75.0-131		05/27/2024 11:50	WG2298126
(S) Toluene-d8	107			75.0-131		05/30/2024 16:42	WG2298135
(S) 4-Bromofluorobenzene	96.1			67.0-138		05/27/2024 11:50	WG2298126
(S) 4-Bromofluorobenzene	95.9			67.0-138		05/30/2024 16:42	WG2298135
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/27/2024 11:50	WG2298126
(S) 1,2-Dichloroethane-d4	93.5			70.0-130		05/30/2024 16:42	WG2298135

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

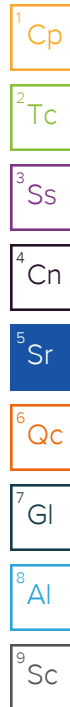
7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	UJ C3	0.548	1.00	1	05/27/2024 12:10	WG2298126
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/27/2024 12:10	WG2298126
Benzene	0.116		0.0160	0.0400	1	05/27/2024 12:10	WG2298126
Bromobenzene	U		0.0420	0.500	1	05/27/2024 12:10	WG2298126
Bromochloromethane	U		0.0452	0.200	1	05/27/2024 12:10	WG2298126
Bromodichloromethane	U		0.0315	0.100	1	05/27/2024 12:10	WG2298126
Bromoform	U		0.239	1.00	1	05/27/2024 12:10	WG2298126
Bromomethane	U		0.148	0.500	1	05/27/2024 12:10	WG2298126
n-Butylbenzene	U		0.153	0.500	1	05/27/2024 12:10	WG2298126
sec-Butylbenzene	U		0.101	0.500	1	05/27/2024 12:10	WG2298126
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2024 12:10	WG2298126
Carbon disulfide	U		0.162	0.500	1	05/27/2024 12:10	WG2298126
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2024 12:10	WG2298126
Chlorobenzene	U		0.0229	0.100	1	05/27/2024 12:10	WG2298126
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2024 12:10	WG2298126
Chloroethane	U		0.0432	0.200	1	05/27/2024 12:10	WG2298126
Chloroform	U		0.0166	0.100	1	05/27/2024 12:10	WG2298126
Chloromethane	U		0.0556	0.500	1	05/27/2024 12:10	WG2298126
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2024 12:10	WG2298126
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2024 12:10	WG2298126
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/27/2024 12:10	WG2298126
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2024 12:10	WG2298126
Dibromomethane	U		0.0400	0.200	1	05/27/2024 12:10	WG2298126
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2024 12:10	WG2298126
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2024 12:10	WG2298126
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2024 12:10	WG2298126
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/27/2024 12:10	WG2298126
Dichlorodifluoromethane	U		0.0327	0.200	1	05/27/2024 12:10	WG2298126
1,1-Dichloroethane	U		0.0230	0.100	1	05/27/2024 12:10	WG2298126
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2024 12:10	WG2298126
1,1-Dichloroethene	U		0.0200	0.100	1	05/27/2024 12:10	WG2298126
cis-1,2-Dichloroethene	1.44		0.0276	0.100	1	05/27/2024 12:10	WG2298126
trans-1,2-Dichloroethene	0.0720	J	0.0572	0.200	1	05/27/2024 12:10	WG2298126
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2024 12:10	WG2298126
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2024 12:10	WG2298126
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2024 12:10	WG2298126
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2024 12:10	WG2298126
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2024 12:10	WG2298126
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2024 12:10	WG2298126
Di-isopropyl ether	U		0.0140	0.0400	1	05/27/2024 12:10	WG2298126
Ethylbenzene	U		0.0212	0.100	1	05/27/2024 12:10	WG2298126
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/27/2024 12:10	WG2298126
2-Hexanone	U		0.400	1.00	1	05/27/2024 12:10	WG2298126
n-Hexane	U		0.0424	0.200	1	05/27/2024 12:10	WG2298126
Iodomethane	U		0.242	0.500	1	05/27/2024 12:10	WG2298126
Isopropylbenzene	U		0.0345	0.100	1	05/27/2024 12:10	WG2298126
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2024 12:10	WG2298126
2-Butanone (MEK)	U		0.500	1.00	1	05/27/2024 12:10	WG2298126
Methylene Chloride	U		0.265	1.00	1	05/27/2024 12:10	WG2298126
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2024 12:10	WG2298126
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2024 12:10	WG2298126
Naphthalene	U		0.124	0.500	1	05/27/2024 12:10	WG2298126
n-Propylbenzene	U		0.0472	0.200	1	05/27/2024 12:10	WG2298126
Styrene	U		0.109	0.500	1	05/27/2024 12:10	WG2298126
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2024 12:10	WG2298126
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/27/2024 12:10	WG2298126



JC 7/9/24

ACCOUNT:

PES Environmental, Inc.- WA

PROJECT:

443022-1413001.10

SDG:

L1739256

DATE/TIME:

07/02/24 08:59

PAGE:

11 of 65

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2024 12:10	WG2298126
Tetrachloroethene	0.0280	J	0.0280	0.100	1	05/27/2024 12:10	WG2298126
Toluene	U		0.0500	0.200	1	05/27/2024 12:10	WG2298126
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/27/2024 12:10	WG2298126
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/27/2024 12:10	WG2298126
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2024 12:10	WG2298126
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2024 12:10	WG2298126
Trichloroethene	U		0.0160	0.0400	1	05/27/2024 12:10	WG2298126
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2024 12:10	WG2298126
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2024 12:10	WG2298126
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2024 12:10	WG2298126
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2024 12:10	WG2298126
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2024 12:10	WG2298126
Vinyl acetate	U	UJ C3	0.141	0.500	1	05/27/2024 12:10	WG2298126
Vinyl chloride	0.166		0.0273	0.100	1	05/30/2024 17:03	WG2298135
Xylenes, Total	U		0.191	0.260	1	05/27/2024 12:10	WG2298126
(S) Toluene-d8	99.6			75.0-131		05/27/2024 12:10	WG2298126
(S) Toluene-d8	107			75.0-131		05/30/2024 17:03	WG2298135
(S) 4-Bromofluorobenzene	96.6			67.0-138		05/27/2024 12:10	WG2298126
(S) 4-Bromofluorobenzene	95.9			67.0-138		05/30/2024 17:03	WG2298135
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/27/2024 12:10	WG2298126
(S) 1,2-Dichloroethane-d4	93.0			70.0-130		05/30/2024 17:03	WG2298135

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

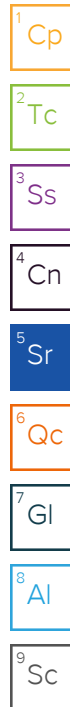
7Gl

8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	05/27/2024 12:29	WG2298126
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/27/2024 12:29	WG2298126
Benzene	U		0.0160	0.0400	1	05/27/2024 12:29	WG2298126
Bromobenzene	U		0.0420	0.500	1	05/27/2024 12:29	WG2298126
Bromochloromethane	U		0.0452	0.200	1	05/27/2024 12:29	WG2298126
Bromodichloromethane	U		0.0315	0.100	1	05/27/2024 12:29	WG2298126
Bromoform	U		0.239	1.00	1	05/27/2024 12:29	WG2298126
Bromomethane	U		0.148	0.500	1	05/27/2024 12:29	WG2298126
n-Butylbenzene	U		0.153	0.500	1	05/27/2024 12:29	WG2298126
sec-Butylbenzene	U		0.101	0.500	1	05/27/2024 12:29	WG2298126
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2024 12:29	WG2298126
Carbon disulfide	U		0.162	0.500	1	05/27/2024 12:29	WG2298126
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2024 12:29	WG2298126
Chlorobenzene	U		0.0229	0.100	1	05/27/2024 12:29	WG2298126
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2024 12:29	WG2298126
Chloroethane	U		0.0432	0.200	1	05/27/2024 12:29	WG2298126
Chloroform	U		0.0166	0.100	1	05/27/2024 12:29	WG2298126
Chloromethane	U		0.0556	0.500	1	05/27/2024 12:29	WG2298126
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2024 12:29	WG2298126
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2024 12:29	WG2298126
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/27/2024 12:29	WG2298126
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2024 12:29	WG2298126
Dibromomethane	U		0.0400	0.200	1	05/27/2024 12:29	WG2298126
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2024 12:29	WG2298126
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2024 12:29	WG2298126
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2024 12:29	WG2298126
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/27/2024 12:29	WG2298126
Dichlorodifluoromethane	U		0.0327	0.200	1	05/27/2024 12:29	WG2298126
1,1-Dichloroethane	U		0.0230	0.100	1	05/27/2024 12:29	WG2298126
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2024 12:29	WG2298126
1,1-Dichloroethene	U		0.0200	0.100	1	05/27/2024 12:29	WG2298126
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/27/2024 12:29	WG2298126
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/27/2024 12:29	WG2298126
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2024 12:29	WG2298126
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2024 12:29	WG2298126
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2024 12:29	WG2298126
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2024 12:29	WG2298126
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2024 12:29	WG2298126
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2024 12:29	WG2298126
Di-isopropyl ether	U		0.0140	0.0400	1	05/27/2024 12:29	WG2298126
Ethylbenzene	U		0.0212	0.100	1	05/27/2024 12:29	WG2298126
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/27/2024 12:29	WG2298126
2-Hexanone	U		0.400	1.00	1	05/27/2024 12:29	WG2298126
n-Hexane	U		0.0424	0.200	1	05/27/2024 12:29	WG2298126
Iodomethane	U		0.242	0.500	1	05/27/2024 12:29	WG2298126
Isopropylbenzene	U		0.0345	0.100	1	05/27/2024 12:29	WG2298126
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2024 12:29	WG2298126
2-Butanone (MEK)	U		0.500	1.00	1	05/27/2024 12:29	WG2298126
Methylene Chloride	U		0.265	1.00	1	05/27/2024 12:29	WG2298126
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2024 12:29	WG2298126
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2024 12:29	WG2298126
Naphthalene	U		0.124	0.500	1	05/27/2024 12:29	WG2298126
n-Propylbenzene	U		0.0472	0.200	1	05/27/2024 12:29	WG2298126
Styrene	U		0.109	0.500	1	05/27/2024 12:29	WG2298126
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2024 12:29	WG2298126
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/27/2024 12:29	WG2298126



JC 7/9/24

ACCOUNT:

PES Environmental, Inc.- WA

PROJECT:

443022-1413001.010

SDG:

L1739256

DATE/TIME:

07/02/24 08:59

PAGE:

13 of 65

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2024 12:29	WG2298126
Tetrachloroethene	0.0580	J	0.0280	0.100	1	05/27/2024 12:29	WG2298126
Toluene	U		0.0500	0.200	1	05/27/2024 12:29	WG2298126
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/27/2024 12:29	WG2298126
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/27/2024 12:29	WG2298126
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2024 12:29	WG2298126
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2024 12:29	WG2298126
Trichloroethene	U		0.0160	0.0400	1	05/27/2024 12:29	WG2298126
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2024 12:29	WG2298126
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2024 12:29	WG2298126
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2024 12:29	WG2298126
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2024 12:29	WG2298126
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2024 12:29	WG2298126
Vinyl acetate	U	UJ C3	0.141	0.500	1	05/27/2024 12:29	WG2298126
Vinyl chloride	U		0.0273	0.100	1	05/27/2024 12:29	WG2298126
Xylenes, Total	U		0.191	0.260	1	05/27/2024 12:29	WG2298126
(S) Toluene-d8	103			75.0-131		05/27/2024 12:29	WG2298126
(S) 4-Bromofluorobenzene	93.1			67.0-138		05/27/2024 12:29	WG2298126
(S) 1,2-Dichloroethane-d4	99.6			70.0-130		05/27/2024 12:29	WG2298126

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	05/27/2024 12:49	WG2298126
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/27/2024 12:49	WG2298126
Benzene	U		0.0160	0.0400	1	05/27/2024 12:49	WG2298126
Bromobenzene	U		0.0420	0.500	1	05/27/2024 12:49	WG2298126
Bromochloromethane	U		0.0452	0.200	1	05/27/2024 12:49	WG2298126
Bromodichloromethane	U		0.0315	0.100	1	05/27/2024 12:49	WG2298126
Bromoform	U		0.239	1.00	1	05/27/2024 12:49	WG2298126
Bromomethane	U		0.148	0.500	1	05/27/2024 12:49	WG2298126
n-Butylbenzene	U		0.153	0.500	1	05/27/2024 12:49	WG2298126
sec-Butylbenzene	U		0.101	0.500	1	05/27/2024 12:49	WG2298126
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2024 12:49	WG2298126
Carbon disulfide	U		0.162	0.500	1	05/27/2024 12:49	WG2298126
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2024 12:49	WG2298126
Chlorobenzene	U		0.0229	0.100	1	05/27/2024 12:49	WG2298126
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2024 12:49	WG2298126
Chloroethane	U		0.0432	0.200	1	05/27/2024 12:49	WG2298126
Chloroform	U		0.0166	0.100	1	05/27/2024 12:49	WG2298126
Chloromethane	U		0.0556	0.500	1	05/27/2024 12:49	WG2298126
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2024 12:49	WG2298126
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2024 12:49	WG2298126
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/27/2024 12:49	WG2298126
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2024 12:49	WG2298126
Dibromomethane	U		0.0400	0.200	1	05/27/2024 12:49	WG2298126
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2024 12:49	WG2298126
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2024 12:49	WG2298126
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2024 12:49	WG2298126
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/27/2024 12:49	WG2298126
Dichlorodifluoromethane	U		0.0327	0.200	1	05/27/2024 12:49	WG2298126
1,1-Dichloroethane	0.753		0.0230	0.100	1	05/27/2024 12:49	WG2298126
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2024 12:49	WG2298126
1,1-Dichloroethene	U		0.0200	0.100	1	05/27/2024 12:49	WG2298126
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/27/2024 12:49	WG2298126
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/27/2024 12:49	WG2298126
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2024 12:49	WG2298126
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2024 12:49	WG2298126
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2024 12:49	WG2298126
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2024 12:49	WG2298126
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2024 12:49	WG2298126
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2024 12:49	WG2298126
Di-isopropyl ether	U		0.0140	0.0400	1	05/27/2024 12:49	WG2298126
Ethylbenzene	U		0.0212	0.100	1	05/27/2024 12:49	WG2298126
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/27/2024 12:49	WG2298126
2-Hexanone	U		0.400	1.00	1	05/27/2024 12:49	WG2298126
n-Hexane	U		0.0424	0.200	1	05/27/2024 12:49	WG2298126
Iodomethane	U		0.242	0.500	1	05/27/2024 12:49	WG2298126
Isopropylbenzene	U		0.0345	0.100	1	05/27/2024 12:49	WG2298126
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2024 12:49	WG2298126
2-Butanone (MEK)	U		0.500	1.00	1	05/27/2024 12:49	WG2298126
Methylene Chloride	U		0.265	1.00	1	05/27/2024 12:49	WG2298126
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2024 12:49	WG2298126
Methyl tert-butyl ether	0.0160	J	0.0118	0.0400	1	05/27/2024 12:49	WG2298126
Naphthalene	U		0.124	0.500	1	05/27/2024 12:49	WG2298126
n-Propylbenzene	U		0.0472	0.200	1	05/27/2024 12:49	WG2298126
Styrene	U		0.109	0.500	1	05/27/2024 12:49	WG2298126
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2024 12:49	WG2298126
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/27/2024 12:49	WG2298126

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/9/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2024 12:49	WG2298126
Tetrachloroethene	U		0.0280	0.100	1	05/27/2024 12:49	WG2298126
Toluene	U		0.0500	0.200	1	05/27/2024 12:49	WG2298126
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/27/2024 12:49	WG2298126
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/27/2024 12:49	WG2298126
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2024 12:49	WG2298126
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2024 12:49	WG2298126
Trichloroethene	U		0.0160	0.0400	1	05/27/2024 12:49	WG2298126
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2024 12:49	WG2298126
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2024 12:49	WG2298126
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2024 12:49	WG2298126
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2024 12:49	WG2298126
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2024 12:49	WG2298126
Vinyl acetate	U	UJ C3	0.141	0.500	1	05/27/2024 12:49	WG2298126
Vinyl chloride	0.347		0.0273	0.100	1	05/27/2024 12:49	WG2298126
Xylenes, Total	U		0.191	0.260	1	05/27/2024 12:49	WG2298126
(S) Toluene-d8	100			75.0-131		05/27/2024 12:49	WG2298126
(S) 4-Bromofluorobenzene	93.3			67.0-138		05/27/2024 12:49	WG2298126
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/27/2024 12:49	WG2298126

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	05/27/2024 13:09	WG2298126
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/27/2024 13:09	WG2298126
Benzene	0.0780		0.0160	0.0400	1	05/27/2024 13:09	WG2298126
Bromobenzene	U		0.0420	0.500	1	05/27/2024 13:09	WG2298126
Bromochloromethane	U		0.0452	0.200	1	05/27/2024 13:09	WG2298126
Bromodichloromethane	U		0.0315	0.100	1	05/27/2024 13:09	WG2298126
Bromoform	U		0.239	1.00	1	05/27/2024 13:09	WG2298126
Bromomethane	U		0.148	0.500	1	05/27/2024 13:09	WG2298126
n-Butylbenzene	U		0.153	0.500	1	05/27/2024 13:09	WG2298126
sec-Butylbenzene	U		0.101	0.500	1	05/27/2024 13:09	WG2298126
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2024 13:09	WG2298126
Carbon disulfide	U		0.162	0.500	1	05/27/2024 13:09	WG2298126
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2024 13:09	WG2298126
Chlorobenzene	U		0.0229	0.100	1	05/27/2024 13:09	WG2298126
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2024 13:09	WG2298126
Chloroethane	U		0.0432	0.200	1	05/27/2024 13:09	WG2298126
Chloroform	U		0.0166	0.100	1	05/27/2024 13:09	WG2298126
Chloromethane	U		0.0556	0.500	1	05/27/2024 13:09	WG2298126
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2024 13:09	WG2298126
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2024 13:09	WG2298126
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/27/2024 13:09	WG2298126
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2024 13:09	WG2298126
Dibromomethane	U		0.0400	0.200	1	05/27/2024 13:09	WG2298126
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2024 13:09	WG2298126
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2024 13:09	WG2298126
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2024 13:09	WG2298126
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/27/2024 13:09	WG2298126
Dichlorodifluoromethane	U		0.0327	0.200	1	05/27/2024 13:09	WG2298126
1,1-Dichloroethane	U		0.0230	0.100	1	05/27/2024 13:09	WG2298126
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2024 13:09	WG2298126
1,1-Dichloroethene	U		0.0200	0.100	1	05/27/2024 13:09	WG2298126
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/27/2024 13:09	WG2298126
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/27/2024 13:09	WG2298126
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2024 13:09	WG2298126
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2024 13:09	WG2298126
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2024 13:09	WG2298126
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2024 13:09	WG2298126
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2024 13:09	WG2298126
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2024 13:09	WG2298126
Di-isopropyl ether	U		0.0140	0.0400	1	05/27/2024 13:09	WG2298126
Ethylbenzene	U		0.0212	0.100	1	05/27/2024 13:09	WG2298126
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/27/2024 13:09	WG2298126
2-Hexanone	U		0.400	1.00	1	05/27/2024 13:09	WG2298126
n-Hexane	U		0.0424	0.200	1	05/27/2024 13:09	WG2298126
Iodomethane	U		0.242	0.500	1	05/27/2024 13:09	WG2298126
Isopropylbenzene	U		0.0345	0.100	1	05/27/2024 13:09	WG2298126
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2024 13:09	WG2298126
2-Butanone (MEK)	U		0.500	1.00	1	05/27/2024 13:09	WG2298126
Methylene Chloride	U		0.265	1.00	1	05/27/2024 13:09	WG2298126
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2024 13:09	WG2298126
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2024 13:09	WG2298126
Naphthalene	U		0.124	0.500	1	05/27/2024 13:09	WG2298126
n-Propylbenzene	U		0.0472	0.200	1	05/27/2024 13:09	WG2298126
Styrene	U		0.109	0.500	1	05/27/2024 13:09	WG2298126
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2024 13:09	WG2298126
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/27/2024 13:09	WG2298126

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2024 13:09	WG2298126
Tetrachloroethene	U		0.0280	0.100	1	05/27/2024 13:09	WG2298126
Toluene	U		0.0500	0.200	1	05/27/2024 13:09	WG2298126
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/27/2024 13:09	WG2298126
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/27/2024 13:09	WG2298126
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2024 13:09	WG2298126
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2024 13:09	WG2298126
Trichloroethene	U		0.0160	0.0400	1	05/27/2024 13:09	WG2298126
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2024 13:09	WG2298126
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2024 13:09	WG2298126
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2024 13:09	WG2298126
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2024 13:09	WG2298126
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2024 13:09	WG2298126
Vinyl acetate	U	UJ C3	0.141	0.500	1	05/27/2024 13:09	WG2298126
Vinyl chloride	0.651		0.0273	0.100	1	05/27/2024 13:09	WG2298126
Xylenes, Total	U		0.191	0.260	1	05/27/2024 13:09	WG2298126
(S) Toluene-d8	98.7			75.0-131		05/27/2024 13:09	WG2298126
(S) 4-Bromofluorobenzene	97.7			67.0-138		05/27/2024 13:09	WG2298126
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/27/2024 13:09	WG2298126

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Sulfate	22800		594	5000	1	06/05/2024 20:11	WG2298975

1

Cp

2

Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc

Wet Chemistry by Method 9060A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	7280		102	1000	1	06/03/2024 14:39	WG2297310

Metals (ICPMS) by Method 6020B

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Iron	4820		281	1000	10	07/01/2024 22:22	WG2294964
Manganese	3910		7.04	50.0	10	07/01/2024 22:22	WG2294964

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Methane	2920		0.287	0.678	1	05/30/2024 14:44	WG2294723
Ethane	33.6		0.296	1.29	1	05/30/2024 14:44	WG2294723
Ethene	1.14	J	0.422	1.27	1	05/30/2024 14:44	WG2294723

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	11.3	U	~~C3 J~~	11.0	20.0	20	05/27/2024 13:28	WG2298126
Acrylonitrile	U	UJ	~~C3~~	1.52	10.0	20	05/27/2024 13:28	WG2298126
Benzene	U		0.320	0.800	20	05/27/2024 13:28	WG2298126	
Bromobenzene	U		0.840	10.0	20	05/27/2024 13:28	WG2298126	
Bromochloromethane	U		0.904	4.00	20	05/27/2024 13:28	WG2298126	
Bromodichloromethane	U		0.630	2.00	20	05/27/2024 13:28	WG2298126	
Bromoform	U		4.78	20.0	20	05/27/2024 13:28	WG2298126	
Bromomethane	U		2.96	10.0	20	05/27/2024 13:28	WG2298126	
n-Butylbenzene	U		3.06	10.0	20	05/27/2024 13:28	WG2298126	
sec-Butylbenzene	U		2.02	10.0	20	05/27/2024 13:28	WG2298126	
tert-Butylbenzene	U		1.24	4.00	20	05/27/2024 13:28	WG2298126	
Carbon disulfide	U		3.24	10.0	20	05/27/2024 13:28	WG2298126	
Carbon tetrachloride	U		0.864	4.00	20	05/27/2024 13:28	WG2298126	
Chlorobenzene	U		0.458	2.00	20	05/27/2024 13:28	WG2298126	
Chlorodibromomethane	U		0.360	2.00	20	05/27/2024 13:28	WG2298126	
Chloroethane	U		0.864	4.00	20	05/27/2024 13:28	WG2298126	
Chloroform	U		0.332	2.00	20	05/27/2024 13:28	WG2298126	
Chloromethane	U		1.11	10.0	20	05/27/2024 13:28	WG2298126	
2-Chlorotoluene	U		0.736	2.00	20	05/27/2024 13:28	WG2298126	
4-Chlorotoluene	U		0.904	4.00	20	05/27/2024 13:28	WG2298126	
1,2-Dibromo-3-Chloropropane	U		4.08	20.0	20	05/27/2024 13:28	WG2298126	
1,2-Dibromoethane	U		0.420	2.00	20	05/27/2024 13:28	WG2298126	
Dibromomethane	U		0.800	4.00	20	05/27/2024 13:28	WG2298126	
1,2-Dichlorobenzene	U		1.16	4.00	20	05/27/2024 13:28	WG2298126	
1,3-Dichlorobenzene	U		1.36	4.00	20	05/27/2024 13:28	WG2298126	
1,4-Dichlorobenzene	U		1.58	4.00	20	05/27/2024 13:28	WG2298126	
trans-1,4-Dichloro-2-butene	U		1.12	4.00	20	05/27/2024 13:28	WG2298126	
Dichlorodifluoromethane	U		0.654	4.00	20	05/27/2024 13:28	WG2298126	
1,1-Dichloroethane	U		0.460	2.00	20	05/27/2024 13:28	WG2298126	
1,2-Dichloroethane	U		0.380	2.00	20	05/27/2024 13:28	WG2298126	
1,1-Dichloroethene	0.800	J	0.400	2.00	20	05/27/2024 13:28	WG2298126	

JC 7/9/24

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
cis-1,2-Dichloroethene	327		0.552	2.00	20	05/27/2024 13:28	WG2298126
trans-1,2-Dichloroethene	2.18	J	1.14	4.00	20	05/27/2024 13:28	WG2298126
1,2-Dichloropropane	U		1.02	4.00	20	05/27/2024 13:28	WG2298126
1,1-Dichloropropene	U		0.560	2.00	20	05/27/2024 13:28	WG2298126
1,3-Dichloropropane	U		1.40	4.00	20	05/27/2024 13:28	WG2298126
cis-1,3-Dichloropropene	U		0.542	2.00	20	05/27/2024 13:28	WG2298126
trans-1,3-Dichloropropene	U		1.22	4.00	20	05/27/2024 13:28	WG2298126
2,2-Dichloropropane	U		0.634	2.00	20	05/27/2024 13:28	WG2298126
Di-isopropyl ether	U		0.280	0.800	20	05/27/2024 13:28	WG2298126
Ethylbenzene	U		0.424	2.00	20	05/27/2024 13:28	WG2298126
Hexachloro-1,3-butadiene	U		10.2	20.0	20	05/27/2024 13:28	WG2298126
2-Hexanone	U		8.00	20.0	20	05/27/2024 13:28	WG2298126
n-Hexane	U		0.848	4.00	20	05/27/2024 13:28	WG2298126
Iodomethane	U		4.84	10.0	20	05/27/2024 13:28	WG2298126
Isopropylbenzene	U		0.690	2.00	20	05/27/2024 13:28	WG2298126
p-Isopropyltoluene	U		1.86	4.00	20	05/27/2024 13:28	WG2298126
2-Butanone (MEK)	U		10.0	20.0	20	05/27/2024 13:28	WG2298126
Methylene Chloride	U		5.30	20.0	20	05/27/2024 13:28	WG2298126
4-Methyl-2-pentanone (MIBK)	U		8.00	20.0	20	05/27/2024 13:28	WG2298126
Methyl tert-butyl ether	U		0.236	0.800	20	05/27/2024 13:28	WG2298126
Naphthalene	U		2.48	10.0	20	05/27/2024 13:28	WG2298126
n-Propylbenzene	U		0.944	4.00	20	05/27/2024 13:28	WG2298126
Styrene	U		2.18	10.0	20	05/27/2024 13:28	WG2298126
1,1,1,2-Tetrachloroethane	U		0.400	2.00	20	05/27/2024 13:28	WG2298126
1,1,2,2-Tetrachloroethane	U		0.312	2.00	20	05/27/2024 13:28	WG2298126
1,1,2-Trichlorotrifluoroethane	U		0.540	2.00	20	05/27/2024 13:28	WG2298126
Tetrachloroethene	180		0.560	2.00	20	05/27/2024 13:28	WG2298126
Toluene	U		1.00	4.00	20	05/27/2024 13:28	WG2298126
1,2,3-Trichlorobenzene	U		0.500	10.0	20	05/27/2024 13:28	WG2298126
1,2,4-Trichlorobenzene	U		3.86	10.0	20	05/27/2024 13:28	WG2298126
1,1,1-Trichloroethane	U		0.220	2.00	20	05/27/2024 13:28	WG2298126
1,1,2-Trichloroethane	U		0.706	2.00	20	05/27/2024 13:28	WG2298126
Trichloroethene	85.7		0.320	0.800	20	05/27/2024 13:28	WG2298126
Trichlorofluoromethane	U		0.400	2.00	20	05/27/2024 13:28	WG2298126
1,2,3-Trichloropropane	U		4.08	10.0	20	05/27/2024 13:28	WG2298126
1,2,4-Trimethylbenzene	U		0.928	4.00	20	05/27/2024 13:28	WG2298126
1,2,3-Trimethylbenzene	U		0.920	4.00	20	05/27/2024 13:28	WG2298126
1,3,5-Trimethylbenzene	U		0.864	4.00	20	05/27/2024 13:28	WG2298126
Vinyl acetate	U	UJ C3	2.82	10.0	20	05/27/2024 13:28	WG2298126
Vinyl chloride	6.70		0.546	2.00	20	05/27/2024 13:28	WG2298126
Xylenes, Total	U		3.82	5.20	20	05/27/2024 13:28	WG2298126
(S) Toluene-d8	99.6			75.0-131		05/27/2024 13:28	WG2298126
(S) 4-Bromofluorobenzene	95.4			67.0-138		05/27/2024 13:28	WG2298126
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/27/2024 13:28	WG2298126

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	1.38	U	~~C5 J4~~	0.548	1.00	1	05/28/2024 07:49	WG2293937
Acrylonitrile	U		~~J3~~	0.0760	0.500	1	05/28/2024 07:49	WG2293937
Benzene	0.0290		~~J~~	0.0160	0.0400	1	05/28/2024 07:49	WG2293937
Bromobenzene	U			0.0420	0.500	1	05/28/2024 07:49	WG2293937
Bromochloromethane	U			0.0452	0.200	1	05/28/2024 07:49	WG2293937
Bromodichloromethane	U			0.0315	0.100	1	05/28/2024 07:49	WG2293937
Bromoform	U			0.239	1.00	1	05/28/2024 07:49	WG2293937
Bromomethane	U			0.148	0.500	1	05/28/2024 07:49	WG2293937
n-Butylbenzene	U			0.153	0.500	1	05/28/2024 07:49	WG2293937
sec-Butylbenzene	U			0.101	0.500	1	05/28/2024 07:49	WG2293937
tert-Butylbenzene	U			0.0620	0.200	1	05/28/2024 07:49	WG2293937
Carbon disulfide	U			0.162	0.500	1	05/28/2024 07:49	WG2293937
Carbon tetrachloride	U			0.0432	0.200	1	05/28/2024 07:49	WG2293937
Chlorobenzene	U			0.0229	0.100	1	05/28/2024 07:49	WG2293937
Chlorodibromomethane	U			0.0180	0.100	1	05/28/2024 07:49	WG2293937
Chloroethane	U			0.0432	0.200	1	05/28/2024 07:49	WG2293937
Chloroform	U			0.0166	0.100	1	05/28/2024 07:49	WG2293937
Chloromethane	U			0.0556	0.500	1	05/28/2024 07:49	WG2293937
2-Chlorotoluene	U			0.0368	0.100	1	05/28/2024 07:49	WG2293937
4-Chlorotoluene	U			0.0452	0.200	1	05/28/2024 07:49	WG2293937
1,2-Dibromo-3-Chloropropane	U			0.204	1.00	1	05/28/2024 07:49	WG2293937
1,2-Dibromoethane	U			0.0210	0.100	1	05/28/2024 07:49	WG2293937
Dibromomethane	U			0.0400	0.200	1	05/28/2024 07:49	WG2293937
1,2-Dichlorobenzene	U			0.0580	0.200	1	05/28/2024 07:49	WG2293937
1,3-Dichlorobenzene	U			0.0680	0.200	1	05/28/2024 07:49	WG2293937
1,4-Dichlorobenzene	U			0.0788	0.200	1	05/28/2024 07:49	WG2293937
trans-1,4-Dichloro-2-butene	U			0.0560	0.200	1	05/28/2024 07:49	WG2293937
Dichlorodifluoromethane	U			0.0327	0.200	1	05/28/2024 07:49	WG2293937
1,1-Dichloroethane	U			0.0230	0.100	1	05/28/2024 07:49	WG2293937
1,2-Dichloroethane	U			0.0190	0.100	1	05/28/2024 07:49	WG2293937
1,1-Dichloroethene	U			0.0200	0.100	1	05/28/2024 07:49	WG2293937
cis-1,2-Dichloroethene	0.604			0.0276	0.100	1	05/28/2024 07:49	WG2293937
trans-1,2-Dichloroethene	U			0.0572	0.200	1	05/28/2024 07:49	WG2293937
1,2-Dichloropropane	U			0.0508	0.200	1	05/28/2024 07:49	WG2293937
1,1-Dichloropropene	U			0.0280	0.100	1	05/28/2024 07:49	WG2293937
1,3-Dichloropropane	U			0.0700	0.200	1	05/28/2024 07:49	WG2293937
cis-1,3-Dichloropropene	U			0.0271	0.100	1	05/28/2024 07:49	WG2293937
trans-1,3-Dichloropropene	U			0.0612	0.200	1	05/28/2024 07:49	WG2293937
2,2-Dichloropropane	U			0.0317	0.100	1	05/28/2024 07:49	WG2293937
Di-isopropyl ether	U			0.0140	0.0400	1	05/28/2024 07:49	WG2293937
Ethylbenzene	U			0.0212	0.100	1	05/28/2024 07:49	WG2293937
Hexachloro-1,3-butadiene	U			0.508	1.00	1	05/28/2024 07:49	WG2293937
2-Hexanone	U			0.400	1.00	1	05/28/2024 07:49	WG2293937
n-Hexane	U			0.0424	0.200	1	05/28/2024 07:49	WG2293937
Iodomethane	U			0.242	0.500	1	05/28/2024 07:49	WG2293937
Isopropylbenzene	U			0.0345	0.100	1	05/28/2024 07:49	WG2293937
p-Isopropyltoluene	U			0.0932	0.200	1	05/28/2024 07:49	WG2293937
2-Butanone (MEK)	U		~~J3~~	0.500	1.00	1	05/28/2024 07:49	WG2293937
Methylene Chloride	U			0.265	1.00	1	05/28/2024 07:49	WG2293937
4-Methyl-2-pentanone (MIBK)	U			0.400	1.00	1	05/28/2024 07:49	WG2293937
Methyl tert-butyl ether	U			0.0118	0.0400	1	05/28/2024 07:49	WG2293937
Naphthalene	U	UJ	~~C3 J3~~	0.124	0.500	1	05/28/2024 07:49	WG2293937
n-Propylbenzene	U			0.0472	0.200	1	05/28/2024 07:49	WG2293937
Styrene	U			0.109	0.500	1	05/28/2024 07:49	WG2293937
1,1,1,2-Tetrachloroethane	U			0.0200	0.100	1	05/28/2024 07:49	WG2293937
1,1,2,2-Tetrachloroethane	U			0.0156	0.100	1	05/28/2024 07:49	WG2293937

JC 7/9

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/9/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2024 07:49	WG2293937
Tetrachloroethene	U		0.0280	0.100	1	05/28/2024 07:49	WG2293937
Toluene	U		0.0500	0.200	1	05/28/2024 07:49	WG2293937
1,2,3-Trichlorobenzene	U	<u>J3</u>	0.0250	0.500	1	05/28/2024 07:49	WG2293937
1,2,4-Trichlorobenzene	U	<u>C3</u>	0.193	0.500	1	05/28/2024 07:49	WG2293937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2024 07:49	WG2293937
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2024 07:49	WG2293937
Trichloroethene	U		0.0160	0.0400	1	05/28/2024 07:49	WG2293937
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2024 07:49	WG2293937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/28/2024 07:49	WG2293937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2024 07:49	WG2293937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2024 07:49	WG2293937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2024 07:49	WG2293937
Vinyl acetate	U	<u>C3</u>	0.141	0.500	1	05/28/2024 07:49	WG2293937
Vinyl chloride	1.84		0.0273	0.100	1	05/28/2024 07:49	WG2293937
Xylenes, Total	U		0.191	0.260	1	05/28/2024 07:49	WG2293937
(S) Toluene-d8	98.6			75.0-131		05/28/2024 07:49	WG2293937
(S) 4-Bromofluorobenzene	105			67.0-138		05/28/2024 07:49	WG2293937
(S) 1,2-Dichloroethane-d4	101			70.0-130		05/28/2024 07:49	WG2293937

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	24.3	J+ C5 J4	11.0	20.0	20	05/28/2024 12:55	WG2293937
Acrylonitrile	U	J3	1.52	10.0	20	05/28/2024 12:55	WG2293937
Benzene	U		0.320	0.800	20	05/28/2024 12:55	WG2293937
Bromobenzene	U		0.840	10.0	20	05/28/2024 12:55	WG2293937
Bromochloromethane	U		0.904	4.00	20	05/28/2024 12:55	WG2293937
Bromodichloromethane	U		0.630	2.00	20	05/28/2024 12:55	WG2293937
Bromoform	U		4.78	20.0	20	05/28/2024 12:55	WG2293937
Bromomethane	U		2.96	10.0	20	05/28/2024 12:55	WG2293937
n-Butylbenzene	U		3.06	10.0	20	05/28/2024 12:55	WG2293937
sec-Butylbenzene	U		2.02	10.0	20	05/28/2024 12:55	WG2293937
tert-Butylbenzene	U		1.24	4.00	20	05/28/2024 12:55	WG2293937
Carbon disulfide	U		3.24	10.0	20	05/28/2024 12:55	WG2293937
Carbon tetrachloride	U		0.864	4.00	20	05/28/2024 12:55	WG2293937
Chlorobenzene	U		0.458	2.00	20	05/28/2024 12:55	WG2293937
Chlorodibromomethane	U		0.360	2.00	20	05/28/2024 12:55	WG2293937
Chloroethane	U		0.864	4.00	20	05/28/2024 12:55	WG2293937
Chloroform	U		0.332	2.00	20	05/28/2024 12:55	WG2293937
Chloromethane	U		1.11	10.0	20	05/28/2024 12:55	WG2293937
2-Chlorotoluene	U		0.736	2.00	20	05/28/2024 12:55	WG2293937
4-Chlorotoluene	U		0.904	4.00	20	05/28/2024 12:55	WG2293937
1,2-Dibromo-3-Chloropropane	U		4.08	20.0	20	05/28/2024 12:55	WG2293937
1,2-Dibromoethane	U		0.420	2.00	20	05/28/2024 12:55	WG2293937
Dibromomethane	U		0.800	4.00	20	05/28/2024 12:55	WG2293937
1,2-Dichlorobenzene	U		1.16	4.00	20	05/28/2024 12:55	WG2293937
1,3-Dichlorobenzene	U		1.36	4.00	20	05/28/2024 12:55	WG2293937
1,4-Dichlorobenzene	U		1.58	4.00	20	05/28/2024 12:55	WG2293937
trans-1,4-Dichloro-2-butene	U		1.12	4.00	20	05/28/2024 12:55	WG2293937
Dichlorodifluoromethane	U		0.654	4.00	20	05/28/2024 12:55	WG2293937
1,1-Dichloroethane	U		0.460	2.00	20	05/28/2024 12:55	WG2293937
1,2-Dichloroethane	U		0.380	2.00	20	05/28/2024 12:55	WG2293937
1,1-Dichloroethene	3.06		0.400	2.00	20	05/28/2024 12:55	WG2293937
cis-1,2-Dichloroethene	480		0.552	2.00	20	05/28/2024 12:55	WG2293937
trans-1,2-Dichloroethene	6.18		1.14	4.00	20	05/28/2024 12:55	WG2293937
1,2-Dichloropropane	U		1.02	4.00	20	05/28/2024 12:55	WG2293937
1,1-Dichloropropene	U		0.560	2.00	20	05/28/2024 12:55	WG2293937
1,3-Dichloropropane	U		1.40	4.00	20	05/28/2024 12:55	WG2293937
cis-1,3-Dichloropropene	U		0.542	2.00	20	05/28/2024 12:55	WG2293937
trans-1,3-Dichloropropene	U		1.22	4.00	20	05/28/2024 12:55	WG2293937
2,2-Dichloropropane	U		0.634	2.00	20	05/28/2024 12:55	WG2293937
Di-isopropyl ether	U		0.280	0.800	20	05/28/2024 12:55	WG2293937
Ethylbenzene	U		0.424	2.00	20	05/28/2024 12:55	WG2293937
Hexachloro-1,3-butadiene	U		10.2	20.0	20	05/28/2024 12:55	WG2293937
2-Hexanone	U		8.00	20.0	20	05/28/2024 12:55	WG2293937
n-Hexane	U		0.848	4.00	20	05/28/2024 12:55	WG2293937
Iodomethane	U		4.84	10.0	20	05/28/2024 12:55	WG2293937
Isopropylbenzene	U		0.690	2.00	20	05/28/2024 12:55	WG2293937
p-Isopropyltoluene	U		1.86	4.00	20	05/28/2024 12:55	WG2293937
2-Butanone (MEK)	U	J3	10.0	20.0	20	05/28/2024 12:55	WG2293937
Methylene Chloride	U		5.30	20.0	20	05/28/2024 12:55	WG2293937
4-Methyl-2-pentanone (MIBK)	U		8.00	20.0	20	05/28/2024 12:55	WG2293937
Methyl tert-butyl ether	U		0.236	0.800	20	05/28/2024 12:55	WG2293937
Naphthalene	U	UJ C3 J3	2.48	10.0	20	05/28/2024 12:55	WG2293937
n-Propylbenzene	U		0.944	4.00	20	05/28/2024 12:55	WG2293937
Styrene	U		2.18	10.0	20	05/28/2024 12:55	WG2293937
1,1,1,2-Tetrachloroethane	U		0.400	2.00	20	05/28/2024 12:55	WG2293937
1,1,2,2-Tetrachloroethane	U		0.312	2.00	20	05/28/2024 12:55	WG2293937

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.540	2.00	20	05/28/2024 12:55	WG2293937
Tetrachloroethene	U		0.560	2.00	20	05/28/2024 12:55	WG2293937
Toluene	U		1.00	4.00	20	05/28/2024 12:55	WG2293937
1,2,3-Trichlorobenzene	U	~~J3~~	0.500	10.0	20	05/28/2024 12:55	WG2293937
1,2,4-Trichlorobenzene	U	UJ <u>C3</u>	3.86	10.0	20	05/28/2024 12:55	WG2293937
1,1,1-Trichloroethane	U		0.220	2.00	20	05/28/2024 12:55	WG2293937
1,1,2-Trichloroethane	U		0.706	2.00	20	05/28/2024 12:55	WG2293937
Trichloroethene	2.92		0.320	0.800	20	05/28/2024 12:55	WG2293937
Trichlorofluoromethane	U		0.400	2.00	20	05/28/2024 12:55	WG2293937
1,2,3-Trichloropropane	U		4.08	10.0	20	05/28/2024 12:55	WG2293937
1,2,4-Trimethylbenzene	U		0.928	4.00	20	05/28/2024 12:55	WG2293937
1,2,3-Trimethylbenzene	U		0.920	4.00	20	05/28/2024 12:55	WG2293937
1,3,5-Trimethylbenzene	U		0.864	4.00	20	05/28/2024 12:55	WG2293937
Vinyl acetate	U	UJ <u>C3</u>	2.82	10.0	20	05/28/2024 12:55	WG2293937
Vinyl chloride	93.4		0.546	2.00	20	05/28/2024 12:55	WG2293937
Xylenes, Total	U		3.82	5.20	20	05/28/2024 12:55	WG2293937
(S) Toluene-d8	98.8			75.0-131		05/28/2024 12:55	WG2293937
(S) 4-Bromofluorobenzene	104			67.0-138		05/28/2024 12:55	WG2293937
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/28/2024 12:55	WG2293937

Sample Narrative:

L1739256-09 WG2293937: Target compounds too high to run at a lower dilution.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	1310	J	594	5000	1	06/06/2024 05:51	WG2298993

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	828	J	102	1000	1	06/06/2024 16:14	WG2298056

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	1650		28.1	100	1	05/30/2024 18:47	WG2294968
Manganese	145		0.704	5.00	1	05/30/2024 18:47	WG2294968

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	40.7		0.287	0.678	1	05/30/2024 14:50	WG2294723
Ethane	U		0.296	1.29	1	05/30/2024 14:50	WG2294723
Ethene	U		0.422	1.27	1	05/30/2024 14:50	WG2294723

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U	J4	0.548	1.00	1	05/28/2024 08:08	WG2293937
Acrylonitrile	U	J3	0.0760	0.500	1	05/28/2024 08:08	WG2293937
Benzene	U		0.0160	0.0400	1	05/28/2024 08:08	WG2293937
Bromobenzene	U		0.0420	0.500	1	05/28/2024 08:08	WG2293937
Bromochloromethane	U		0.0452	0.200	1	05/28/2024 08:08	WG2293937
Bromodichloromethane	U		0.0315	0.100	1	05/28/2024 08:08	WG2293937
Bromoform	U		0.239	1.00	1	05/28/2024 08:08	WG2293937
Bromomethane	U		0.148	0.500	1	05/28/2024 08:08	WG2293937
n-Butylbenzene	U		0.153	0.500	1	05/28/2024 08:08	WG2293937
sec-Butylbenzene	U		0.101	0.500	1	05/28/2024 08:08	WG2293937
tert-Butylbenzene	U		0.0620	0.200	1	05/28/2024 08:08	WG2293937
Carbon disulfide	U		0.162	0.500	1	05/28/2024 08:08	WG2293937
Carbon tetrachloride	U		0.0432	0.200	1	05/28/2024 08:08	WG2293937
Chlorobenzene	U		0.0229	0.100	1	05/28/2024 08:08	WG2293937
Chlorodibromomethane	U		0.0180	0.100	1	05/28/2024 08:08	WG2293937
Chloroethane	U		0.0432	0.200	1	05/28/2024 08:08	WG2293937
Chloroform	U		0.0166	0.100	1	05/28/2024 08:08	WG2293937
Chloromethane	U		0.0556	0.500	1	05/28/2024 08:08	WG2293937
2-Chlorotoluene	U		0.0368	0.100	1	05/28/2024 08:08	WG2293937
4-Chlorotoluene	U		0.0452	0.200	1	05/28/2024 08:08	WG2293937
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/28/2024 08:08	WG2293937
1,2-Dibromoethane	U		0.0210	0.100	1	05/28/2024 08:08	WG2293937
Dibromomethane	U		0.0400	0.200	1	05/28/2024 08:08	WG2293937
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/28/2024 08:08	WG2293937
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/28/2024 08:08	WG2293937
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/28/2024 08:08	WG2293937
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/28/2024 08:08	WG2293937
Dichlorodifluoromethane	U		0.0327	0.200	1	05/28/2024 08:08	WG2293937
1,1-Dichloroethane	U		0.0230	0.100	1	05/28/2024 08:08	WG2293937
1,2-Dichloroethane	U		0.0190	0.100	1	05/28/2024 08:08	WG2293937
1,1-Dichloroethene	U		0.0200	0.100	1	05/28/2024 08:08	WG2293937

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	2.05		0.0276	0.100	1	05/28/2024 08:08	WG2293937
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/28/2024 08:08	WG2293937
1,2-Dichloropropane	U		0.0508	0.200	1	05/28/2024 08:08	WG2293937
1,1-Dichloropropene	U		0.0280	0.100	1	05/28/2024 08:08	WG2293937
1,3-Dichloropropane	U		0.0700	0.200	1	05/28/2024 08:08	WG2293937
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/28/2024 08:08	WG2293937
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/28/2024 08:08	WG2293937
2,2-Dichloropropane	U		0.0317	0.100	1	05/28/2024 08:08	WG2293937
Di-isopropyl ether	U		0.0140	0.0400	1	05/28/2024 08:08	WG2293937
Ethylbenzene	U		0.0212	0.100	1	05/28/2024 08:08	WG2293937
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/28/2024 08:08	WG2293937
2-Hexanone	U		0.400	1.00	1	05/28/2024 08:08	WG2293937
n-Hexane	U		0.0424	0.200	1	05/28/2024 08:08	WG2293937
Iodomethane	U		0.242	0.500	1	05/28/2024 08:08	WG2293937
Isopropylbenzene	U		0.0345	0.100	1	05/28/2024 08:08	WG2293937
p-Isopropyltoluene	U		0.0932	0.200	1	05/28/2024 08:08	WG2293937
2-Butanone (MEK)	U	~~J3~~	0.500	1.00	1	05/28/2024 08:08	WG2293937
Methylene Chloride	U		0.265	1.00	1	05/28/2024 08:08	WG2293937
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/28/2024 08:08	WG2293937
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/28/2024 08:08	WG2293937
Naphthalene	U	UJ ~~C3 J3~~	0.124	0.500	1	05/28/2024 08:08	WG2293937
n-Propylbenzene	U		0.0472	0.200	1	05/28/2024 08:08	WG2293937
Styrene	U		0.109	0.500	1	05/28/2024 08:08	WG2293937
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/28/2024 08:08	WG2293937
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/28/2024 08:08	WG2293937
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2024 08:08	WG2293937
Tetrachloroethene	0.216		0.0280	0.100	1	05/28/2024 08:08	WG2293937
Toluene	U		0.0500	0.200	1	05/28/2024 08:08	WG2293937
1,2,3-Trichlorobenzene	U	~~J3~~	0.0250	0.500	1	05/28/2024 08:08	WG2293937
1,2,4-Trichlorobenzene	U	UJ ~~C3~~	0.193	0.500	1	05/28/2024 08:08	WG2293937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2024 08:08	WG2293937
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2024 08:08	WG2293937
Trichloroethene	U		0.0160	0.0400	1	05/28/2024 08:08	WG2293937
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2024 08:08	WG2293937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/28/2024 08:08	WG2293937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2024 08:08	WG2293937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2024 08:08	WG2293937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2024 08:08	WG2293937
Vinyl acetate	U	UJ ~~C3~~	0.141	0.500	1	05/28/2024 08:08	WG2293937
Vinyl chloride	U		0.0273	0.100	1	05/28/2024 08:08	WG2293937
Xylenes, Total	U		0.191	0.260	1	05/28/2024 08:08	WG2293937
(S) Toluene-d8	99.0			75.0-131		05/28/2024 08:08	WG2293937
(S) 4-Bromofluorobenzene	106			67.0-138		05/28/2024 08:08	WG2293937
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/28/2024 08:08	WG2293937

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	1.67	U	~~C5 J4~~	0.548	1.00	1	05/28/2024 08:27	WG2293937
Acrylonitrile	U		~~J3~~	0.0760	0.500	1	05/28/2024 08:27	WG2293937
Benzene	U			0.0160	0.0400	1	05/28/2024 08:27	WG2293937
Bromobenzene	U			0.0420	0.500	1	05/28/2024 08:27	WG2293937
Bromochloromethane	U			0.0452	0.200	1	05/28/2024 08:27	WG2293937
Bromodichloromethane	U			0.0315	0.100	1	05/28/2024 08:27	WG2293937
Bromoform	U			0.239	1.00	1	05/28/2024 08:27	WG2293937
Bromomethane	U			0.148	0.500	1	05/28/2024 08:27	WG2293937
n-Butylbenzene	U			0.153	0.500	1	05/28/2024 08:27	WG2293937
sec-Butylbenzene	U			0.101	0.500	1	05/28/2024 08:27	WG2293937
tert-Butylbenzene	U			0.0620	0.200	1	05/28/2024 08:27	WG2293937
Carbon disulfide	U			0.162	0.500	1	05/28/2024 08:27	WG2293937
Carbon tetrachloride	U			0.0432	0.200	1	05/28/2024 08:27	WG2293937
Chlorobenzene	U			0.0229	0.100	1	05/28/2024 08:27	WG2293937
Chlorodibromomethane	U			0.0180	0.100	1	05/28/2024 08:27	WG2293937
Chloroethane	U			0.0432	0.200	1	05/28/2024 08:27	WG2293937
Chloroform	U			0.0166	0.100	1	05/28/2024 08:27	WG2293937
Chloromethane	U			0.0556	0.500	1	05/28/2024 08:27	WG2293937
2-Chlorotoluene	U			0.0368	0.100	1	05/28/2024 08:27	WG2293937
4-Chlorotoluene	U			0.0452	0.200	1	05/28/2024 08:27	WG2293937
1,2-Dibromo-3-Chloropropane	U			0.204	1.00	1	05/28/2024 08:27	WG2293937
1,2-Dibromoethane	U			0.0210	0.100	1	05/28/2024 08:27	WG2293937
Dibromomethane	U			0.0400	0.200	1	05/28/2024 08:27	WG2293937
1,2-Dichlorobenzene	U			0.0580	0.200	1	05/28/2024 08:27	WG2293937
1,3-Dichlorobenzene	U			0.0680	0.200	1	05/28/2024 08:27	WG2293937
1,4-Dichlorobenzene	U			0.0788	0.200	1	05/28/2024 08:27	WG2293937
trans-1,4-Dichloro-2-butene	U			0.0560	0.200	1	05/28/2024 08:27	WG2293937
Dichlorodifluoromethane	U			0.0327	0.200	1	05/28/2024 08:27	WG2293937
1,1-Dichloroethane	U			0.0230	0.100	1	05/28/2024 08:27	WG2293937
1,2-Dichloroethane	U			0.0190	0.100	1	05/28/2024 08:27	WG2293937
1,1-Dichloroethene	U			0.0200	0.100	1	05/28/2024 08:27	WG2293937
cis-1,2-Dichloroethene	U			0.0276	0.100	1	05/28/2024 08:27	WG2293937
trans-1,2-Dichloroethene	U			0.0572	0.200	1	05/28/2024 08:27	WG2293937
1,2-Dichloropropane	U			0.0508	0.200	1	05/28/2024 08:27	WG2293937
1,1-Dichloropropene	U			0.0280	0.100	1	05/28/2024 08:27	WG2293937
1,3-Dichloropropane	U			0.0700	0.200	1	05/28/2024 08:27	WG2293937
cis-1,3-Dichloropropene	U			0.0271	0.100	1	05/28/2024 08:27	WG2293937
trans-1,3-Dichloropropene	U			0.0612	0.200	1	05/28/2024 08:27	WG2293937
2,2-Dichloropropane	U			0.0317	0.100	1	05/28/2024 08:27	WG2293937
Di-isopropyl ether	U			0.0140	0.0400	1	05/28/2024 08:27	WG2293937
Ethylbenzene	U			0.0212	0.100	1	05/28/2024 08:27	WG2293937
Hexachloro-1,3-butadiene	U			0.508	1.00	1	05/28/2024 08:27	WG2293937
2-Hexanone	U			0.400	1.00	1	05/28/2024 08:27	WG2293937
n-Hexane	U			0.0424	0.200	1	05/28/2024 08:27	WG2293937
Iodomethane	U			0.242	0.500	1	05/28/2024 08:27	WG2293937
Isopropylbenzene	U			0.0345	0.100	1	05/28/2024 08:27	WG2293937
p-Isopropyltoluene	U			0.0932	0.200	1	05/28/2024 08:27	WG2293937
2-Butanone (MEK)	U		~~J3~~	0.500	1.00	1	05/28/2024 08:27	WG2293937
Methylene Chloride	U			0.265	1.00	1	05/28/2024 08:27	WG2293937
4-Methyl-2-pentanone (MIBK)	U			0.400	1.00	1	05/28/2024 08:27	WG2293937
Methyl tert-butyl ether	U			0.0118	0.0400	1	05/28/2024 08:27	WG2293937
Naphthalene	U	UJ	~~C3 J3~~	0.124	0.500	1	05/28/2024 08:27	WG2293937
n-Propylbenzene	U			0.0472	0.200	1	05/28/2024 08:27	WG2293937
Styrene	U			0.109	0.500	1	05/28/2024 08:27	WG2293937
1,1,1,2-Tetrachloroethane	U			0.0200	0.100	1	05/28/2024 08:27	WG2293937
1,1,2,2-Tetrachloroethane	U			0.0156	0.100	1	05/28/2024 08:27	WG2293937

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/9/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2024 08:27	WG2293937
Tetrachloroethene	U		0.0280	0.100	1	05/28/2024 08:27	WG2293937
Toluene	U		0.0500	0.200	1	05/28/2024 08:27	WG2293937
1,2,3-Trichlorobenzene	U	~~C3~~	0.0250	0.500	1	05/28/2024 08:27	WG2293937
1,2,4-Trichlorobenzene	U	UJ <u>C3</u>	0.193	0.500	1	05/28/2024 08:27	WG2293937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2024 08:27	WG2293937
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2024 08:27	WG2293937
Trichloroethene	U		0.0160	0.0400	1	05/28/2024 08:27	WG2293937
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2024 08:27	WG2293937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/28/2024 08:27	WG2293937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2024 08:27	WG2293937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2024 08:27	WG2293937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2024 08:27	WG2293937
Vinyl acetate	U	UJ <u>C3</u>	0.141	0.500	1	05/28/2024 08:27	WG2293937
Vinyl chloride	U		0.0273	0.100	1	05/28/2024 08:27	WG2293937
Xylenes, Total	U		0.191	0.260	1	05/28/2024 08:27	WG2293937
(S) Toluene-d8	102			75.0-131		05/28/2024 08:27	WG2293937
(S) 4-Bromofluorobenzene	104			67.0-138		05/28/2024 08:27	WG2293937
(S) 1,2-Dichloroethane-d4	99.2			70.0-130		05/28/2024 08:27	WG2293937

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	1.86	U	~~C5 J4~~	0.548	1.00	1	05/28/2024 08:46	WG2293937
Acrylonitrile	U		~~J3~~	0.0760	0.500	1	05/28/2024 08:46	WG2293937
Benzene	0.0340		J	0.0160	0.0400	1	05/28/2024 08:46	WG2293937
Bromobenzene	U			0.0420	0.500	1	05/28/2024 08:46	WG2293937
Bromochloromethane	U			0.0452	0.200	1	05/28/2024 08:46	WG2293937
Bromodichloromethane	U			0.0315	0.100	1	05/28/2024 08:46	WG2293937
Bromoform	U			0.239	1.00	1	05/28/2024 08:46	WG2293937
Bromomethane	U			0.148	0.500	1	05/28/2024 08:46	WG2293937
n-Butylbenzene	U			0.153	0.500	1	05/28/2024 08:46	WG2293937
sec-Butylbenzene	U			0.101	0.500	1	05/28/2024 08:46	WG2293937
tert-Butylbenzene	U			0.0620	0.200	1	05/28/2024 08:46	WG2293937
Carbon disulfide	U			0.162	0.500	1	05/28/2024 08:46	WG2293937
Carbon tetrachloride	U			0.0432	0.200	1	05/28/2024 08:46	WG2293937
Chlorobenzene	U			0.0229	0.100	1	05/28/2024 08:46	WG2293937
Chlorodibromomethane	U			0.0180	0.100	1	05/28/2024 08:46	WG2293937
Chloroethane	U			0.0432	0.200	1	05/28/2024 08:46	WG2293937
Chloroform	U			0.0166	0.100	1	05/28/2024 08:46	WG2293937
Chloromethane	U			0.0556	0.500	1	05/28/2024 08:46	WG2293937
2-Chlorotoluene	U			0.0368	0.100	1	05/28/2024 08:46	WG2293937
4-Chlorotoluene	U			0.0452	0.200	1	05/28/2024 08:46	WG2293937
1,2-Dibromo-3-Chloropropane	U			0.204	1.00	1	05/28/2024 08:46	WG2293937
1,2-Dibromoethane	U			0.0210	0.100	1	05/28/2024 08:46	WG2293937
Dibromomethane	U			0.0400	0.200	1	05/28/2024 08:46	WG2293937
1,2-Dichlorobenzene	U			0.0580	0.200	1	05/28/2024 08:46	WG2293937
1,3-Dichlorobenzene	U			0.0680	0.200	1	05/28/2024 08:46	WG2293937
1,4-Dichlorobenzene	U			0.0788	0.200	1	05/28/2024 08:46	WG2293937
trans-1,4-Dichloro-2-butene	U			0.0560	0.200	1	05/28/2024 08:46	WG2293937
Dichlorodifluoromethane	U			0.0327	0.200	1	05/28/2024 08:46	WG2293937
1,1-Dichloroethane	U			0.0230	0.100	1	05/28/2024 08:46	WG2293937
1,2-Dichloroethane	U			0.0190	0.100	1	05/28/2024 08:46	WG2293937
1,1-Dichloroethene	U			0.0200	0.100	1	05/28/2024 08:46	WG2293937
cis-1,2-Dichloroethene	0.281			0.0276	0.100	1	05/28/2024 08:46	WG2293937
trans-1,2-Dichloroethene	U			0.0572	0.200	1	05/28/2024 08:46	WG2293937
1,2-Dichloropropane	U			0.0508	0.200	1	05/28/2024 08:46	WG2293937
1,1-Dichloropropene	U			0.0280	0.100	1	05/28/2024 08:46	WG2293937
1,3-Dichloropropane	U			0.0700	0.200	1	05/28/2024 08:46	WG2293937
cis-1,3-Dichloropropene	U			0.0271	0.100	1	05/28/2024 08:46	WG2293937
trans-1,3-Dichloropropene	U			0.0612	0.200	1	05/28/2024 08:46	WG2293937
2,2-Dichloropropane	U			0.0317	0.100	1	05/28/2024 08:46	WG2293937
Di-isopropyl ether	U			0.0140	0.0400	1	05/28/2024 08:46	WG2293937
Ethylbenzene	U			0.0212	0.100	1	05/28/2024 08:46	WG2293937
Hexachloro-1,3-butadiene	U			0.508	1.00	1	05/28/2024 08:46	WG2293937
2-Hexanone	U			0.400	1.00	1	05/28/2024 08:46	WG2293937
n-Hexane	U			0.0424	0.200	1	05/28/2024 08:46	WG2293937
Iodomethane	U			0.242	0.500	1	05/28/2024 08:46	WG2293937
Isopropylbenzene	U			0.0345	0.100	1	05/28/2024 08:46	WG2293937
p-Isopropyltoluene	U			0.0932	0.200	1	05/28/2024 08:46	WG2293937
2-Butanone (MEK)	U		~~J3~~	0.500	1.00	1	05/28/2024 08:46	WG2293937
Methylene Chloride	U			0.265	1.00	1	05/28/2024 08:46	WG2293937
4-Methyl-2-pentanone (MIBK)	U			0.400	1.00	1	05/28/2024 08:46	WG2293937
Methyl tert-butyl ether	U			0.0118	0.0400	1	05/28/2024 08:46	WG2293937
Napthalene	U	UJ	~~C3 J3~~	0.124	0.500	1	05/28/2024 08:46	WG2293937
n-Propylbenzene	U			0.0472	0.200	1	05/28/2024 08:46	WG2293937
Styrene	U			0.109	0.500	1	05/28/2024 08:46	WG2293937
1,1,1,2-Tetrachloroethane	U			0.0200	0.100	1	05/28/2024 08:46	WG2293937
1,1,2,2-Tetrachloroethane	U			0.0156	0.100	1	05/28/2024 08:46	WG2293937

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/9/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2024 08:46	WG2293937
Tetrachloroethene	U		0.0280	0.100	1	05/28/2024 08:46	WG2293937
Toluene	U		0.0500	0.200	1	05/28/2024 08:46	WG2293937
1,2,3-Trichlorobenzene	U	~~C3~~	0.0250	0.500	1	05/28/2024 08:46	WG2293937
1,2,4-Trichlorobenzene	U	UJ <u>C3</u>	0.193	0.500	1	05/28/2024 08:46	WG2293937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2024 08:46	WG2293937
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2024 08:46	WG2293937
Trichloroethene	U		0.0160	0.0400	1	05/28/2024 08:46	WG2293937
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2024 08:46	WG2293937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/28/2024 08:46	WG2293937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2024 08:46	WG2293937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2024 08:46	WG2293937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2024 08:46	WG2293937
Vinyl acetate	U	UJ <u>C3</u>	0.141	0.500	1	05/28/2024 08:46	WG2293937
Vinyl chloride	0.477		0.0273	0.100	1	05/28/2024 08:46	WG2293937
Xylenes, Total	U		0.191	0.260	1	05/28/2024 08:46	WG2293937
(S) Toluene-d8	99.7			75.0-131		05/28/2024 08:46	WG2293937
(S) 4-Bromofluorobenzene	103			67.0-138		05/28/2024 08:46	WG2293937
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/28/2024 08:46	WG2293937

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	~~J4~~	0.548	1.00	1	05/28/2024 09:05	WG2293937
Acrylonitrile	U	~~J3~~	0.0760	0.500	1	05/28/2024 09:05	WG2293937
Benzene	U		0.0160	0.0400	1	05/28/2024 09:05	WG2293937
Bromobenzene	U		0.0420	0.500	1	05/28/2024 09:05	WG2293937
Bromochloromethane	U		0.0452	0.200	1	05/28/2024 09:05	WG2293937
Bromodichloromethane	U		0.0315	0.100	1	05/28/2024 09:05	WG2293937
Bromoform	U		0.239	1.00	1	05/28/2024 09:05	WG2293937
Bromomethane	U		0.148	0.500	1	05/28/2024 09:05	WG2293937
n-Butylbenzene	U		0.153	0.500	1	05/28/2024 09:05	WG2293937
sec-Butylbenzene	U		0.101	0.500	1	05/28/2024 09:05	WG2293937
tert-Butylbenzene	U		0.0620	0.200	1	05/28/2024 09:05	WG2293937
Carbon disulfide	U		0.162	0.500	1	05/28/2024 09:05	WG2293937
Carbon tetrachloride	U		0.0432	0.200	1	05/28/2024 09:05	WG2293937
Chlorobenzene	U		0.0229	0.100	1	05/28/2024 09:05	WG2293937
Chlorodibromomethane	U		0.0180	0.100	1	05/28/2024 09:05	WG2293937
Chloroethane	U		0.0432	0.200	1	05/28/2024 09:05	WG2293937
Chloroform	U		0.0166	0.100	1	05/28/2024 09:05	WG2293937
Chloromethane	U		0.0556	0.500	1	05/28/2024 09:05	WG2293937
2-Chlorotoluene	U		0.0368	0.100	1	05/28/2024 09:05	WG2293937
4-Chlorotoluene	U		0.0452	0.200	1	05/28/2024 09:05	WG2293937
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/28/2024 09:05	WG2293937
1,2-Dibromoethane	U		0.0210	0.100	1	05/28/2024 09:05	WG2293937
Dibromomethane	U		0.0400	0.200	1	05/28/2024 09:05	WG2293937
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/28/2024 09:05	WG2293937
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/28/2024 09:05	WG2293937
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/28/2024 09:05	WG2293937
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/28/2024 09:05	WG2293937
Dichlorodifluoromethane	U		0.0327	0.200	1	05/28/2024 09:05	WG2293937
1,1-Dichloroethane	U		0.0230	0.100	1	05/28/2024 09:05	WG2293937
1,2-Dichloroethane	U		0.0190	0.100	1	05/28/2024 09:05	WG2293937
1,1-Dichloroethene	U		0.0200	0.100	1	05/28/2024 09:05	WG2293937
cis-1,2-Dichloroethene	0.602		0.0276	0.100	1	05/28/2024 09:05	WG2293937
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/28/2024 09:05	WG2293937
1,2-Dichloropropane	U		0.0508	0.200	1	05/28/2024 09:05	WG2293937
1,1-Dichloropropene	U		0.0280	0.100	1	05/28/2024 09:05	WG2293937
1,3-Dichloropropane	U		0.0700	0.200	1	05/28/2024 09:05	WG2293937
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/28/2024 09:05	WG2293937
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/28/2024 09:05	WG2293937
2,2-Dichloropropane	U		0.0317	0.100	1	05/28/2024 09:05	WG2293937
Di-isopropyl ether	U		0.0140	0.0400	1	05/28/2024 09:05	WG2293937
Ethylbenzene	U		0.0212	0.100	1	05/28/2024 09:05	WG2293937
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/28/2024 09:05	WG2293937
2-Hexanone	U		0.400	1.00	1	05/28/2024 09:05	WG2293937
n-Hexane	U		0.0424	0.200	1	05/28/2024 09:05	WG2293937
Iodomethane	U		0.242	0.500	1	05/28/2024 09:05	WG2293937
Isopropylbenzene	U		0.0345	0.100	1	05/28/2024 09:05	WG2293937
p-Isopropyltoluene	U		0.0932	0.200	1	05/28/2024 09:05	WG2293937
2-Butanone (MEK)	U	~~J3~~	0.500	1.00	1	05/28/2024 09:05	WG2293937
Methylene Chloride	U		0.265	1.00	1	05/28/2024 09:05	WG2293937
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/28/2024 09:05	WG2293937
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/28/2024 09:05	WG2293937
Naphthalene	U	UJ ~~C3 J3~~	0.124	0.500	1	05/28/2024 09:05	WG2293937
n-Propylbenzene	U		0.0472	0.200	1	05/28/2024 09:05	WG2293937
Styrene	U		0.109	0.500	1	05/28/2024 09:05	WG2293937
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/28/2024 09:05	WG2293937
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/28/2024 09:05	WG2293937

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2024 09:05	WG2293937
Tetrachloroethene	0.606		0.0280	0.100	1	05/28/2024 09:05	WG2293937
Toluene	U		0.0500	0.200	1	05/28/2024 09:05	WG2293937
1,2,3-Trichlorobenzene	U	~~JS~~	0.0250	0.500	1	05/28/2024 09:05	WG2293937
1,2,4-Trichlorobenzene	U	UJ <u>C3</u>	0.193	0.500	1	05/28/2024 09:05	WG2293937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2024 09:05	WG2293937
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2024 09:05	WG2293937
Trichloroethene	0.254		0.0160	0.0400	1	05/28/2024 09:05	WG2293937
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2024 09:05	WG2293937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/28/2024 09:05	WG2293937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2024 09:05	WG2293937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2024 09:05	WG2293937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2024 09:05	WG2293937
Vinyl acetate	U	UJ <u>C3</u>	0.141	0.500	1	05/28/2024 09:05	WG2293937
Vinyl chloride	U		0.0273	0.100	1	05/28/2024 09:05	WG2293937
Xylenes, Total	U		0.191	0.260	1	05/28/2024 09:05	WG2293937
(S) Toluene-d8	98.4			75.0-131		05/28/2024 09:05	WG2293937
(S) 4-Bromofluorobenzene	104			67.0-138		05/28/2024 09:05	WG2293937
(S) 1,2-Dichloroethane-d4	100			70.0-130		05/28/2024 09:05	WG2293937

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

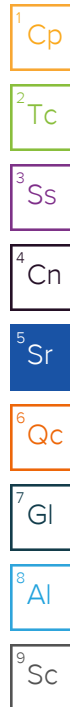
7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	~~J4~~	0.548	1.00	1	05/28/2024 09:24	WG2293937
Acrylonitrile	U	~~J3~~	0.0760	0.500	1	05/28/2024 09:24	WG2293937
Benzene	0.0700		0.0160	0.0400	1	05/28/2024 09:24	WG2293937
Bromobenzene	U		0.0420	0.500	1	05/28/2024 09:24	WG2293937
Bromochloromethane	U		0.0452	0.200	1	05/28/2024 09:24	WG2293937
Bromodichloromethane	U		0.0315	0.100	1	05/28/2024 09:24	WG2293937
Bromoform	U		0.239	1.00	1	05/28/2024 09:24	WG2293937
Bromomethane	U		0.148	0.500	1	05/28/2024 09:24	WG2293937
n-Butylbenzene	U		0.153	0.500	1	05/28/2024 09:24	WG2293937
sec-Butylbenzene	U		0.101	0.500	1	05/28/2024 09:24	WG2293937
tert-Butylbenzene	U		0.0620	0.200	1	05/28/2024 09:24	WG2293937
Carbon disulfide	U		0.162	0.500	1	05/28/2024 09:24	WG2293937
Carbon tetrachloride	U		0.0432	0.200	1	05/28/2024 09:24	WG2293937
Chlorobenzene	U		0.0229	0.100	1	05/28/2024 09:24	WG2293937
Chlorodibromomethane	U		0.0180	0.100	1	05/28/2024 09:24	WG2293937
Chloroethane	U		0.0432	0.200	1	05/28/2024 09:24	WG2293937
Chloroform	U		0.0166	0.100	1	05/28/2024 09:24	WG2293937
Chloromethane	U		0.0556	0.500	1	05/28/2024 09:24	WG2293937
2-Chlorotoluene	U		0.0368	0.100	1	05/28/2024 09:24	WG2293937
4-Chlorotoluene	U		0.0452	0.200	1	05/28/2024 09:24	WG2293937
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/28/2024 09:24	WG2293937
1,2-Dibromoethane	U		0.0210	0.100	1	05/28/2024 09:24	WG2293937
Dibromomethane	U		0.0400	0.200	1	05/28/2024 09:24	WG2293937
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/28/2024 09:24	WG2293937
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/28/2024 09:24	WG2293937
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/28/2024 09:24	WG2293937
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/28/2024 09:24	WG2293937
Dichlorodifluoromethane	U		0.0327	0.200	1	05/28/2024 09:24	WG2293937
1,1-Dichloroethane	U		0.0230	0.100	1	05/28/2024 09:24	WG2293937
1,2-Dichloroethane	U		0.0190	0.100	1	05/28/2024 09:24	WG2293937
1,1-Dichloroethene	U		0.0200	0.100	1	05/28/2024 09:24	WG2293937
cis-1,2-Dichloroethene	0.130		0.0276	0.100	1	05/28/2024 09:24	WG2293937
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/28/2024 09:24	WG2293937
1,2-Dichloropropane	U		0.0508	0.200	1	05/28/2024 09:24	WG2293937
1,1-Dichloropropene	U		0.0280	0.100	1	05/28/2024 09:24	WG2293937
1,3-Dichloropropane	U		0.0700	0.200	1	05/28/2024 09:24	WG2293937
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/28/2024 09:24	WG2293937
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/28/2024 09:24	WG2293937
2,2-Dichloropropane	U		0.0317	0.100	1	05/28/2024 09:24	WG2293937
Di-isopropyl ether	U		0.0140	0.0400	1	05/28/2024 09:24	WG2293937
Ethylbenzene	U		0.0212	0.100	1	05/28/2024 09:24	WG2293937
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/28/2024 09:24	WG2293937
2-Hexanone	U		0.400	1.00	1	05/28/2024 09:24	WG2293937
n-Hexane	U		0.0424	0.200	1	05/28/2024 09:24	WG2293937
Iodomethane	U		0.242	0.500	1	05/28/2024 09:24	WG2293937
Isopropylbenzene	U		0.0345	0.100	1	05/28/2024 09:24	WG2293937
p-Isopropyltoluene	U		0.0932	0.200	1	05/28/2024 09:24	WG2293937
2-Butanone (MEK)	U	~~J2~~	0.500	1.00	1	05/28/2024 09:24	WG2293937
Methylene Chloride	U		0.265	1.00	1	05/28/2024 09:24	WG2293937
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/28/2024 09:24	WG2293937
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/28/2024 09:24	WG2293937
Naphthalene	U	UJ ~~C3 J2~~	0.124	0.500	1	05/28/2024 09:24	WG2293937
n-Propylbenzene	U		0.0472	0.200	1	05/28/2024 09:24	WG2293937
Styrene	U		0.109	0.500	1	05/28/2024 09:24	WG2293937
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/28/2024 09:24	WG2293937
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/28/2024 09:24	WG2293937



JC 7/9/24

ACCOUNT:

PES Environmental, Inc.- WA

PROJECT:

443022-1413001.10

SDG:

L1739256

DATE/TIME:

07/02/24 08:59

PAGE:

33 of 65

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2024 09:24	WG2293937
Tetrachloroethene	U		0.0280	0.100	1	05/28/2024 09:24	WG2293937
Toluene	U		0.0500	0.200	1	05/28/2024 09:24	WG2293937
1,2,3-Trichlorobenzene	U	~~C3~~	0.0250	0.500	1	05/28/2024 09:24	WG2293937
1,2,4-Trichlorobenzene	U	UJ <u>C3</u>	0.193	0.500	1	05/28/2024 09:24	WG2293937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2024 09:24	WG2293937
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2024 09:24	WG2293937
Trichloroethene	U		0.0160	0.0400	1	05/28/2024 09:24	WG2293937
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2024 09:24	WG2293937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/28/2024 09:24	WG2293937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2024 09:24	WG2293937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2024 09:24	WG2293937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2024 09:24	WG2293937
Vinyl acetate	U	UJ <u>C3</u>	0.141	0.500	1	05/28/2024 09:24	WG2293937
Vinyl chloride	0.734		0.0273	0.100	1	05/28/2024 09:24	WG2293937
Xylenes, Total	U		0.191	0.260	1	05/28/2024 09:24	WG2293937
(S) Toluene-d8	103			75.0-131		05/28/2024 09:24	WG2293937
(S) 4-Bromofluorobenzene	104			67.0-138		05/28/2024 09:24	WG2293937
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/28/2024 09:24	WG2293937

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	~~J4~~	0.548	1.00	1	05/28/2024 09:44	WG2293937
Acrylonitrile	U	~~J3~~	0.0760	0.500	1	05/28/2024 09:44	WG2293937
Benzene	0.0200	J	0.0160	0.0400	1	05/28/2024 09:44	WG2293937
Bromobenzene	U		0.0420	0.500	1	05/28/2024 09:44	WG2293937
Bromochloromethane	U		0.0452	0.200	1	05/28/2024 09:44	WG2293937
Bromodichloromethane	U		0.0315	0.100	1	05/28/2024 09:44	WG2293937
Bromoform	U		0.239	1.00	1	05/28/2024 09:44	WG2293937
Bromomethane	U		0.148	0.500	1	05/28/2024 09:44	WG2293937
n-Butylbenzene	U		0.153	0.500	1	05/28/2024 09:44	WG2293937
sec-Butylbenzene	U		0.101	0.500	1	05/28/2024 09:44	WG2293937
tert-Butylbenzene	U		0.0620	0.200	1	05/28/2024 09:44	WG2293937
Carbon disulfide	U		0.162	0.500	1	05/28/2024 09:44	WG2293937
Carbon tetrachloride	U		0.0432	0.200	1	05/28/2024 09:44	WG2293937
Chlorobenzene	U		0.0229	0.100	1	05/28/2024 09:44	WG2293937
Chlorodibromomethane	U		0.0180	0.100	1	05/28/2024 09:44	WG2293937
Chloroethane	U		0.0432	0.200	1	05/28/2024 09:44	WG2293937
Chloroform	0.121		0.0166	0.100	1	05/28/2024 09:44	WG2293937
Chloromethane	U		0.0556	0.500	1	05/28/2024 09:44	WG2293937
2-Chlorotoluene	U		0.0368	0.100	1	05/28/2024 09:44	WG2293937
4-Chlorotoluene	U		0.0452	0.200	1	05/28/2024 09:44	WG2293937
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/28/2024 09:44	WG2293937
1,2-Dibromoethane	U		0.0210	0.100	1	05/28/2024 09:44	WG2293937
Dibromomethane	U		0.0400	0.200	1	05/28/2024 09:44	WG2293937
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/28/2024 09:44	WG2293937
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/28/2024 09:44	WG2293937
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/28/2024 09:44	WG2293937
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/28/2024 09:44	WG2293937
Dichlorodifluoromethane	U		0.0327	0.200	1	05/28/2024 09:44	WG2293937
1,1-Dichloroethane	1.08		0.0230	0.100	1	05/28/2024 09:44	WG2293937
1,2-Dichloroethane	0.202		0.0190	0.100	1	05/28/2024 09:44	WG2293937
1,1-Dichloroethene	0.230		0.0200	0.100	1	05/28/2024 09:44	WG2293937
cis-1,2-Dichloroethene	17.8		0.0276	0.100	1	05/28/2024 09:44	WG2293937
trans-1,2-Dichloroethene	0.129	J	0.0572	0.200	1	05/28/2024 09:44	WG2293937
1,2-Dichloropropane	0.559		0.0508	0.200	1	05/28/2024 09:44	WG2293937
1,1-Dichloropropene	U		0.0280	0.100	1	05/28/2024 09:44	WG2293937
1,3-Dichloropropane	U		0.0700	0.200	1	05/28/2024 09:44	WG2293937
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/28/2024 09:44	WG2293937
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/28/2024 09:44	WG2293937
2,2-Dichloropropane	U		0.0317	0.100	1	05/28/2024 09:44	WG2293937
Di-isopropyl ether	U		0.0140	0.0400	1	05/28/2024 09:44	WG2293937
Ethylbenzene	U		0.0212	0.100	1	05/28/2024 09:44	WG2293937
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/28/2024 09:44	WG2293937
2-Hexanone	U		0.400	1.00	1	05/28/2024 09:44	WG2293937
n-Hexane	U		0.0424	0.200	1	05/28/2024 09:44	WG2293937
Iodomethane	U		0.242	0.500	1	05/28/2024 09:44	WG2293937
Isopropylbenzene	U		0.0345	0.100	1	05/28/2024 09:44	WG2293937
p-Isopropyltoluene	U		0.0932	0.200	1	05/28/2024 09:44	WG2293937
2-Butanone (MEK)	U	J3	0.500	1.00	1	05/28/2024 09:44	WG2293937
Methylene Chloride	U		0.265	1.00	1	05/28/2024 09:44	WG2293937
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/28/2024 09:44	WG2293937
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/28/2024 09:44	WG2293937
Naphthalene	U	UJ C3 J3	0.124	0.500	1	05/28/2024 09:44	WG2293937
n-Propylbenzene	U		0.0472	0.200	1	05/28/2024 09:44	WG2293937
Styrene	U		0.109	0.500	1	05/28/2024 09:44	WG2293937
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/28/2024 09:44	WG2293937
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/28/2024 09:44	WG2293937

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	0.298		0.0270	0.100	1	05/28/2024 09:44	WG2293937
Tetrachloroethene	58.8		0.0280	0.100	1	05/28/2024 09:44	WG2293937
Toluene	U		0.0500	0.200	1	05/28/2024 09:44	WG2293937
1,2,3-Trichlorobenzene	U	~~J3~~	0.0250	0.500	1	05/28/2024 09:44	WG2293937
1,2,4-Trichlorobenzene	U	UJ <u>C3</u>	0.193	0.500	1	05/28/2024 09:44	WG2293937
1,1,1-Trichloroethane	0.198		0.0110	0.100	1	05/28/2024 09:44	WG2293937
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2024 09:44	WG2293937
Trichloroethene	17.1		0.0160	0.0400	1	05/28/2024 09:44	WG2293937
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2024 09:44	WG2293937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/28/2024 09:44	WG2293937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2024 09:44	WG2293937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2024 09:44	WG2293937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2024 09:44	WG2293937
Vinyl acetate	U	UJ <u>C3</u>	0.141	0.500	1	05/28/2024 09:44	WG2293937
Vinyl chloride	0.223		0.0273	0.100	1	05/28/2024 09:44	WG2293937
Xylenes, Total	U		0.191	0.260	1	05/28/2024 09:44	WG2293937
(S) Toluene-d8	99.3			75.0-131		05/28/2024 09:44	WG2293937
(S) 4-Bromofluorobenzene	103			67.0-138		05/28/2024 09:44	WG2293937
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/28/2024 09:44	WG2293937

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

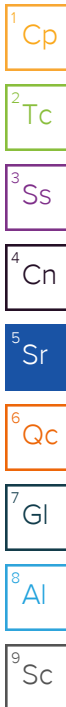
9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	1.15	U	~~C5 J4~~	0.548	1.00	1	05/28/2024 10:03	WG2293937
Acrylonitrile	U		~~J3~~	0.0760	0.500	1	05/28/2024 10:03	WG2293937
Benzene	U			0.0160	0.0400	1	05/28/2024 10:03	WG2293937
Bromobenzene	U			0.0420	0.500	1	05/28/2024 10:03	WG2293937
Bromochloromethane	U			0.0452	0.200	1	05/28/2024 10:03	WG2293937
Bromodichloromethane	U			0.0315	0.100	1	05/28/2024 10:03	WG2293937
Bromoform	U			0.239	1.00	1	05/28/2024 10:03	WG2293937
Bromomethane	U			0.148	0.500	1	05/28/2024 10:03	WG2293937
n-Butylbenzene	U			0.153	0.500	1	05/28/2024 10:03	WG2293937
sec-Butylbenzene	U			0.101	0.500	1	05/28/2024 10:03	WG2293937
tert-Butylbenzene	U			0.0620	0.200	1	05/28/2024 10:03	WG2293937
Carbon disulfide	U			0.162	0.500	1	05/28/2024 10:03	WG2293937
Carbon tetrachloride	U			0.0432	0.200	1	05/28/2024 10:03	WG2293937
Chlorobenzene	U			0.0229	0.100	1	05/28/2024 10:03	WG2293937
Chlorodibromomethane	U			0.0180	0.100	1	05/28/2024 10:03	WG2293937
Chloroethane	U			0.0432	0.200	1	05/28/2024 10:03	WG2293937
Chloroform	U			0.0166	0.100	1	05/28/2024 10:03	WG2293937
Chloromethane	U			0.0556	0.500	1	05/28/2024 10:03	WG2293937
2-Chlorotoluene	U			0.0368	0.100	1	05/28/2024 10:03	WG2293937
4-Chlorotoluene	U			0.0452	0.200	1	05/28/2024 10:03	WG2293937
1,2-Dibromo-3-Chloropropane	U			0.204	1.00	1	05/28/2024 10:03	WG2293937
1,2-Dibromoethane	U			0.0210	0.100	1	05/28/2024 10:03	WG2293937
Dibromomethane	U			0.0400	0.200	1	05/28/2024 10:03	WG2293937
1,2-Dichlorobenzene	U			0.0580	0.200	1	05/28/2024 10:03	WG2293937
1,3-Dichlorobenzene	U			0.0680	0.200	1	05/28/2024 10:03	WG2293937
1,4-Dichlorobenzene	U			0.0788	0.200	1	05/28/2024 10:03	WG2293937
trans-1,4-Dichloro-2-butene	U			0.0560	0.200	1	05/28/2024 10:03	WG2293937
Dichlorodifluoromethane	U			0.0327	0.200	1	05/28/2024 10:03	WG2293937
1,1-Dichloroethane	0.251			0.0230	0.100	1	05/28/2024 10:03	WG2293937
1,2-Dichloroethane	U			0.0190	0.100	1	05/28/2024 10:03	WG2293937
1,1-Dichloroethene	U			0.0200	0.100	1	05/28/2024 10:03	WG2293937
cis-1,2-Dichloroethene	0.226			0.0276	0.100	1	05/28/2024 10:03	WG2293937
trans-1,2-Dichloroethene	U			0.0572	0.200	1	05/28/2024 10:03	WG2293937
1,2-Dichloropropane	U			0.0508	0.200	1	05/28/2024 10:03	WG2293937
1,1-Dichloropropene	U			0.0280	0.100	1	05/28/2024 10:03	WG2293937
1,3-Dichloropropane	U			0.0700	0.200	1	05/28/2024 10:03	WG2293937
cis-1,3-Dichloropropene	U			0.0271	0.100	1	05/28/2024 10:03	WG2293937
trans-1,3-Dichloropropene	U			0.0612	0.200	1	05/28/2024 10:03	WG2293937
2,2-Dichloropropane	U			0.0317	0.100	1	05/28/2024 10:03	WG2293937
Di-isopropyl ether	U			0.0140	0.0400	1	05/28/2024 10:03	WG2293937
Ethylbenzene	U			0.0212	0.100	1	05/28/2024 10:03	WG2293937
Hexachloro-1,3-butadiene	U			0.508	1.00	1	05/28/2024 10:03	WG2293937
2-Hexanone	U			0.400	1.00	1	05/28/2024 10:03	WG2293937
n-Hexane	U			0.0424	0.200	1	05/28/2024 10:03	WG2293937
Iodomethane	U			0.242	0.500	1	05/28/2024 10:03	WG2293937
Isopropylbenzene	U			0.0345	0.100	1	05/28/2024 10:03	WG2293937
p-Isopropyltoluene	U			0.0932	0.200	1	05/28/2024 10:03	WG2293937
2-Butanone (MEK)	U		~~J3~~	0.500	1.00	1	05/28/2024 10:03	WG2293937
Methylene Chloride	U			0.265	1.00	1	05/28/2024 10:03	WG2293937
4-Methyl-2-pentanone (MIBK)	U			0.400	1.00	1	05/28/2024 10:03	WG2293937
Methyl tert-butyl ether	U			0.0118	0.0400	1	05/28/2024 10:03	WG2293937
Napthalene	U	UJ	~~C3 J3~~	0.124	0.500	1	05/28/2024 10:03	WG2293937
n-Propylbenzene	U			0.0472	0.200	1	05/28/2024 10:03	WG2293937
Styrene	U			0.109	0.500	1	05/28/2024 10:03	WG2293937
1,1,1,2-Tetrachloroethane	U			0.0200	0.100	1	05/28/2024 10:03	WG2293937
1,1,2,2-Tetrachloroethane	U			0.0156	0.100	1	05/28/2024 10:03	WG2293937

JC 7/9/2

JC 7/9/24



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2024 10:03	WG2293937
Tetrachloroethene	0.0580	<u>J</u>	0.0280	0.100	1	05/28/2024 10:03	WG2293937
Toluene	U		0.0500	0.200	1	05/28/2024 10:03	WG2293937
1,2,3-Trichlorobenzene	U	~~<u>J3</u>~~	0.0250	0.500	1	05/28/2024 10:03	WG2293937
1,2,4-Trichlorobenzene	U	<u>UJ</u> <u>C3</u>	0.193	0.500	1	05/28/2024 10:03	WG2293937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2024 10:03	WG2293937
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2024 10:03	WG2293937
Trichloroethene	U		0.0160	0.0400	1	05/28/2024 10:03	WG2293937
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2024 10:03	WG2293937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/28/2024 10:03	WG2293937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2024 10:03	WG2293937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2024 10:03	WG2293937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2024 10:03	WG2293937
Vinyl acetate	U	<u>UJ</u> <u>C3</u>	0.141	0.500	1	05/28/2024 10:03	WG2293937
Vinyl chloride	U		0.0273	0.100	1	05/28/2024 10:03	WG2293937
Xylenes, Total	U		0.191	0.260	1	05/28/2024 10:03	WG2293937
(S) Toluene-d8	102			75.0-131		05/28/2024 10:03	WG2293937
(S) 4-Bromofluorobenzene	102			67.0-138		05/28/2024 10:03	WG2293937
(S) 1,2-Dichloroethane-d4	97.6			70.0-130		05/28/2024 10:03	WG2293937

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

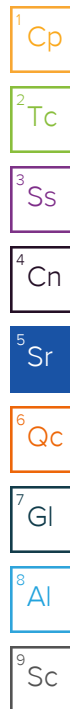
8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	~~J4~~	0.548	1.00	1	05/28/2024 10:22	WG2293937
Acrylonitrile	U	~~J3~~	0.0760	0.500	1	05/28/2024 10:22	WG2293937
Benzene	0.0810		0.0160	0.0400	1	05/28/2024 10:22	WG2293937
Bromobenzene	U		0.0420	0.500	1	05/28/2024 10:22	WG2293937
Bromochloromethane	U		0.0452	0.200	1	05/28/2024 10:22	WG2293937
Bromodichloromethane	U		0.0315	0.100	1	05/28/2024 10:22	WG2293937
Bromoform	U		0.239	1.00	1	05/28/2024 10:22	WG2293937
Bromomethane	U		0.148	0.500	1	05/28/2024 10:22	WG2293937
n-Butylbenzene	U		0.153	0.500	1	05/28/2024 10:22	WG2293937
sec-Butylbenzene	U		0.101	0.500	1	05/28/2024 10:22	WG2293937
tert-Butylbenzene	U		0.0620	0.200	1	05/28/2024 10:22	WG2293937
Carbon disulfide	U		0.162	0.500	1	05/28/2024 10:22	WG2293937
Carbon tetrachloride	U		0.0432	0.200	1	05/28/2024 10:22	WG2293937
Chlorobenzene	U		0.0229	0.100	1	05/28/2024 10:22	WG2293937
Chlorodibromomethane	U		0.0180	0.100	1	05/28/2024 10:22	WG2293937
Chloroethane	U		0.0432	0.200	1	05/28/2024 10:22	WG2293937
Chloroform	U		0.0166	0.100	1	05/28/2024 10:22	WG2293937
Chloromethane	U		0.0556	0.500	1	05/28/2024 10:22	WG2293937
2-Chlorotoluene	U		0.0368	0.100	1	05/28/2024 10:22	WG2293937
4-Chlorotoluene	U		0.0452	0.200	1	05/28/2024 10:22	WG2293937
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/28/2024 10:22	WG2293937
1,2-Dibromoethane	U		0.0210	0.100	1	05/28/2024 10:22	WG2293937
Dibromomethane	U		0.0400	0.200	1	05/28/2024 10:22	WG2293937
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/28/2024 10:22	WG2293937
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/28/2024 10:22	WG2293937
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/28/2024 10:22	WG2293937
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/28/2024 10:22	WG2293937
Dichlorodifluoromethane	U		0.0327	0.200	1	05/28/2024 10:22	WG2293937
1,1-Dichloroethane	U		0.0230	0.100	1	05/28/2024 10:22	WG2293937
1,2-Dichloroethane	U		0.0190	0.100	1	05/28/2024 10:22	WG2293937
1,1-Dichloroethene	U		0.0200	0.100	1	05/28/2024 10:22	WG2293937
cis-1,2-Dichloroethene	0.161		0.0276	0.100	1	05/28/2024 10:22	WG2293937
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/28/2024 10:22	WG2293937
1,2-Dichloropropane	U		0.0508	0.200	1	05/28/2024 10:22	WG2293937
1,1-Dichloropropene	U		0.0280	0.100	1	05/28/2024 10:22	WG2293937
1,3-Dichloropropane	U		0.0700	0.200	1	05/28/2024 10:22	WG2293937
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/28/2024 10:22	WG2293937
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/28/2024 10:22	WG2293937
2,2-Dichloropropane	U		0.0317	0.100	1	05/28/2024 10:22	WG2293937
Di-isopropyl ether	U		0.0140	0.0400	1	05/28/2024 10:22	WG2293937
Ethylbenzene	U		0.0212	0.100	1	05/28/2024 10:22	WG2293937
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/28/2024 10:22	WG2293937
2-Hexanone	U		0.400	1.00	1	05/28/2024 10:22	WG2293937
n-Hexane	U		0.0424	0.200	1	05/28/2024 10:22	WG2293937
Iodomethane	U		0.242	0.500	1	05/28/2024 10:22	WG2293937
Isopropylbenzene	U		0.0345	0.100	1	05/28/2024 10:22	WG2293937
p-Isopropyltoluene	U		0.0932	0.200	1	05/28/2024 10:22	WG2293937
2-Butanone (MEK)	U	~~J3~~	0.500	1.00	1	05/28/2024 10:22	WG2293937
Methylene Chloride	U		0.265	1.00	1	05/28/2024 10:22	WG2293937
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/28/2024 10:22	WG2293937
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/28/2024 10:22	WG2293937
Naphthalene	U	UJ ~~C3 J3~~	0.124	0.500	1	05/28/2024 10:22	WG2293937
n-Propylbenzene	U		0.0472	0.200	1	05/28/2024 10:22	WG2293937
Styrene	U		0.109	0.500	1	05/28/2024 10:22	WG2293937
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/28/2024 10:22	WG2293937
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/28/2024 10:22	WG2293937

JC 7/9/24



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2024 10:22	WG2293937
Tetrachloroethene	U		0.0280	0.100	1	05/28/2024 10:22	WG2293937
Toluene	U		0.0500	0.200	1	05/28/2024 10:22	WG2293937
1,2,3-Trichlorobenzene	U	~~U3~~	0.0250	0.500	1	05/28/2024 10:22	WG2293937
1,2,4-Trichlorobenzene	U	UJ <u>C3</u>	0.193	0.500	1	05/28/2024 10:22	WG2293937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2024 10:22	WG2293937
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2024 10:22	WG2293937
Trichloroethene	U		0.0160	0.0400	1	05/28/2024 10:22	WG2293937
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2024 10:22	WG2293937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/28/2024 10:22	WG2293937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2024 10:22	WG2293937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2024 10:22	WG2293937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2024 10:22	WG2293937
Vinyl acetate	U	UJ <u>C3</u>	0.141	0.500	1	05/28/2024 10:22	WG2293937
Vinyl chloride	0.860		0.0273	0.100	1	05/28/2024 10:22	WG2293937
Xylenes, Total	U		0.191	0.260	1	05/28/2024 10:22	WG2293937
(S) Toluene-d8	101			75.0-131		05/28/2024 10:22	WG2293937
(S) 4-Bromofluorobenzene	101			67.0-138		05/28/2024 10:22	WG2293937
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/28/2024 10:22	WG2293937

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

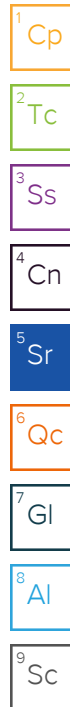
8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	~~J4~~	0.548	1.00	1	05/28/2024 10:41	WG2293937
Acrylonitrile	U	~~J3~~	0.0760	0.500	1	05/28/2024 10:41	WG2293937
Benzene	U		0.0160	0.0400	1	05/28/2024 10:41	WG2293937
Bromobenzene	U		0.0420	0.500	1	05/28/2024 10:41	WG2293937
Bromochloromethane	U		0.0452	0.200	1	05/28/2024 10:41	WG2293937
Bromodichloromethane	U		0.0315	0.100	1	05/28/2024 10:41	WG2293937
Bromoform	U		0.239	1.00	1	05/28/2024 10:41	WG2293937
Bromomethane	U		0.148	0.500	1	05/28/2024 10:41	WG2293937
n-Butylbenzene	U		0.153	0.500	1	05/28/2024 10:41	WG2293937
sec-Butylbenzene	U		0.101	0.500	1	05/28/2024 10:41	WG2293937
tert-Butylbenzene	U		0.0620	0.200	1	05/28/2024 10:41	WG2293937
Carbon disulfide	U		0.162	0.500	1	05/28/2024 10:41	WG2293937
Carbon tetrachloride	U		0.0432	0.200	1	05/28/2024 10:41	WG2293937
Chlorobenzene	U		0.0229	0.100	1	05/28/2024 10:41	WG2293937
Chlorodibromomethane	U		0.0180	0.100	1	05/28/2024 10:41	WG2293937
Chloroethane	U		0.0432	0.200	1	05/28/2024 10:41	WG2293937
Chloroform	U		0.0166	0.100	1	05/28/2024 10:41	WG2293937
Chloromethane	U		0.0556	0.500	1	05/28/2024 10:41	WG2293937
2-Chlorotoluene	U		0.0368	0.100	1	05/28/2024 10:41	WG2293937
4-Chlorotoluene	U		0.0452	0.200	1	05/28/2024 10:41	WG2293937
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/28/2024 10:41	WG2293937
1,2-Dibromoethane	U		0.0210	0.100	1	05/28/2024 10:41	WG2293937
Dibromomethane	U		0.0400	0.200	1	05/28/2024 10:41	WG2293937
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/28/2024 10:41	WG2293937
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/28/2024 10:41	WG2293937
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/28/2024 10:41	WG2293937
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/28/2024 10:41	WG2293937
Dichlorodifluoromethane	U		0.0327	0.200	1	05/28/2024 10:41	WG2293937
1,1-Dichloroethane	U		0.0230	0.100	1	05/28/2024 10:41	WG2293937
1,2-Dichloroethane	U		0.0190	0.100	1	05/28/2024 10:41	WG2293937
1,1-Dichloroethene	U		0.0200	0.100	1	05/28/2024 10:41	WG2293937
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/28/2024 10:41	WG2293937
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/28/2024 10:41	WG2293937
1,2-Dichloropropane	U		0.0508	0.200	1	05/28/2024 10:41	WG2293937
1,1-Dichloropropene	U		0.0280	0.100	1	05/28/2024 10:41	WG2293937
1,3-Dichloropropane	U		0.0700	0.200	1	05/28/2024 10:41	WG2293937
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/28/2024 10:41	WG2293937
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/28/2024 10:41	WG2293937
2,2-Dichloropropane	U		0.0317	0.100	1	05/28/2024 10:41	WG2293937
Di-isopropyl ether	0.150		0.0140	0.0400	1	05/28/2024 10:41	WG2293937
Ethylbenzene	U		0.0212	0.100	1	05/28/2024 10:41	WG2293937
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/28/2024 10:41	WG2293937
2-Hexanone	U		0.400	1.00	1	05/28/2024 10:41	WG2293937
n-Hexane	U		0.0424	0.200	1	05/28/2024 10:41	WG2293937
Iodomethane	U		0.242	0.500	1	05/28/2024 10:41	WG2293937
Isopropylbenzene	U		0.0345	0.100	1	05/28/2024 10:41	WG2293937
p-Isopropyltoluene	U		0.0932	0.200	1	05/28/2024 10:41	WG2293937
2-Butanone (MEK)	U	~~J3~~	0.500	1.00	1	05/28/2024 10:41	WG2293937
Methylene Chloride	U		0.265	1.00	1	05/28/2024 10:41	WG2293937
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/28/2024 10:41	WG2293937
Methyl tert-butyl ether	0.106		0.0118	0.0400	1	05/28/2024 10:41	WG2293937
Naphthalene	U	UJ ~~C3 J3~~	0.124	0.500	1	05/28/2024 10:41	WG2293937
n-Propylbenzene	U		0.0472	0.200	1	05/28/2024 10:41	WG2293937
Styrene	U		0.109	0.500	1	05/28/2024 10:41	WG2293937
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/28/2024 10:41	WG2293937
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/28/2024 10:41	WG2293937

JC 7/9/24



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2024 10:41	WG2293937
Tetrachloroethene	U		0.0280	0.100	1	05/28/2024 10:41	WG2293937
Toluene	U		0.0500	0.200	1	05/28/2024 10:41	WG2293937
1,2,3-Trichlorobenzene	U	~~C3~~	0.0250	0.500	1	05/28/2024 10:41	WG2293937
1,2,4-Trichlorobenzene	U	UJ <u>C3</u>	0.193	0.500	1	05/28/2024 10:41	WG2293937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2024 10:41	WG2293937
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2024 10:41	WG2293937
Trichloroethene	U		0.0160	0.0400	1	05/28/2024 10:41	WG2293937
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2024 10:41	WG2293937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/28/2024 10:41	WG2293937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2024 10:41	WG2293937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2024 10:41	WG2293937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2024 10:41	WG2293937
Vinyl acetate	U	UJ <u>C3</u>	0.141	0.500	1	05/28/2024 10:41	WG2293937
Vinyl chloride	U		0.0273	0.100	1	05/28/2024 10:41	WG2293937
Xylenes, Total	U		0.191	0.260	1	05/28/2024 10:41	WG2293937
(S) Toluene-d8	99.3			75.0-131		05/28/2024 10:41	WG2293937
(S) 4-Bromofluorobenzene	103			67.0-138		05/28/2024 10:41	WG2293937
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/28/2024 10:41	WG2293937

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	28400		594	5000	1	06/09/2024 10:11	WG2299419

1
Cp

2
Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	2040	B	102	1000	1	06/10/2024 03:50	WG2300561

3
Ss

4
Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	287		28.1	100	1	06/02/2024 20:59	WG2295554
Manganese	279		0.704	5.00	1	06/02/2024 20:59	WG2295554

5
Sr

6
Qc

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	1050		0.287	0.678	1	05/31/2024 09:49	WG2294780
Ethane	2.36		0.296	1.29	1	05/31/2024 09:49	WG2294780
Ethene	U		0.422	1.27	1	05/31/2024 09:49	WG2294780

7
Gl

8
Al

9
Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	0.655	U	0.548	1.00	1	05/30/2024 02:25	WG2295127
Acrylonitrile	U		0.0760	0.500	1	05/30/2024 02:25	WG2295127
Benzene	U		0.0160	0.0400	1	05/30/2024 02:25	WG2295127
Bromobenzene	U		0.0420	0.500	1	05/30/2024 02:25	WG2295127
Bromodichloromethane	U		0.0315	0.100	1	05/30/2024 02:25	WG2295127
Bromoform	U		0.239	1.00	1	05/30/2024 02:25	WG2295127
Bromomethane	U		0.148	0.500	1	05/30/2024 02:25	WG2295127
n-Butylbenzene	U		0.153	0.500	1	05/30/2024 02:25	WG2295127
sec-Butylbenzene	U		0.101	0.500	1	05/30/2024 02:25	WG2295127
tert-Butylbenzene	U		0.0620	0.200	1	05/30/2024 02:25	WG2295127
Carbon tetrachloride	U		0.0432	0.200	1	05/30/2024 02:25	WG2295127
Chlorobenzene	U		0.0229	0.100	1	05/30/2024 02:25	WG2295127
Chlorodibromomethane	U		0.0180	0.100	1	05/30/2024 02:25	WG2295127
Chloroethane	U		0.0432	0.200	1	05/30/2024 02:25	WG2295127
Chloroform	U		0.0166	0.100	1	05/30/2024 02:25	WG2295127
Chloromethane	U		0.0556	0.500	1	05/30/2024 02:25	WG2295127
2-Chlorotoluene	U		0.0368	0.100	1	05/30/2024 02:25	WG2295127
4-Chlorotoluene	U		0.0452	0.200	1	05/30/2024 02:25	WG2295127
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/30/2024 02:25	WG2295127
1,2-Dibromoethane	U		0.0210	0.100	1	05/30/2024 02:25	WG2295127
Dibromomethane	U		0.0400	0.200	1	05/30/2024 02:25	WG2295127
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/30/2024 02:25	WG2295127
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/30/2024 02:25	WG2295127
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/30/2024 02:25	WG2295127
Dichlorodifluoromethane	U		0.0327	0.200	1	05/30/2024 02:25	WG2295127
1,1-Dichloroethane	U		0.0230	0.100	1	05/30/2024 02:25	WG2295127
1,2-Dichloroethane	U		0.0190	0.100	1	05/30/2024 02:25	WG2295127
1,1-Dichloroethene	U		0.0200	0.100	1	05/30/2024 02:25	WG2295127
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/30/2024 02:25	WG2295127
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/30/2024 02:25	WG2295127
1,2-Dichloropropane	U		0.0508	0.200	1	05/30/2024 02:25	WG2295127

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/30/2024 02:25	WG2295127
1,3-Dichloropropane	U		0.0700	0.200	1	05/30/2024 02:25	WG2295127
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/30/2024 02:25	WG2295127
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/30/2024 02:25	WG2295127
2,2-Dichloropropane	U		0.0317	0.100	1	05/30/2024 02:25	WG2295127
Di-isopropyl ether	U		0.0140	0.0400	1	05/30/2024 02:25	WG2295127
Ethylbenzene	U		0.0212	0.100	1	05/30/2024 02:25	WG2295127
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/30/2024 02:25	WG2295127
Isopropylbenzene	U		0.0345	0.100	1	05/30/2024 02:25	WG2295127
p-Isopropyltoluene	U		0.0932	0.200	1	05/30/2024 02:25	WG2295127
2-Butanone (MEK)	U		0.500	1.00	1	05/30/2024 02:25	WG2295127
Methylene Chloride	U		0.265	1.00	1	05/30/2024 02:25	WG2295127
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/30/2024 02:25	WG2295127
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/30/2024 02:25	WG2295127
Naphthalene	U		0.124	0.500	1	05/30/2024 02:25	WG2295127
n-Propylbenzene	U		0.0472	0.200	1	05/30/2024 02:25	WG2295127
Styrene	U		0.109	0.500	1	05/30/2024 02:25	WG2295127
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/30/2024 02:25	WG2295127
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/30/2024 02:25	WG2295127
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/30/2024 02:25	WG2295127
Tetrachloroethene	U		0.0280	0.100	1	05/30/2024 02:25	WG2295127
Toluene	0.0610	J	0.0500	0.200	1	05/30/2024 02:25	WG2295127
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/30/2024 02:25	WG2295127
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/30/2024 02:25	WG2295127
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/30/2024 02:25	WG2295127
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/30/2024 02:25	WG2295127
Trichloroethene	U		0.0160	0.0400	1	05/30/2024 02:25	WG2295127
Trichlorofluoromethane	U		0.0200	0.100	1	05/30/2024 02:25	WG2295127
1,2,3-Trichloropropane	U		0.204	0.500	1	05/30/2024 02:25	WG2295127
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/30/2024 02:25	WG2295127
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/30/2024 02:25	WG2295127
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/30/2024 02:25	WG2295127
Vinyl chloride	U		0.0273	0.100	1	05/30/2024 02:25	WG2295127
Xylenes, Total	U		0.191	0.260	1	05/30/2024 02:25	WG2295127
Ethyl Ether	U		0.0170	0.100	1	05/30/2024 02:25	WG2295127
Tetrahydrofuran	U	J4	0.0900	0.500	1	05/30/2024 02:25	WG2295127
Iodomethane	U		0.242	0.500	1	05/30/2024 02:25	WG2295127
Allyl chloride	U		0.580	1.00	1	05/30/2024 02:25	WG2295127
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/30/2024 02:25	WG2295127
(S) Toluene-d8	97.5			75.0-131		05/30/2024 02:25	WG2295127
(S) 4-Bromofluorobenzene	105			67.0-138		05/30/2024 02:25	WG2295127
(S) 1,2-Dichloroethane-d4	92.1			70.0-130		05/30/2024 02:25	WG2295127

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	4420	J	594	5000	1	06/09/2024 10:27	WG2299419

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	5370		102	1000	1	06/10/2024 04:11	WG2300561

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	3670		28.1	100	1	06/02/2024 21:03	WG2295554
Manganese	1560		0.704	5.00	1	06/02/2024 21:03	WG2295554

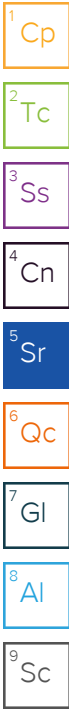
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	11200		2.87	6.78	10	05/31/2024 15:50	WG2296404
Ethane	74.5		0.296	1.29	1	05/31/2024 09:54	WG2294780
Ethene	2.78		0.422	1.27	1	05/31/2024 09:54	WG2294780

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	21.5		0.548	1.00	1	05/30/2024 02:48	WG2295127
Acrylonitrile	U		0.0760	0.500	1	05/30/2024 02:48	WG2295127
Benzene	U		0.0160	0.0400	1	05/30/2024 02:48	WG2295127
Bromobenzene	U		0.0420	0.500	1	05/30/2024 02:48	WG2295127
Bromodichloromethane	U		0.0315	0.100	1	05/30/2024 02:48	WG2295127
Bromoform	U		0.239	1.00	1	05/30/2024 02:48	WG2295127
Bromomethane	U		0.148	0.500	1	05/30/2024 02:48	WG2295127
n-Butylbenzene	U		0.153	0.500	1	05/30/2024 02:48	WG2295127
sec-Butylbenzene	U		0.101	0.500	1	05/30/2024 02:48	WG2295127
tert-Butylbenzene	U		0.0620	0.200	1	05/30/2024 02:48	WG2295127
Carbon tetrachloride	U		0.0432	0.200	1	05/30/2024 02:48	WG2295127
Chlorobenzene	U		0.0229	0.100	1	05/30/2024 02:48	WG2295127
Chlorodibromomethane	U		0.0180	0.100	1	05/30/2024 02:48	WG2295127
Chloroethane	U	J4	0.0432	0.200	1	05/30/2024 02:48	WG2295127
Chloroform	U		0.0166	0.100	1	05/30/2024 02:48	WG2295127
Chloromethane	U		0.0556	0.500	1	05/30/2024 02:48	WG2295127
2-Chlorotoluene	U		0.0368	0.100	1	05/30/2024 02:48	WG2295127
4-Chlorotoluene	U		0.0452	0.200	1	05/30/2024 02:48	WG2295127
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/30/2024 02:48	WG2295127
1,2-Dibromoethane	U		0.0210	0.100	1	05/30/2024 02:48	WG2295127
Dibromomethane	U		0.0400	0.200	1	05/30/2024 02:48	WG2295127
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/30/2024 02:48	WG2295127
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/30/2024 02:48	WG2295127
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/30/2024 02:48	WG2295127
Dichlorodifluoromethane	U		0.0327	0.200	1	05/30/2024 02:48	WG2295127
1,1-Dichloroethane	U		0.0230	0.100	1	05/30/2024 02:48	WG2295127
1,2-Dichloroethane	U		0.0190	0.100	1	05/30/2024 02:48	WG2295127
1,1-Dichloroethene	U		0.0200	0.100	1	05/30/2024 02:48	WG2295127
cis-1,2-Dichloroethene	0.120		0.0276	0.100	1	05/30/2024 02:48	WG2295127
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/30/2024 02:48	WG2295127
1,2-Dichloropropane	U		0.0508	0.200	1	05/30/2024 02:48	WG2295127

JC 7/10/24



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/30/2024 02:48	WG2295127
1,3-Dichloropropane	U		0.0700	0.200	1	05/30/2024 02:48	WG2295127
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/30/2024 02:48	WG2295127
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/30/2024 02:48	WG2295127
2,2-Dichloropropane	U		0.0317	0.100	1	05/30/2024 02:48	WG2295127
Di-isopropyl ether	U		0.0140	0.0400	1	05/30/2024 02:48	WG2295127
Ethylbenzene	U		0.0212	0.100	1	05/30/2024 02:48	WG2295127
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/30/2024 02:48	WG2295127
Isopropylbenzene	U		0.0345	0.100	1	05/30/2024 02:48	WG2295127
p-Isopropyltoluene	U		0.0932	0.200	1	05/30/2024 02:48	WG2295127
2-Butanone (MEK)	U		0.500	1.00	1	05/30/2024 02:48	WG2295127
Methylene Chloride	U		0.265	1.00	1	05/30/2024 02:48	WG2295127
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/30/2024 02:48	WG2295127
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/30/2024 02:48	WG2295127
Naphthalene	U		0.124	0.500	1	05/30/2024 02:48	WG2295127
n-Propylbenzene	U		0.0472	0.200	1	05/30/2024 02:48	WG2295127
Styrene	U		0.109	0.500	1	05/30/2024 02:48	WG2295127
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/30/2024 02:48	WG2295127
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/30/2024 02:48	WG2295127
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/30/2024 02:48	WG2295127
Tetrachloroethene	U		0.0280	0.100	1	05/30/2024 02:48	WG2295127
Toluene	U		0.0500	0.200	1	05/30/2024 02:48	WG2295127
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/30/2024 02:48	WG2295127
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/30/2024 02:48	WG2295127
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/30/2024 02:48	WG2295127
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/30/2024 02:48	WG2295127
Trichloroethene	0.0720		0.0160	0.0400	1	05/30/2024 02:48	WG2295127
Trichlorofluoromethane	U		0.0200	0.100	1	05/30/2024 02:48	WG2295127
1,2,3-Trichloropropane	U		0.204	0.500	1	05/30/2024 02:48	WG2295127
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/30/2024 02:48	WG2295127
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/30/2024 02:48	WG2295127
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/30/2024 02:48	WG2295127
Vinyl chloride	0.134	J+ C5	0.0273	0.100	1	05/30/2024 02:48	WG2295127
Xylenes, Total	U		0.191	0.260	1	05/30/2024 02:48	WG2295127
Ethyl Ether	U		0.0170	0.100	1	05/30/2024 02:48	WG2295127
Tetrahydrofuran	0.267	J J4	0.0900	0.500	1	05/30/2024 02:48	WG2295127
Iodomethane	U		0.242	0.500	1	05/30/2024 02:48	WG2295127
Allyl chloride	U		0.580	1.00	1	05/30/2024 02:48	WG2295127
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/30/2024 02:48	WG2295127
(S) Toluene-d8	91.8			75.0-131		05/30/2024 02:48	WG2295127
(S) 4-Bromofluorobenzene	104			67.0-138		05/30/2024 02:48	WG2295127
(S) 1,2-Dichloroethane-d4	97.5			70.0-130		05/30/2024 02:48	WG2295127

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

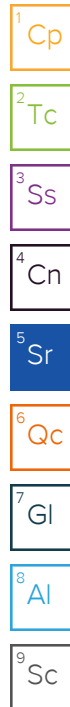
8 Al

9 Sc

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	0.707	U	0.548	1.00	1	05/30/2024 03:09	WG2295127
Acrylonitrile	U		0.0760	0.500	1	05/30/2024 03:09	WG2295127
Benzene	U		0.0160	0.0400	1	05/30/2024 03:09	WG2295127
Bromobenzene	U		0.0420	0.500	1	05/30/2024 03:09	WG2295127
Bromodichloromethane	U		0.0315	0.100	1	05/30/2024 03:09	WG2295127
Bromoform	U		0.239	1.00	1	05/30/2024 03:09	WG2295127
Bromomethane	U		0.148	0.500	1	05/30/2024 03:09	WG2295127
n-Butylbenzene	U		0.153	0.500	1	05/30/2024 03:09	WG2295127
sec-Butylbenzene	U		0.101	0.500	1	05/30/2024 03:09	WG2295127
tert-Butylbenzene	U		0.0620	0.200	1	05/30/2024 03:09	WG2295127
Carbon tetrachloride	U		0.0432	0.200	1	05/30/2024 03:09	WG2295127
Chlorobenzene	U		0.0229	0.100	1	05/30/2024 03:09	WG2295127
Chlorodibromomethane	U		0.0180	0.100	1	05/30/2024 03:09	WG2295127
Chloroethane	U		0.0432	0.200	1	05/30/2024 03:09	WG2295127
Chloroform	U		0.0166	0.100	1	05/30/2024 03:09	WG2295127
Chloromethane	U		0.0556	0.500	1	05/30/2024 03:09	WG2295127
2-Chlorotoluene	U		0.0368	0.100	1	05/30/2024 03:09	WG2295127
4-Chlorotoluene	U		0.0452	0.200	1	05/30/2024 03:09	WG2295127
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/30/2024 03:09	WG2295127
1,2-Dibromoethane	U		0.0210	0.100	1	05/30/2024 03:09	WG2295127
Dibromomethane	U		0.0400	0.200	1	05/30/2024 03:09	WG2295127
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/30/2024 03:09	WG2295127
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/30/2024 03:09	WG2295127
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/30/2024 03:09	WG2295127
Dichlorodifluoromethane	U		0.0327	0.200	1	05/30/2024 03:09	WG2295127
1,1-Dichloroethane	U		0.0230	0.100	1	05/30/2024 03:09	WG2295127
1,2-Dichloroethane	U		0.0190	0.100	1	05/30/2024 03:09	WG2295127
1,1-Dichloroethene	U		0.0200	0.100	1	05/30/2024 03:09	WG2295127
cis-1,2-Dichloroethene	0.275		0.0276	0.100	1	05/30/2024 03:09	WG2295127
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/30/2024 03:09	WG2295127
1,2-Dichloropropane	U		0.0508	0.200	1	05/30/2024 03:09	WG2295127
1,1-Dichloropropene	U		0.0280	0.100	1	05/30/2024 03:09	WG2295127
1,3-Dichloropropane	U		0.0700	0.200	1	05/30/2024 03:09	WG2295127
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/30/2024 03:09	WG2295127
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/30/2024 03:09	WG2295127
2,2-Dichloropropane	U		0.0317	0.100	1	05/30/2024 03:09	WG2295127
Di-isopropyl ether	U		0.0140	0.0400	1	05/30/2024 03:09	WG2295127
Ethylbenzene	0.0450		0.0212	0.100	1	05/30/2024 03:09	WG2295127
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/30/2024 03:09	WG2295127
Isopropylbenzene	U		0.0345	0.100	1	05/30/2024 03:09	WG2295127
p-Isopropyltoluene	U		0.0932	0.200	1	05/30/2024 03:09	WG2295127
2-Butanone (MEK)	U		0.500	1.00	1	05/30/2024 03:09	WG2295127
Methylene Chloride	U		0.265	1.00	1	05/30/2024 03:09	WG2295127
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/30/2024 03:09	WG2295127
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/30/2024 03:09	WG2295127
Naphthalene	U		0.124	0.500	1	05/30/2024 03:09	WG2295127
n-Propylbenzene	U		0.0472	0.200	1	05/30/2024 03:09	WG2295127
Styrene	U		0.109	0.500	1	05/30/2024 03:09	WG2295127
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/30/2024 03:09	WG2295127
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/30/2024 03:09	WG2295127
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/30/2024 03:09	WG2295127
Tetrachloroethene	U		0.0280	0.100	1	05/30/2024 03:09	WG2295127
Toluene	0.121		0.0500	0.200	1	05/30/2024 03:09	WG2295127
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/30/2024 03:09	WG2295127
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/30/2024 03:09	WG2295127
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/30/2024 03:09	WG2295127



JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/30/2024 03:09	WG2295127
Trichloroethene	0.0410		0.0160	0.0400	1	05/30/2024 03:09	WG2295127
Trichlorofluoromethane	U		0.0200	0.100	1	05/30/2024 03:09	WG2295127
1,2,3-Trichloropropane	U		0.204	0.500	1	05/30/2024 03:09	WG2295127
1,2,4-Trimethylbenzene	0.0940	J	0.0464	0.200	1	05/30/2024 03:09	WG2295127
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/30/2024 03:09	WG2295127
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/30/2024 03:09	WG2295127
Vinyl chloride	U		0.0273	0.100	1	05/30/2024 03:09	WG2295127
Xylenes, Total	0.316		0.191	0.260	1	05/30/2024 03:09	WG2295127
Ethyl Ether	U		0.0170	0.100	1	05/30/2024 03:09	WG2295127
Tetrahydrofuran	U	J4	0.0900	0.500	1	05/30/2024 03:09	WG2295127
Iodomethane	U		0.242	0.500	1	05/30/2024 03:09	WG2295127
Allyl chloride	U		0.580	1.00	1	05/30/2024 03:09	WG2295127
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/30/2024 03:09	WG2295127
(S) Toluene-d8	95.3			75.0-131		05/30/2024 03:09	WG2295127
(S) 4-Bromofluorobenzene	101			67.0-138		05/30/2024 03:09	WG2295127
(S) 1,2-Dichloroethane-d4	93.3			70.0-130		05/30/2024 03:09	WG2295127

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/10/24

MW111-052224

SAMPLE RESULTS - 04

Collected date/time: 05/22/24 12:12

L1739788

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	UJ C3	0.548	1.00	1	06/03/2024 19:42	WG2297632
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 19:42	WG2297632
Benzene	0.0270	J	0.0160	0.0400	1	06/03/2024 19:42	WG2297632
Bromobenzene	U		0.0420	0.500	1	06/03/2024 19:42	WG2297632
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 19:42	WG2297632
Bromoform	U		0.239	1.00	1	06/03/2024 19:42	WG2297632
Bromomethane	U	UJ C3 J3	0.148	0.500	1	06/03/2024 19:42	WG2297632
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 19:42	WG2297632
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 19:42	WG2297632
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 19:42	WG2297632
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 19:42	WG2297632
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 19:42	WG2297632
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 19:42	WG2297632
Chloroethane	U		0.0432	0.200	1	06/03/2024 19:42	WG2297632
Chloroform	U		0.0166	0.100	1	06/03/2024 19:42	WG2297632
Chloromethane	U		0.0556	0.500	1	06/03/2024 19:42	WG2297632
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 19:42	WG2297632
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 19:42	WG2297632
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/03/2024 19:42	WG2297632
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 19:42	WG2297632
Dibromomethane	U		0.0400	0.200	1	06/03/2024 19:42	WG2297632
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 19:42	WG2297632
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 19:42	WG2297632
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 19:42	WG2297632
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 19:42	WG2297632
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 19:42	WG2297632
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 19:42	WG2297632
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 19:42	WG2297632
cis-1,2-Dichloroethene	1.26		0.0276	0.100	1	06/03/2024 19:42	WG2297632
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2024 19:42	WG2297632
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 19:42	WG2297632
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 19:42	WG2297632
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 19:42	WG2297632
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 19:42	WG2297632
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 19:42	WG2297632
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 19:42	WG2297632
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 19:42	WG2297632
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 19:42	WG2297632
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 19:42	WG2297632
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 19:42	WG2297632
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 19:42	WG2297632
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 19:42	WG2297632
Methylene Chloride	U		0.265	1.00	1	06/03/2024 19:42	WG2297632
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 19:42	WG2297632
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 19:42	WG2297632
Naphthalene	U		0.124	0.500	1	06/03/2024 19:42	WG2297632
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 19:42	WG2297632
Styrene	U		0.109	0.500	1	06/03/2024 19:42	WG2297632
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 19:42	WG2297632
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 19:42	WG2297632
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 19:42	WG2297632
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 19:42	WG2297632
Toluene	U		0.0500	0.200	1	06/03/2024 19:42	WG2297632
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 19:42	WG2297632
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 19:42	WG2297632
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 19:42	WG2297632

JC 7/10/24

ACCOUNT:

PES Environmental, Inc.- WA

PROJECT:

443022-1413001.10

SDG:

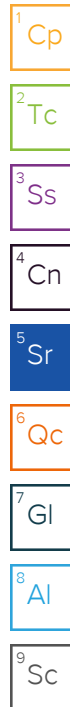
L1739788

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06/14/24 09:51

PAGE:

14 of 76



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 19:42	WG2297632
Trichloroethene	0.0450		0.0160	0.0400	1	06/03/2024 19:42	WG2297632
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2024 19:42	WG2297632
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 19:42	WG2297632
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 19:42	WG2297632
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 19:42	WG2297632
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 19:42	WG2297632
Vinyl chloride	7.98		0.0273	0.100	1	06/03/2024 19:42	WG2297632
Xylenes, Total	U		0.191	0.260	1	06/03/2024 19:42	WG2297632
Ethyl Ether	U		0.0170	0.100	1	06/03/2024 19:42	WG2297632
Tetrahydrofuran	U	UJ C3 J3 J4	0.0900	0.500	1	06/03/2024 19:42	WG2297632
Iodomethane	U		0.242	0.500	1	06/03/2024 19:42	WG2297632
Allyl chloride	U		0.580	1.00	1	06/03/2024 19:42	WG2297632
Trans-1,4-Dichloro-2-butene	U	I3	0.0560	0.200	1	06/03/2024 19:42	WG2297632
(S) Toluene-d8	94.6			75.0-131		06/03/2024 19:42	WG2297632
(S) 4-Bromofluorobenzene	103			67.0-138		06/03/2024 19:42	WG2297632
(S) 1,2-Dichloroethane-d4	91.8			70.0-130		06/03/2024 19:42	WG2297632

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

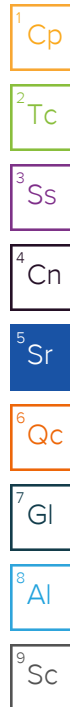
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JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	UJ C3	0.548	1.00	1	06/03/2024 20:04	WG2297632
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 20:04	WG2297632
Benzene	U		0.0160	0.0400	1	06/03/2024 20:04	WG2297632
Bromobenzene	U		0.0420	0.500	1	06/03/2024 20:04	WG2297632
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 20:04	WG2297632
Bromoform	U		0.239	1.00	1	06/03/2024 20:04	WG2297632
Bromomethane	U	UJ C3 J3	0.148	0.500	1	06/03/2024 20:04	WG2297632
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 20:04	WG2297632
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 20:04	WG2297632
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 20:04	WG2297632
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 20:04	WG2297632
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 20:04	WG2297632
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 20:04	WG2297632
Chloroethane	U		0.0432	0.200	1	06/03/2024 20:04	WG2297632
Chloroform	U		0.0166	0.100	1	06/03/2024 20:04	WG2297632
Chloromethane	U		0.0556	0.500	1	06/03/2024 20:04	WG2297632
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 20:04	WG2297632
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 20:04	WG2297632
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/03/2024 20:04	WG2297632
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 20:04	WG2297632
Dibromomethane	U		0.0400	0.200	1	06/03/2024 20:04	WG2297632
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 20:04	WG2297632
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 20:04	WG2297632
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 20:04	WG2297632
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 20:04	WG2297632
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 20:04	WG2297632
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 20:04	WG2297632
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 20:04	WG2297632
cis-1,2-Dichloroethene	7.88		0.0276	0.100	1	06/03/2024 20:04	WG2297632
trans-1,2-Dichloroethene	0.175	J	0.0572	0.200	1	06/03/2024 20:04	WG2297632
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 20:04	WG2297632
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 20:04	WG2297632
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 20:04	WG2297632
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 20:04	WG2297632
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 20:04	WG2297632
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 20:04	WG2297632
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 20:04	WG2297632
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 20:04	WG2297632
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 20:04	WG2297632
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 20:04	WG2297632
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 20:04	WG2297632
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 20:04	WG2297632
Methylene Chloride	U		0.265	1.00	1	06/03/2024 20:04	WG2297632
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 20:04	WG2297632
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 20:04	WG2297632
Naphthalene	U		0.124	0.500	1	06/03/2024 20:04	WG2297632
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 20:04	WG2297632
Styrene	U		0.109	0.500	1	06/03/2024 20:04	WG2297632
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 20:04	WG2297632
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 20:04	WG2297632
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 20:04	WG2297632
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 20:04	WG2297632
Toluene	U		0.0500	0.200	1	06/03/2024 20:04	WG2297632
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 20:04	WG2297632
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 20:04	WG2297632
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 20:04	WG2297632

JC 7/10/24



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 20:04	WG2297632
Trichloroethene	U		0.0160	0.0400	1	06/03/2024 20:04	WG2297632
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2024 20:04	WG2297632
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 20:04	WG2297632
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 20:04	WG2297632
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 20:04	WG2297632
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 20:04	WG2297632
Vinyl chloride	0.215		0.0273	0.100	1	06/03/2024 20:04	WG2297632
Xylenes, Total	U		0.191	0.260	1	06/03/2024 20:04	WG2297632
Ethyl Ether	U		0.0170	0.100	1	06/03/2024 20:04	WG2297632
Tetrahydrofuran	U	UJ C3 J3 J4	0.0900	0.500	1	06/03/2024 20:04	WG2297632
Iodomethane	U		0.242	0.500	1	06/03/2024 20:04	WG2297632
Allyl chloride	U		0.580	1.00	1	06/03/2024 20:04	WG2297632
Trans-1,4-Dichloro-2-butene	U	J3	0.0560	0.200	1	06/03/2024 20:04	WG2297632
(S) Toluene-d8	92.8			75.0-131		06/03/2024 20:04	WG2297632
(S) 4-Bromofluorobenzene	100			67.0-138		06/03/2024 20:04	WG2297632
(S) 1,2-Dichloroethane-d4	93.7			70.0-130		06/03/2024 20:04	WG2297632

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

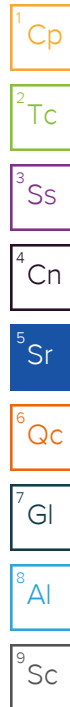
9Sc

JC 7/10/24

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	05/30/2024 23:11	WG2295881
Acrylonitrile	U		0.0760	0.500	1	05/30/2024 23:11	WG2295881
Benzene	U		0.0160	0.0400	1	05/30/2024 23:11	WG2295881
Bromobenzene	U		0.0420	0.500	1	05/30/2024 23:11	WG2295881
Bromodichloromethane	U		0.0315	0.100	1	05/30/2024 23:11	WG2295881
Bromoform	U		0.239	1.00	1	05/30/2024 23:11	WG2295881
Bromomethane	U	UJ C3	0.148	0.500	1	05/30/2024 23:11	WG2295881
n-Butylbenzene	U		0.153	0.500	1	05/30/2024 23:11	WG2295881
sec-Butylbenzene	U		0.101	0.500	1	05/30/2024 23:11	WG2295881
tert-Butylbenzene	U		0.0620	0.200	1	05/30/2024 23:11	WG2295881
Carbon tetrachloride	U		0.0432	0.200	1	05/30/2024 23:11	WG2295881
Chlorobenzene	U		0.0229	0.100	1	05/30/2024 23:11	WG2295881
Chlorodibromomethane	U		0.0180	0.100	1	05/30/2024 23:11	WG2295881
Chloroethane	U		0.0432	0.200	1	05/30/2024 23:11	WG2295881
Chloroform	U		0.0166	0.100	1	05/30/2024 23:11	WG2295881
Chloromethane	U		0.0556	0.500	1	05/30/2024 23:11	WG2295881
2-Chlorotoluene	U		0.0368	0.100	1	05/30/2024 23:11	WG2295881
4-Chlorotoluene	U		0.0452	0.200	1	05/30/2024 23:11	WG2295881
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/30/2024 23:11	WG2295881
1,2-Dibromoethane	U		0.0210	0.100	1	05/30/2024 23:11	WG2295881
Dibromomethane	U		0.0400	0.200	1	05/30/2024 23:11	WG2295881
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/30/2024 23:11	WG2295881
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/30/2024 23:11	WG2295881
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/30/2024 23:11	WG2295881
Dichlorodifluoromethane	U	UJ C3	0.0327	0.200	1	05/30/2024 23:11	WG2295881
1,1-Dichloroethane	U		0.0230	0.100	1	05/30/2024 23:11	WG2295881
1,2-Dichloroethane	U		0.0190	0.100	1	05/30/2024 23:11	WG2295881
1,1-Dichloroethene	U		0.0200	0.100	1	05/30/2024 23:11	WG2295881
cis-1,2-Dichloroethene	9.06		0.0276	0.100	1	06/02/2024 21:58	WG2296758
trans-1,2-Dichloroethene	0.0900	J	0.0572	0.200	1	05/30/2024 23:11	WG2295881
1,2-Dichloropropane	U		0.0508	0.200	1	05/30/2024 23:11	WG2295881
1,1-Dichloropropene	U		0.0280	0.100	1	05/30/2024 23:11	WG2295881
1,3-Dichloropropane	U		0.0700	0.200	1	05/30/2024 23:11	WG2295881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/30/2024 23:11	WG2295881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/30/2024 23:11	WG2295881
2,2-Dichloropropane	U		0.0317	0.100	1	05/30/2024 23:11	WG2295881
Di-isopropyl ether	U		0.0140	0.0400	1	05/30/2024 23:11	WG2295881
Ethylbenzene	U		0.0212	0.100	1	05/30/2024 23:11	WG2295881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/30/2024 23:11	WG2295881
Isopropylbenzene	U		0.0345	0.100	1	05/30/2024 23:11	WG2295881
p-Isopropyltoluene	U		0.0932	0.200	1	05/30/2024 23:11	WG2295881
2-Butanone (MEK)	U		0.500	1.00	1	05/30/2024 23:11	WG2295881
Methylene Chloride	U		0.265	1.00	1	05/30/2024 23:11	WG2295881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/30/2024 23:11	WG2295881
Methyl tert-butyl ether	U	UJ C3	0.0118	0.0400	1	05/30/2024 23:11	WG2295881
Naphthalene	U	UJ C3 J4	0.124	0.500	1	05/30/2024 23:11	WG2295881
n-Propylbenzene	U		0.0472	0.200	1	05/30/2024 23:11	WG2295881
Styrene	U		0.109	0.500	1	05/30/2024 23:11	WG2295881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/30/2024 23:11	WG2295881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/30/2024 23:11	WG2295881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/30/2024 23:11	WG2295881
Tetrachloroethene	0.0390	J	0.0280	0.100	1	06/02/2024 21:58	WG2296758
Toluene	0.0800	J	0.0500	0.200	1	05/30/2024 23:11	WG2295881
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	05/30/2024 23:11	WG2295881
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/30/2024 23:11	WG2295881
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/30/2024 23:11	WG2295881

JC 7/10/24



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/30/2024 23:11	WG2295881
Trichloroethene	0.802		0.0160	0.0400	1	06/02/2024 21:58	WG2296758
Trichlorofluoromethane	U		0.0200	0.100	1	05/30/2024 23:11	WG2295881
1,2,3-Trichloropropane	U		0.204	0.500	1	05/30/2024 23:11	WG2295881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/30/2024 23:11	WG2295881
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/30/2024 23:11	WG2295881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/30/2024 23:11	WG2295881
Vinyl chloride	0.691	J- C3	0.0273	0.100	1	05/30/2024 23:11	WG2295881
Xylenes, Total	U		0.191	0.260	1	05/30/2024 23:11	WG2295881
Ethyl Ether	U		0.0170	0.100	1	05/30/2024 23:11	WG2295881
Tetrahydrofuran	0.224	J C3 J	0.0900	0.500	1	05/30/2024 23:11	WG2295881
Iodomethane	U		0.242	0.500	1	05/30/2024 23:11	WG2295881
Allyl chloride	U		0.580	1.00	1	05/30/2024 23:11	WG2295881
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/30/2024 23:11	WG2295881
(S) Toluene-d8	105			75.0-131		05/30/2024 23:11	WG2295881
(S) Toluene-d8	100			75.0-131		06/02/2024 21:58	WG2296758
(S) 4-Bromofluorobenzene	97.3			67.0-138		05/30/2024 23:11	WG2295881
(S) 4-Bromofluorobenzene	97.2			67.0-138		06/02/2024 21:58	WG2296758
(S) 1,2-Dichloroethane-d4	93.8			70.0-130		05/30/2024 23:11	WG2295881
(S) 1,2-Dichloroethane-d4	102			70.0-130		06/02/2024 21:58	WG2296758

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

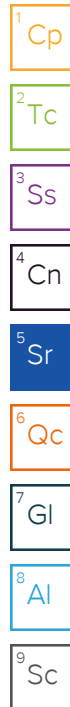
9Sc

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/30/2024 22:30	WG2295881
Acrylonitrile	U		0.0760	0.500	1	05/30/2024 22:30	WG2295881
Benzene	0.0590		0.0160	0.0400	1	05/30/2024 22:30	WG2295881
Bromobenzene	U		0.0420	0.500	1	05/30/2024 22:30	WG2295881
Bromodichloromethane	U		0.0315	0.100	1	05/30/2024 22:30	WG2295881
Bromoform	U		0.239	1.00	1	05/30/2024 22:30	WG2295881
Bromomethane	U	UJ C3	0.148	0.500	1	05/30/2024 22:30	WG2295881
n-Butylbenzene	U		0.153	0.500	1	05/30/2024 22:30	WG2295881
sec-Butylbenzene	U		0.101	0.500	1	05/30/2024 22:30	WG2295881
tert-Butylbenzene	U		0.0620	0.200	1	05/30/2024 22:30	WG2295881
Carbon tetrachloride	U		0.0432	0.200	1	05/30/2024 22:30	WG2295881
Chlorobenzene	U		0.0229	0.100	1	05/30/2024 22:30	WG2295881
Chlorodibromomethane	U		0.0180	0.100	1	05/30/2024 22:30	WG2295881
Chloroethane	U		0.0432	0.200	1	05/30/2024 22:30	WG2295881
Chloroform	U		0.0166	0.100	1	05/30/2024 22:30	WG2295881
Chloromethane	U		0.0556	0.500	1	05/30/2024 22:30	WG2295881
2-Chlorotoluene	U		0.0368	0.100	1	05/30/2024 22:30	WG2295881
4-Chlorotoluene	U		0.0452	0.200	1	05/30/2024 22:30	WG2295881
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/30/2024 22:30	WG2295881
1,2-Dibromoethane	U		0.0210	0.100	1	05/30/2024 22:30	WG2295881
Dibromomethane	U		0.0400	0.200	1	05/30/2024 22:30	WG2295881
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/30/2024 22:30	WG2295881
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/30/2024 22:30	WG2295881
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/30/2024 22:30	WG2295881
Dichlorodifluoromethane	U	UJ C3	0.0327	0.200	1	05/30/2024 22:30	WG2295881
1,1-Dichloroethane	U		0.0230	0.100	1	05/30/2024 22:30	WG2295881
1,2-Dichloroethane	U		0.0190	0.100	1	05/30/2024 22:30	WG2295881
1,1-Dichloroethene	2.04		0.0200	0.100	1	05/30/2024 22:30	WG2295881
cis-1,2-Dichloroethene	696		0.552	2.00	20	06/02/2024 22:17	WG2296758
trans-1,2-Dichloroethene	3.19		0.0572	0.200	1	05/30/2024 22:30	WG2295881
1,2-Dichloropropane	U		0.0508	0.200	1	05/30/2024 22:30	WG2295881
1,1-Dichloropropene	U		0.0280	0.100	1	05/30/2024 22:30	WG2295881
1,3-Dichloropropane	U		0.0700	0.200	1	05/30/2024 22:30	WG2295881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/30/2024 22:30	WG2295881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/30/2024 22:30	WG2295881
2,2-Dichloropropane	U		0.0317	0.100	1	05/30/2024 22:30	WG2295881
Di-isopropyl ether	U		0.0140	0.0400	1	05/30/2024 22:30	WG2295881
Ethylbenzene	U		0.0212	0.100	1	05/30/2024 22:30	WG2295881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/30/2024 22:30	WG2295881
Isopropylbenzene	U		0.0345	0.100	1	05/30/2024 22:30	WG2295881
p-Isopropyltoluene	U		0.0932	0.200	1	05/30/2024 22:30	WG2295881
2-Butanone (MEK)	U		0.500	1.00	1	05/30/2024 22:30	WG2295881
Methylene Chloride	U		0.265	1.00	1	05/30/2024 22:30	WG2295881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/30/2024 22:30	WG2295881
Methyl tert-butyl ether	U	UJ C3	0.0118	0.0400	1	05/30/2024 22:30	WG2295881
Naphthalene	U	UJ C3 J4	0.124	0.500	1	05/30/2024 22:30	WG2295881
n-Propylbenzene	U		0.0472	0.200	1	05/30/2024 22:30	WG2295881
Styrene	U		0.109	0.500	1	05/30/2024 22:30	WG2295881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/30/2024 22:30	WG2295881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/30/2024 22:30	WG2295881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/30/2024 22:30	WG2295881
Tetrachloroethene	115		0.560	2.00	20	06/02/2024 22:17	WG2296758
Toluene	0.0740	J	0.0500	0.200	1	05/30/2024 22:30	WG2295881
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	05/30/2024 22:30	WG2295881
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/30/2024 22:30	WG2295881
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/30/2024 22:30	WG2295881

JC 7/10/24



MW110-052224

SAMPLE RESULTS - 07

Collected date/time: 05/22/24 13:45

L1739788

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/30/2024 22:30	WG2295881
Trichloroethene	137		0.320	0.800	20	06/02/2024 22:17	WG2296758
Trichlorofluoromethane	U		0.0200	0.100	1	05/30/2024 22:30	WG2295881
1,2,3-Trichloropropane	U		0.204	0.500	1	05/30/2024 22:30	WG2295881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/30/2024 22:30	WG2295881
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/30/2024 22:30	WG2295881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/30/2024 22:30	WG2295881
Vinyl chloride	0.409	J- C3	0.0273	0.100	1	05/30/2024 22:30	WG2295881
Xylenes, Total	U		0.191	0.260	1	05/30/2024 22:30	WG2295881
Ethyl Ether	U		0.0170	0.100	1	05/30/2024 22:30	WG2295881
Tetrahydrofuran	U		1.80	10.0	20	06/02/2024 22:17	WG2296758
Iodomethane	U		0.242	0.500	1	05/30/2024 22:30	WG2295881
Allyl chloride	U		0.580	1.00	1	05/30/2024 22:30	WG2295881
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/30/2024 22:30	WG2295881
(S) Toluene-d8	105			75.0-131		05/30/2024 22:30	WG2295881
(S) Toluene-d8	98.9			75.0-131		06/02/2024 22:17	WG2296758
(S) 4-Bromofluorobenzene	97.9			67.0-138		05/30/2024 22:30	WG2295881
(S) 4-Bromofluorobenzene	101			67.0-138		06/02/2024 22:17	WG2296758
(S) 1,2-Dichloroethane-d4	91.3			70.0-130		05/30/2024 22:30	WG2295881
(S) 1,2-Dichloroethane-d4	96.6			70.0-130		06/02/2024 22:17	WG2296758

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

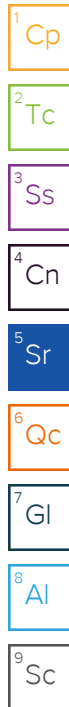
9 Sc

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/30/2024 23:30	WG2295881
Acrylonitrile	U		0.0760	0.500	1	05/30/2024 23:30	WG2295881
Benzene	2.56		0.0160	0.0400	1	05/30/2024 23:30	WG2295881
Bromobenzene	U		0.0420	0.500	1	05/30/2024 23:30	WG2295881
Bromodichloromethane	U		0.0315	0.100	1	05/30/2024 23:30	WG2295881
Bromoform	U		0.239	1.00	1	05/30/2024 23:30	WG2295881
Bromomethane	U	UJ C3	0.148	0.500	1	05/30/2024 23:30	WG2295881
n-Butylbenzene	U		0.153	0.500	1	05/30/2024 23:30	WG2295881
sec-Butylbenzene	U		0.101	0.500	1	05/30/2024 23:30	WG2295881
tert-Butylbenzene	U		0.0620	0.200	1	05/30/2024 23:30	WG2295881
Carbon tetrachloride	U		0.0432	0.200	1	05/30/2024 23:30	WG2295881
Chlorobenzene	U		0.0229	0.100	1	05/30/2024 23:30	WG2295881
Chlorodibromomethane	U		0.0180	0.100	1	05/30/2024 23:30	WG2295881
Chloroethane	U		0.0432	0.200	1	05/30/2024 23:30	WG2295881
Chloroform	U		0.0166	0.100	1	05/30/2024 23:30	WG2295881
Chloromethane	U		0.0556	0.500	1	05/30/2024 23:30	WG2295881
2-Chlorotoluene	U		0.0368	0.100	1	05/30/2024 23:30	WG2295881
4-Chlorotoluene	U		0.0452	0.200	1	05/30/2024 23:30	WG2295881
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/30/2024 23:30	WG2295881
1,2-Dibromoethane	U		0.0210	0.100	1	05/30/2024 23:30	WG2295881
Dibromomethane	U		0.0400	0.200	1	05/30/2024 23:30	WG2295881
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/30/2024 23:30	WG2295881
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/30/2024 23:30	WG2295881
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/30/2024 23:30	WG2295881
Dichlorodifluoromethane	U	UJ C3	0.0327	0.200	1	05/30/2024 23:30	WG2295881
1,1-Dichloroethane	0.0260	J	0.0230	0.100	1	05/30/2024 23:30	WG2295881
1,2-Dichloroethane	U		0.0190	0.100	1	05/30/2024 23:30	WG2295881
1,1-Dichloroethene	1.23		0.0200	0.100	1	05/30/2024 23:30	WG2295881
cis-1,2-Dichloroethene	602		0.552	2.00	20	06/02/2024 22:37	WG2296758
trans-1,2-Dichloroethene	2.79		0.0572	0.200	1	05/30/2024 23:30	WG2295881
1,2-Dichloropropane	U		0.0508	0.200	1	05/30/2024 23:30	WG2295881
1,1-Dichloropropene	U		0.0280	0.100	1	05/30/2024 23:30	WG2295881
1,3-Dichloropropane	U		0.0700	0.200	1	05/30/2024 23:30	WG2295881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/30/2024 23:30	WG2295881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/30/2024 23:30	WG2295881
2,2-Dichloropropane	U		0.0317	0.100	1	05/30/2024 23:30	WG2295881
Di-isopropyl ether	0.0430		0.0140	0.0400	1	05/30/2024 23:30	WG2295881
Ethylbenzene	U		0.0212	0.100	1	05/30/2024 23:30	WG2295881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/30/2024 23:30	WG2295881
Isopropylbenzene	U		0.0345	0.100	1	05/30/2024 23:30	WG2295881
p-Isopropyltoluene	U		0.0932	0.200	1	05/30/2024 23:30	WG2295881
2-Butanone (MEK)	U		0.500	1.00	1	05/30/2024 23:30	WG2295881
Methylene Chloride	U		0.265	1.00	1	05/30/2024 23:30	WG2295881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/30/2024 23:30	WG2295881
Methyl tert-butyl ether	U	UJ C3	0.0118	0.0400	1	05/30/2024 23:30	WG2295881
Naphthalene	U	UJ C3 J4	0.124	0.500	1	05/30/2024 23:30	WG2295881
n-Propylbenzene	U		0.0472	0.200	1	05/30/2024 23:30	WG2295881
Styrene	U		0.109	0.500	1	05/30/2024 23:30	WG2295881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/30/2024 23:30	WG2295881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/30/2024 23:30	WG2295881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/30/2024 23:30	WG2295881
Tetrachloroethene	U		0.0280	0.100	1	05/30/2024 23:30	WG2295881
Toluene	0.0870	J	0.0500	0.200	1	05/30/2024 23:30	WG2295881
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	05/30/2024 23:30	WG2295881
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/30/2024 23:30	WG2295881
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/30/2024 23:30	WG2295881

JC 7/10/24



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/30/2024 23:30	WG2295881
Trichloroethene	0.359		0.0160	0.0400	1	05/30/2024 23:30	WG2295881
Trichlorofluoromethane	U		0.0200	0.100	1	05/30/2024 23:30	WG2295881
1,2,3-Trichloropropane	U		0.204	0.500	1	05/30/2024 23:30	WG2295881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/30/2024 23:30	WG2295881
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/30/2024 23:30	WG2295881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/30/2024 23:30	WG2295881
Vinyl chloride	62.7	J- C3	0.0273	0.100	1	05/30/2024 23:30	WG2295881
Xylenes, Total	U		0.191	0.260	1	05/30/2024 23:30	WG2295881
Ethyl Ether	0.243		0.0170	0.100	1	05/30/2024 23:30	WG2295881
Tetrahydrofuran	0.597	J- C3	0.0900	0.500	1	05/30/2024 23:30	WG2295881
Iodomethane	U		0.242	0.500	1	05/30/2024 23:30	WG2295881
Allyl chloride	U		0.580	1.00	1	05/30/2024 23:30	WG2295881
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/30/2024 23:30	WG2295881
(S) Toluene-d8	104			75.0-131		05/30/2024 23:30	WG2295881
(S) Toluene-d8	98.3			75.0-131		06/02/2024 22:37	WG2296758
(S) 4-Bromofluorobenzene	98.9			67.0-138		05/30/2024 23:30	WG2295881
(S) 4-Bromofluorobenzene	103			67.0-138		06/02/2024 22:37	WG2296758
(S) 1,2-Dichloroethane-d4	92.1			70.0-130		05/30/2024 23:30	WG2295881
(S) 1,2-Dichloroethane-d4	102			70.0-130		06/02/2024 22:37	WG2296758

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

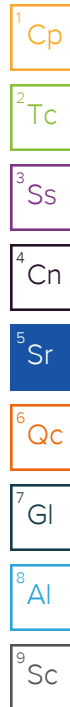
8Al

9Sc

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/30/2024 23:49	WG2295881
Acrylonitrile	U		0.0760	0.500	1	05/30/2024 23:49	WG2295881
Benzene	0.0450		0.0160	0.0400	1	05/30/2024 23:49	WG2295881
Bromobenzene	U		0.0420	0.500	1	05/30/2024 23:49	WG2295881
Bromodichloromethane	U		0.0315	0.100	1	05/30/2024 23:49	WG2295881
Bromoform	U		0.239	1.00	1	05/30/2024 23:49	WG2295881
Bromomethane	U	UJ C3	0.148	0.500	1	05/30/2024 23:49	WG2295881
n-Butylbenzene	U		0.153	0.500	1	05/30/2024 23:49	WG2295881
sec-Butylbenzene	U		0.101	0.500	1	05/30/2024 23:49	WG2295881
tert-Butylbenzene	U		0.0620	0.200	1	05/30/2024 23:49	WG2295881
Carbon tetrachloride	U		0.0432	0.200	1	05/30/2024 23:49	WG2295881
Chlorobenzene	U		0.0229	0.100	1	05/30/2024 23:49	WG2295881
Chlorodibromomethane	U		0.0180	0.100	1	05/30/2024 23:49	WG2295881
Chloroethane	U		0.0432	0.200	1	05/30/2024 23:49	WG2295881
Chloroform	U		0.0166	0.100	1	05/30/2024 23:49	WG2295881
Chloromethane	U		0.0556	0.500	1	05/30/2024 23:49	WG2295881
2-Chlorotoluene	U		0.0368	0.100	1	05/30/2024 23:49	WG2295881
4-Chlorotoluene	U		0.0452	0.200	1	05/30/2024 23:49	WG2295881
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/30/2024 23:49	WG2295881
1,2-Dibromoethane	U		0.0210	0.100	1	05/30/2024 23:49	WG2295881
Dibromomethane	U		0.0400	0.200	1	05/30/2024 23:49	WG2295881
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/30/2024 23:49	WG2295881
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/30/2024 23:49	WG2295881
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/30/2024 23:49	WG2295881
Dichlorodifluoromethane	U	UJ C3	0.0327	0.200	1	05/30/2024 23:49	WG2295881
1,1-Dichloroethane	0.116		0.0230	0.100	1	05/30/2024 23:49	WG2295881
1,2-Dichloroethane	U		0.0190	0.100	1	05/30/2024 23:49	WG2295881
1,1-Dichloroethene	2.68		0.0200	0.100	1	05/30/2024 23:49	WG2295881
cis-1,2-Dichloroethene	547		0.552	2.00	20	06/02/2024 22:56	WG2296758
trans-1,2-Dichloroethene	0.671		0.0572	0.200	1	05/30/2024 23:49	WG2295881
1,2-Dichloropropane	U		0.0508	0.200	1	05/30/2024 23:49	WG2295881
1,1-Dichloropropene	U		0.0280	0.100	1	05/30/2024 23:49	WG2295881
1,3-Dichloropropane	U		0.0700	0.200	1	05/30/2024 23:49	WG2295881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/30/2024 23:49	WG2295881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/30/2024 23:49	WG2295881
2,2-Dichloropropane	U		0.0317	0.100	1	05/30/2024 23:49	WG2295881
Di-isopropyl ether	U		0.0140	0.0400	1	05/30/2024 23:49	WG2295881
Ethylbenzene	U		0.0212	0.100	1	05/30/2024 23:49	WG2295881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/30/2024 23:49	WG2295881
Isopropylbenzene	U		0.0345	0.100	1	05/30/2024 23:49	WG2295881
p-Isopropyltoluene	U		0.0932	0.200	1	05/30/2024 23:49	WG2295881
2-Butanone (MEK)	U		0.500	1.00	1	05/30/2024 23:49	WG2295881
Methylene Chloride	U		0.265	1.00	1	05/30/2024 23:49	WG2295881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/30/2024 23:49	WG2295881
Methyl tert-butyl ether	U	UJ C3	0.0118	0.0400	1	05/30/2024 23:49	WG2295881
Naphthalene	U	UJ C3 J4	0.124	0.500	1	05/30/2024 23:49	WG2295881
n-Propylbenzene	U		0.0472	0.200	1	05/30/2024 23:49	WG2295881
Styrene	U		0.109	0.500	1	05/30/2024 23:49	WG2295881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/30/2024 23:49	WG2295881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/30/2024 23:49	WG2295881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/30/2024 23:49	WG2295881
Tetrachloroethene	U		0.0280	0.100	1	05/30/2024 23:49	WG2295881
Toluene	0.0800	J	0.0500	0.200	1	05/30/2024 23:49	WG2295881
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	05/30/2024 23:49	WG2295881
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/30/2024 23:49	WG2295881
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/30/2024 23:49	WG2295881



JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/30/2024 23:49	WG2295881
Trichloroethene	0.0700		0.0160	0.0400	1	05/30/2024 23:49	WG2295881
Trichlorofluoromethane	U		0.0200	0.100	1	05/30/2024 23:49	WG2295881
1,2,3-Trichloropropane	U		0.204	0.500	1	05/30/2024 23:49	WG2295881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/30/2024 23:49	WG2295881
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/30/2024 23:49	WG2295881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/30/2024 23:49	WG2295881
Vinyl chloride	62.5	J- C3	0.0273	0.100	1	05/30/2024 23:49	WG2295881
Xylenes, Total	U		0.191	0.260	1	05/30/2024 23:49	WG2295881
Ethyl Ether	0.0700	J	0.0170	0.100	1	05/30/2024 23:49	WG2295881
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/30/2024 23:49	WG2295881
Iodomethane	U		0.242	0.500	1	05/30/2024 23:49	WG2295881
Allyl chloride	U		0.580	1.00	1	05/30/2024 23:49	WG2295881
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/30/2024 23:49	WG2295881
(S) Toluene-d8	105			75.0-131		05/30/2024 23:49	WG2295881
(S) Toluene-d8	103			75.0-131		06/02/2024 22:56	WG2296758
(S) 4-Bromofluorobenzene	96.4			67.0-138		05/30/2024 23:49	WG2295881
(S) 4-Bromofluorobenzene	96.8			67.0-138		06/02/2024 22:56	WG2296758
(S) 1,2-Dichloroethane-d4	92.3			70.0-130		05/30/2024 23:49	WG2295881
(S) 1,2-Dichloroethane-d4	98.6			70.0-130		06/02/2024 22:56	WG2296758

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

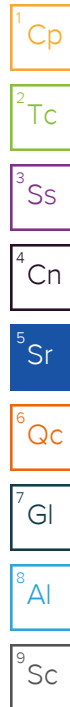
9 Sc

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/31/2024 00:08	WG2295881
Acrylonitrile	U		0.0760	0.500	1	05/31/2024 00:08	WG2295881
Benzene	U		0.0160	0.0400	1	05/31/2024 00:08	WG2295881
Bromobenzene	U		0.0420	0.500	1	05/31/2024 00:08	WG2295881
Bromodichloromethane	U		0.0315	0.100	1	05/31/2024 00:08	WG2295881
Bromoform	U		0.239	1.00	1	05/31/2024 00:08	WG2295881
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2024 00:08	WG2295881
n-Butylbenzene	U		0.153	0.500	1	05/31/2024 00:08	WG2295881
sec-Butylbenzene	U		0.101	0.500	1	05/31/2024 00:08	WG2295881
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2024 00:08	WG2295881
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2024 00:08	WG2295881
Chlorobenzene	U		0.0229	0.100	1	05/31/2024 00:08	WG2295881
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2024 00:08	WG2295881
Chloroethane	U		0.0432	0.200	1	05/31/2024 00:08	WG2295881
Chloroform	U		0.0166	0.100	1	05/31/2024 00:08	WG2295881
Chloromethane	U		0.0556	0.500	1	05/31/2024 00:08	WG2295881
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2024 00:08	WG2295881
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2024 00:08	WG2295881
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/31/2024 00:08	WG2295881
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2024 00:08	WG2295881
Dibromomethane	U		0.0400	0.200	1	05/31/2024 00:08	WG2295881
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2024 00:08	WG2295881
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2024 00:08	WG2295881
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2024 00:08	WG2295881
Dichlorodifluoromethane	U	UJ C3	0.0327	0.200	1	05/31/2024 00:08	WG2295881
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2024 00:08	WG2295881
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2024 00:08	WG2295881
1,1-Dichloroethene	0.945		0.0200	0.100	1	05/31/2024 00:08	WG2295881
cis-1,2-Dichloroethene	21.5		0.0276	0.100	1	06/02/2024 23:15	WG2296758
trans-1,2-Dichloroethene	0.223		0.0572	0.200	1	05/31/2024 00:08	WG2295881
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2024 00:08	WG2295881
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2024 00:08	WG2295881
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2024 00:08	WG2295881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2024 00:08	WG2295881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2024 00:08	WG2295881
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2024 00:08	WG2295881
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2024 00:08	WG2295881
Ethylbenzene	U		0.0212	0.100	1	05/31/2024 00:08	WG2295881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2024 00:08	WG2295881
Isopropylbenzene	U		0.0345	0.100	1	05/31/2024 00:08	WG2295881
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2024 00:08	WG2295881
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2024 00:08	WG2295881
Methylene Chloride	U		0.265	1.00	1	05/31/2024 00:08	WG2295881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2024 00:08	WG2295881
Methyl tert-butyl ether	U	UJ C3	0.0118	0.0400	1	05/31/2024 00:08	WG2295881
Naphthalene	U	UJ C3 J4	0.124	0.500	1	05/31/2024 00:08	WG2295881
n-Propylbenzene	U		0.0472	0.200	1	05/31/2024 00:08	WG2295881
Styrene	U		0.109	0.500	1	05/31/2024 00:08	WG2295881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2024 00:08	WG2295881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2024 00:08	WG2295881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/31/2024 00:08	WG2295881
Tetrachloroethene	U		0.0280	0.100	1	05/31/2024 00:08	WG2295881
Toluene	0.0900	J	0.0500	0.200	1	05/31/2024 00:08	WG2295881
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	05/31/2024 00:08	WG2295881
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/31/2024 00:08	WG2295881
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2024 00:08	WG2295881

JC 7/10/24



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/31/2024 00:08	WG2295881
Trichloroethene	3.13		0.0160	0.0400	1	05/31/2024 00:08	WG2295881
Trichlorofluoromethane	U		0.0200	0.100	1	05/31/2024 00:08	WG2295881
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2024 00:08	WG2295881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/31/2024 00:08	WG2295881
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/31/2024 00:08	WG2295881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2024 00:08	WG2295881
Vinyl chloride	0.340	J- C3	0.0273	0.100	1	05/31/2024 00:08	WG2295881
Xylenes, Total	U		0.191	0.260	1	05/31/2024 00:08	WG2295881
Ethyl Ether	U		0.0170	0.100	1	05/31/2024 00:08	WG2295881
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/31/2024 00:08	WG2295881
Iodomethane	U		0.242	0.500	1	05/31/2024 00:08	WG2295881
Allyl chloride	U		0.580	1.00	1	05/31/2024 00:08	WG2295881
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/31/2024 00:08	WG2295881
(S) Toluene-d8	102			75.0-131		05/31/2024 00:08	WG2295881
(S) Toluene-d8	100			75.0-131		06/02/2024 23:15	WG2296758
(S) 4-Bromofluorobenzene	98.0			67.0-138		05/31/2024 00:08	WG2295881
(S) 4-Bromofluorobenzene	102			67.0-138		06/02/2024 23:15	WG2296758
(S) 1,2-Dichloroethane-d4	93.8			70.0-130		05/31/2024 00:08	WG2295881
(S) 1,2-Dichloroethane-d4	102			70.0-130		06/02/2024 23:15	WG2296758

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/10/24

R-MW6-052224

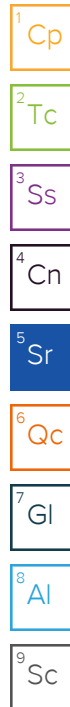
SAMPLE RESULTS - 11

Collected date/time: 05/22/24 11:05

L1739788

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/31/2024 00:27	WG2295881
Acrylonitrile	U		0.0760	0.500	1	05/31/2024 00:27	WG2295881
Benzene	0.0510		0.0160	0.0400	1	05/31/2024 00:27	WG2295881
Bromobenzene	U		0.0420	0.500	1	05/31/2024 00:27	WG2295881
Bromodichloromethane	U		0.0315	0.100	1	05/31/2024 00:27	WG2295881
Bromoform	U		0.239	1.00	1	05/31/2024 00:27	WG2295881
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2024 00:27	WG2295881
n-Butylbenzene	U		0.153	0.500	1	05/31/2024 00:27	WG2295881
sec-Butylbenzene	U		0.101	0.500	1	05/31/2024 00:27	WG2295881
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2024 00:27	WG2295881
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2024 00:27	WG2295881
Chlorobenzene	U		0.0229	0.100	1	05/31/2024 00:27	WG2295881
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2024 00:27	WG2295881
Chloroethane	U		0.0432	0.200	1	05/31/2024 00:27	WG2295881
Chloroform	U		0.0166	0.100	1	05/31/2024 00:27	WG2295881
Chloromethane	U		0.0556	0.500	1	05/31/2024 00:27	WG2295881
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2024 00:27	WG2295881
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2024 00:27	WG2295881
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/31/2024 00:27	WG2295881
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2024 00:27	WG2295881
Dibromomethane	U		0.0400	0.200	1	05/31/2024 00:27	WG2295881
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2024 00:27	WG2295881
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2024 00:27	WG2295881
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2024 00:27	WG2295881
Dichlorodifluoromethane	U	UJ C3	0.0327	0.200	1	05/31/2024 00:27	WG2295881
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2024 00:27	WG2295881
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2024 00:27	WG2295881
1,1-Dichloroethene	U		0.0200	0.100	1	05/31/2024 00:27	WG2295881
cis-1,2-Dichloroethene	2.29		0.0276	0.100	1	06/02/2024 23:34	WG2296758
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/31/2024 00:27	WG2295881
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2024 00:27	WG2295881
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2024 00:27	WG2295881
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2024 00:27	WG2295881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2024 00:27	WG2295881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2024 00:27	WG2295881
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2024 00:27	WG2295881
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2024 00:27	WG2295881
Ethylbenzene	U		0.0212	0.100	1	05/31/2024 00:27	WG2295881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2024 00:27	WG2295881
Isopropylbenzene	U		0.0345	0.100	1	05/31/2024 00:27	WG2295881
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2024 00:27	WG2295881
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2024 00:27	WG2295881
Methylene Chloride	U		0.265	1.00	1	05/31/2024 00:27	WG2295881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2024 00:27	WG2295881
Methyl tert-butyl ether	U	UJ C3	0.0118	0.0400	1	05/31/2024 00:27	WG2295881
Naphthalene	U	UJ C3 J4	0.124	0.500	1	05/31/2024 00:27	WG2295881
n-Propylbenzene	U		0.0472	0.200	1	05/31/2024 00:27	WG2295881
Styrene	U		0.109	0.500	1	05/31/2024 00:27	WG2295881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2024 00:27	WG2295881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2024 00:27	WG2295881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/31/2024 00:27	WG2295881
Tetrachloroethene	U		0.0280	0.100	1	05/31/2024 00:27	WG2295881
Toluene	0.119	J	0.0500	0.200	1	05/31/2024 00:27	WG2295881
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	05/31/2024 00:27	WG2295881
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/31/2024 00:27	WG2295881
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2024 00:27	WG2295881



JC 7/10/24

ACCOUNT:

PES Environmental, Inc.- WA

PROJECT:

443022-1413001.10

SDG:

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DATE/TIME:

06/14/24 09:51

PAGE:

28 of 76

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/31/2024 00:27	WG2295881
Trichloroethene	0.120		0.0160	0.0400	1	05/31/2024 00:27	WG2295881
Trichlorofluoromethane	U		0.0200	0.100	1	05/31/2024 00:27	WG2295881
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2024 00:27	WG2295881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/31/2024 00:27	WG2295881
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/31/2024 00:27	WG2295881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2024 00:27	WG2295881
Vinyl chloride	1.25	J- C3	0.0273	0.100	1	05/31/2024 00:27	WG2295881
Xylenes, Total	U		0.191	0.260	1	05/31/2024 00:27	WG2295881
Ethyl Ether	U		0.0170	0.100	1	05/31/2024 00:27	WG2295881
Tetrahydrofuran	0.601	J- C3	0.0900	0.500	1	05/31/2024 00:27	WG2295881
Iodomethane	U		0.242	0.500	1	05/31/2024 00:27	WG2295881
Allyl chloride	U		0.580	1.00	1	05/31/2024 00:27	WG2295881
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/31/2024 00:27	WG2295881
(S) Toluene-d8	103			75.0-131		05/31/2024 00:27	WG2295881
(S) Toluene-d8	97.7			75.0-131		06/02/2024 23:34	WG2296758
(S) 4-Bromofluorobenzene	96.3			67.0-138		05/31/2024 00:27	WG2295881
(S) 4-Bromofluorobenzene	102			67.0-138		06/02/2024 23:34	WG2296758
(S) 1,2-Dichloroethane-d4	93.8			70.0-130		05/31/2024 00:27	WG2295881
(S) 1,2-Dichloroethane-d4	101			70.0-130		06/02/2024 23:34	WG2296758

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

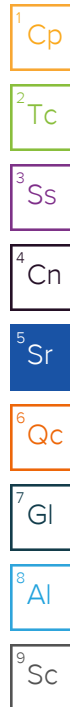
7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	10.5		0.548	1.00	1	05/31/2024 00:46	WG2295881
Acrylonitrile	U		0.0760	0.500	1	05/31/2024 00:46	WG2295881
Benzene	0.124		0.0160	0.0400	1	05/31/2024 00:46	WG2295881
Bromobenzene	U		0.0420	0.500	1	05/31/2024 00:46	WG2295881
Bromodichloromethane	U		0.0315	0.100	1	05/31/2024 00:46	WG2295881
Bromoform	U		0.239	1.00	1	05/31/2024 00:46	WG2295881
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2024 00:46	WG2295881
n-Butylbenzene	U		0.153	0.500	1	05/31/2024 00:46	WG2295881
sec-Butylbenzene	U		0.101	0.500	1	05/31/2024 00:46	WG2295881
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2024 00:46	WG2295881
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2024 00:46	WG2295881
Chlorobenzene	U		0.0229	0.100	1	05/31/2024 00:46	WG2295881
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2024 00:46	WG2295881
Chloroethane	U		0.0432	0.200	1	05/31/2024 00:46	WG2295881
Chloroform	U		0.0166	0.100	1	05/31/2024 00:46	WG2295881
Chloromethane	U		0.0556	0.500	1	05/31/2024 00:46	WG2295881
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2024 00:46	WG2295881
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2024 00:46	WG2295881
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/31/2024 00:46	WG2295881
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2024 00:46	WG2295881
Dibromomethane	U		0.0400	0.200	1	05/31/2024 00:46	WG2295881
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2024 00:46	WG2295881
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2024 00:46	WG2295881
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2024 00:46	WG2295881
Dichlorodifluoromethane	U	UJ C3	0.0327	0.200	1	05/31/2024 00:46	WG2295881
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2024 00:46	WG2295881
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2024 00:46	WG2295881
1,1-Dichloroethene	U		0.0200	0.100	1	05/31/2024 00:46	WG2295881
cis-1,2-Dichloroethene	5.71	J- C3	0.0276	0.100	1	05/31/2024 00:46	WG2295881
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/31/2024 00:46	WG2295881
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2024 00:46	WG2295881
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2024 00:46	WG2295881
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2024 00:46	WG2295881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2024 00:46	WG2295881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2024 00:46	WG2295881
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2024 00:46	WG2295881
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2024 00:46	WG2295881
Ethylbenzene	0.0680	J	0.0212	0.100	1	05/31/2024 00:46	WG2295881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2024 00:46	WG2295881
Isopropylbenzene	U		0.0345	0.100	1	05/31/2024 00:46	WG2295881
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2024 00:46	WG2295881
2-Butanone (MEK)	3.73	J+ C5	0.500	1.00	1	05/31/2024 00:46	WG2295881
Methylene Chloride	U		0.265	1.00	1	05/31/2024 00:46	WG2295881
4-Methyl-2-pentanone (MIBK)	0.593	J	0.400	1.00	1	05/31/2024 00:46	WG2295881
Methyl tert-butyl ether	U	UJ C3	0.0118	0.0400	1	05/31/2024 00:46	WG2295881
Naphthalene	U	UJ C3 J4	0.124	0.500	1	05/31/2024 00:46	WG2295881
n-Propylbenzene	U		0.0472	0.200	1	05/31/2024 00:46	WG2295881
Styrene	U		0.109	0.500	1	05/31/2024 00:46	WG2295881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2024 00:46	WG2295881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2024 00:46	WG2295881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/31/2024 00:46	WG2295881
Tetrachloroethene	0.0840	J	0.0280	0.100	1	05/31/2024 00:46	WG2295881
Toluene	0.538		0.0500	0.200	1	05/31/2024 00:46	WG2295881
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	05/31/2024 00:46	WG2295881
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/31/2024 00:46	WG2295881
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2024 00:46	WG2295881



JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/31/2024 00:46	WG2295881
Trichloroethene	0.301		0.0160	0.0400	1	05/31/2024 00:46	WG2295881
Trichlorofluoromethane	U		0.0200	0.100	1	05/31/2024 00:46	WG2295881
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2024 00:46	WG2295881
1,2,4-Trimethylbenzene	0.0720	J	0.0464	0.200	1	05/31/2024 00:46	WG2295881
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/31/2024 00:46	WG2295881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2024 00:46	WG2295881
Vinyl chloride	5.15	J- C3	0.0273	0.100	1	05/31/2024 00:46	WG2295881
Xylenes, Total	0.476		0.191	0.260	1	05/31/2024 00:46	WG2295881
Ethyl Ether	U		0.0170	0.100	1	05/31/2024 00:46	WG2295881
Tetrahydrofuran	4.75	J- C3	0.0900	0.500	1	05/31/2024 00:46	WG2295881
Iodomethane	U		0.242	0.500	1	05/31/2024 00:46	WG2295881
Allyl chloride	U		0.580	1.00	1	05/31/2024 00:46	WG2295881
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/31/2024 00:46	WG2295881
(S) Toluene-d8	102			75.0-131		05/31/2024 00:46	WG2295881
(S) 4-Bromofluorobenzene	102			67.0-138		05/31/2024 00:46	WG2295881
(S) 1,2-Dichloroethane-d4	97.2			70.0-130		05/31/2024 00:46	WG2295881

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/10/24

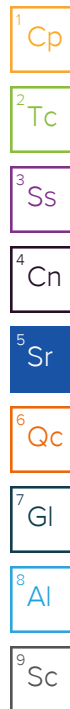
Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	15.0	J	0.548	1.00	1	05/31/2024 01:05	WG2295881
Acrylonitrile	U	UJ	0.0760	0.500	1	05/31/2024 01:05	WG2295881
Benzene	U		0.0160	0.0400	1	05/31/2024 01:05	WG2295881
Bromobenzene	U		0.0420	0.500	1	05/31/2024 01:05	WG2295881
Bromodichloromethane	U		0.0315	0.100	1	05/31/2024 01:05	WG2295881
Bromoform	U		0.239	1.00	1	05/31/2024 01:05	WG2295881
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2024 01:05	WG2295881
n-Butylbenzene	U		0.153	0.500	1	05/31/2024 01:05	WG2295881
sec-Butylbenzene	U		0.101	0.500	1	05/31/2024 01:05	WG2295881
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2024 01:05	WG2295881
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2024 01:05	WG2295881
Chlorobenzene	U		0.0229	0.100	1	05/31/2024 01:05	WG2295881
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2024 01:05	WG2295881
Chloroethane	U		0.0432	0.200	1	05/31/2024 01:05	WG2295881
Chloroform	U		0.0166	0.100	1	05/31/2024 01:05	WG2295881
Chloromethane	U		0.0556	0.500	1	05/31/2024 01:05	WG2295881
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2024 01:05	WG2295881
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2024 01:05	WG2295881
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/31/2024 01:05	WG2295881
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2024 01:05	WG2295881
Dibromomethane	U		0.0400	0.200	1	05/31/2024 01:05	WG2295881
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2024 01:05	WG2295881
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2024 01:05	WG2295881
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2024 01:05	WG2295881
Dichlorodifluoromethane	U	UJ C3	0.0327	0.200	1	05/31/2024 01:05	WG2295881
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2024 01:05	WG2295881
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2024 01:05	WG2295881
1,1-Dichloroethene	U	UJ	0.0200	0.100	1	05/31/2024 01:05	WG2295881
cis-1,2-Dichloroethene	0.165	J- C3	0.0276	0.100	1	05/31/2024 01:05	WG2295881
trans-1,2-Dichloroethene	U	UJ	0.0572	0.200	1	05/31/2024 01:05	WG2295881
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2024 01:05	WG2295881
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2024 01:05	WG2295881
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2024 01:05	WG2295881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2024 01:05	WG2295881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2024 01:05	WG2295881
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2024 01:05	WG2295881
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2024 01:05	WG2295881
Ethylbenzene	U		0.0212	0.100	1	05/31/2024 01:05	WG2295881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2024 01:05	WG2295881
Isopropylbenzene	U		0.0345	0.100	1	05/31/2024 01:05	WG2295881
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2024 01:05	WG2295881
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2024 01:05	WG2295881
Methylene Chloride	U		0.265	1.00	1	05/31/2024 01:05	WG2295881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2024 01:05	WG2295881
Methyl tert-butyl ether	U	UJ C3	0.0118	0.0400	1	05/31/2024 01:05	WG2295881
Naphthalene	U	UJ C3 J4	0.124	0.500	1	05/31/2024 01:05	WG2295881
n-Propylbenzene	U		0.0472	0.200	1	05/31/2024 01:05	WG2295881
Styrene	U		0.109	0.500	1	05/31/2024 01:05	WG2295881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2024 01:05	WG2295881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2024 01:05	WG2295881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/31/2024 01:05	WG2295881
Tetrachloroethene	U	UJ	0.0280	0.100	1	05/31/2024 01:05	WG2295881
Toluene	0.0810	J	0.0500	0.200	1	05/31/2024 01:05	WG2295881
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	05/31/2024 01:05	WG2295881
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/31/2024 01:05	WG2295881
1,1,1-Trichloroethane	U	UJ	0.0110	0.100	1	05/31/2024 01:05	WG2295881

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U	UJ	0.0353	0.100	1	05/31/2024 01:05	WG2295881
Trichloroethene	0.0440	J	0.0160	0.0400	1	05/31/2024 01:05	WG2295881
Trichlorofluoromethane	U	UJ	0.0200	0.100	1	05/31/2024 01:05	WG2295881
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2024 01:05	WG2295881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/31/2024 01:05	WG2295881
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/31/2024 01:05	WG2295881
1,3,5-Trimethylbenzene	U	UJ	0.0432	0.200	1	05/31/2024 01:05	WG2295881
Vinyl chloride	0.595	J- C3	0.0273	0.100	1	05/31/2024 01:05	WG2295881
Xylenes, Total	U	UJ	0.191	0.260	1	05/31/2024 01:05	WG2295881
Ethyl Ether	U		0.0170	0.100	1	05/31/2024 01:05	WG2295881
Tetrahydrofuran	2.33	J- C3	0.0900	0.500	1	05/31/2024 01:05	WG2295881
Iodomethane	U	UJ	0.242	0.500	1	05/31/2024 01:05	WG2295881
Allyl chloride	U		0.580	1.00	1	05/31/2024 01:05	WG2295881
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/31/2024 01:05	WG2295881
(S) Toluene-d8	104			75.0-131		05/31/2024 01:05	WG2295881
(S) 4-Bromofluorobenzene	96.8			67.0-138		05/31/2024 01:05	WG2295881
(S) 1,2-Dichloroethane-d4	97.4			70.0-130		05/31/2024 01:05	WG2295881



JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	2790	J	594	5000	1	06/09/2024 11:15	WG2299419

1
Cp

2
Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	6830		102	1000	1	06/10/2024 04:31	WG2300561

3
Ss

4
Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	4500		28.1	100	1	06/02/2024 21:06	WG2295554
Manganese	967		0.704	5.00	1	06/02/2024 21:06	WG2295554

5
Sr

6
Qc

7
Gl

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	17500		2.87	6.78	10	05/31/2024 15:56	WG2296404
Ethane	76.5		0.296	1.29	1	05/31/2024 10:03	WG2294780
Ethene	U		0.422	1.27	1	05/31/2024 10:03	WG2294780

8
Al

9
Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	3.46		0.548	1.00	1	05/31/2024 01:24	WG2295881
Acrylonitrile	U		0.0760	0.500	1	05/31/2024 01:24	WG2295881
Benzene	0.0390	J	0.0160	0.0400	1	05/31/2024 01:24	WG2295881
Bromobenzene	U		0.0420	0.500	1	05/31/2024 01:24	WG2295881
Bromodichloromethane	U		0.0315	0.100	1	05/31/2024 01:24	WG2295881
Bromoform	U		0.239	1.00	1	05/31/2024 01:24	WG2295881
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2024 01:24	WG2295881
n-Butylbenzene	U		0.153	0.500	1	05/31/2024 01:24	WG2295881
sec-Butylbenzene	U		0.101	0.500	1	05/31/2024 01:24	WG2295881
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2024 01:24	WG2295881
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2024 01:24	WG2295881
Chlorobenzene	U		0.0229	0.100	1	05/31/2024 01:24	WG2295881
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2024 01:24	WG2295881
Chloroethane	U		0.0432	0.200	1	05/31/2024 01:24	WG2295881
Chloroform	U		0.0166	0.100	1	05/31/2024 01:24	WG2295881
Chloromethane	U		0.0556	0.500	1	05/31/2024 01:24	WG2295881
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2024 01:24	WG2295881
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2024 01:24	WG2295881
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/31/2024 01:24	WG2295881
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2024 01:24	WG2295881
Dibromomethane	U		0.0400	0.200	1	05/31/2024 01:24	WG2295881
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2024 01:24	WG2295881
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2024 01:24	WG2295881
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2024 01:24	WG2295881
Dichlorodifluoromethane	U	UJ C3	0.0327	0.200	1	05/31/2024 01:24	WG2295881
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2024 01:24	WG2295881
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2024 01:24	WG2295881
1,1-Dichloroethene	U		0.0200	0.100	1	05/31/2024 01:24	WG2295881
cis-1,2-Dichloroethene	2.63	J- C3	0.0276	0.100	1	05/31/2024 01:24	WG2295881
trans-1,2-Dichloroethene	1.94		0.0572	0.200	1	05/31/2024 01:24	WG2295881
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2024 01:24	WG2295881

JC 7/10/24

MW107-052224

SAMPLE RESULTS - 14

Collected date/time: 05/22/24 08:48

L1739788

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2024 01:24	WG2295881
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2024 01:24	WG2295881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2024 01:24	WG2295881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2024 01:24	WG2295881
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2024 01:24	WG2295881
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2024 01:24	WG2295881
Ethylbenzene	U		0.0212	0.100	1	05/31/2024 01:24	WG2295881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2024 01:24	WG2295881
Isopropylbenzene	0.0410	<u>J</u>	0.0345	0.100	1	05/31/2024 01:24	WG2295881
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2024 01:24	WG2295881
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2024 01:24	WG2295881
Methylene Chloride	U		0.265	1.00	1	05/31/2024 01:24	WG2295881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2024 01:24	WG2295881
Methyl tert-butyl ether	U	UJ <u>C3</u>	0.0118	0.0400	1	05/31/2024 01:24	WG2295881
Naphthalene	U	UJ <u>C3 J4</u>	0.124	0.500	1	05/31/2024 01:24	WG2295881
n-Propylbenzene	U		0.0472	0.200	1	05/31/2024 01:24	WG2295881
Styrene	U		0.109	0.500	1	05/31/2024 01:24	WG2295881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2024 01:24	WG2295881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2024 01:24	WG2295881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/31/2024 01:24	WG2295881
Tetrachloroethene	0.303		0.0280	0.100	1	05/31/2024 01:24	WG2295881
Toluene	0.0940	<u>J</u>	0.0500	0.200	1	05/31/2024 01:24	WG2295881
1,2,3-Trichlorobenzene	U	UJ <u>C3 J4</u>	0.0250	0.500	1	05/31/2024 01:24	WG2295881
1,2,4-Trichlorobenzene	U	UJ <u>C3 J4</u>	0.193	0.500	1	05/31/2024 01:24	WG2295881
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2024 01:24	WG2295881
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/31/2024 01:24	WG2295881
Trichloroethene	1.33		0.0160	0.0400	1	05/31/2024 01:24	WG2295881
Trichlorofluoromethane	U		0.0200	0.100	1	05/31/2024 01:24	WG2295881
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2024 01:24	WG2295881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/31/2024 01:24	WG2295881
1,2,3-Trimethylbenzene	U	UJ <u>C3</u>	0.0460	0.200	1	05/31/2024 01:24	WG2295881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2024 01:24	WG2295881
Vinyl chloride	0.265	J- <u>C3</u>	0.0273	0.100	1	05/31/2024 01:24	WG2295881
Xylenes, Total	0.242	<u>J</u>	0.191	0.260	1	05/31/2024 01:24	WG2295881
Ethyl Ether	U		0.0170	0.100	1	05/31/2024 01:24	WG2295881
Tetrahydrofuran	1.21	J- <u>C3</u>	0.0900	0.500	1	05/31/2024 01:24	WG2295881
Iodomethane	U		0.242	0.500	1	05/31/2024 01:24	WG2295881
Allyl chloride	U		0.580	1.00	1	05/31/2024 01:24	WG2295881
Trans-1,4-Dichloro-2-butene	U	UJ <u>C3</u>	0.0560	0.200	1	05/31/2024 01:24	WG2295881
(S) Toluene-d8	107			75.0-131		05/31/2024 01:24	WG2295881
(S) 4-Bromofluorobenzene	98.5			67.0-138		05/31/2024 01:24	WG2295881
(S) 1,2-Dichloroethane-d4	94.9			70.0-130		05/31/2024 01:24	WG2295881

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

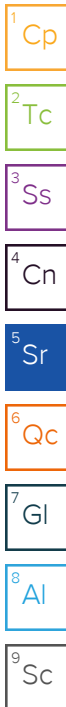
9 Sc

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/31/2024 01:43	WG2295881
Acrylonitrile	U		0.0760	0.500	1	05/31/2024 01:43	WG2295881
Benzene	U		0.0160	0.0400	1	05/31/2024 01:43	WG2295881
Bromobenzene	U		0.0420	0.500	1	05/31/2024 01:43	WG2295881
Bromodichloromethane	U		0.0315	0.100	1	05/31/2024 01:43	WG2295881
Bromoform	U		0.239	1.00	1	05/31/2024 01:43	WG2295881
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2024 01:43	WG2295881
n-Butylbenzene	U		0.153	0.500	1	05/31/2024 01:43	WG2295881
sec-Butylbenzene	U		0.101	0.500	1	05/31/2024 01:43	WG2295881
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2024 01:43	WG2295881
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2024 01:43	WG2295881
Chlorobenzene	U		0.0229	0.100	1	05/31/2024 01:43	WG2295881
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2024 01:43	WG2295881
Chloroethane	U		0.0432	0.200	1	05/31/2024 01:43	WG2295881
Chloroform	U		0.0166	0.100	1	05/31/2024 01:43	WG2295881
Chloromethane	U		0.0556	0.500	1	05/31/2024 01:43	WG2295881
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2024 01:43	WG2295881
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2024 01:43	WG2295881
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/31/2024 01:43	WG2295881
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2024 01:43	WG2295881
Dibromomethane	U		0.0400	0.200	1	05/31/2024 01:43	WG2295881
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2024 01:43	WG2295881
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2024 01:43	WG2295881
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2024 01:43	WG2295881
Dichlorodifluoromethane	U	UJ C3	0.0327	0.200	1	05/31/2024 01:43	WG2295881
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2024 01:43	WG2295881
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2024 01:43	WG2295881
1,1-Dichloroethene	1.08		0.0200	0.100	1	05/31/2024 01:43	WG2295881
cis-1,2-Dichloroethene	19.9	J- C3	0.0276	0.100	1	05/31/2024 01:43	WG2295881
trans-1,2-Dichloroethene	0.281		0.0572	0.200	1	05/31/2024 01:43	WG2295881
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2024 01:43	WG2295881
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2024 01:43	WG2295881
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2024 01:43	WG2295881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2024 01:43	WG2295881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2024 01:43	WG2295881
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2024 01:43	WG2295881
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2024 01:43	WG2295881
Ethylbenzene	U		0.0212	0.100	1	05/31/2024 01:43	WG2295881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2024 01:43	WG2295881
Isopropylbenzene	U		0.0345	0.100	1	05/31/2024 01:43	WG2295881
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2024 01:43	WG2295881
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2024 01:43	WG2295881
Methylene Chloride	U		0.265	1.00	1	05/31/2024 01:43	WG2295881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2024 01:43	WG2295881
Methyl tert-butyl ether	U	UJ C3	0.0118	0.0400	1	05/31/2024 01:43	WG2295881
Naphthalene	U	UJ C3 J4	0.124	0.500	1	05/31/2024 01:43	WG2295881
n-Propylbenzene	U		0.0472	0.200	1	05/31/2024 01:43	WG2295881
Styrene	U		0.109	0.500	1	05/31/2024 01:43	WG2295881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2024 01:43	WG2295881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2024 01:43	WG2295881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/31/2024 01:43	WG2295881
Tetrachloroethene	U		0.0280	0.100	1	05/31/2024 01:43	WG2295881
Toluene	0.0920	J	0.0500	0.200	1	05/31/2024 01:43	WG2295881
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	05/31/2024 01:43	WG2295881
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/31/2024 01:43	WG2295881
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2024 01:43	WG2295881

JC 7/10/24



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/31/2024 01:43	WG2295881	
Trichloroethene	3.18		0.0160	0.0400	1	05/31/2024 01:43	WG2295881	
Trichlorofluoromethane	U		0.0200	0.100	1	05/31/2024 01:43	WG2295881	
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2024 01:43	WG2295881	
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/31/2024 01:43	WG2295881	
1,2,3-Trimethylbenzene	U	UJ	C3	0.0460	0.200	1	05/31/2024 01:43	WG2295881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2024 01:43	WG2295881	
Vinyl chloride	0.369	J-	C3	0.0273	0.100	1	05/31/2024 01:43	WG2295881
Xylenes, Total	U		0.191	0.260	1	05/31/2024 01:43	WG2295881	
Ethyl Ether	U		0.0170	0.100	1	05/31/2024 01:43	WG2295881	
Tetrahydrofuran	U	UJ	C3	0.0900	0.500	1	05/31/2024 01:43	WG2295881
Iodomethane	U		0.242	0.500	1	05/31/2024 01:43	WG2295881	
Allyl chloride	U		0.580	1.00	1	05/31/2024 01:43	WG2295881	
Trans-1,4-Dichloro-2-butene	U	UJ	C3	0.0560	0.200	1	05/31/2024 01:43	WG2295881
(S) Toluene-d8	104			75.0-131		05/31/2024 01:43	WG2295881	
(S) 4-Bromofluorobenzene	96.8			67.0-138		05/31/2024 01:43	WG2295881	
(S) 1,2-Dichloroethane-d4	94.3			70.0-130		05/31/2024 01:43	WG2295881	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

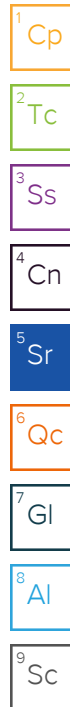
9Sc

JC 7/10/24

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	05/31/2024 02:02	WG2295881
Acrylonitrile	U		0.0760	0.500	1	05/31/2024 02:02	WG2295881
Benzene	U		0.0160	0.0400	1	05/31/2024 02:02	WG2295881
Bromobenzene	U		0.0420	0.500	1	05/31/2024 02:02	WG2295881
Bromodichloromethane	U		0.0315	0.100	1	05/31/2024 02:02	WG2295881
Bromoform	U		0.239	1.00	1	05/31/2024 02:02	WG2295881
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2024 02:02	WG2295881
n-Butylbenzene	U		0.153	0.500	1	05/31/2024 02:02	WG2295881
sec-Butylbenzene	U		0.101	0.500	1	05/31/2024 02:02	WG2295881
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2024 02:02	WG2295881
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2024 02:02	WG2295881
Chlorobenzene	U		0.0229	0.100	1	05/31/2024 02:02	WG2295881
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2024 02:02	WG2295881
Chloroethane	U		0.0432	0.200	1	05/31/2024 02:02	WG2295881
Chloroform	U		0.0166	0.100	1	05/31/2024 02:02	WG2295881
Chloromethane	U		0.0556	0.500	1	05/31/2024 02:02	WG2295881
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2024 02:02	WG2295881
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2024 02:02	WG2295881
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/31/2024 02:02	WG2295881
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2024 02:02	WG2295881
Dibromomethane	U		0.0400	0.200	1	05/31/2024 02:02	WG2295881
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2024 02:02	WG2295881
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2024 02:02	WG2295881
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2024 02:02	WG2295881
Dichlorodifluoromethane	U	UJ C3	0.0327	0.200	1	05/31/2024 02:02	WG2295881
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2024 02:02	WG2295881
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2024 02:02	WG2295881
1,1-Dichloroethene	U		0.0200	0.100	1	05/31/2024 02:02	WG2295881
cis-1,2-Dichloroethene	U	UJ C3	0.0276	0.100	1	05/31/2024 02:02	WG2295881
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/31/2024 02:02	WG2295881
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2024 02:02	WG2295881
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2024 02:02	WG2295881
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2024 02:02	WG2295881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2024 02:02	WG2295881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2024 02:02	WG2295881
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2024 02:02	WG2295881
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2024 02:02	WG2295881
Ethylbenzene	0.0590	J	0.0212	0.100	1	05/31/2024 02:02	WG2295881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2024 02:02	WG2295881
Isopropylbenzene	U		0.0345	0.100	1	05/31/2024 02:02	WG2295881
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2024 02:02	WG2295881
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2024 02:02	WG2295881
Methylene Chloride	U		0.265	1.00	1	05/31/2024 02:02	WG2295881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2024 02:02	WG2295881
Methyl tert-butyl ether	U	UJ C3	0.0118	0.0400	1	05/31/2024 02:02	WG2295881
Naphthalene	U	UJ C3 J4	0.124	0.500	1	05/31/2024 02:02	WG2295881
n-Propylbenzene	U		0.0472	0.200	1	05/31/2024 02:02	WG2295881
Styrene	U		0.109	0.500	1	05/31/2024 02:02	WG2295881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2024 02:02	WG2295881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2024 02:02	WG2295881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/31/2024 02:02	WG2295881
Tetrachloroethene	U		0.0280	0.100	1	05/31/2024 02:02	WG2295881
Toluene	0.0830	J	0.0500	0.200	1	05/31/2024 02:02	WG2295881
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	05/31/2024 02:02	WG2295881
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/31/2024 02:02	WG2295881
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2024 02:02	WG2295881

JC 7/10/24



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/31/2024 02:02	WG2295881
Trichloroethene	0.0290	<u>J</u>	0.0160	0.0400	1	05/31/2024 02:02	WG2295881
Trichlorofluoromethane	U		0.0200	0.100	1	05/31/2024 02:02	WG2295881
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2024 02:02	WG2295881
1,2,4-Trimethylbenzene	0.0640	<u>J</u>	0.0464	0.200	1	05/31/2024 02:02	WG2295881
1,2,3-Trimethylbenzene	U	UJ <u>C3</u>	0.0460	0.200	1	05/31/2024 02:02	WG2295881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2024 02:02	WG2295881
Vinyl chloride	U	UJ <u>C3</u>	0.0273	0.100	1	05/31/2024 02:02	WG2295881
Xylenes, Total	U		0.191	0.260	1	05/31/2024 02:02	WG2295881
Ethyl Ether	U		0.0170	0.100	1	05/31/2024 02:02	WG2295881
Tetrahydrofuran	U	UJ <u>C3</u>	0.0900	0.500	1	05/31/2024 02:02	WG2295881
Iodomethane	U		0.242	0.500	1	05/31/2024 02:02	WG2295881
Allyl chloride	U		0.580	1.00	1	05/31/2024 02:02	WG2295881
Trans-1,4-Dichloro-2-butene	U	UJ <u>C3</u>	0.0560	0.200	1	05/31/2024 02:02	WG2295881
(S) Toluene-d8	103			75.0-131		05/31/2024 02:02	WG2295881
(S) 4-Bromofluorobenzene	99.2			67.0-138		05/31/2024 02:02	WG2295881
(S) 1,2-Dichloroethane-d4	94.2			70.0-130		05/31/2024 02:02	WG2295881

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/10/24

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	05/31/2024 02:21	WG2295881
Acrylonitrile	U		0.0760	0.500	1	05/31/2024 02:21	WG2295881
Benzene	U		0.0160	0.0400	1	05/31/2024 02:21	WG2295881
Bromobenzene	U		0.0420	0.500	1	05/31/2024 02:21	WG2295881
Bromodichloromethane	U		0.0315	0.100	1	05/31/2024 02:21	WG2295881
Bromoform	U		0.239	1.00	1	05/31/2024 02:21	WG2295881
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2024 02:21	WG2295881
n-Butylbenzene	U		0.153	0.500	1	05/31/2024 02:21	WG2295881
sec-Butylbenzene	U		0.101	0.500	1	05/31/2024 02:21	WG2295881
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2024 02:21	WG2295881
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2024 02:21	WG2295881
Chlorobenzene	U		0.0229	0.100	1	05/31/2024 02:21	WG2295881
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2024 02:21	WG2295881
Chloroethane	U		0.0432	0.200	1	05/31/2024 02:21	WG2295881
Chloroform	U		0.0166	0.100	1	05/31/2024 02:21	WG2295881
Chloromethane	U		0.0556	0.500	1	05/31/2024 02:21	WG2295881
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2024 02:21	WG2295881
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2024 02:21	WG2295881
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/31/2024 02:21	WG2295881
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2024 02:21	WG2295881
Dibromomethane	U		0.0400	0.200	1	05/31/2024 02:21	WG2295881
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2024 02:21	WG2295881
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2024 02:21	WG2295881
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2024 02:21	WG2295881
Dichlorodifluoromethane	U	UJ C3	0.0327	0.200	1	05/31/2024 02:21	WG2295881
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2024 02:21	WG2295881
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2024 02:21	WG2295881
1,1-Dichloroethene	U		0.0200	0.100	1	05/31/2024 02:21	WG2295881
cis-1,2-Dichloroethene	U	UJ C3	0.0276	0.100	1	05/31/2024 02:21	WG2295881
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/31/2024 02:21	WG2295881
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2024 02:21	WG2295881
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2024 02:21	WG2295881
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2024 02:21	WG2295881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2024 02:21	WG2295881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2024 02:21	WG2295881
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2024 02:21	WG2295881
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2024 02:21	WG2295881
Ethylbenzene	0.0450	J	0.0212	0.100	1	05/31/2024 02:21	WG2295881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2024 02:21	WG2295881
Isopropylbenzene	U		0.0345	0.100	1	05/31/2024 02:21	WG2295881
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2024 02:21	WG2295881
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2024 02:21	WG2295881
Methylene Chloride	U		0.265	1.00	1	05/31/2024 02:21	WG2295881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2024 02:21	WG2295881
Methyl tert-butyl ether	U	UJ C3	0.0118	0.0400	1	05/31/2024 02:21	WG2295881
Naphthalene	U	UJ C3 J4	0.124	0.500	1	05/31/2024 02:21	WG2295881
n-Propylbenzene	U		0.0472	0.200	1	05/31/2024 02:21	WG2295881
Styrene	U		0.109	0.500	1	05/31/2024 02:21	WG2295881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2024 02:21	WG2295881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2024 02:21	WG2295881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/31/2024 02:21	WG2295881
Tetrachloroethene	U		0.0280	0.100	1	05/31/2024 02:21	WG2295881
Toluene	0.110	J	0.0500	0.200	1	05/31/2024 02:21	WG2295881
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	05/31/2024 02:21	WG2295881
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/31/2024 02:21	WG2295881
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2024 02:21	WG2295881

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/31/2024 02:21	WG2295881
Trichloroethene	U		0.0160	0.0400	1	05/31/2024 02:21	WG2295881
Trichlorofluoromethane	U		0.0200	0.100	1	05/31/2024 02:21	WG2295881
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2024 02:21	WG2295881
1,2,4-Trimethylbenzene	0.0650	J	0.0464	0.200	1	05/31/2024 02:21	WG2295881
1,2,3-Trimethylbenzene	U UJ	C3	0.0460	0.200	1	05/31/2024 02:21	WG2295881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2024 02:21	WG2295881
Vinyl chloride	0.0720 J	C3 J	0.0273	0.100	1	05/31/2024 02:21	WG2295881
Xylenes, Total	0.217	J	0.191	0.260	1	05/31/2024 02:21	WG2295881
Ethyl Ether	U		0.0170	0.100	1	05/31/2024 02:21	WG2295881
Tetrahydrofuran	U UJ	C3	0.0900	0.500	1	05/31/2024 02:21	WG2295881
Iodomethane	U		0.242	0.500	1	05/31/2024 02:21	WG2295881
Allyl chloride	U		0.580	1.00	1	05/31/2024 02:21	WG2295881
Trans-1,4-Dichloro-2-butene	U UJ	C3	0.0560	0.200	1	05/31/2024 02:21	WG2295881
(S) Toluene-d8	102			75.0-131		05/31/2024 02:21	WG2295881
(S) 4-Bromofluorobenzene	95.6			67.0-138		05/31/2024 02:21	WG2295881
(S) 1,2-Dichloroethane-d4	95.9			70.0-130		05/31/2024 02:21	WG2295881

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

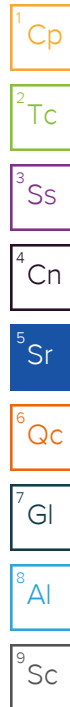
8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	05/31/2024 02:40	WG2295881
Acrylonitrile	U		0.0760	0.500	1	05/31/2024 02:40	WG2295881
Benzene	U		0.0160	0.0400	1	05/31/2024 02:40	WG2295881
Bromobenzene	U		0.0420	0.500	1	05/31/2024 02:40	WG2295881
Bromodichloromethane	U		0.0315	0.100	1	05/31/2024 02:40	WG2295881
Bromoform	U		0.239	1.00	1	05/31/2024 02:40	WG2295881
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2024 02:40	WG2295881
n-Butylbenzene	U		0.153	0.500	1	05/31/2024 02:40	WG2295881
sec-Butylbenzene	U		0.101	0.500	1	05/31/2024 02:40	WG2295881
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2024 02:40	WG2295881
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2024 02:40	WG2295881
Chlorobenzene	U		0.0229	0.100	1	05/31/2024 02:40	WG2295881
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2024 02:40	WG2295881
Chloroethane	U		0.0432	0.200	1	05/31/2024 02:40	WG2295881
Chloroform	U		0.0166	0.100	1	05/31/2024 02:40	WG2295881
Chloromethane	U		0.0556	0.500	1	05/31/2024 02:40	WG2295881
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2024 02:40	WG2295881
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2024 02:40	WG2295881
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/31/2024 02:40	WG2295881
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2024 02:40	WG2295881
Dibromomethane	U		0.0400	0.200	1	05/31/2024 02:40	WG2295881
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2024 02:40	WG2295881
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2024 02:40	WG2295881
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2024 02:40	WG2295881
Dichlorodifluoromethane	U	UJ C3	0.0327	0.200	1	05/31/2024 02:40	WG2295881
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2024 02:40	WG2295881
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2024 02:40	WG2295881
1,1-Dichloroethene	U		0.0200	0.100	1	05/31/2024 02:40	WG2295881
cis-1,2-Dichloroethene	U	UJ C3	0.0276	0.100	1	05/31/2024 02:40	WG2295881
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/31/2024 02:40	WG2295881
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2024 02:40	WG2295881
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2024 02:40	WG2295881
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2024 02:40	WG2295881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2024 02:40	WG2295881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2024 02:40	WG2295881
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2024 02:40	WG2295881
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2024 02:40	WG2295881
Ethylbenzene	U		0.0212	0.100	1	05/31/2024 02:40	WG2295881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2024 02:40	WG2295881
Isopropylbenzene	U		0.0345	0.100	1	05/31/2024 02:40	WG2295881
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2024 02:40	WG2295881
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2024 02:40	WG2295881
Methylene Chloride	U		0.265	1.00	1	05/31/2024 02:40	WG2295881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2024 02:40	WG2295881
Methyl tert-butyl ether	U	UJ C3	0.0118	0.0400	1	05/31/2024 02:40	WG2295881
Naphthalene	U	UJ C3 J4	0.124	0.500	1	05/31/2024 02:40	WG2295881
n-Propylbenzene	U		0.0472	0.200	1	05/31/2024 02:40	WG2295881
Styrene	U		0.109	0.500	1	05/31/2024 02:40	WG2295881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2024 02:40	WG2295881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2024 02:40	WG2295881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/31/2024 02:40	WG2295881
Tetrachloroethene	U		0.0280	0.100	1	05/31/2024 02:40	WG2295881
Toluene	U		0.0500	0.200	1	05/31/2024 02:40	WG2295881
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	05/31/2024 02:40	WG2295881
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/31/2024 02:40	WG2295881
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2024 02:40	WG2295881

JC 7/10/24



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/31/2024 02:40	WG2295881
Trichloroethene	U		0.0160	0.0400	1	05/31/2024 02:40	WG2295881
Trichlorofluoromethane	U		0.0200	0.100	1	05/31/2024 02:40	WG2295881
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2024 02:40	WG2295881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/31/2024 02:40	WG2295881
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/31/2024 02:40	WG2295881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2024 02:40	WG2295881
Vinyl chloride	U	UJ C3	0.0273	0.100	1	05/31/2024 02:40	WG2295881
Xylenes, Total	U		0.191	0.260	1	05/31/2024 02:40	WG2295881
Ethyl Ether	U		0.0170	0.100	1	05/31/2024 02:40	WG2295881
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/31/2024 02:40	WG2295881
Iodomethane	U		0.242	0.500	1	05/31/2024 02:40	WG2295881
Allyl chloride	U		0.580	1.00	1	05/31/2024 02:40	WG2295881
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/31/2024 02:40	WG2295881
(S) Toluene-d8	103			75.0-131		05/31/2024 02:40	WG2295881
(S) 4-Bromofluorobenzene	93.1			67.0-138		05/31/2024 02:40	WG2295881
(S) 1,2-Dichloroethane-d4	99.1			70.0-130		05/31/2024 02:40	WG2295881

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/10/24

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	73.4		0.548	1.00	1	05/31/2024 02:59	WG2295881
Acrylonitrile	U		0.0760	0.500	1	05/31/2024 02:59	WG2295881
Benzene	0.0900		0.0160	0.0400	1	05/31/2024 02:59	WG2295881
Bromobenzene	U		0.0420	0.500	1	05/31/2024 02:59	WG2295881
Bromodichloromethane	U		0.0315	0.100	1	05/31/2024 02:59	WG2295881
Bromoform	U		0.239	1.00	1	05/31/2024 02:59	WG2295881
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2024 02:59	WG2295881
n-Butylbenzene	U		0.153	0.500	1	05/31/2024 02:59	WG2295881
sec-Butylbenzene	U		0.101	0.500	1	05/31/2024 02:59	WG2295881
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2024 02:59	WG2295881
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2024 02:59	WG2295881
Chlorobenzene	U		0.0229	0.100	1	05/31/2024 02:59	WG2295881
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2024 02:59	WG2295881
Chloroethane	U		0.0432	0.200	1	05/31/2024 02:59	WG2295881
Chloroform	U		0.0166	0.100	1	05/31/2024 02:59	WG2295881
Chloromethane	U		0.0556	0.500	1	05/31/2024 02:59	WG2295881
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2024 02:59	WG2295881
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2024 02:59	WG2295881
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/31/2024 02:59	WG2295881
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2024 02:59	WG2295881
Dibromomethane	U		0.0400	0.200	1	05/31/2024 02:59	WG2295881
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2024 02:59	WG2295881
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2024 02:59	WG2295881
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2024 02:59	WG2295881
Dichlorodifluoromethane	U	UJ C3	0.0327	0.200	1	05/31/2024 02:59	WG2295881
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2024 02:59	WG2295881
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2024 02:59	WG2295881
1,1-Dichloroethene	0.302		0.0200	0.100	1	05/31/2024 02:59	WG2295881
cis-1,2-Dichloroethene	63.4	I- C3	0.0276	0.100	1	05/31/2024 02:59	WG2295881
trans-1,2-Dichloroethene	0.398		0.0572	0.200	1	05/31/2024 02:59	WG2295881
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2024 02:59	WG2295881
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2024 02:59	WG2295881
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2024 02:59	WG2295881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2024 02:59	WG2295881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2024 02:59	WG2295881
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2024 02:59	WG2295881
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2024 02:59	WG2295881
Ethylbenzene	U		0.0212	0.100	1	05/31/2024 02:59	WG2295881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2024 02:59	WG2295881
Isopropylbenzene	U		0.0345	0.100	1	05/31/2024 02:59	WG2295881
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2024 02:59	WG2295881
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2024 02:59	WG2295881
Methylene Chloride	U		0.265	1.00	1	05/31/2024 02:59	WG2295881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2024 02:59	WG2295881
Methyl tert-butyl ether	U	UJ C3	0.0118	0.0400	1	05/31/2024 02:59	WG2295881
Naphthalene	U	UJ C3 J4	0.124	0.500	1	05/31/2024 02:59	WG2295881
n-Propylbenzene	U		0.0472	0.200	1	05/31/2024 02:59	WG2295881
Styrene	U		0.109	0.500	1	05/31/2024 02:59	WG2295881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2024 02:59	WG2295881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2024 02:59	WG2295881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/31/2024 02:59	WG2295881
Tetrachloroethene	90.4		0.0280	0.100	1	05/31/2024 02:59	WG2295881
Toluene	U		0.0500	0.200	1	05/31/2024 02:59	WG2295881
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	05/31/2024 02:59	WG2295881
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/31/2024 02:59	WG2295881
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2024 02:59	WG2295881

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/31/2024 02:59	WG2295881
Trichloroethene	59.1		0.0160	0.0400	1	05/31/2024 02:59	WG2295881
Trichlorofluoromethane	U		0.0200	0.100	1	05/31/2024 02:59	WG2295881
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2024 02:59	WG2295881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/31/2024 02:59	WG2295881
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/31/2024 02:59	WG2295881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2024 02:59	WG2295881
Vinyl chloride	0.109	J- C3	0.0273	0.100	1	05/31/2024 02:59	WG2295881
Xylenes, Total	U		0.191	0.260	1	05/31/2024 02:59	WG2295881
Ethyl Ether	U		0.0170	0.100	1	05/31/2024 02:59	WG2295881
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/31/2024 02:59	WG2295881
Iodomethane	U		0.242	0.500	1	05/31/2024 02:59	WG2295881
Allyl chloride	U		0.580	1.00	1	05/31/2024 02:59	WG2295881
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/31/2024 02:59	WG2295881
(S) Toluene-d8	104			75.0-131		05/31/2024 02:59	WG2295881
(S) 4-Bromofluorobenzene	98.3			67.0-138		05/31/2024 02:59	WG2295881
(S) 1,2-Dichloroethane-d4	97.8			70.0-130		05/31/2024 02:59	WG2295881

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

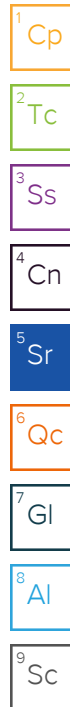
9Sc

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/31/2024 03:18	WG2295881
Acrylonitrile	U		0.0760	0.500	1	05/31/2024 03:18	WG2295881
Benzene	0.0300	J	0.0160	0.0400	1	05/31/2024 03:18	WG2295881
Bromobenzene	U		0.0420	0.500	1	05/31/2024 03:18	WG2295881
Bromodichloromethane	U		0.0315	0.100	1	05/31/2024 03:18	WG2295881
Bromoform	U		0.239	1.00	1	05/31/2024 03:18	WG2295881
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2024 03:18	WG2295881
n-Butylbenzene	U		0.153	0.500	1	05/31/2024 03:18	WG2295881
sec-Butylbenzene	U		0.101	0.500	1	05/31/2024 03:18	WG2295881
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2024 03:18	WG2295881
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2024 03:18	WG2295881
Chlorobenzene	U		0.0229	0.100	1	05/31/2024 03:18	WG2295881
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2024 03:18	WG2295881
Chloroethane	U		0.0432	0.200	1	05/31/2024 03:18	WG2295881
Chloroform	U		0.0166	0.100	1	05/31/2024 03:18	WG2295881
Chloromethane	U		0.0556	0.500	1	05/31/2024 03:18	WG2295881
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2024 03:18	WG2295881
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2024 03:18	WG2295881
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/31/2024 03:18	WG2295881
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2024 03:18	WG2295881
Dibromomethane	U		0.0400	0.200	1	05/31/2024 03:18	WG2295881
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2024 03:18	WG2295881
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2024 03:18	WG2295881
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2024 03:18	WG2295881
Dichlorodifluoromethane	U	UJ C3	0.0327	0.200	1	05/31/2024 03:18	WG2295881
1,1-Dichloroethane	0.644		0.0230	0.100	1	05/31/2024 03:18	WG2295881
1,2-Dichloroethane	0.226		0.0190	0.100	1	05/31/2024 03:18	WG2295881
1,1-Dichloroethene	0.276		0.0200	0.100	1	05/31/2024 03:18	WG2295881
cis-1,2-Dichloroethene	51.4	J- C3	0.0276	0.100	1	05/31/2024 03:18	WG2295881
trans-1,2-Dichloroethene	0.145	J	0.0572	0.200	1	05/31/2024 03:18	WG2295881
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2024 03:18	WG2295881
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2024 03:18	WG2295881
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2024 03:18	WG2295881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2024 03:18	WG2295881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2024 03:18	WG2295881
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2024 03:18	WG2295881
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2024 03:18	WG2295881
Ethylbenzene	U		0.0212	0.100	1	05/31/2024 03:18	WG2295881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2024 03:18	WG2295881
Isopropylbenzene	U		0.0345	0.100	1	05/31/2024 03:18	WG2295881
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2024 03:18	WG2295881
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2024 03:18	WG2295881
Methylene Chloride	U		0.265	1.00	1	05/31/2024 03:18	WG2295881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2024 03:18	WG2295881
Methyl tert-butyl ether	U	UJ C3	0.0118	0.0400	1	05/31/2024 03:18	WG2295881
Naphthalene	U	UJ C3 J4	0.124	0.500	1	05/31/2024 03:18	WG2295881
n-Propylbenzene	U		0.0472	0.200	1	05/31/2024 03:18	WG2295881
Styrene	U		0.109	0.500	1	05/31/2024 03:18	WG2295881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2024 03:18	WG2295881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2024 03:18	WG2295881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/31/2024 03:18	WG2295881
Tetrachloroethene	0.252		0.0280	0.100	1	05/31/2024 03:18	WG2295881
Toluene	U		0.0500	0.200	1	05/31/2024 03:18	WG2295881
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	05/31/2024 03:18	WG2295881
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/31/2024 03:18	WG2295881
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2024 03:18	WG2295881

JC 7/10/24



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/31/2024 03:18	WG2295881
Trichloroethene	1.21		0.0160	0.0400	1	05/31/2024 03:18	WG2295881
Trichlorofluoromethane	U		0.0200	0.100	1	05/31/2024 03:18	WG2295881
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2024 03:18	WG2295881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/31/2024 03:18	WG2295881
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/31/2024 03:18	WG2295881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2024 03:18	WG2295881
Vinyl chloride	4.72	J- C3	0.0273	0.100	1	05/31/2024 03:18	WG2295881
Xylenes, Total	U		0.191	0.260	1	05/31/2024 03:18	WG2295881
Ethyl Ether	U		0.0170	0.100	1	05/31/2024 03:18	WG2295881
Tetrahydrofuran	0.240	J C3 J	0.0900	0.500	1	05/31/2024 03:18	WG2295881
Iodomethane	U		0.242	0.500	1	05/31/2024 03:18	WG2295881
Allyl chloride	U		0.580	1.00	1	05/31/2024 03:18	WG2295881
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/31/2024 03:18	WG2295881
(S) Toluene-d8	105			75.0-131		05/31/2024 03:18	WG2295881
(S) 4-Bromofluorobenzene	97.4			67.0-138		05/31/2024 03:18	WG2295881
(S) 1,2-Dichloroethane-d4	96.3			70.0-130		05/31/2024 03:18	WG2295881

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

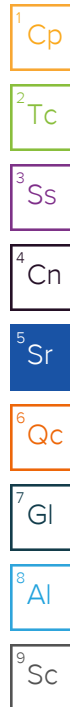
9Sc

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/31/2024 03:37	WG2295881
Acrylonitrile	U		0.0760	0.500	1	05/31/2024 03:37	WG2295881
Benzene	54.3		0.0160	0.0400	1	05/31/2024 03:37	WG2295881
Bromobenzene	U		0.0420	0.500	1	05/31/2024 03:37	WG2295881
Bromodichloromethane	U		0.0315	0.100	1	05/31/2024 03:37	WG2295881
Bromoform	U		0.239	1.00	1	05/31/2024 03:37	WG2295881
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2024 03:37	WG2295881
n-Butylbenzene	U		0.153	0.500	1	05/31/2024 03:37	WG2295881
sec-Butylbenzene	U		0.101	0.500	1	05/31/2024 03:37	WG2295881
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2024 03:37	WG2295881
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2024 03:37	WG2295881
Chlorobenzene	U		0.0229	0.100	1	05/31/2024 03:37	WG2295881
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2024 03:37	WG2295881
Chloroethane	U		0.0432	0.200	1	05/31/2024 03:37	WG2295881
Chloroform	U		0.0166	0.100	1	05/31/2024 03:37	WG2295881
Chloromethane	U		0.0556	0.500	1	05/31/2024 03:37	WG2295881
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2024 03:37	WG2295881
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2024 03:37	WG2295881
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/31/2024 03:37	WG2295881
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2024 03:37	WG2295881
Dibromomethane	U		0.0400	0.200	1	05/31/2024 03:37	WG2295881
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2024 03:37	WG2295881
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2024 03:37	WG2295881
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2024 03:37	WG2295881
Dichlorodifluoromethane	U	UJ C3	0.0327	0.200	1	05/31/2024 03:37	WG2295881
1,1-Dichloroethane	0.201		0.0230	0.100	1	05/31/2024 03:37	WG2295881
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2024 03:37	WG2295881
1,1-Dichloroethene	U		0.0200	0.100	1	05/31/2024 03:37	WG2295881
cis-1,2-Dichloroethene	2.45	UJ C3	0.0276	0.100	1	05/31/2024 03:37	WG2295881
trans-1,2-Dichloroethene	0.0690	J	0.0572	0.200	1	05/31/2024 03:37	WG2295881
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2024 03:37	WG2295881
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2024 03:37	WG2295881
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2024 03:37	WG2295881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2024 03:37	WG2295881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2024 03:37	WG2295881
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2024 03:37	WG2295881
Di-isopropyl ether	0.239		0.0140	0.0400	1	05/31/2024 03:37	WG2295881
Ethylbenzene	U		0.0212	0.100	1	05/31/2024 03:37	WG2295881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2024 03:37	WG2295881
Isopropylbenzene	U		0.0345	0.100	1	05/31/2024 03:37	WG2295881
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2024 03:37	WG2295881
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2024 03:37	WG2295881
Methylene Chloride	U		0.265	1.00	1	05/31/2024 03:37	WG2295881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2024 03:37	WG2295881
Methyl tert-butyl ether	0.104	J- C3	0.0118	0.0400	1	05/31/2024 03:37	WG2295881
Naphthalene	U	UJ C3 J4	0.124	0.500	1	05/31/2024 03:37	WG2295881
n-Propylbenzene	U		0.0472	0.200	1	05/31/2024 03:37	WG2295881
Styrene	U		0.109	0.500	1	05/31/2024 03:37	WG2295881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2024 03:37	WG2295881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2024 03:37	WG2295881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/31/2024 03:37	WG2295881
Tetrachloroethene	U		0.0280	0.100	1	05/31/2024 03:37	WG2295881
Toluene	0.330		0.0500	0.200	1	05/31/2024 03:37	WG2295881
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	05/31/2024 03:37	WG2295881
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/31/2024 03:37	WG2295881
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2024 03:37	WG2295881

JC 7/10/24



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/31/2024 03:37	WG2295881
Trichloroethene	U		0.0160	0.0400	1	05/31/2024 03:37	WG2295881
Trichlorofluoromethane	U		0.0200	0.100	1	05/31/2024 03:37	WG2295881
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2024 03:37	WG2295881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/31/2024 03:37	WG2295881
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/31/2024 03:37	WG2295881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2024 03:37	WG2295881
Vinyl chloride	25.4	J- C3	0.0273	0.100	1	05/31/2024 03:37	WG2295881
Xylenes, Total	0.282		0.191	0.260	1	05/31/2024 03:37	WG2295881
Ethyl Ether	0.268		0.0170	0.100	1	05/31/2024 03:37	WG2295881
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/31/2024 03:37	WG2295881
Iodomethane	U		0.242	0.500	1	05/31/2024 03:37	WG2295881
Allyl chloride	U		0.580	1.00	1	05/31/2024 03:37	WG2295881
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/31/2024 03:37	WG2295881
(S) Toluene-d8	102			75.0-131		05/31/2024 03:37	WG2295881
(S) 4-Bromofluorobenzene	98.3			67.0-138		05/31/2024 03:37	WG2295881
(S) 1,2-Dichloroethane-d4	95.6			70.0-130		05/31/2024 03:37	WG2295881

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

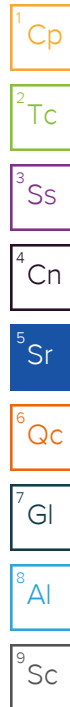
9Sc

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/31/2024 03:57	WG2295881
Acrylonitrile	U		0.0760	0.500	1	05/31/2024 03:57	WG2295881
Benzene	0.0230	J	0.0160	0.0400	1	05/31/2024 03:57	WG2295881
Bromobenzene	U		0.0420	0.500	1	05/31/2024 03:57	WG2295881
Bromodichloromethane	U		0.0315	0.100	1	05/31/2024 03:57	WG2295881
Bromoform	U		0.239	1.00	1	05/31/2024 03:57	WG2295881
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2024 03:57	WG2295881
n-Butylbenzene	U		0.153	0.500	1	05/31/2024 03:57	WG2295881
sec-Butylbenzene	U		0.101	0.500	1	05/31/2024 03:57	WG2295881
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2024 03:57	WG2295881
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2024 03:57	WG2295881
Chlorobenzene	U		0.0229	0.100	1	05/31/2024 03:57	WG2295881
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2024 03:57	WG2295881
Chloroethane	U		0.0432	0.200	1	05/31/2024 03:57	WG2295881
Chloroform	U		0.0166	0.100	1	05/31/2024 03:57	WG2295881
Chloromethane	U		0.0556	0.500	1	05/31/2024 03:57	WG2295881
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2024 03:57	WG2295881
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2024 03:57	WG2295881
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/31/2024 03:57	WG2295881
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2024 03:57	WG2295881
Dibromomethane	U		0.0400	0.200	1	05/31/2024 03:57	WG2295881
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2024 03:57	WG2295881
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2024 03:57	WG2295881
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2024 03:57	WG2295881
Dichlorodifluoromethane	U	UJ C3	0.0327	0.200	1	05/31/2024 03:57	WG2295881
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2024 03:57	WG2295881
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2024 03:57	WG2295881
1,1-Dichloroethene	0.365		0.0200	0.100	1	05/31/2024 03:57	WG2295881
cis-1,2-Dichloroethene	199		0.276	1.00	10	06/02/2024 23:53	WG2296758
trans-1,2-Dichloroethene	0.326		0.0572	0.200	1	05/31/2024 03:57	WG2295881
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2024 03:57	WG2295881
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2024 03:57	WG2295881
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2024 03:57	WG2295881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2024 03:57	WG2295881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2024 03:57	WG2295881
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2024 03:57	WG2295881
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2024 03:57	WG2295881
Ethylbenzene	U		0.0212	0.100	1	05/31/2024 03:57	WG2295881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2024 03:57	WG2295881
Isopropylbenzene	U		0.0345	0.100	1	05/31/2024 03:57	WG2295881
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2024 03:57	WG2295881
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2024 03:57	WG2295881
Methylene Chloride	U		0.265	1.00	1	05/31/2024 03:57	WG2295881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2024 03:57	WG2295881
Methyl tert-butyl ether	U	UJ C3	0.0118	0.0400	1	05/31/2024 03:57	WG2295881
Naphthalene	U	UJ C3 J4	0.124	0.500	1	05/31/2024 03:57	WG2295881
n-Propylbenzene	U		0.0472	0.200	1	05/31/2024 03:57	WG2295881
Styrene	U		0.109	0.500	1	05/31/2024 03:57	WG2295881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2024 03:57	WG2295881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2024 03:57	WG2295881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/31/2024 03:57	WG2295881
Tetrachloroethene	U		0.0280	0.100	1	05/31/2024 03:57	WG2295881
Toluene	U		0.0500	0.200	1	05/31/2024 03:57	WG2295881
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	05/31/2024 03:57	WG2295881
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/31/2024 03:57	WG2295881
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2024 03:57	WG2295881

JC 7/10/24



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/31/2024 03:57	WG2295881
Trichloroethene	0.250		0.0160	0.0400	1	05/31/2024 03:57	WG2295881
Trichlorofluoromethane	U		0.0200	0.100	1	05/31/2024 03:57	WG2295881
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2024 03:57	WG2295881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/31/2024 03:57	WG2295881
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/31/2024 03:57	WG2295881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2024 03:57	WG2295881
Vinyl chloride	17.0	J- C3	0.0273	0.100	1	05/31/2024 03:57	WG2295881
Xylenes, Total	U		0.191	0.260	1	05/31/2024 03:57	WG2295881
Ethyl Ether	U		0.0170	0.100	1	05/31/2024 03:57	WG2295881
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/31/2024 03:57	WG2295881
Iodomethane	U		0.242	0.500	1	05/31/2024 03:57	WG2295881
Allyl chloride	U		0.580	1.00	1	05/31/2024 03:57	WG2295881
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/31/2024 03:57	WG2295881
(S) Toluene-d8	105			75.0-131		05/31/2024 03:57	WG2295881
(S) Toluene-d8	98.1			75.0-131		06/02/2024 23:53	WG2296758
(S) 4-Bromofluorobenzene	98.9			67.0-138		05/31/2024 03:57	WG2295881
(S) 4-Bromofluorobenzene	102			67.0-138		06/02/2024 23:53	WG2296758
(S) 1,2-Dichloroethane-d4	96.6			70.0-130		05/31/2024 03:57	WG2295881
(S) 1,2-Dichloroethane-d4	102			70.0-130		06/02/2024 23:53	WG2296758

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	1240	J	594	5000	1	06/15/2024 05:19	WG2304423

1
Cp

2
Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	30600		102	1000	1	06/13/2024 09:31	WG2303844

3
Ss

4
Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	17800	V	28.1	100	1	07/10/2024 20:48	WG2297666
Manganese	2930	V	0.704	5.00	1	07/10/2024 20:48	WG2297666

5
Sr

6
Qc

7
Gl

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	27300		2.87	6.78	10	06/02/2024 12:39	WG2297076
Ethane	231		0.296	1.29	1	06/02/2024 10:50	WG2296094
Ethene	2920		0.422	1.27	1	06/02/2024 10:50	WG2296094

8
Al

9
Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		548	1000	1000	06/01/2024 05:40	WG2296518
Acrylonitrile	U		76.0	500	1000	06/01/2024 05:40	WG2296518
Benzene	U		16.0	40.0	1000	06/01/2024 05:40	WG2296518
Bromobenzene	U		42.0	500	1000	06/01/2024 05:40	WG2296518
Bromochloromethane	U		45.2	200	1000	06/01/2024 05:40	WG2296518
Bromodichloromethane	U		31.5	100	1000	06/01/2024 05:40	WG2296518
Bromoform	U		239	1000	1000	06/01/2024 05:40	WG2296518
Bromomethane	U		148	500	1000	06/01/2024 05:40	WG2296518
n-Butylbenzene	U		153	500	1000	06/01/2024 05:40	WG2296518
sec-Butylbenzene	U		101	500	1000	06/01/2024 05:40	WG2296518
tert-Butylbenzene	U		62.0	200	1000	06/01/2024 05:40	WG2296518
Carbon disulfide	U		162	500	1000	06/01/2024 05:40	WG2296518
Carbon tetrachloride	U		43.2	200	1000	06/01/2024 05:40	WG2296518
Chlorobenzene	U		22.9	100	1000	06/01/2024 05:40	WG2296518
Chlorodibromomethane	U		18.0	100	1000	06/01/2024 05:40	WG2296518
Chloroethane	U		43.2	200	1000	06/01/2024 05:40	WG2296518
Chloroform	U		16.6	100	1000	06/01/2024 05:40	WG2296518
Chloromethane	U		55.6	500	1000	06/01/2024 05:40	WG2296518
2-Chlorotoluene	U		36.8	100	1000	06/01/2024 05:40	WG2296518
4-Chlorotoluene	U		45.2	200	1000	06/01/2024 05:40	WG2296518
1,2-Dibromo-3-Chloropropane	U	UJ C3	204	1000	1000	06/01/2024 05:40	WG2296518
1,2-Dibromoethane	U		21.0	100	1000	06/01/2024 05:40	WG2296518
Dibromomethane	U		40.0	200	1000	06/01/2024 05:40	WG2296518
1,2-Dichlorobenzene	U		58.0	200	1000	06/01/2024 05:40	WG2296518
1,3-Dichlorobenzene	U		68.0	200	1000	06/01/2024 05:40	WG2296518
1,4-Dichlorobenzene	U		78.8	200	1000	06/01/2024 05:40	WG2296518
trans-1,4-Dichloro-2-butene	U		56.0	200	1000	06/01/2024 05:40	WG2296518
Dichlorodifluoromethane	U		32.7	200	1000	06/01/2024 05:40	WG2296518
1,1-Dichloroethane	U		23.0	100	1000	06/01/2024 05:40	WG2296518
1,2-Dichloroethane	U		19.0	100	1000	06/01/2024 05:40	WG2296518
1,1-Dichloroethene	26.0	J	20.0	100	1000	06/01/2024 05:40	WG2296518

JC 7/16/2024

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
cis-1,2-Dichloroethene	27900		27.6	100	1000	06/01/2024 05:40	WG2296518
trans-1,2-Dichloroethene	U		57.2	200	1000	06/01/2024 05:40	WG2296518
1,2-Dichloropropane	U		50.8	200	1000	06/01/2024 05:40	WG2296518
1,1-Dichloropropene	U		28.0	100	1000	06/01/2024 05:40	WG2296518
1,3-Dichloropropane	U		70.0	200	1000	06/01/2024 05:40	WG2296518
cis-1,3-Dichloropropene	U		27.1	100	1000	06/01/2024 05:40	WG2296518
trans-1,3-Dichloropropene	U		61.2	200	1000	06/01/2024 05:40	WG2296518
2,2-Dichloropropane	U		31.7	100	1000	06/01/2024 05:40	WG2296518
Di-isopropyl ether	U		14.0	40.0	1000	06/01/2024 05:40	WG2296518
Ethylbenzene	U		21.2	100	1000	06/01/2024 05:40	WG2296518
Hexachloro-1,3-butadiene	U	UJ C3	508	1000	1000	06/01/2024 05:40	WG2296518
2-Hexanone	U		400	1000	1000	06/01/2024 05:40	WG2296518
n-Hexane	U		42.4	200	1000	06/01/2024 05:40	WG2296518
Iodomethane	U		242	500	1000	06/01/2024 05:40	WG2296518
Isopropylbenzene	U		34.5	100	1000	06/01/2024 05:40	WG2296518
p-Isopropyltoluene	U		93.2	200	1000	06/01/2024 05:40	WG2296518
2-Butanone (MEK)	U		500	1000	1000	06/01/2024 05:40	WG2296518
Methylene Chloride	U		265	1000	1000	06/01/2024 05:40	WG2296518
4-Methyl-2-pentanone (MIBK)	U		400	1000	1000	06/01/2024 05:40	WG2296518
Methyl tert-butyl ether	U		11.8	40.0	1000	06/01/2024 05:40	WG2296518
Naphthalene	U	UJ C3 J4	124	500	1000	06/01/2024 05:40	WG2296518
n-Propylbenzene	U		47.2	200	1000	06/01/2024 05:40	WG2296518
Styrene	U		109	500	1000	06/01/2024 05:40	WG2296518
1,1,1,2-Tetrachloroethane	U		20.0	100	1000	06/01/2024 05:40	WG2296518
1,1,2,2-Tetrachloroethane	U		15.6	100	1000	06/01/2024 05:40	WG2296518
1,1,2-Trichlorotrifluoroethane	U		27.0	100	1000	06/01/2024 05:40	WG2296518
Tetrachloroethene	102	J+ C5	28.0	100	1000	06/01/2024 05:40	WG2296518
Toluene	U		50.0	200	1000	06/01/2024 05:40	WG2296518
1,2,3-Trichlorobenzene	U	UJ C3 J4	25.0	500	1000	06/01/2024 05:40	WG2296518
1,2,4-Trichlorobenzene	U	UJ C3 J4	193	500	1000	06/01/2024 05:40	WG2296518
1,1,1-Trichloroethane	U		11.0	100	1000	06/01/2024 05:40	WG2296518
1,1,2-Trichloroethane	U		35.3	100	1000	06/01/2024 05:40	WG2296518
Trichloroethene	108		16.0	40.0	1000	06/01/2024 05:40	WG2296518
Trichlorofluoromethane	U		20.0	100	1000	06/01/2024 05:40	WG2296518
1,2,3-Trichloropropane	U		204	500	1000	06/01/2024 05:40	WG2296518
1,2,4-Trimethylbenzene	U		46.4	200	1000	06/01/2024 05:40	WG2296518
1,2,3-Trimethylbenzene	U		46.0	200	1000	06/01/2024 05:40	WG2296518
1,3,5-Trimethylbenzene	U		43.2	200	1000	06/01/2024 05:40	WG2296518
Vinyl acetate	U		141	500	1000	06/01/2024 05:40	WG2296518
Vinyl chloride	13400		27.3	100	1000	06/01/2024 05:40	WG2296518
Xylenes, Total	U		191	260	1000	06/01/2024 05:40	WG2296518
(S) Toluene-d8	102			75.0-131		06/01/2024 05:40	WG2296518
(S) 4-Bromofluorobenzene	97.4			67.0-138		06/01/2024 05:40	WG2296518
(S) 1,2-Dichloroethane-d4	104			70.0-130		06/01/2024 05:40	WG2296518

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/16/2024

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Sulfate	11700		594	5000	1	06/15/2024 06:13	WG2304423

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Wet Chemistry by Method 9060A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	5040		102	1000	1	06/13/2024 09:55	WG2303844

Metals (ICPMS) by Method 6020B

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Iron	1780		28.1	100	1	07/10/2024 22:11	WG2297666
Manganese	1350		0.704	5.00	1	07/10/2024 22:11	WG2297666

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Methane	3020		0.287	0.678	1	06/02/2024 11:34	WG2296094
Ethane	7.59		0.296	1.29	1	06/02/2024 11:34	WG2296094
Ethene	67.6		0.422	1.27	1	06/02/2024 11:34	WG2296094

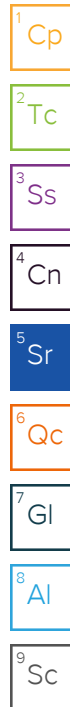
Volatile Organic Compounds (GC/MS) by Method 8260D

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.0	20.0	20	06/01/2024 05:59	WG2296518
Acrylonitrile	U		1.52	10.0	20	06/01/2024 05:59	WG2296518
Benzene	U		0.320	0.800	20	06/01/2024 05:59	WG2296518
Bromobenzene	U		0.840	10.0	20	06/01/2024 05:59	WG2296518
Bromochloromethane	U		0.904	4.00	20	06/01/2024 05:59	WG2296518
Bromodichloromethane	U		0.630	2.00	20	06/01/2024 05:59	WG2296518
Bromoform	U		4.78	20.0	20	06/01/2024 05:59	WG2296518
Bromomethane	U		2.96	10.0	20	06/01/2024 05:59	WG2296518
n-Butylbenzene	U		3.06	10.0	20	06/01/2024 05:59	WG2296518
sec-Butylbenzene	U		2.02	10.0	20	06/01/2024 05:59	WG2296518
tert-Butylbenzene	U		1.24	4.00	20	06/01/2024 05:59	WG2296518
Carbon disulfide	U		3.24	10.0	20	06/01/2024 05:59	WG2296518
Carbon tetrachloride	U		0.864	4.00	20	06/01/2024 05:59	WG2296518
Chlorobenzene	U		0.458	2.00	20	06/01/2024 05:59	WG2296518
Chlorodibromomethane	U		0.360	2.00	20	06/01/2024 05:59	WG2296518
Chloroethane	U		0.864	4.00	20	06/01/2024 05:59	WG2296518
Chloroform	U		0.332	2.00	20	06/01/2024 05:59	WG2296518
Chloromethane	U		1.11	10.0	20	06/01/2024 05:59	WG2296518
2-Chlorotoluene	U		0.736	2.00	20	06/01/2024 05:59	WG2296518
4-Chlorotoluene	U		0.904	4.00	20	06/01/2024 05:59	WG2296518
1,2-Dibromo-3-Chloropropane	U	UJ C3	4.08	20.0	20	06/01/2024 05:59	WG2296518
1,2-Dibromoethane	U		0.420	2.00	20	06/01/2024 05:59	WG2296518
Dibromomethane	U		0.800	4.00	20	06/01/2024 05:59	WG2296518
1,2-Dichlorobenzene	U		1.16	4.00	20	06/01/2024 05:59	WG2296518
1,3-Dichlorobenzene	U		1.36	4.00	20	06/01/2024 05:59	WG2296518
1,4-Dichlorobenzene	U		1.58	4.00	20	06/01/2024 05:59	WG2296518
trans-1,4-Dichloro-2-butene	U		1.12	4.00	20	06/01/2024 05:59	WG2296518
Dichlorodifluoromethane	U		0.654	4.00	20	06/01/2024 05:59	WG2296518
1,1-Dichloroethane	U		0.460	2.00	20	06/01/2024 05:59	WG2296518
1,2-Dichloroethane	U		0.380	2.00	20	06/01/2024 05:59	WG2296518
1,1-Dichloroethene	5.20		0.400	2.00	20	06/01/2024 05:59	WG2296518

JC 7/16/2024

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	84.4		0.552	2.00	20	06/01/2024 05:59	WG2296518
trans-1,2-Dichloroethene	1.38	J	1.14	4.00	20	06/01/2024 05:59	WG2296518
1,2-Dichloropropane	U		1.02	4.00	20	06/01/2024 05:59	WG2296518
1,1-Dichloropropene	U		0.560	2.00	20	06/01/2024 05:59	WG2296518
1,3-Dichloropropane	U		1.40	4.00	20	06/01/2024 05:59	WG2296518
cis-1,3-Dichloropropene	U		0.542	2.00	20	06/01/2024 05:59	WG2296518
trans-1,3-Dichloropropene	U		1.22	4.00	20	06/01/2024 05:59	WG2296518
2,2-Dichloropropane	U		0.634	2.00	20	06/01/2024 05:59	WG2296518
Di-isopropyl ether	U		0.280	0.800	20	06/01/2024 05:59	WG2296518
Ethylbenzene	U		0.424	2.00	20	06/01/2024 05:59	WG2296518
Hexachloro-1,3-butadiene	U	UJ C3	10.2	20.0	20	06/01/2024 05:59	WG2296518
2-Hexanone	U		8.00	20.0	20	06/01/2024 05:59	WG2296518
n-Hexane	U		0.848	4.00	20	06/01/2024 05:59	WG2296518
Iodomethane	U		4.84	10.0	20	06/01/2024 05:59	WG2296518
Isopropylbenzene	U		0.690	2.00	20	06/01/2024 05:59	WG2296518
p-Isopropyltoluene	U		1.86	4.00	20	06/01/2024 05:59	WG2296518
2-Butanone (MEK)	U		10.0	20.0	20	06/01/2024 05:59	WG2296518
Methylene Chloride	U		5.30	20.0	20	06/01/2024 05:59	WG2296518
4-Methyl-2-pentanone (MIBK)	U		8.00	20.0	20	06/01/2024 05:59	WG2296518
Methyl tert-butyl ether	U		0.236	0.800	20	06/01/2024 05:59	WG2296518
Naphthalene	U	UJ C3 J4	2.48	10.0	20	06/01/2024 05:59	WG2296518
n-Propylbenzene	U		0.944	4.00	20	06/01/2024 05:59	WG2296518
Styrene	U		2.18	10.0	20	06/01/2024 05:59	WG2296518
1,1,1,2-Tetrachloroethane	U		0.400	2.00	20	06/01/2024 05:59	WG2296518
1,1,2,2-Tetrachloroethane	U		0.312	2.00	20	06/01/2024 05:59	WG2296518
1,1,2-Trichlorotrifluoroethane	U		0.540	2.00	20	06/01/2024 05:59	WG2296518
Tetrachloroethene	87.8	J+ C5	0.560	2.00	20	06/01/2024 05:59	WG2296518
Toluene	U		1.00	4.00	20	06/01/2024 05:59	WG2296518
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.500	10.0	20	06/01/2024 05:59	WG2296518
1,2,4-Trichlorobenzene	U	UJ C3 J4	3.86	10.0	20	06/01/2024 05:59	WG2296518
1,1,1-Trichloroethane	U		0.220	2.00	20	06/01/2024 05:59	WG2296518
1,1,2-Trichloroethane	U		0.706	2.00	20	06/01/2024 05:59	WG2296518
Trichloroethene	117		0.320	0.800	20	06/01/2024 05:59	WG2296518
Trichlorofluoromethane	U		0.400	2.00	20	06/01/2024 05:59	WG2296518
1,2,3-Trichloropropane	U		4.08	10.0	20	06/01/2024 05:59	WG2296518
1,2,4-Trimethylbenzene	U		0.928	4.00	20	06/01/2024 05:59	WG2296518
1,2,3-Trimethylbenzene	U		0.920	4.00	20	06/01/2024 05:59	WG2296518
1,3,5-Trimethylbenzene	U		0.864	4.00	20	06/01/2024 05:59	WG2296518
Vinyl acetate	U		2.82	10.0	20	06/01/2024 05:59	WG2296518
Vinyl chloride	63.2		0.546	2.00	20	06/01/2024 05:59	WG2296518
Xylenes, Total	U		3.82	5.20	20	06/01/2024 05:59	WG2296518
(S) Toluene-d8	103			75.0-131		06/01/2024 05:59	WG2296518
(S) 4-Bromofluorobenzene	98.8			67.0-138		06/01/2024 05:59	WG2296518
(S) 1,2-Dichloroethane-d4	103			70.0-130		06/01/2024 05:59	WG2296518



JC 7/16/2024

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Sulfate	19000		594	5000	1	06/15/2024 06:39	WG2304423

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Wet Chemistry by Method 9060A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	10700		102	1000	1	06/13/2024 11:00	WG2303844

Metals (ICPMS) by Method 6020B

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Iron	2650		28.1	100	1	07/10/2024 22:14	WG2297666
Manganese	1330		0.704	5.00	1	07/10/2024 22:14	WG2297666

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Methane	36600		2.87	6.78	10	06/02/2024 12:46	WG2297076
Ethane	5.04		0.296	1.29	1	06/02/2024 11:42	WG2296094
Ethene	353		0.422	1.27	1	06/02/2024 11:42	WG2296094

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

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Acetone	U		54.8	100	100	06/01/2024 06:18	WG2296518
Acrylonitrile	U		7.60	50.0	100	06/01/2024 06:18	WG2296518
Benzene	U		1.60	4.00	100	06/01/2024 06:18	WG2296518
Bromobenzene	U		4.20	50.0	100	06/01/2024 06:18	WG2296518
Bromochloromethane	U		4.52	20.0	100	06/01/2024 06:18	WG2296518
Bromodichloromethane	U		3.15	10.0	100	06/01/2024 06:18	WG2296518
Bromoform	U		23.9	100	100	06/01/2024 06:18	WG2296518
Bromomethane	U		14.8	50.0	100	06/01/2024 06:18	WG2296518
n-Butylbenzene	U		15.3	50.0	100	06/01/2024 06:18	WG2296518
sec-Butylbenzene	U		10.1	50.0	100	06/01/2024 06:18	WG2296518
tert-Butylbenzene	U		6.20	20.0	100	06/01/2024 06:18	WG2296518
Carbon disulfide	U		16.2	50.0	100	06/01/2024 06:18	WG2296518
Carbon tetrachloride	U		4.32	20.0	100	06/01/2024 06:18	WG2296518
Chlorobenzene	U		2.29	10.0	100	06/01/2024 06:18	WG2296518
Chlorodibromomethane	U		1.80	10.0	100	06/01/2024 06:18	WG2296518
Chloroethane	U		4.32	20.0	100	06/01/2024 06:18	WG2296518
Chloroform	U		1.66	10.0	100	06/01/2024 06:18	WG2296518
Chloromethane	U		5.56	50.0	100	06/01/2024 06:18	WG2296518
2-Chlorotoluene	U		3.68	10.0	100	06/01/2024 06:18	WG2296518
4-Chlorotoluene	U		4.52	20.0	100	06/01/2024 06:18	WG2296518
1,2-Dibromo-3-Chloropropane	U	UJ C3	20.4	100	100	06/01/2024 06:18	WG2296518
1,2-Dibromoethane	U		2.10	10.0	100	06/01/2024 06:18	WG2296518
Dibromomethane	U		4.00	20.0	100	06/01/2024 06:18	WG2296518
1,2-Dichlorobenzene	U		5.80	20.0	100	06/01/2024 06:18	WG2296518
1,3-Dichlorobenzene	U		6.80	20.0	100	06/01/2024 06:18	WG2296518
1,4-Dichlorobenzene	U		7.88	20.0	100	06/01/2024 06:18	WG2296518
trans-1,4-Dichloro-2-butene	U		5.60	20.0	100	06/01/2024 06:18	WG2296518
Dichlorodifluoromethane	U		3.27	20.0	100	06/01/2024 06:18	WG2296518
1,1-Dichloroethane	U		2.30	10.0	100	06/01/2024 06:18	WG2296518
1,2-Dichloroethane	U		1.90	10.0	100	06/01/2024 06:18	WG2296518
1,1-Dichloroethene	U		2.00	10.0	100	06/01/2024 06:18	WG2296518

JC 7/16/2024

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
cis-1,2-Dichloroethene	205		2.76	10.0	100	06/01/2024 06:18	WG2296518
trans-1,2-Dichloroethene	U		5.72	20.0	100	06/01/2024 06:18	WG2296518
1,2-Dichloropropane	U		5.08	20.0	100	06/01/2024 06:18	WG2296518
1,1-Dichloropropene	U		2.80	10.0	100	06/01/2024 06:18	WG2296518
1,3-Dichloropropane	U		7.00	20.0	100	06/01/2024 06:18	WG2296518
cis-1,3-Dichloropropene	U		2.71	10.0	100	06/01/2024 06:18	WG2296518
trans-1,3-Dichloropropene	U		6.12	20.0	100	06/01/2024 06:18	WG2296518
2,2-Dichloropropane	U		3.17	10.0	100	06/01/2024 06:18	WG2296518
Di-isopropyl ether	U		1.40	4.00	100	06/01/2024 06:18	WG2296518
Ethylbenzene	U		2.12	10.0	100	06/01/2024 06:18	WG2296518
Hexachloro-1,3-butadiene	U	UJ C3	50.8	100	100	06/01/2024 06:18	WG2296518
2-Hexanone	U		40.0	100	100	06/01/2024 06:18	WG2296518
n-Hexane	U		4.24	20.0	100	06/01/2024 06:18	WG2296518
Iodomethane	U		24.2	50.0	100	06/01/2024 06:18	WG2296518
Isopropylbenzene	U		3.45	10.0	100	06/01/2024 06:18	WG2296518
p-Isopropyltoluene	U		9.32	20.0	100	06/01/2024 06:18	WG2296518
2-Butanone (MEK)	U		50.0	100	100	06/01/2024 06:18	WG2296518
Methylene Chloride	U		26.5	100	100	06/01/2024 06:18	WG2296518
4-Methyl-2-pentanone (MIBK)	U		40.0	100	100	06/01/2024 06:18	WG2296518
Methyl tert-butyl ether	U		1.18	4.00	100	06/01/2024 06:18	WG2296518
Naphthalene	U	UJ C3 J4	12.4	50.0	100	06/01/2024 06:18	WG2296518
n-Propylbenzene	U		4.72	20.0	100	06/01/2024 06:18	WG2296518
Styrene	U		10.9	50.0	100	06/01/2024 06:18	WG2296518
1,1,1,2-Tetrachloroethane	U		2.00	10.0	100	06/01/2024 06:18	WG2296518
1,1,2,2-Tetrachloroethane	U		1.56	10.0	100	06/01/2024 06:18	WG2296518
1,1,2-Trichlorotrifluoroethane	U		2.70	10.0	100	06/01/2024 06:18	WG2296518
Tetrachloroethene	U		2.80	10.0	100	06/01/2024 06:18	WG2296518
Toluene	U		5.00	20.0	100	06/01/2024 06:18	WG2296518
1,2,3-Trichlorobenzene	U	UJ C3 J4	2.50	50.0	100	06/01/2024 06:18	WG2296518
1,2,4-Trichlorobenzene	U	UJ C3 J4	19.3	50.0	100	06/01/2024 06:18	WG2296518
1,1,1-Trichloroethane	U		1.10	10.0	100	06/01/2024 06:18	WG2296518
1,1,2-Trichloroethane	U		3.53	10.0	100	06/01/2024 06:18	WG2296518
Trichloroethene	U		1.60	4.00	100	06/01/2024 06:18	WG2296518
Trichlorofluoromethane	U		2.00	10.0	100	06/01/2024 06:18	WG2296518
1,2,3-Trichloropropane	U		20.4	50.0	100	06/01/2024 06:18	WG2296518
1,2,4-Trimethylbenzene	U		4.64	20.0	100	06/01/2024 06:18	WG2296518
1,2,3-Trimethylbenzene	U		4.60	20.0	100	06/01/2024 06:18	WG2296518
1,3,5-Trimethylbenzene	U		4.32	20.0	100	06/01/2024 06:18	WG2296518
Vinyl acetate	U		14.1	50.0	100	06/01/2024 06:18	WG2296518
Vinyl chloride	1030		2.73	10.0	100	06/01/2024 06:18	WG2296518
Xylenes, Total	U		19.1	26.0	100	06/01/2024 06:18	WG2296518
(S) Toluene-d8	100			75.0-131		06/01/2024 06:18	WG2296518
(S) 4-Bromofluorobenzene	97.4			67.0-138		06/01/2024 06:18	WG2296518
(S) 1,2-Dichloroethane-d4	102			70.0-130		06/01/2024 06:18	WG2296518

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/16/2024

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	1870	J P1	594	5000	1	06/15/2024 07:06	WG2304423

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	31000		102	1000	1	06/13/2024 11:45	WG2303844

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	13300		28.1	100	1	07/10/2024 23:49	WG2297670
Manganese	1590		0.704	5.00	1	07/10/2024 23:49	WG2297670

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	85.2		0.287	0.678	1	06/02/2024 15:39	WG2296667
Ethane	U		0.296	1.29	1	06/02/2024 15:39	WG2296667
Ethene	2.44		0.422	1.27	1	06/02/2024 15:39	WG2296667

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		110	200	200	06/01/2024 06:37	WG2296518
Acrylonitrile	U		15.2	100	200	06/01/2024 06:37	WG2296518
Benzene	U		3.20	8.00	200	06/01/2024 06:37	WG2296518
Bromobenzene	U		8.40	100	200	06/01/2024 06:37	WG2296518
Bromochloromethane	U		9.04	40.0	200	06/01/2024 06:37	WG2296518
Bromodichloromethane	U		6.30	20.0	200	06/01/2024 06:37	WG2296518
Bromoform	U		47.8	200	200	06/01/2024 06:37	WG2296518
Bromomethane	U		29.6	100	200	06/01/2024 06:37	WG2296518
n-Butylbenzene	U		30.6	100	200	06/01/2024 06:37	WG2296518
sec-Butylbenzene	U		20.2	100	200	06/01/2024 06:37	WG2296518
tert-Butylbenzene	U		12.4	40.0	200	06/01/2024 06:37	WG2296518
Carbon disulfide	U		32.4	100	200	06/01/2024 06:37	WG2296518
Carbon tetrachloride	U		8.64	40.0	200	06/01/2024 06:37	WG2296518
Chlorobenzene	U		4.58	20.0	200	06/01/2024 06:37	WG2296518
Chlorodibromomethane	U		3.60	20.0	200	06/01/2024 06:37	WG2296518
Chloroethane	U		8.64	40.0	200	06/01/2024 06:37	WG2296518
Chloroform	U		3.32	20.0	200	06/01/2024 06:37	WG2296518
Chloromethane	U		11.1	100	200	06/01/2024 06:37	WG2296518
2-Chlorotoluene	U		7.36	20.0	200	06/01/2024 06:37	WG2296518
4-Chlorotoluene	U		9.04	40.0	200	06/01/2024 06:37	WG2296518
1,2-Dibromo-3-Chloropropane	U	UJ C3	40.8	200	200	06/01/2024 06:37	WG2296518
1,2-Dibromoethane	U		4.20	20.0	200	06/01/2024 06:37	WG2296518
Dibromomethane	U		8.00	40.0	200	06/01/2024 06:37	WG2296518
1,2-Dichlorobenzene	U		11.6	40.0	200	06/01/2024 06:37	WG2296518
1,3-Dichlorobenzene	U		13.6	40.0	200	06/01/2024 06:37	WG2296518
1,4-Dichlorobenzene	U		15.8	40.0	200	06/01/2024 06:37	WG2296518
trans-1,4-Dichloro-2-butene	U		11.2	40.0	200	06/01/2024 06:37	WG2296518
Dichlorodifluoromethane	U		6.54	40.0	200	06/01/2024 06:37	WG2296518
1,1-Dichloroethane	U		4.60	20.0	200	06/01/2024 06:37	WG2296518
1,2-Dichloroethane	U		3.80	20.0	200	06/01/2024 06:37	WG2296518
1,1-Dichloroethene	10.2	J	4.00	20.0	200	06/01/2024 06:37	WG2296518

JC 7/16/2024

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	6730		5.52	20.0	200	06/01/2024 06:37	WG2296518
trans-1,2-Dichloroethene	16.6	J	11.4	40.0	200	06/01/2024 06:37	WG2296518
1,2-Dichloropropane	U		10.2	40.0	200	06/01/2024 06:37	WG2296518
1,1-Dichloropropene	U		5.60	20.0	200	06/01/2024 06:37	WG2296518
1,3-Dichloropropane	U		14.0	40.0	200	06/01/2024 06:37	WG2296518
cis-1,3-Dichloropropene	U		5.42	20.0	200	06/01/2024 06:37	WG2296518
trans-1,3-Dichloropropene	U		12.2	40.0	200	06/01/2024 06:37	WG2296518
2,2-Dichloropropane	U		6.34	20.0	200	06/01/2024 06:37	WG2296518
Di-isopropyl ether	U		2.80	8.00	200	06/01/2024 06:37	WG2296518
Ethylbenzene	U		4.24	20.0	200	06/01/2024 06:37	WG2296518
Hexachloro-1,3-butadiene	U	UJ C3	102	200	200	06/01/2024 06:37	WG2296518
2-Hexanone	U		80.0	200	200	06/01/2024 06:37	WG2296518
n-Hexane	U		8.48	40.0	200	06/01/2024 06:37	WG2296518
Iodomethane	U		48.4	100	200	06/01/2024 06:37	WG2296518
Isopropylbenzene	U		6.90	20.0	200	06/01/2024 06:37	WG2296518
p-Isopropyltoluene	U		18.6	40.0	200	06/01/2024 06:37	WG2296518
2-Butanone (MEK)	U		100	200	200	06/01/2024 06:37	WG2296518
Methylene Chloride	U		53.0	200	200	06/01/2024 06:37	WG2296518
4-Methyl-2-pentanone (MIBK)	U		80.0	200	200	06/01/2024 06:37	WG2296518
Methyl tert-butyl ether	U		2.36	8.00	200	06/01/2024 06:37	WG2296518
Naphthalene	U	UJ C3 J4	24.8	100	200	06/01/2024 06:37	WG2296518
n-Propylbenzene	U		9.44	40.0	200	06/01/2024 06:37	WG2296518
Styrene	U		21.8	100	200	06/01/2024 06:37	WG2296518
1,1,1,2-Tetrachloroethane	U		4.00	20.0	200	06/01/2024 06:37	WG2296518
1,1,2,2-Tetrachloroethane	U		3.12	20.0	200	06/01/2024 06:37	WG2296518
1,1,2-Trichlorotrifluoroethane	U		5.40	20.0	200	06/01/2024 06:37	WG2296518
Tetrachloroethene	U		5.60	20.0	200	06/01/2024 06:37	WG2296518
Toluene	U		10.0	40.0	200	06/01/2024 06:37	WG2296518
1,2,3-Trichlorobenzene	U	UJ C3 J4	5.00	100	200	06/01/2024 06:37	WG2296518
1,2,4-Trichlorobenzene	U	UJ C3 J4	38.6	100	200	06/01/2024 06:37	WG2296518
1,1,1-Trichloroethane	U		2.20	20.0	200	06/01/2024 06:37	WG2296518
1,1,2-Trichloroethane	U		7.06	20.0	200	06/01/2024 06:37	WG2296518
Trichloroethene	U		3.20	8.00	200	06/01/2024 06:37	WG2296518
Trichlorofluoromethane	U		4.00	20.0	200	06/01/2024 06:37	WG2296518
1,2,3-Trichloropropane	U		40.8	100	200	06/01/2024 06:37	WG2296518
1,2,4-Trimethylbenzene	U		9.28	40.0	200	06/01/2024 06:37	WG2296518
1,2,3-Trimethylbenzene	U		9.20	40.0	200	06/01/2024 06:37	WG2296518
1,3,5-Trimethylbenzene	U		8.64	40.0	200	06/01/2024 06:37	WG2296518
Vinyl acetate	U		28.2	100	200	06/01/2024 06:37	WG2296518
Vinyl chloride	6540		5.46	20.0	200	06/01/2024 06:37	WG2296518
Xylenes, Total	U		38.2	52.0	200	06/01/2024 06:37	WG2296518
(S) Toluene-d8	103			75.0-131		06/01/2024 06:37	WG2296518
(S) 4-Bromofluorobenzene	97.4			67.0-138		06/01/2024 06:37	WG2296518
(S) 1,2-Dichloroethane-d4	106			70.0-130		06/01/2024 06:37	WG2296518

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/16/2024

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	2350	J	594	5000	1	06/15/2024 08:13	WG2304423

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	16600		102	1000	1	06/13/2024 12:55	WG2303844

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	34900		281	1000	10	07/11/2024 13:19	WG2297670
Manganese	2650		0.704	5.00	1	07/11/2024 00:39	WG2297670

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	608		0.287	0.678	1	06/02/2024 15:49	WG2296667
Ethane	U		0.296	1.29	1	06/02/2024 15:49	WG2296667
Ethene	7.71		0.422	1.27	1	06/02/2024 15:49	WG2296667

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U	UJ	27.4	50.0	50	06/01/2024 06:56	WG2296518
Acrylonitrile	U		3.80	25.0	50	06/01/2024 06:56	WG2296518
Benzene	U		0.800	2.00	50	06/01/2024 06:56	WG2296518
Bromobenzene	U		2.10	25.0	50	06/01/2024 06:56	WG2296518
Bromochloromethane	U		2.26	10.0	50	06/01/2024 06:56	WG2296518
Bromodichloromethane	U		1.58	5.00	50	06/01/2024 06:56	WG2296518
Bromoform	U		12.0	50.0	50	06/01/2024 06:56	WG2296518
Bromomethane	U		7.40	25.0	50	06/01/2024 06:56	WG2296518
n-Butylbenzene	U		7.65	25.0	50	06/01/2024 06:56	WG2296518
sec-Butylbenzene	U		5.05	25.0	50	06/01/2024 06:56	WG2296518
tert-Butylbenzene	U		3.10	10.0	50	06/01/2024 06:56	WG2296518
Carbon disulfide	U		8.10	25.0	50	06/01/2024 06:56	WG2296518
Carbon tetrachloride	U		2.16	10.0	50	06/01/2024 06:56	WG2296518
Chlorobenzene	U		1.15	5.00	50	06/01/2024 06:56	WG2296518
Chlorodibromomethane	U		0.900	5.00	50	06/01/2024 06:56	WG2296518
Chloroethane	U		2.16	10.0	50	06/01/2024 06:56	WG2296518
Chloroform	U		0.830	5.00	50	06/01/2024 06:56	WG2296518
Chloromethane	U		2.78	25.0	50	06/01/2024 06:56	WG2296518
2-Chlorotoluene	U		1.84	5.00	50	06/01/2024 06:56	WG2296518
4-Chlorotoluene	U	UJ	2.26	10.0	50	06/01/2024 06:56	WG2296518
1,2-Dibromo-3-Chloropropane	U	UJ C3	10.2	50.0	50	06/01/2024 06:56	WG2296518
1,2-Dibromoethane	U		1.05	5.00	50	06/01/2024 06:56	WG2296518
Dibromomethane	U		2.00	10.0	50	06/01/2024 06:56	WG2296518
1,2-Dichlorobenzene	U		2.90	10.0	50	06/01/2024 06:56	WG2296518
1,3-Dichlorobenzene	U		3.40	10.0	50	06/01/2024 06:56	WG2296518
1,4-Dichlorobenzene	U		3.94	10.0	50	06/01/2024 06:56	WG2296518
trans-1,4-Dichloro-2-butene	U		2.80	10.0	50	06/01/2024 06:56	WG2296518
Dichlorodifluoromethane	U		1.64	10.0	50	06/01/2024 06:56	WG2296518
1,1-Dichloroethane	U		1.15	5.00	50	06/01/2024 06:56	WG2296518
1,2-Dichloroethane	U	UJ	0.950	5.00	50	06/01/2024 06:56	WG2296518
1,1-Dichloroethene	5.75	J	1.00	5.00	50	06/01/2024 06:56	WG2296518

JC 7/16/2024

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	718	J	1.38	5.00	50	06/01/2024 06:56	WG2296518
trans-1,2-Dichloroethene	5.25	J J	2.86	10.0	50	06/01/2024 06:56	WG2296518
1,2-Dichloropropane	U	UJ	2.54	10.0	50	06/01/2024 06:56	WG2296518
1,1-Dichloropropene	U		1.40	5.00	50	06/01/2024 06:56	WG2296518
1,3-Dichloropropane	U		3.50	10.0	50	06/01/2024 06:56	WG2296518
cis-1,3-Dichloropropene	U		1.36	5.00	50	06/01/2024 06:56	WG2296518
trans-1,3-Dichloropropene	U		3.06	10.0	50	06/01/2024 06:56	WG2296518
2,2-Dichloropropane	U		1.59	5.00	50	06/01/2024 06:56	WG2296518
Di-isopropyl ether	U		0.700	2.00	50	06/01/2024 06:56	WG2296518
Ethylbenzene	U		1.06	5.00	50	06/01/2024 06:56	WG2296518
Hexachloro-1,3-butadiene	U	UJ C3	25.4	50.0	50	06/01/2024 06:56	WG2296518
2-Hexanone	U		20.0	50.0	50	06/01/2024 06:56	WG2296518
n-Hexane	U		2.12	10.0	50	06/01/2024 06:56	WG2296518
Iodomethane	U		12.1	25.0	50	06/01/2024 06:56	WG2296518
Isopropylbenzene	U		1.73	5.00	50	06/01/2024 06:56	WG2296518
p-Isopropyltoluene	U		4.66	10.0	50	06/01/2024 06:56	WG2296518
2-Butanone (MEK)	U		25.0	50.0	50	06/01/2024 06:56	WG2296518
Methylene Chloride	U		13.3	50.0	50	06/01/2024 06:56	WG2296518
4-Methyl-2-pentanone (MIBK)	U		20.0	50.0	50	06/01/2024 06:56	WG2296518
Methyl tert-butyl ether	U	UJ	0.590	2.00	50	06/01/2024 06:56	WG2296518
Naphthalene	U	UJ C3 J4	6.20	25.0	50	06/01/2024 06:56	WG2296518
n-Propylbenzene	U		2.36	10.0	50	06/01/2024 06:56	WG2296518
Styrene	U		5.45	25.0	50	06/01/2024 06:56	WG2296518
1,1,1,2-Tetrachloroethane	U		1.00	5.00	50	06/01/2024 06:56	WG2296518
1,1,2,2-Tetrachloroethane	U		0.780	5.00	50	06/01/2024 06:56	WG2296518
1,1,2-Trichlorotrifluoroethane	U		1.35	5.00	50	06/01/2024 06:56	WG2296518
Tetrachloroethene	6.45	J+ C5	1.40	5.00	50	06/01/2024 06:56	WG2296518
Toluene	U	UJ	2.50	10.0	50	06/01/2024 06:56	WG2296518
1,2,3-Trichlorobenzene	U	UJ C3 J4	1.25	25.0	50	06/01/2024 06:56	WG2296518
1,2,4-Trichlorobenzene	U	UJ C3 J4	9.65	25.0	50	06/01/2024 06:56	WG2296518
1,1,1-Trichloroethane	U	UJ	0.550	5.00	50	06/01/2024 06:56	WG2296518
1,1,2-Trichloroethane	U	UJ	1.77	5.00	50	06/01/2024 06:56	WG2296518
Trichloroethene	1.25	J J	0.800	2.00	50	06/01/2024 06:56	WG2296518
Trichlorofluoromethane	U	UJ	1.00	5.00	50	06/01/2024 06:56	WG2296518
1,2,3-Trichloropropane	U		10.2	25.0	50	06/01/2024 06:56	WG2296518
1,2,4-Trimethylbenzene	U		2.32	10.0	50	06/01/2024 06:56	WG2296518
1,2,3-Trimethylbenzene	U		2.30	10.0	50	06/01/2024 06:56	WG2296518
1,3,5-Trimethylbenzene	U		2.16	10.0	50	06/01/2024 06:56	WG2296518
Vinyl acetate	U	UJ	7.05	25.0	50	06/01/2024 06:56	WG2296518
Vinyl chloride	1750	J	1.36	5.00	50	06/01/2024 06:56	WG2296518
Xylenes, Total	U	UJ	9.55	13.0	50	06/01/2024 06:56	WG2296518
(S) Toluene-d8	104			75.0-131		06/01/2024 06:56	WG2296518
(S) 4-Bromofluorobenzene	96.4			67.0-138		06/01/2024 06:56	WG2296518
(S) 1,2-Dichloroethane-d4	104			70.0-130		06/01/2024 06:56	WG2296518

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/16/2024

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		13.7	25.0	25	06/01/2024 07:15	WG2296518
Acrylonitrile	U		1.90	12.5	25	06/01/2024 07:15	WG2296518
Benzene	0.700	J	0.400	1.00	25	06/01/2024 07:15	WG2296518
Bromobenzene	U		1.05	12.5	25	06/01/2024 07:15	WG2296518
Bromochloromethane	U		1.13	5.00	25	06/01/2024 07:15	WG2296518
Bromodichloromethane	U		0.788	2.50	25	06/01/2024 07:15	WG2296518
Bromoform	U		5.98	25.0	25	06/01/2024 07:15	WG2296518
Bromomethane	U		3.70	12.5	25	06/01/2024 07:15	WG2296518
n-Butylbenzene	U		3.83	12.5	25	06/01/2024 07:15	WG2296518
sec-Butylbenzene	U		2.53	12.5	25	06/01/2024 07:15	WG2296518
tert-Butylbenzene	U		1.55	5.00	25	06/01/2024 07:15	WG2296518
Carbon disulfide	U		4.05	12.5	25	06/01/2024 07:15	WG2296518
Carbon tetrachloride	U		1.08	5.00	25	06/01/2024 07:15	WG2296518
Chlorobenzene	U		0.573	2.50	25	06/01/2024 07:15	WG2296518
Chlorodibromomethane	U		0.450	2.50	25	06/01/2024 07:15	WG2296518
Chloroethane	U		1.08	5.00	25	06/01/2024 07:15	WG2296518
Chloroform	U		0.415	2.50	25	06/01/2024 07:15	WG2296518
Chloromethane	U		1.39	12.5	25	06/01/2024 07:15	WG2296518
2-Chlorotoluene	U		0.920	2.50	25	06/01/2024 07:15	WG2296518
4-Chlorotoluene	U		1.13	5.00	25	06/01/2024 07:15	WG2296518
1,2-Dibromo-3-Chloropropane	U	UJ C3	5.10	25.0	25	06/01/2024 07:15	WG2296518
1,2-Dibromoethane	U		0.525	2.50	25	06/01/2024 07:15	WG2296518
Dibromomethane	U		1.00	5.00	25	06/01/2024 07:15	WG2296518
1,2-Dichlorobenzene	U		1.45	5.00	25	06/01/2024 07:15	WG2296518
1,3-Dichlorobenzene	U		1.70	5.00	25	06/01/2024 07:15	WG2296518
1,4-Dichlorobenzene	U		1.97	5.00	25	06/01/2024 07:15	WG2296518
trans-1,4-Dichloro-2-butene	U		1.40	5.00	25	06/01/2024 07:15	WG2296518
Dichlorodifluoromethane	U		0.818	5.00	25	06/01/2024 07:15	WG2296518
1,1-Dichloroethane	U		0.575	2.50	25	06/01/2024 07:15	WG2296518
1,2-Dichloroethane	U		0.475	2.50	25	06/01/2024 07:15	WG2296518
1,1-Dichloroethene	1.93	J	0.500	2.50	25	06/01/2024 07:15	WG2296518
cis-1,2-Dichloroethene	931		0.690	2.50	25	06/01/2024 07:15	WG2296518
trans-1,2-Dichloroethene	3.97	J	1.43	5.00	25	06/01/2024 07:15	WG2296518
1,2-Dichloropropane	U		1.27	5.00	25	06/01/2024 07:15	WG2296518
1,1-Dichloropropene	U		0.700	2.50	25	06/01/2024 07:15	WG2296518
1,3-Dichloropropane	U		1.75	5.00	25	06/01/2024 07:15	WG2296518
cis-1,3-Dichloropropene	U		0.678	2.50	25	06/01/2024 07:15	WG2296518
trans-1,3-Dichloropropene	U		1.53	5.00	25	06/01/2024 07:15	WG2296518
2,2-Dichloropropane	U		0.793	2.50	25	06/01/2024 07:15	WG2296518
Di-isopropyl ether	U		0.350	1.00	25	06/01/2024 07:15	WG2296518
Ethylbenzene	U		0.530	2.50	25	06/01/2024 07:15	WG2296518
Hexachloro-1,3-butadiene	U	UJ C3	12.7	25.0	25	06/01/2024 07:15	WG2296518
2-Hexanone	U		10.0	25.0	25	06/01/2024 07:15	WG2296518
n-Hexane	U		1.06	5.00	25	06/01/2024 07:15	WG2296518
Iodomethane	U		6.05	12.5	25	06/01/2024 07:15	WG2296518
Isopropylbenzene	U		0.863	2.50	25	06/01/2024 07:15	WG2296518
p-Isopropyltoluene	U		2.33	5.00	25	06/01/2024 07:15	WG2296518
2-Butanone (MEK)	U		12.5	25.0	25	06/01/2024 07:15	WG2296518
Methylene Chloride	U		6.63	25.0	25	06/01/2024 07:15	WG2296518
4-Methyl-2-pentanone (MIBK)	U		10.0	25.0	25	06/01/2024 07:15	WG2296518
Methyl tert-butyl ether	U		0.295	1.00	25	06/01/2024 07:15	WG2296518
Naphthalene	U	UJ C3 J4	3.10	12.5	25	06/01/2024 07:15	WG2296518
n-Propylbenzene	U		1.18	5.00	25	06/01/2024 07:15	WG2296518
Styrene	U		2.73	12.5	25	06/01/2024 07:15	WG2296518
1,1,1,2-Tetrachloroethane	U		0.500	2.50	25	06/01/2024 07:15	WG2296518
1,1,2,2-Tetrachloroethane	U		0.390	2.50	25	06/01/2024 07:15	WG2296518

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/16/2024

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.675	2.50	25	06/01/2024 07:15	WG2296518
Tetrachloroethene	U		0.700	2.50	25	06/01/2024 07:15	WG2296518
Toluene	U		1.25	5.00	25	06/01/2024 07:15	WG2296518
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.625	12.5	25	06/01/2024 07:15	WG2296518
1,2,4-Trichlorobenzene	U	UJ C3 J4	4.83	12.5	25	06/01/2024 07:15	WG2296518
1,1,1-Trichloroethane	U		0.275	2.50	25	06/01/2024 07:15	WG2296518
1,1,2-Trichloroethane	U		0.883	2.50	25	06/01/2024 07:15	WG2296518
Trichloroethene	U		0.400	1.00	25	06/01/2024 07:15	WG2296518
Trichlorofluoromethane	U		0.500	2.50	25	06/01/2024 07:15	WG2296518
1,2,3-Trichloropropane	U		5.10	12.5	25	06/01/2024 07:15	WG2296518
1,2,4-Trimethylbenzene	U		1.16	5.00	25	06/01/2024 07:15	WG2296518
1,2,3-Trimethylbenzene	U		1.15	5.00	25	06/01/2024 07:15	WG2296518
1,3,5-Trimethylbenzene	U		1.08	5.00	25	06/01/2024 07:15	WG2296518
Vinyl acetate	U		3.53	12.5	25	06/01/2024 07:15	WG2296518
Vinyl chloride	47.3		0.682	2.50	25	06/01/2024 07:15	WG2296518
Xylenes, Total	U		4.78	6.50	25	06/01/2024 07:15	WG2296518
(S) Toluene-d8	103			75.0-131		06/01/2024 07:15	WG2296518
(S) 4-Bromofluorobenzene	96.5			67.0-138		06/01/2024 07:15	WG2296518
(S) 1,2-Dichloroethane-d4	104			70.0-130		06/01/2024 07:15	WG2296518

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.38	U	0.548	1.00	1	06/01/2024 03:27	WG2296518
Acrylonitrile	U		0.0760	0.500	1	06/01/2024 03:27	WG2296518
Benzene	U		0.0160	0.0400	1	06/01/2024 03:27	WG2296518
Bromobenzene	U		0.0420	0.500	1	06/01/2024 03:27	WG2296518
Bromochloromethane	U		0.0452	0.200	1	06/01/2024 03:27	WG2296518
Bromodichloromethane	U		0.0315	0.100	1	06/01/2024 03:27	WG2296518
Bromoform	U		0.239	1.00	1	06/01/2024 03:27	WG2296518
Bromomethane	U		0.148	0.500	1	06/01/2024 03:27	WG2296518
n-Butylbenzene	U		0.153	0.500	1	06/01/2024 03:27	WG2296518
sec-Butylbenzene	U		0.101	0.500	1	06/01/2024 03:27	WG2296518
tert-Butylbenzene	U		0.0620	0.200	1	06/01/2024 03:27	WG2296518
Carbon disulfide	U		0.162	0.500	1	06/01/2024 03:27	WG2296518
Carbon tetrachloride	U		0.0432	0.200	1	06/01/2024 03:27	WG2296518
Chlorobenzene	U		0.0229	0.100	1	06/01/2024 03:27	WG2296518
Chlorodibromomethane	U		0.0180	0.100	1	06/01/2024 03:27	WG2296518
Chloroethane	U		0.0432	0.200	1	06/01/2024 03:27	WG2296518
Chloroform	U		0.0166	0.100	1	06/01/2024 03:27	WG2296518
Chloromethane	U		0.0556	0.500	1	06/01/2024 03:27	WG2296518
2-Chlorotoluene	U		0.0368	0.100	1	06/01/2024 03:27	WG2296518
4-Chlorotoluene	U		0.0452	0.200	1	06/01/2024 03:27	WG2296518
1,2-Dibromo-3-Chloropropane	U	UJ	0.204	1.00	1	06/01/2024 03:27	WG2296518
1,2-Dibromoethane	U		0.0210	0.100	1	06/01/2024 03:27	WG2296518
Dibromomethane	U		0.0400	0.200	1	06/01/2024 03:27	WG2296518
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/01/2024 03:27	WG2296518
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/01/2024 03:27	WG2296518
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/01/2024 03:27	WG2296518
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/01/2024 03:27	WG2296518
Dichlorodifluoromethane	U		0.0327	0.200	1	06/01/2024 03:27	WG2296518
1,1-Dichloroethane	U		0.0230	0.100	1	06/01/2024 03:27	WG2296518
1,2-Dichloroethane	U		0.0190	0.100	1	06/01/2024 03:27	WG2296518
1,1-Dichloroethene	0.172		0.0200	0.100	1	06/01/2024 03:27	WG2296518
cis-1,2-Dichloroethene	79.5		0.0276	0.100	1	06/01/2024 03:27	WG2296518
trans-1,2-Dichloroethene	0.105	J	0.0572	0.200	1	06/01/2024 03:27	WG2296518
1,2-Dichloropropane	U		0.0508	0.200	1	06/01/2024 03:27	WG2296518
1,1-Dichloropropene	U		0.0280	0.100	1	06/01/2024 03:27	WG2296518
1,3-Dichloropropane	U		0.0700	0.200	1	06/01/2024 03:27	WG2296518
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/01/2024 03:27	WG2296518
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/01/2024 03:27	WG2296518
2,2-Dichloropropane	U		0.0317	0.100	1	06/01/2024 03:27	WG2296518
Di-isopropyl ether	U		0.0140	0.0400	1	06/01/2024 03:27	WG2296518
Ethylbenzene	U		0.0212	0.100	1	06/01/2024 03:27	WG2296518
Hexachloro-1,3-butadiene	U	UJ	0.508	1.00	1	06/01/2024 03:27	WG2296518
2-Hexanone	U		0.400	1.00	1	06/01/2024 03:27	WG2296518
n-Hexane	U		0.0424	0.200	1	06/01/2024 03:27	WG2296518
Iodomethane	U		0.242	0.500	1	06/01/2024 03:27	WG2296518
Isopropylbenzene	U		0.0345	0.100	1	06/01/2024 03:27	WG2296518
p-Isopropyltoluene	U		0.0932	0.200	1	06/01/2024 03:27	WG2296518
2-Butanone (MEK)	U		0.500	1.00	1	06/01/2024 03:27	WG2296518
Methylene Chloride	U		0.265	1.00	1	06/01/2024 03:27	WG2296518
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/01/2024 03:27	WG2296518
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/01/2024 03:27	WG2296518
Naphthalene	U	UJ	0.124	0.500	1	06/01/2024 03:27	WG2296518
n-Propylbenzene	U		0.0472	0.200	1	06/01/2024 03:27	WG2296518
Styrene	U		0.109	0.500	1	06/01/2024 03:27	WG2296518
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/01/2024 03:27	WG2296518
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/01/2024 03:27	WG2296518

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/16/2024

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/01/2024 03:27	WG2296518
Tetrachloroethene	U		0.0280	0.100	1	06/01/2024 03:27	WG2296518
Toluene	0.0510	<u>J</u>	0.0500	0.200	1	06/01/2024 03:27	WG2296518
1,2,3-Trichlorobenzene	U	<u>UJ</u> C3 J4	0.0250	0.500	1	06/01/2024 03:27	WG2296518
1,2,4-Trichlorobenzene	U	<u>UJ</u> C3 J4	0.193	0.500	1	06/01/2024 03:27	WG2296518
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/01/2024 03:27	WG2296518
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/01/2024 03:27	WG2296518
Trichloroethene	U		0.0160	0.0400	1	06/01/2024 03:27	WG2296518
Trichlorofluoromethane	U		0.0200	0.100	1	06/01/2024 03:27	WG2296518
1,2,3-Trichloropropane	U		0.204	0.500	1	06/01/2024 03:27	WG2296518
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/01/2024 03:27	WG2296518
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/01/2024 03:27	WG2296518
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/01/2024 03:27	WG2296518
Vinyl acetate	U		0.141	0.500	1	06/01/2024 03:27	WG2296518
Vinyl chloride	58.5		0.0273	0.100	1	06/01/2024 03:27	WG2296518
Xylenes, Total	U		0.191	0.260	1	06/01/2024 03:27	WG2296518
(S) Toluene-d8	102			75.0-131		06/01/2024 03:27	WG2296518
(S) 4-Bromofluorobenzene	97.8			67.0-138		06/01/2024 03:27	WG2296518
(S) 1,2-Dichloroethane-d4	102			70.0-130		06/01/2024 03:27	WG2296518

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/16/2024

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/01/2024 03:46	WG2296518
Acrylonitrile	U		0.0760	0.500	1	06/01/2024 03:46	WG2296518
Benzene	U		0.0160	0.0400	1	06/01/2024 03:46	WG2296518
Bromobenzene	U		0.0420	0.500	1	06/01/2024 03:46	WG2296518
Bromochloromethane	U		0.0452	0.200	1	06/01/2024 03:46	WG2296518
Bromodichloromethane	U		0.0315	0.100	1	06/01/2024 03:46	WG2296518
Bromoform	U		0.239	1.00	1	06/01/2024 03:46	WG2296518
Bromomethane	U		0.148	0.500	1	06/01/2024 03:46	WG2296518
n-Butylbenzene	U		0.153	0.500	1	06/01/2024 03:46	WG2296518
sec-Butylbenzene	U		0.101	0.500	1	06/01/2024 03:46	WG2296518
tert-Butylbenzene	U		0.0620	0.200	1	06/01/2024 03:46	WG2296518
Carbon disulfide	U		0.162	0.500	1	06/01/2024 03:46	WG2296518
Carbon tetrachloride	U		0.0432	0.200	1	06/01/2024 03:46	WG2296518
Chlorobenzene	U		0.0229	0.100	1	06/01/2024 03:46	WG2296518
Chlorodibromomethane	U		0.0180	0.100	1	06/01/2024 03:46	WG2296518
Chloroethane	U		0.0432	0.200	1	06/01/2024 03:46	WG2296518
Chloroform	U		0.0166	0.100	1	06/01/2024 03:46	WG2296518
Chloromethane	U		0.0556	0.500	1	06/01/2024 03:46	WG2296518
2-Chlorotoluene	U		0.0368	0.100	1	06/01/2024 03:46	WG2296518
4-Chlorotoluene	U		0.0452	0.200	1	06/01/2024 03:46	WG2296518
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/01/2024 03:46	WG2296518
1,2-Dibromoethane	U		0.0210	0.100	1	06/01/2024 03:46	WG2296518
Dibromomethane	U		0.0400	0.200	1	06/01/2024 03:46	WG2296518
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/01/2024 03:46	WG2296518
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/01/2024 03:46	WG2296518
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/01/2024 03:46	WG2296518
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/01/2024 03:46	WG2296518
Dichlorodifluoromethane	U		0.0327	0.200	1	06/01/2024 03:46	WG2296518
1,1-Dichloroethane	U		0.0230	0.100	1	06/01/2024 03:46	WG2296518
1,2-Dichloroethane	U		0.0190	0.100	1	06/01/2024 03:46	WG2296518
1,1-Dichloroethene	U		0.0200	0.100	1	06/01/2024 03:46	WG2296518
cis-1,2-Dichloroethene	1.45		0.0276	0.100	1	06/01/2024 03:46	WG2296518
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/01/2024 03:46	WG2296518
1,2-Dichloropropane	U		0.0508	0.200	1	06/01/2024 03:46	WG2296518
1,1-Dichloropropene	U		0.0280	0.100	1	06/01/2024 03:46	WG2296518
1,3-Dichloropropane	U		0.0700	0.200	1	06/01/2024 03:46	WG2296518
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/01/2024 03:46	WG2296518
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/01/2024 03:46	WG2296518
2,2-Dichloropropane	U		0.0317	0.100	1	06/01/2024 03:46	WG2296518
Di-isopropyl ether	U		0.0140	0.0400	1	06/01/2024 03:46	WG2296518
Ethylbenzene	U		0.0212	0.100	1	06/01/2024 03:46	WG2296518
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	06/01/2024 03:46	WG2296518
2-Hexanone	U		0.400	1.00	1	06/01/2024 03:46	WG2296518
n-Hexane	U		0.0424	0.200	1	06/01/2024 03:46	WG2296518
Iodomethane	U		0.242	0.500	1	06/01/2024 03:46	WG2296518
Isopropylbenzene	U		0.0345	0.100	1	06/01/2024 03:46	WG2296518
p-Isopropyltoluene	U		0.0932	0.200	1	06/01/2024 03:46	WG2296518
2-Butanone (MEK)	U		0.500	1.00	1	06/01/2024 03:46	WG2296518
Methylene Chloride	U		0.265	1.00	1	06/01/2024 03:46	WG2296518
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/01/2024 03:46	WG2296518
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/01/2024 03:46	WG2296518
Naphthalene	U	UJ C3 J4	0.124	0.500	1	06/01/2024 03:46	WG2296518
n-Propylbenzene	U		0.0472	0.200	1	06/01/2024 03:46	WG2296518
Styrene	U		0.109	0.500	1	06/01/2024 03:46	WG2296518
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/01/2024 03:46	WG2296518
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/01/2024 03:46	WG2296518

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/16/2024

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/01/2024 03:46	WG2296518
Tetrachloroethene	U		0.0280	0.100	1	06/01/2024 03:46	WG2296518
Toluene	0.138	J	0.0500	0.200	1	06/01/2024 03:46	WG2296518
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	06/01/2024 03:46	WG2296518
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	06/01/2024 03:46	WG2296518
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/01/2024 03:46	WG2296518
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/01/2024 03:46	WG2296518
Trichloroethene	U		0.0160	0.0400	1	06/01/2024 03:46	WG2296518
Trichlorofluoromethane	U		0.0200	0.100	1	06/01/2024 03:46	WG2296518
1,2,3-Trichloropropane	U		0.204	0.500	1	06/01/2024 03:46	WG2296518
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/01/2024 03:46	WG2296518
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/01/2024 03:46	WG2296518
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/01/2024 03:46	WG2296518
Vinyl acetate	U		0.141	0.500	1	06/01/2024 03:46	WG2296518
Vinyl chloride	4.50		0.0273	0.100	1	06/01/2024 03:46	WG2296518
Xylenes, Total	U		0.191	0.260	1	06/01/2024 03:46	WG2296518
(S) Toluene-d8	100			75.0-131		06/01/2024 03:46	WG2296518
(S) 4-Bromofluorobenzene	98.2			67.0-138		06/01/2024 03:46	WG2296518
(S) 1,2-Dichloroethane-d4	102			70.0-130		06/01/2024 03:46	WG2296518

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	0.576	U	0.548	1.00	1	06/01/2024 04:05	WG2296518
Acrylonitrile	U		0.0760	0.500	1	06/01/2024 04:05	WG2296518
Benzene	19.8		0.0160	0.0400	1	06/01/2024 04:05	WG2296518
Bromobenzene	U		0.0420	0.500	1	06/01/2024 04:05	WG2296518
Bromochloromethane	U		0.0452	0.200	1	06/01/2024 04:05	WG2296518
Bromodichloromethane	U		0.0315	0.100	1	06/01/2024 04:05	WG2296518
Bromoform	U		0.239	1.00	1	06/01/2024 04:05	WG2296518
Bromomethane	U		0.148	0.500	1	06/01/2024 04:05	WG2296518
n-Butylbenzene	U		0.153	0.500	1	06/01/2024 04:05	WG2296518
sec-Butylbenzene	U		0.101	0.500	1	06/01/2024 04:05	WG2296518
tert-Butylbenzene	U		0.0620	0.200	1	06/01/2024 04:05	WG2296518
Carbon disulfide	U		0.162	0.500	1	06/01/2024 04:05	WG2296518
Carbon tetrachloride	U		0.0432	0.200	1	06/01/2024 04:05	WG2296518
Chlorobenzene	U		0.0229	0.100	1	06/01/2024 04:05	WG2296518
Chlorodibromomethane	U		0.0180	0.100	1	06/01/2024 04:05	WG2296518
Chloroethane	U		0.0432	0.200	1	06/01/2024 04:05	WG2296518
Chloroform	U		0.0166	0.100	1	06/01/2024 04:05	WG2296518
Chloromethane	U		0.0556	0.500	1	06/01/2024 04:05	WG2296518
2-Chlorotoluene	U		0.0368	0.100	1	06/01/2024 04:05	WG2296518
4-Chlorotoluene	U		0.0452	0.200	1	06/01/2024 04:05	WG2296518
1,2-Dibromo-3-Chloropropane	U	UJ	0.204	1.00	1	06/01/2024 04:05	WG2296518
1,2-Dibromoethane	U		0.0210	0.100	1	06/01/2024 04:05	WG2296518
Dibromomethane	U		0.0400	0.200	1	06/01/2024 04:05	WG2296518
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/01/2024 04:05	WG2296518
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/01/2024 04:05	WG2296518
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/01/2024 04:05	WG2296518
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/01/2024 04:05	WG2296518
Dichlorodifluoromethane	U		0.0327	0.200	1	06/01/2024 04:05	WG2296518
1,1-Dichloroethane	0.0630		0.0230	0.100	1	06/01/2024 04:05	WG2296518
1,2-Dichloroethane	U		0.0190	0.100	1	06/01/2024 04:05	WG2296518
1,1-Dichloroethene	0.0510		0.0200	0.100	1	06/01/2024 04:05	WG2296518
cis-1,2-Dichloroethene	17.7		0.0276	0.100	1	06/01/2024 04:05	WG2296518
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/01/2024 04:05	WG2296518
1,2-Dichloropropane	U		0.0508	0.200	1	06/01/2024 04:05	WG2296518
1,1-Dichloropropene	U		0.0280	0.100	1	06/01/2024 04:05	WG2296518
1,3-Dichloropropane	U		0.0700	0.200	1	06/01/2024 04:05	WG2296518
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/01/2024 04:05	WG2296518
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/01/2024 04:05	WG2296518
2,2-Dichloropropane	U		0.0317	0.100	1	06/01/2024 04:05	WG2296518
Di-isopropyl ether	0.447	J+	0.0140	0.0400	1	06/01/2024 04:05	WG2296518
Ethylbenzene	U		0.0212	0.100	1	06/01/2024 04:05	WG2296518
Hexachloro-1,3-butadiene	U	UJ	0.508	1.00	1	06/01/2024 04:05	WG2296518
2-Hexanone	U		0.400	1.00	1	06/01/2024 04:05	WG2296518
n-Hexane	U		0.0424	0.200	1	06/01/2024 04:05	WG2296518
Iodomethane	U		0.242	0.500	1	06/01/2024 04:05	WG2296518
Isopropylbenzene	U		0.0345	0.100	1	06/01/2024 04:05	WG2296518
p-Isopropyltoluene	U		0.0932	0.200	1	06/01/2024 04:05	WG2296518
2-Butanone (MEK)	U		0.500	1.00	1	06/01/2024 04:05	WG2296518
Methylene Chloride	U		0.265	1.00	1	06/01/2024 04:05	WG2296518
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/01/2024 04:05	WG2296518
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/01/2024 04:05	WG2296518
Naphthalene	U	UJ	0.124	0.500	1	06/01/2024 04:05	WG2296518
n-Propylbenzene	U		0.0472	0.200	1	06/01/2024 04:05	WG2296518
Styrene	U		0.109	0.500	1	06/01/2024 04:05	WG2296518
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/01/2024 04:05	WG2296518
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/01/2024 04:05	WG2296518

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/16/2024

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/01/2024 04:05	WG2296518
Tetrachloroethene	U		0.0280	0.100	1	06/01/2024 04:05	WG2296518
Toluene	U		0.0500	0.200	1	06/01/2024 04:05	WG2296518
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	06/01/2024 04:05	WG2296518
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	06/01/2024 04:05	WG2296518
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/01/2024 04:05	WG2296518
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/01/2024 04:05	WG2296518
Trichloroethene	U		0.0160	0.0400	1	06/01/2024 04:05	WG2296518
Trichlorofluoromethane	U		0.0200	0.100	1	06/01/2024 04:05	WG2296518
1,2,3-Trichloropropane	U		0.204	0.500	1	06/01/2024 04:05	WG2296518
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/01/2024 04:05	WG2296518
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/01/2024 04:05	WG2296518
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/01/2024 04:05	WG2296518
Vinyl acetate	U		0.141	0.500	1	06/01/2024 04:05	WG2296518
Vinyl chloride	44.8		0.0273	0.100	1	06/01/2024 04:05	WG2296518
Xylenes, Total	U		0.191	0.260	1	06/01/2024 04:05	WG2296518
(S) Toluene-d8	105			75.0-131		06/01/2024 04:05	WG2296518
(S) 4-Bromofluorobenzene	98.9			67.0-138		06/01/2024 04:05	WG2296518
(S) 1,2-Dichloroethane-d4	101			70.0-130		06/01/2024 04:05	WG2296518

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/16/2024

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U		0.548	1.00	1	06/01/2024 04:24	WG2296518	
Acrylonitrile	U		0.0760	0.500	1	06/01/2024 04:24	WG2296518	
Benzene	1.40		0.0160	0.0400	1	06/01/2024 04:24	WG2296518	
Bromobenzene	U		0.0420	0.500	1	06/01/2024 04:24	WG2296518	
Bromochloromethane	U		0.0452	0.200	1	06/01/2024 04:24	WG2296518	
Bromodichloromethane	U		0.0315	0.100	1	06/01/2024 04:24	WG2296518	
Bromoform	U		0.239	1.00	1	06/01/2024 04:24	WG2296518	
Bromomethane	U		0.148	0.500	1	06/01/2024 04:24	WG2296518	
n-Butylbenzene	U		0.153	0.500	1	06/01/2024 04:24	WG2296518	
sec-Butylbenzene	U		0.101	0.500	1	06/01/2024 04:24	WG2296518	
tert-Butylbenzene	U		0.0620	0.200	1	06/01/2024 04:24	WG2296518	
Carbon disulfide	U		0.162	0.500	1	06/01/2024 04:24	WG2296518	
Carbon tetrachloride	U		0.0432	0.200	1	06/01/2024 04:24	WG2296518	
Chlorobenzene	U		0.0229	0.100	1	06/01/2024 04:24	WG2296518	
Chlorodibromomethane	U		0.0180	0.100	1	06/01/2024 04:24	WG2296518	
Chloroethane	U		0.0432	0.200	1	06/01/2024 04:24	WG2296518	
Chloroform	U		0.0166	0.100	1	06/01/2024 04:24	WG2296518	
Chloromethane	U		0.0556	0.500	1	06/01/2024 04:24	WG2296518	
2-Chlorotoluene	U		0.0368	0.100	1	06/01/2024 04:24	WG2296518	
4-Chlorotoluene	U		0.0452	0.200	1	06/01/2024 04:24	WG2296518	
1,2-Dibromo-3-Chloropropane	U	UJ	C3	0.204	1.00	1	06/01/2024 04:24	WG2296518
1,2-Dibromoethane	U		0.0210	0.100	1	06/01/2024 04:24	WG2296518	
Dibromomethane	U		0.0400	0.200	1	06/01/2024 04:24	WG2296518	
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/01/2024 04:24	WG2296518	
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/01/2024 04:24	WG2296518	
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/01/2024 04:24	WG2296518	
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/01/2024 04:24	WG2296518	
Dichlorodifluoromethane	U		0.0327	0.200	1	06/01/2024 04:24	WG2296518	
1,1-Dichloroethane	U		0.0230	0.100	1	06/01/2024 04:24	WG2296518	
1,2-Dichloroethane	U		0.0190	0.100	1	06/01/2024 04:24	WG2296518	
1,1-Dichloroethene	U		0.0200	0.100	1	06/01/2024 04:24	WG2296518	
cis-1,2-Dichloroethene	0.152		0.0276	0.100	1	06/01/2024 04:24	WG2296518	
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/01/2024 04:24	WG2296518	
1,2-Dichloropropane	U		0.0508	0.200	1	06/01/2024 04:24	WG2296518	
1,1-Dichloropropene	U		0.0280	0.100	1	06/01/2024 04:24	WG2296518	
1,3-Dichloropropane	U		0.0700	0.200	1	06/01/2024 04:24	WG2296518	
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/01/2024 04:24	WG2296518	
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/01/2024 04:24	WG2296518	
2,2-Dichloropropane	U		0.0317	0.100	1	06/01/2024 04:24	WG2296518	
Di-isopropyl ether	0.0360	J		0.0140	0.0400	1	06/01/2024 04:24	WG2296518
Ethylbenzene	U		0.0212	0.100	1	06/01/2024 04:24	WG2296518	
Hexachloro-1,3-butadiene	U	UJ	C3	0.508	1.00	1	06/01/2024 04:24	WG2296518
2-Hexanone	U		0.400	1.00	1	06/01/2024 04:24	WG2296518	
n-Hexane	U		0.0424	0.200	1	06/01/2024 04:24	WG2296518	
Iodomethane	U		0.242	0.500	1	06/01/2024 04:24	WG2296518	
Isopropylbenzene	U		0.0345	0.100	1	06/01/2024 04:24	WG2296518	
p-Isopropyltoluene	U		0.0932	0.200	1	06/01/2024 04:24	WG2296518	
2-Butanone (MEK)	U		0.500	1.00	1	06/01/2024 04:24	WG2296518	
Methylene Chloride	U		0.265	1.00	1	06/01/2024 04:24	WG2296518	
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/01/2024 04:24	WG2296518	
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/01/2024 04:24	WG2296518	
Naphthalene	U	UJ	C3 J4	0.124	0.500	1	06/01/2024 04:24	WG2296518
n-Propylbenzene	U		0.0472	0.200	1	06/01/2024 04:24	WG2296518	
Styrene	U		0.109	0.500	1	06/01/2024 04:24	WG2296518	
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/01/2024 04:24	WG2296518	
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/01/2024 04:24	WG2296518	

JC 7/16/2024

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/16/2024

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/01/2024 04:24	WG2296518
Tetrachloroethene	U		0.0280	0.100	1	06/01/2024 04:24	WG2296518
Toluene	U		0.0500	0.200	1	06/01/2024 04:24	WG2296518
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	06/01/2024 04:24	WG2296518
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	06/01/2024 04:24	WG2296518
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/01/2024 04:24	WG2296518
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/01/2024 04:24	WG2296518
Trichloroethene	U		0.0160	0.0400	1	06/01/2024 04:24	WG2296518
Trichlorofluoromethane	U		0.0200	0.100	1	06/01/2024 04:24	WG2296518
1,2,3-Trichloropropane	U		0.204	0.500	1	06/01/2024 04:24	WG2296518
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/01/2024 04:24	WG2296518
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/01/2024 04:24	WG2296518
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/01/2024 04:24	WG2296518
Vinyl acetate	U		0.141	0.500	1	06/01/2024 04:24	WG2296518
Vinyl chloride	0.661		0.0273	0.100	1	06/01/2024 04:24	WG2296518
Xylenes, Total	U		0.191	0.260	1	06/01/2024 04:24	WG2296518
(S) Toluene-d8	102			75.0-131		06/01/2024 04:24	WG2296518
(S) 4-Bromofluorobenzene	98.6			67.0-138		06/01/2024 04:24	WG2296518
(S) 1,2-Dichloroethane-d4	105			70.0-130		06/01/2024 04:24	WG2296518

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/16/2024

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	0.887	U	0.548	1.00	1	06/01/2024 04:43	WG2296518
Acrylonitrile	U		0.0760	0.500	1	06/01/2024 04:43	WG2296518
Benzene	U		0.0160	0.0400	1	06/01/2024 04:43	WG2296518
Bromobenzene	U		0.0420	0.500	1	06/01/2024 04:43	WG2296518
Bromochloromethane	U		0.0452	0.200	1	06/01/2024 04:43	WG2296518
Bromodichloromethane	U		0.0315	0.100	1	06/01/2024 04:43	WG2296518
Bromoform	U		0.239	1.00	1	06/01/2024 04:43	WG2296518
Bromomethane	U		0.148	0.500	1	06/01/2024 04:43	WG2296518
n-Butylbenzene	U		0.153	0.500	1	06/01/2024 04:43	WG2296518
sec-Butylbenzene	U		0.101	0.500	1	06/01/2024 04:43	WG2296518
tert-Butylbenzene	U		0.0620	0.200	1	06/01/2024 04:43	WG2296518
Carbon disulfide	U		0.162	0.500	1	06/01/2024 04:43	WG2296518
Carbon tetrachloride	U		0.0432	0.200	1	06/01/2024 04:43	WG2296518
Chlorobenzene	U		0.0229	0.100	1	06/01/2024 04:43	WG2296518
Chlorodibromomethane	U		0.0180	0.100	1	06/01/2024 04:43	WG2296518
Chloroethane	U		0.0432	0.200	1	06/01/2024 04:43	WG2296518
Chloroform	U		0.0166	0.100	1	06/01/2024 04:43	WG2296518
Chloromethane	U		0.0556	0.500	1	06/01/2024 04:43	WG2296518
2-Chlorotoluene	U		0.0368	0.100	1	06/01/2024 04:43	WG2296518
4-Chlorotoluene	U		0.0452	0.200	1	06/01/2024 04:43	WG2296518
1,2-Dibromo-3-Chloropropane	U	UJ	0.204	1.00	1	06/01/2024 04:43	WG2296518
1,2-Dibromoethane	U		0.0210	0.100	1	06/01/2024 04:43	WG2296518
Dibromomethane	U		0.0400	0.200	1	06/01/2024 04:43	WG2296518
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/01/2024 04:43	WG2296518
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/01/2024 04:43	WG2296518
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/01/2024 04:43	WG2296518
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/01/2024 04:43	WG2296518
Dichlorodifluoromethane	U		0.0327	0.200	1	06/01/2024 04:43	WG2296518
1,1-Dichloroethane	U		0.0230	0.100	1	06/01/2024 04:43	WG2296518
1,2-Dichloroethane	U		0.0190	0.100	1	06/01/2024 04:43	WG2296518
1,1-Dichloroethene	U		0.0200	0.100	1	06/01/2024 04:43	WG2296518
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/01/2024 04:43	WG2296518
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/01/2024 04:43	WG2296518
1,2-Dichloropropane	U		0.0508	0.200	1	06/01/2024 04:43	WG2296518
1,1-Dichloropropene	U		0.0280	0.100	1	06/01/2024 04:43	WG2296518
1,3-Dichloropropane	U		0.0700	0.200	1	06/01/2024 04:43	WG2296518
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/01/2024 04:43	WG2296518
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/01/2024 04:43	WG2296518
2,2-Dichloropropane	U		0.0317	0.100	1	06/01/2024 04:43	WG2296518
Di-isopropyl ether	U		0.0140	0.0400	1	06/01/2024 04:43	WG2296518
Ethylbenzene	U		0.0212	0.100	1	06/01/2024 04:43	WG2296518
Hexachloro-1,3-butadiene	U	UJ	0.508	1.00	1	06/01/2024 04:43	WG2296518
2-Hexanone	U		0.400	1.00	1	06/01/2024 04:43	WG2296518
n-Hexane	U		0.0424	0.200	1	06/01/2024 04:43	WG2296518
Iodomethane	U		0.242	0.500	1	06/01/2024 04:43	WG2296518
Isopropylbenzene	U		0.0345	0.100	1	06/01/2024 04:43	WG2296518
p-Isopropyltoluene	U		0.0932	0.200	1	06/01/2024 04:43	WG2296518
2-Butanone (MEK)	U		0.500	1.00	1	06/01/2024 04:43	WG2296518
Methylene Chloride	U		0.265	1.00	1	06/01/2024 04:43	WG2296518
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/01/2024 04:43	WG2296518
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/01/2024 04:43	WG2296518
Naphthalene	U	UJ	0.124	0.500	1	06/01/2024 04:43	WG2296518
n-Propylbenzene	U		0.0472	0.200	1	06/01/2024 04:43	WG2296518
Styrene	U		0.109	0.500	1	06/01/2024 04:43	WG2296518
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/01/2024 04:43	WG2296518
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/01/2024 04:43	WG2296518

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

JC 7/16/2024

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/01/2024 04:43	WG2296518
Tetrachloroethene	U		0.0280	0.100	1	06/01/2024 04:43	WG2296518
Toluene	U		0.0500	0.200	1	06/01/2024 04:43	WG2296518
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	06/01/2024 04:43	WG2296518
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	06/01/2024 04:43	WG2296518
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/01/2024 04:43	WG2296518
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/01/2024 04:43	WG2296518
Trichloroethene	U		0.0160	0.0400	1	06/01/2024 04:43	WG2296518
Trichlorofluoromethane	U		0.0200	0.100	1	06/01/2024 04:43	WG2296518
1,2,3-Trichloropropane	U		0.204	0.500	1	06/01/2024 04:43	WG2296518
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/01/2024 04:43	WG2296518
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/01/2024 04:43	WG2296518
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/01/2024 04:43	WG2296518
Vinyl acetate	U		0.141	0.500	1	06/01/2024 04:43	WG2296518
Vinyl chloride	U		0.0273	0.100	1	06/01/2024 04:43	WG2296518
Xylenes, Total	U		0.191	0.260	1	06/01/2024 04:43	WG2296518
(S) Toluene-d8	101			75.0-131		06/01/2024 04:43	WG2296518
(S) 4-Bromofluorobenzene	96.7			67.0-138		06/01/2024 04:43	WG2296518
(S) 1,2-Dichloroethane-d4	107			70.0-130		06/01/2024 04:43	WG2296518

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/16/2024

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/01/2024 05:02	WG2296518
Acrylonitrile	U		0.0760	0.500	1	06/01/2024 05:02	WG2296518
Benzene	U		0.0160	0.0400	1	06/01/2024 05:02	WG2296518
Bromobenzene	U		0.0420	0.500	1	06/01/2024 05:02	WG2296518
Bromochloromethane	U		0.0452	0.200	1	06/01/2024 05:02	WG2296518
Bromodichloromethane	U		0.0315	0.100	1	06/01/2024 05:02	WG2296518
Bromoform	U		0.239	1.00	1	06/01/2024 05:02	WG2296518
Bromomethane	U		0.148	0.500	1	06/01/2024 05:02	WG2296518
n-Butylbenzene	U		0.153	0.500	1	06/01/2024 05:02	WG2296518
sec-Butylbenzene	U		0.101	0.500	1	06/01/2024 05:02	WG2296518
tert-Butylbenzene	U		0.0620	0.200	1	06/01/2024 05:02	WG2296518
Carbon disulfide	U		0.162	0.500	1	06/01/2024 05:02	WG2296518
Carbon tetrachloride	U		0.0432	0.200	1	06/01/2024 05:02	WG2296518
Chlorobenzene	U		0.0229	0.100	1	06/01/2024 05:02	WG2296518
Chlorodibromomethane	U		0.0180	0.100	1	06/01/2024 05:02	WG2296518
Chloroethane	U		0.0432	0.200	1	06/01/2024 05:02	WG2296518
Chloroform	U		0.0166	0.100	1	06/01/2024 05:02	WG2296518
Chloromethane	U		0.0556	0.500	1	06/01/2024 05:02	WG2296518
2-Chlorotoluene	U		0.0368	0.100	1	06/01/2024 05:02	WG2296518
4-Chlorotoluene	U		0.0452	0.200	1	06/01/2024 05:02	WG2296518
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/01/2024 05:02	WG2296518
1,2-Dibromoethane	U		0.0210	0.100	1	06/01/2024 05:02	WG2296518
Dibromomethane	U		0.0400	0.200	1	06/01/2024 05:02	WG2296518
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/01/2024 05:02	WG2296518
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/01/2024 05:02	WG2296518
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/01/2024 05:02	WG2296518
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/01/2024 05:02	WG2296518
Dichlorodifluoromethane	U		0.0327	0.200	1	06/01/2024 05:02	WG2296518
1,1-Dichloroethane	U		0.0230	0.100	1	06/01/2024 05:02	WG2296518
1,2-Dichloroethane	U		0.0190	0.100	1	06/01/2024 05:02	WG2296518
1,1-Dichloroethene	U		0.0200	0.100	1	06/01/2024 05:02	WG2296518
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/01/2024 05:02	WG2296518
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/01/2024 05:02	WG2296518
1,2-Dichloropropane	U		0.0508	0.200	1	06/01/2024 05:02	WG2296518
1,1-Dichloropropene	U		0.0280	0.100	1	06/01/2024 05:02	WG2296518
1,3-Dichloropropane	U		0.0700	0.200	1	06/01/2024 05:02	WG2296518
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/01/2024 05:02	WG2296518
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/01/2024 05:02	WG2296518
2,2-Dichloropropane	U		0.0317	0.100	1	06/01/2024 05:02	WG2296518
Di-isopropyl ether	0.0620	J+ C5	0.0140	0.0400	1	06/01/2024 05:02	WG2296518
Ethylbenzene	U		0.0212	0.100	1	06/01/2024 05:02	WG2296518
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	06/01/2024 05:02	WG2296518
2-Hexanone	U		0.400	1.00	1	06/01/2024 05:02	WG2296518
n-Hexane	U		0.0424	0.200	1	06/01/2024 05:02	WG2296518
Iodomethane	U		0.242	0.500	1	06/01/2024 05:02	WG2296518
Isopropylbenzene	U		0.0345	0.100	1	06/01/2024 05:02	WG2296518
p-Isopropyltoluene	U		0.0932	0.200	1	06/01/2024 05:02	WG2296518
2-Butanone (MEK)	U		0.500	1.00	1	06/01/2024 05:02	WG2296518
Methylene Chloride	U		0.265	1.00	1	06/01/2024 05:02	WG2296518
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/01/2024 05:02	WG2296518
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/01/2024 05:02	WG2296518
Naphthalene	U	UJ C3 J4	0.124	0.500	1	06/01/2024 05:02	WG2296518
n-Propylbenzene	U		0.0472	0.200	1	06/01/2024 05:02	WG2296518
Styrene	U		0.109	0.500	1	06/01/2024 05:02	WG2296518
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/01/2024 05:02	WG2296518
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/01/2024 05:02	WG2296518

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/16/2024

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/01/2024 05:02	WG2296518
Tetrachloroethene	U		0.0280	0.100	1	06/01/2024 05:02	WG2296518
Toluene	U		0.0500	0.200	1	06/01/2024 05:02	WG2296518
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	06/01/2024 05:02	WG2296518
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	06/01/2024 05:02	WG2296518
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/01/2024 05:02	WG2296518
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/01/2024 05:02	WG2296518
Trichloroethene	U		0.0160	0.0400	1	06/01/2024 05:02	WG2296518
Trichlorofluoromethane	U		0.0200	0.100	1	06/01/2024 05:02	WG2296518
1,2,3-Trichloropropane	U		0.204	0.500	1	06/01/2024 05:02	WG2296518
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/01/2024 05:02	WG2296518
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/01/2024 05:02	WG2296518
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/01/2024 05:02	WG2296518
Vinyl acetate	U		0.141	0.500	1	06/01/2024 05:02	WG2296518
Vinyl chloride	U		0.0273	0.100	1	06/01/2024 05:02	WG2296518
Xylenes, Total	U		0.191	0.260	1	06/01/2024 05:02	WG2296518
(S) Toluene-d8	102			75.0-131		06/01/2024 05:02	WG2296518
(S) 4-Bromofluorobenzene	99.5			67.0-138		06/01/2024 05:02	WG2296518
(S) 1,2-Dichloroethane-d4	99.7			70.0-130		06/01/2024 05:02	WG2296518

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	1460	J	594	5000	1	06/15/2024 12:28	WG2304407

1
Cp

2
Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	796	J	102	1000	1	06/13/2024 13:12	WG2303844

3
Ss

4
Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	6080		28.1	100	1	07/11/2024 00:49	WG2297670
Manganese	706		0.704	5.00	1	07/11/2024 00:49	WG2297670

5
Sr

6
Qc

7
Gl

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	24900		2.87	6.78	10	06/02/2024 16:51	WG2297153
Ethane	481		0.296	1.29	1	06/02/2024 15:54	WG2296667
Ethene	856		0.422	1.27	1	06/02/2024 15:54	WG2296667

8
Al

9
Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		110	200	200	06/01/2024 07:34	WG2296518
Acrylonitrile	U		15.2	100	200	06/01/2024 07:34	WG2296518
Benzene	U		3.20	8.00	200	06/01/2024 07:34	WG2296518
Bromobenzene	U		8.40	100	200	06/01/2024 07:34	WG2296518
Bromochloromethane	U		9.04	40.0	200	06/01/2024 07:34	WG2296518
Bromodichloromethane	U		6.30	20.0	200	06/01/2024 07:34	WG2296518
Bromoform	U		47.8	200	200	06/01/2024 07:34	WG2296518
Bromomethane	U		29.6	100	200	06/01/2024 07:34	WG2296518
n-Butylbenzene	U		30.6	100	200	06/01/2024 07:34	WG2296518
sec-Butylbenzene	U		20.2	100	200	06/01/2024 07:34	WG2296518
tert-Butylbenzene	U		12.4	40.0	200	06/01/2024 07:34	WG2296518
Carbon disulfide	U		32.4	100	200	06/01/2024 07:34	WG2296518
Carbon tetrachloride	U		8.64	40.0	200	06/01/2024 07:34	WG2296518
Chlorobenzene	U		4.58	20.0	200	06/01/2024 07:34	WG2296518
Chlorodibromomethane	U		3.60	20.0	200	06/01/2024 07:34	WG2296518
Chloroethane	U		8.64	40.0	200	06/01/2024 07:34	WG2296518
Chloroform	U		3.32	20.0	200	06/01/2024 07:34	WG2296518
Chloromethane	U		11.1	100	200	06/01/2024 07:34	WG2296518
2-Chlorotoluene	U		7.36	20.0	200	06/01/2024 07:34	WG2296518
4-Chlorotoluene	U		9.04	40.0	200	06/01/2024 07:34	WG2296518
1,2-Dibromo-3-Chloropropane	U	UJ C3	40.8	200	200	06/01/2024 07:34	WG2296518
1,2-Dibromoethane	U		4.20	20.0	200	06/01/2024 07:34	WG2296518
Dibromomethane	U		8.00	40.0	200	06/01/2024 07:34	WG2296518
1,2-Dichlorobenzene	U		11.6	40.0	200	06/01/2024 07:34	WG2296518
1,3-Dichlorobenzene	U		13.6	40.0	200	06/01/2024 07:34	WG2296518
1,4-Dichlorobenzene	U		15.8	40.0	200	06/01/2024 07:34	WG2296518
trans-1,4-Dichloro-2-butene	U		11.2	40.0	200	06/01/2024 07:34	WG2296518
Dichlorodifluoromethane	U		6.54	40.0	200	06/01/2024 07:34	WG2296518
1,1-Dichloroethane	U		4.60	20.0	200	06/01/2024 07:34	WG2296518
1,2-Dichloroethane	U		3.80	20.0	200	06/01/2024 07:34	WG2296518
1,1-Dichloroethene	8.80	J	4.00	20.0	200	06/01/2024 07:34	WG2296518

JC 7/16/2024

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	1900		5.52	20.0	200	06/01/2024 07:34	WG2296518
trans-1,2-Dichloroethene	U		11.4	40.0	200	06/01/2024 07:34	WG2296518
1,2-Dichloropropane	U		10.2	40.0	200	06/01/2024 07:34	WG2296518
1,1-Dichloropropene	U		5.60	20.0	200	06/01/2024 07:34	WG2296518
1,3-Dichloropropane	U		14.0	40.0	200	06/01/2024 07:34	WG2296518
cis-1,3-Dichloropropene	U		5.42	20.0	200	06/01/2024 07:34	WG2296518
trans-1,3-Dichloropropene	U		12.2	40.0	200	06/01/2024 07:34	WG2296518
2,2-Dichloropropane	U		6.34	20.0	200	06/01/2024 07:34	WG2296518
Di-isopropyl ether	U		2.80	8.00	200	06/01/2024 07:34	WG2296518
Ethylbenzene	U		4.24	20.0	200	06/01/2024 07:34	WG2296518
Hexachloro-1,3-butadiene	U	UJ C3	102	200	200	06/01/2024 07:34	WG2296518
2-Hexanone	U		80.0	200	200	06/01/2024 07:34	WG2296518
n-Hexane	U		8.48	40.0	200	06/01/2024 07:34	WG2296518
Iodomethane	U		48.4	100	200	06/01/2024 07:34	WG2296518
Isopropylbenzene	U		6.90	20.0	200	06/01/2024 07:34	WG2296518
p-Isopropyltoluene	U		18.6	40.0	200	06/01/2024 07:34	WG2296518
2-Butanone (MEK)	U		100	200	200	06/01/2024 07:34	WG2296518
Methylene Chloride	U		53.0	200	200	06/01/2024 07:34	WG2296518
4-Methyl-2-pentanone (MIBK)	U		80.0	200	200	06/01/2024 07:34	WG2296518
Methyl tert-butyl ether	U		2.36	8.00	200	06/01/2024 07:34	WG2296518
Naphthalene	U	UJ C3 J4	24.8	100	200	06/01/2024 07:34	WG2296518
n-Propylbenzene	U		9.44	40.0	200	06/01/2024 07:34	WG2296518
Styrene	U		21.8	100	200	06/01/2024 07:34	WG2296518
1,1,1,2-Tetrachloroethane	U		4.00	20.0	200	06/01/2024 07:34	WG2296518
1,1,2,2-Tetrachloroethane	U		3.12	20.0	200	06/01/2024 07:34	WG2296518
1,1,2-Trichlorotrifluoroethane	U		5.40	20.0	200	06/01/2024 07:34	WG2296518
Tetrachloroethene	1090	J+ C5	5.60	20.0	200	06/01/2024 07:34	WG2296518
Toluene	U		10.0	40.0	200	06/01/2024 07:34	WG2296518
1,2,3-Trichlorobenzene	U	UJ C3 J4	5.00	100	200	06/01/2024 07:34	WG2296518
1,2,4-Trichlorobenzene	U	UJ C3 J4	38.6	100	200	06/01/2024 07:34	WG2296518
1,1,1-Trichloroethane	U		2.20	20.0	200	06/01/2024 07:34	WG2296518
1,1,2-Trichloroethane	U		7.06	20.0	200	06/01/2024 07:34	WG2296518
Trichloroethene	319		3.20	8.00	200	06/01/2024 07:34	WG2296518
Trichlorofluoromethane	U		4.00	20.0	200	06/01/2024 07:34	WG2296518
1,2,3-Trichloropropane	U		40.8	100	200	06/01/2024 07:34	WG2296518
1,2,4-Trimethylbenzene	U		9.28	40.0	200	06/01/2024 07:34	WG2296518
1,2,3-Trimethylbenzene	U		9.20	40.0	200	06/01/2024 07:34	WG2296518
1,3,5-Trimethylbenzene	U		8.64	40.0	200	06/01/2024 07:34	WG2296518
Vinyl acetate	U		28.2	100	200	06/01/2024 07:34	WG2296518
Vinyl chloride	1090		5.46	20.0	200	06/01/2024 07:34	WG2296518
Xylenes, Total	U		38.2	52.0	200	06/01/2024 07:34	WG2296518
(S) Toluene-d8	102			75.0-131		06/01/2024 07:34	WG2296518
(S) 4-Bromofluorobenzene	96.7			67.0-138		06/01/2024 07:34	WG2296518
(S) 1,2-Dichloroethane-d4	101			70.0-130		06/01/2024 07:34	WG2296518



JC 7/16/2024

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/01/2024 05:21	WG2296518
Acrylonitrile	U		0.0760	0.500	1	06/01/2024 05:21	WG2296518
Benzene	U		0.0160	0.0400	1	06/01/2024 05:21	WG2296518
Bromobenzene	U		0.0420	0.500	1	06/01/2024 05:21	WG2296518
Bromochloromethane	U		0.0452	0.200	1	06/01/2024 05:21	WG2296518
Bromodichloromethane	U		0.0315	0.100	1	06/01/2024 05:21	WG2296518
Bromoform	U		0.239	1.00	1	06/01/2024 05:21	WG2296518
Bromomethane	U		0.148	0.500	1	06/01/2024 05:21	WG2296518
n-Butylbenzene	U		0.153	0.500	1	06/01/2024 05:21	WG2296518
sec-Butylbenzene	U		0.101	0.500	1	06/01/2024 05:21	WG2296518
tert-Butylbenzene	U		0.0620	0.200	1	06/01/2024 05:21	WG2296518
Carbon disulfide	U		0.162	0.500	1	06/01/2024 05:21	WG2296518
Carbon tetrachloride	U		0.0432	0.200	1	06/01/2024 05:21	WG2296518
Chlorobenzene	U		0.0229	0.100	1	06/01/2024 05:21	WG2296518
Chlorodibromomethane	U		0.0180	0.100	1	06/01/2024 05:21	WG2296518
Chloroethane	U		0.0432	0.200	1	06/01/2024 05:21	WG2296518
Chloroform	U		0.0166	0.100	1	06/01/2024 05:21	WG2296518
Chloromethane	U		0.0556	0.500	1	06/01/2024 05:21	WG2296518
2-Chlorotoluene	U		0.0368	0.100	1	06/01/2024 05:21	WG2296518
4-Chlorotoluene	U		0.0452	0.200	1	06/01/2024 05:21	WG2296518
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/01/2024 05:21	WG2296518
1,2-Dibromoethane	U		0.0210	0.100	1	06/01/2024 05:21	WG2296518
Dibromomethane	U		0.0400	0.200	1	06/01/2024 05:21	WG2296518
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/01/2024 05:21	WG2296518
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/01/2024 05:21	WG2296518
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/01/2024 05:21	WG2296518
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/01/2024 05:21	WG2296518
Dichlorodifluoromethane	U		0.0327	0.200	1	06/01/2024 05:21	WG2296518
1,1-Dichloroethane	U		0.0230	0.100	1	06/01/2024 05:21	WG2296518
1,2-Dichloroethane	U		0.0190	0.100	1	06/01/2024 05:21	WG2296518
1,1-Dichloroethene	U		0.0200	0.100	1	06/01/2024 05:21	WG2296518
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/01/2024 05:21	WG2296518
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/01/2024 05:21	WG2296518
1,2-Dichloropropane	U		0.0508	0.200	1	06/01/2024 05:21	WG2296518
1,1-Dichloropropene	U		0.0280	0.100	1	06/01/2024 05:21	WG2296518
1,3-Dichloropropane	U		0.0700	0.200	1	06/01/2024 05:21	WG2296518
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/01/2024 05:21	WG2296518
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/01/2024 05:21	WG2296518
2,2-Dichloropropane	U		0.0317	0.100	1	06/01/2024 05:21	WG2296518
Di-isopropyl ether	U		0.0140	0.0400	1	06/01/2024 05:21	WG2296518
Ethylbenzene	U		0.0212	0.100	1	06/01/2024 05:21	WG2296518
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	06/01/2024 05:21	WG2296518
2-Hexanone	U		0.400	1.00	1	06/01/2024 05:21	WG2296518
n-Hexane	U		0.0424	0.200	1	06/01/2024 05:21	WG2296518
Iodomethane	U		0.242	0.500	1	06/01/2024 05:21	WG2296518
Isopropylbenzene	U		0.0345	0.100	1	06/01/2024 05:21	WG2296518
p-Isopropyltoluene	U		0.0932	0.200	1	06/01/2024 05:21	WG2296518
2-Butanone (MEK)	U		0.500	1.00	1	06/01/2024 05:21	WG2296518
Methylene Chloride	U		0.265	1.00	1	06/01/2024 05:21	WG2296518
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/01/2024 05:21	WG2296518
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/01/2024 05:21	WG2296518
Naphthalene	U	UJ C3 J4	0.124	0.500	1	06/01/2024 05:21	WG2296518
n-Propylbenzene	U		0.0472	0.200	1	06/01/2024 05:21	WG2296518
Styrene	U		0.109	0.500	1	06/01/2024 05:21	WG2296518
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/01/2024 05:21	WG2296518
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/01/2024 05:21	WG2296518

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/16/2024

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/01/2024 05:21	WG2296518
Tetrachloroethene	U		0.0280	0.100	1	06/01/2024 05:21	WG2296518
Toluene	U		0.0500	0.200	1	06/01/2024 05:21	WG2296518
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	06/01/2024 05:21	WG2296518
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	06/01/2024 05:21	WG2296518
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/01/2024 05:21	WG2296518
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/01/2024 05:21	WG2296518
Trichloroethene	U		0.0160	0.0400	1	06/01/2024 05:21	WG2296518
Trichlorofluoromethane	U		0.0200	0.100	1	06/01/2024 05:21	WG2296518
1,2,3-Trichloropropane	U		0.204	0.500	1	06/01/2024 05:21	WG2296518
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/01/2024 05:21	WG2296518
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/01/2024 05:21	WG2296518
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/01/2024 05:21	WG2296518
Vinyl acetate	U		0.141	0.500	1	06/01/2024 05:21	WG2296518
Vinyl chloride	U		0.0273	0.100	1	06/01/2024 05:21	WG2296518
Xylenes, Total	U		0.191	0.260	1	06/01/2024 05:21	WG2296518
(S) Toluene-d8	99.7			75.0-131		06/01/2024 05:21	WG2296518
(S) 4-Bromofluorobenzene	98.2			67.0-138		06/01/2024 05:21	WG2296518
(S) 1,2-Dichloroethane-d4	100			70.0-130		06/01/2024 05:21	WG2296518

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/16/2024

GEI-2-052324

Collected date/time: 05/23/24 10:12

SAMPLE RESULTS - 15

L1740435

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	06/03/2024 05:00	WG2297173
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 05:00	WG2297173
Benzene	U		0.0160	0.0400	1	06/03/2024 05:00	WG2297173
Bromobenzene	U		0.0420	0.500	1	06/03/2024 05:00	WG2297173
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 05:00	WG2297173
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 05:00	WG2297173
Bromoform	U	UJ C3	0.239	1.00	1	06/03/2024 05:00	WG2297173
Bromomethane	U	UJ C3	0.148	0.500	1	06/03/2024 05:00	WG2297173
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 05:00	WG2297173
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 05:00	WG2297173
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 05:00	WG2297173
Carbon disulfide	U		0.162	0.500	1	06/03/2024 05:00	WG2297173
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 05:00	WG2297173
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 05:00	WG2297173
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 05:00	WG2297173
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 05:00	WG2297173
Chloroform	U		0.0166	0.100	1	06/03/2024 05:00	WG2297173
Chloromethane	U		0.0556	0.500	1	06/03/2024 05:00	WG2297173
2-Chlorotoluene	U	UJ C3	0.0368	0.100	1	06/03/2024 05:00	WG2297173
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 05:00	WG2297173
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 05:00	WG2297173
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 05:00	WG2297173
Dibromomethane	U		0.0400	0.200	1	06/03/2024 05:00	WG2297173
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 05:00	WG2297173
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 05:00	WG2297173
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 05:00	WG2297173
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2024 05:00	WG2297173
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 05:00	WG2297173
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 05:00	WG2297173
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 05:00	WG2297173
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 05:00	WG2297173
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/03/2024 05:00	WG2297173
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2024 05:00	WG2297173
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 05:00	WG2297173
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 05:00	WG2297173
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 05:00	WG2297173
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 05:00	WG2297173
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 05:00	WG2297173
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 05:00	WG2297173
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 05:00	WG2297173
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 05:00	WG2297173
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 05:00	WG2297173
2-Hexanone	U		0.400	1.00	1	06/03/2024 05:00	WG2297173
n-Hexane	U		0.0424	0.200	1	06/03/2024 05:00	WG2297173
Iodomethane	U	UJ C3	0.242	0.500	1	06/03/2024 05:00	WG2297173
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 05:00	WG2297173
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 05:00	WG2297173
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 05:00	WG2297173
Methylene Chloride	U		0.265	1.00	1	06/03/2024 05:00	WG2297173
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 05:00	WG2297173
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 05:00	WG2297173
Naphthalene	U		0.124	0.500	1	06/03/2024 05:00	WG2297173
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 05:00	WG2297173
Styrene	U		0.109	0.500	1	06/03/2024 05:00	WG2297173
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 05:00	WG2297173
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 05:00	WG2297173

JC 7/16/2024

ACCOUNT:

PES Environmental, Inc.- WA

PROJECT:

443022-1413001.10.70

SDG:

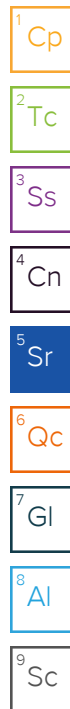
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PAGE:

35 of 66



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 05:00	WG2297173
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 05:00	WG2297173
Toluene	U		0.0500	0.200	1	06/03/2024 05:00	WG2297173
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 05:00	WG2297173
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 05:00	WG2297173
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 05:00	WG2297173
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 05:00	WG2297173
Trichloroethene	U		0.0160	0.0400	1	06/03/2024 05:00	WG2297173
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	06/03/2024 05:00	WG2297173
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 05:00	WG2297173
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 05:00	WG2297173
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 05:00	WG2297173
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 05:00	WG2297173
Vinyl acetate	U		0.141	0.500	1	06/03/2024 05:00	WG2297173
Vinyl chloride	U		0.0273	0.100	1	06/03/2024 05:00	WG2297173
Xylenes, Total	U		0.191	0.260	1	06/03/2024 05:00	WG2297173
(S) Toluene-d8	102			75.0-131		06/03/2024 05:00	WG2297173
(S) 4-Bromofluorobenzene	96.1			67.0-138		06/03/2024 05:00	WG2297173
(S) 1,2-Dichloroethane-d4	91.8			70.0-130		06/03/2024 05:00	WG2297173

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

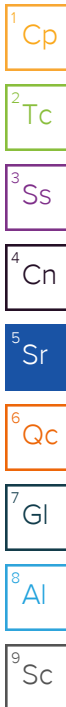
8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	06/03/2024 05:18	WG2297173
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 05:18	WG2297173
Benzene	U		0.0160	0.0400	1	06/03/2024 05:18	WG2297173
Bromobenzene	U		0.0420	0.500	1	06/03/2024 05:18	WG2297173
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 05:18	WG2297173
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 05:18	WG2297173
Bromoform	U	UJ C3	0.239	1.00	1	06/03/2024 05:18	WG2297173
Bromomethane	U	UJ C3	0.148	0.500	1	06/03/2024 05:18	WG2297173
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 05:18	WG2297173
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 05:18	WG2297173
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 05:18	WG2297173
Carbon disulfide	U		0.162	0.500	1	06/03/2024 05:18	WG2297173
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 05:18	WG2297173
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 05:18	WG2297173
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 05:18	WG2297173
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 05:18	WG2297173
Chloroform	U		0.0166	0.100	1	06/03/2024 05:18	WG2297173
Chloromethane	U		0.0556	0.500	1	06/03/2024 05:18	WG2297173
2-Chlorotoluene	U	UJ C3	0.0368	0.100	1	06/03/2024 05:18	WG2297173
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 05:18	WG2297173
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 05:18	WG2297173
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 05:18	WG2297173
Dibromomethane	U		0.0400	0.200	1	06/03/2024 05:18	WG2297173
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 05:18	WG2297173
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 05:18	WG2297173
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 05:18	WG2297173
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2024 05:18	WG2297173
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 05:18	WG2297173
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 05:18	WG2297173
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 05:18	WG2297173
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 05:18	WG2297173
cis-1,2-Dichloroethene	15.2		0.0276	0.100	1	06/03/2024 05:18	WG2297173
trans-1,2-Dichloroethene	0.201		0.0572	0.200	1	06/03/2024 05:18	WG2297173
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 05:18	WG2297173
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 05:18	WG2297173
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 05:18	WG2297173
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 05:18	WG2297173
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 05:18	WG2297173
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 05:18	WG2297173
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 05:18	WG2297173
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 05:18	WG2297173
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 05:18	WG2297173
2-Hexanone	U		0.400	1.00	1	06/03/2024 05:18	WG2297173
n-Hexane	U		0.0424	0.200	1	06/03/2024 05:18	WG2297173
Iodomethane	U	UJ C3	0.242	0.500	1	06/03/2024 05:18	WG2297173
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 05:18	WG2297173
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 05:18	WG2297173
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 05:18	WG2297173
Methylene Chloride	U		0.265	1.00	1	06/03/2024 05:18	WG2297173
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 05:18	WG2297173
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 05:18	WG2297173
Naphthalene	U		0.124	0.500	1	06/03/2024 05:18	WG2297173
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 05:18	WG2297173
Styrene	U		0.109	0.500	1	06/03/2024 05:18	WG2297173
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 05:18	WG2297173
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 05:18	WG2297173

JC 7/16/2024



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 05:18	WG2297173
Tetrachloroethene	2.41		0.0280	0.100	1	06/03/2024 05:18	WG2297173
Toluene	U		0.0500	0.200	1	06/03/2024 05:18	WG2297173
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 05:18	WG2297173
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 05:18	WG2297173
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 05:18	WG2297173
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 05:18	WG2297173
Trichloroethene	5.88		0.0160	0.0400	1	06/03/2024 05:18	WG2297173
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	06/03/2024 05:18	WG2297173
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 05:18	WG2297173
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 05:18	WG2297173
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 05:18	WG2297173
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 05:18	WG2297173
Vinyl acetate	U		0.141	0.500	1	06/03/2024 05:18	WG2297173
Vinyl chloride	U		0.0273	0.100	1	06/03/2024 05:18	WG2297173
Xylenes, Total	U		0.191	0.260	1	06/03/2024 05:18	WG2297173
(S) Toluene-d8	102			75.0-131		06/03/2024 05:18	WG2297173
(S) 4-Bromofluorobenzene	96.3			67.0-138		06/03/2024 05:18	WG2297173
(S) 1,2-Dichloroethane-d4	94.9			70.0-130		06/03/2024 05:18	WG2297173

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/03/2024 05:38	WG2297173
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 05:38	WG2297173
Benzene	10.9		0.0160	0.0400	1	06/03/2024 05:38	WG2297173
Bromobenzene	U		0.0420	0.500	1	06/03/2024 05:38	WG2297173
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 05:38	WG2297173
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 05:38	WG2297173
Bromoform	U	UJ C3	0.239	1.00	1	06/03/2024 05:38	WG2297173
Bromomethane	U	UJ C3	0.148	0.500	1	06/03/2024 05:38	WG2297173
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 05:38	WG2297173
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 05:38	WG2297173
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 05:38	WG2297173
Carbon disulfide	U		0.162	0.500	1	06/03/2024 05:38	WG2297173
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 05:38	WG2297173
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 05:38	WG2297173
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 05:38	WG2297173
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 05:38	WG2297173
Chloroform	U		0.0166	0.100	1	06/03/2024 05:38	WG2297173
Chloromethane	U		0.0556	0.500	1	06/03/2024 05:38	WG2297173
2-Chlorotoluene	U	UJ C3	0.0368	0.100	1	06/03/2024 05:38	WG2297173
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 05:38	WG2297173
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 05:38	WG2297173
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 05:38	WG2297173
Dibromomethane	U		0.0400	0.200	1	06/03/2024 05:38	WG2297173
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 05:38	WG2297173
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 05:38	WG2297173
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 05:38	WG2297173
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2024 05:38	WG2297173
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 05:38	WG2297173
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 05:38	WG2297173
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 05:38	WG2297173
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 05:38	WG2297173
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/03/2024 05:38	WG2297173
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2024 05:38	WG2297173
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 05:38	WG2297173
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 05:38	WG2297173
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 05:38	WG2297173
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 05:38	WG2297173
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 05:38	WG2297173
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 05:38	WG2297173
Di-isopropyl ether	0.216		0.0140	0.0400	1	06/03/2024 05:38	WG2297173
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 05:38	WG2297173
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 05:38	WG2297173
2-Hexanone	U		0.400	1.00	1	06/03/2024 05:38	WG2297173
n-Hexane	U		0.0424	0.200	1	06/03/2024 05:38	WG2297173
Iodomethane	U	UJ C3	0.242	0.500	1	06/03/2024 05:38	WG2297173
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 05:38	WG2297173
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 05:38	WG2297173
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 05:38	WG2297173
Methylene Chloride	U		0.265	1.00	1	06/03/2024 05:38	WG2297173
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 05:38	WG2297173
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 05:38	WG2297173
Naphthalene	U		0.124	0.500	1	06/03/2024 05:38	WG2297173
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 05:38	WG2297173
Styrene	U		0.109	0.500	1	06/03/2024 05:38	WG2297173
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 05:38	WG2297173
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 05:38	WG2297173

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/16/2024

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 05:38	WG2297173
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 05:38	WG2297173
Toluene	U		0.0500	0.200	1	06/03/2024 05:38	WG2297173
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 05:38	WG2297173
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 05:38	WG2297173
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 05:38	WG2297173
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 05:38	WG2297173
Trichloroethene	U		0.0160	0.0400	1	06/03/2024 05:38	WG2297173
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	06/03/2024 05:38	WG2297173
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 05:38	WG2297173
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 05:38	WG2297173
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 05:38	WG2297173
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 05:38	WG2297173
Vinyl acetate	U		0.141	0.500	1	06/03/2024 05:38	WG2297173
Vinyl chloride	1.02		0.0273	0.100	1	06/03/2024 05:38	WG2297173
Xylenes, Total	U		0.191	0.260	1	06/03/2024 05:38	WG2297173
(S) Toluene-d8	100			75.0-131		06/03/2024 05:38	WG2297173
(S) 4-Bromofluorobenzene	98.8			67.0-138		06/03/2024 05:38	WG2297173
(S) 1,2-Dichloroethane-d4	99.9			70.0-130		06/03/2024 05:38	WG2297173

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/16/2024

MW-329-052324

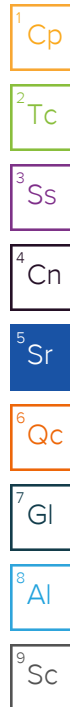
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Collected date/time: 05/23/24 13:55

L1740435

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/03/2024 05:57	WG2297173
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 05:57	WG2297173
Benzene	U		0.0160	0.0400	1	06/03/2024 05:57	WG2297173
Bromobenzene	U		0.0420	0.500	1	06/03/2024 05:57	WG2297173
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 05:57	WG2297173
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 05:57	WG2297173
Bromoform	U	UJ C3	0.239	1.00	1	06/03/2024 05:57	WG2297173
Bromomethane	U	UJ C3	0.148	0.500	1	06/03/2024 05:57	WG2297173
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 05:57	WG2297173
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 05:57	WG2297173
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 05:57	WG2297173
Carbon disulfide	U		0.162	0.500	1	06/03/2024 05:57	WG2297173
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 05:57	WG2297173
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 05:57	WG2297173
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 05:57	WG2297173
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 05:57	WG2297173
Chloroform	U		0.0166	0.100	1	06/03/2024 05:57	WG2297173
Chloromethane	U		0.0556	0.500	1	06/03/2024 05:57	WG2297173
2-Chlorotoluene	U	UJ C3	0.0368	0.100	1	06/03/2024 05:57	WG2297173
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 05:57	WG2297173
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 05:57	WG2297173
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 05:57	WG2297173
Dibromomethane	U		0.0400	0.200	1	06/03/2024 05:57	WG2297173
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 05:57	WG2297173
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 05:57	WG2297173
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 05:57	WG2297173
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2024 05:57	WG2297173
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 05:57	WG2297173
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 05:57	WG2297173
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 05:57	WG2297173
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 05:57	WG2297173
cis-1,2-Dichloroethene	7.80		0.0276	0.100	1	06/03/2024 05:57	WG2297173
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2024 05:57	WG2297173
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 05:57	WG2297173
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 05:57	WG2297173
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 05:57	WG2297173
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 05:57	WG2297173
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 05:57	WG2297173
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 05:57	WG2297173
Di-isopropyl ether	0.0830		0.0140	0.0400	1	06/03/2024 05:57	WG2297173
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 05:57	WG2297173
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 05:57	WG2297173
2-Hexanone	U		0.400	1.00	1	06/03/2024 05:57	WG2297173
n-Hexane	U		0.0424	0.200	1	06/03/2024 05:57	WG2297173
Iodomethane	U	UJ C3	0.242	0.500	1	06/03/2024 05:57	WG2297173
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 05:57	WG2297173
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 05:57	WG2297173
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 05:57	WG2297173
Methylene Chloride	U		0.265	1.00	1	06/03/2024 05:57	WG2297173
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 05:57	WG2297173
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 05:57	WG2297173
Naphthalene	U		0.124	0.500	1	06/03/2024 05:57	WG2297173
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 05:57	WG2297173
Styrene	U		0.109	0.500	1	06/03/2024 05:57	WG2297173
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 05:57	WG2297173
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 05:57	WG2297173



JC 7/16/2024

ACCOUNT:

PES Environmental, Inc.- WA

PROJECT:

443022-1413001.10.70

SDG:

L1740435

DATE/TIME:

07/11/24 15:24

PAGE:

41 of 66

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 05:57	WG2297173
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 05:57	WG2297173
Toluene	U		0.0500	0.200	1	06/03/2024 05:57	WG2297173
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 05:57	WG2297173
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 05:57	WG2297173
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 05:57	WG2297173
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 05:57	WG2297173
Trichloroethene	U		0.0160	0.0400	1	06/03/2024 05:57	WG2297173
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	06/03/2024 05:57	WG2297173
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 05:57	WG2297173
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 05:57	WG2297173
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 05:57	WG2297173
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 05:57	WG2297173
Vinyl acetate	U		0.141	0.500	1	06/03/2024 05:57	WG2297173
Vinyl chloride	23.4		0.0273	0.100	1	06/03/2024 05:57	WG2297173
Xylenes, Total	U		0.191	0.260	1	06/03/2024 05:57	WG2297173
(S) Toluene-d8	101			75.0-131		06/03/2024 05:57	WG2297173
(S) 4-Bromofluorobenzene	94.8			67.0-138		06/03/2024 05:57	WG2297173
(S) 1,2-Dichloroethane-d4	94.9			70.0-130		06/03/2024 05:57	WG2297173

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/16/2024

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/03/2024 06:09	WG2297215
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 06:09	WG2297215
Benzene	0.0990		0.0160	0.0400	1	06/03/2024 06:09	WG2297215
Bromobenzene	U		0.0420	0.500	1	06/03/2024 06:09	WG2297215
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 06:09	WG2297215
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 06:09	WG2297215
Bromoform	U		0.239	1.00	1	06/03/2024 06:09	WG2297215
Bromomethane	U	UJ C3 JS	0.148	0.500	1	06/03/2024 06:09	WG2297215
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 06:09	WG2297215
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 06:09	WG2297215
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 06:09	WG2297215
Carbon disulfide	U		0.162	0.500	1	06/03/2024 06:09	WG2297215
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 06:09	WG2297215
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 06:09	WG2297215
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 06:09	WG2297215
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 06:09	WG2297215
Chloroform	U		0.0166	0.100	1	06/03/2024 06:09	WG2297215
Chloromethane	U		0.0556	0.500	1	06/03/2024 06:09	WG2297215
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 06:09	WG2297215
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 06:09	WG2297215
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 06:09	WG2297215
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 06:09	WG2297215
Dibromomethane	U		0.0400	0.200	1	06/03/2024 06:09	WG2297215
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 06:09	WG2297215
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 06:09	WG2297215
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 06:09	WG2297215
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2024 06:09	WG2297215
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 06:09	WG2297215
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 06:09	WG2297215
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 06:09	WG2297215
1,1-Dichloroethene	0.571		0.0200	0.100	1	06/03/2024 06:09	WG2297215
cis-1,2-Dichloroethene	110	J T8	0.276	1.00	10	06/09/2024 12:32	WG2300672
trans-1,2-Dichloroethene	0.779		0.0572	0.200	1	06/03/2024 06:09	WG2297215
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 06:09	WG2297215
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 06:09	WG2297215
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 06:09	WG2297215
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 06:09	WG2297215
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 06:09	WG2297215
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 06:09	WG2297215
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 06:09	WG2297215
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 06:09	WG2297215
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 06:09	WG2297215
2-Hexanone	U		0.400	1.00	1	06/03/2024 06:09	WG2297215
n-Hexane	U		0.0424	0.200	1	06/03/2024 06:09	WG2297215
Iodomethane	U		0.242	0.500	1	06/03/2024 06:09	WG2297215
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 06:09	WG2297215
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 06:09	WG2297215
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 06:09	WG2297215
Methylene Chloride	U		0.265	1.00	1	06/03/2024 06:09	WG2297215
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 06:09	WG2297215
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 06:09	WG2297215
Naphthalene	U		0.124	0.500	1	06/03/2024 06:09	WG2297215
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 06:09	WG2297215
Styrene	U		0.109	0.500	1	06/03/2024 06:09	WG2297215
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 06:09	WG2297215
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 06:09	WG2297215

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 06:09	WG2297215
Tetrachloroethene	90.6	J T8	0.280	1.00	10	06/09/2024 12:32	WG2300672
Toluene	U		0.0500	0.200	1	06/03/2024 06:09	WG2297215
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 06:09	WG2297215
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 06:09	WG2297215
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 06:09	WG2297215
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 06:09	WG2297215
Trichloroethene	102	J T8	0.160	0.400	10	06/09/2024 12:32	WG2300672
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2024 06:09	WG2297215
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 06:09	WG2297215
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 06:09	WG2297215
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 06:09	WG2297215
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 06:09	WG2297215
Vinyl acetate	U		0.141	0.500	1	06/03/2024 06:09	WG2297215
Vinyl chloride	0.112		0.0273	0.100	1	06/03/2024 06:09	WG2297215
Xylenes, Total	U		0.191	0.260	1	06/03/2024 06:09	WG2297215
(S) Toluene-d8	99.9			75.0-131		06/03/2024 06:09	WG2297215
(S) Toluene-d8	107			75.0-131		06/09/2024 12:32	WG2300672
(S) 4-Bromofluorobenzene	104			67.0-138		06/03/2024 06:09	WG2297215
(S) 4-Bromofluorobenzene	101			67.0-138		06/09/2024 12:32	WG2300672
(S) 1,2-Dichloroethane-d4	107			70.0-130		06/03/2024 06:09	WG2297215
(S) 1,2-Dichloroethane-d4	90.6			70.0-130		06/09/2024 12:32	WG2300672

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/03/2024 06:28	WG2297215
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 06:28	WG2297215
Benzene	0.0440		0.0160	0.0400	1	06/03/2024 06:28	WG2297215
Bromobenzene	U		0.0420	0.500	1	06/03/2024 06:28	WG2297215
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 06:28	WG2297215
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 06:28	WG2297215
Bromoform	U		0.239	1.00	1	06/03/2024 06:28	WG2297215
Bromomethane	U	UJ C3 J3	0.148	0.500	1	06/03/2024 06:28	WG2297215
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 06:28	WG2297215
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 06:28	WG2297215
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 06:28	WG2297215
Carbon disulfide	0.180	J	0.162	0.500	1	06/03/2024 06:28	WG2297215
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 06:28	WG2297215
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 06:28	WG2297215
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 06:28	WG2297215
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 06:28	WG2297215
Chloroform	U		0.0166	0.100	1	06/03/2024 06:28	WG2297215
Chloromethane	U		0.0556	0.500	1	06/03/2024 06:28	WG2297215
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 06:28	WG2297215
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 06:28	WG2297215
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 06:28	WG2297215
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 06:28	WG2297215
Dibromomethane	U		0.0400	0.200	1	06/03/2024 06:28	WG2297215
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 06:28	WG2297215
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 06:28	WG2297215
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 06:28	WG2297215
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2024 06:28	WG2297215
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 06:28	WG2297215
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 06:28	WG2297215
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 06:28	WG2297215
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 06:28	WG2297215
cis-1,2-Dichloroethene	0.0890	J J T8	0.0276	0.100	1	06/09/2024 12:12	WG2300672
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2024 06:28	WG2297215
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 06:28	WG2297215
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 06:28	WG2297215
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 06:28	WG2297215
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 06:28	WG2297215
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 06:28	WG2297215
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 06:28	WG2297215
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 06:28	WG2297215
Ethylbenzene	0.294		0.0212	0.100	1	06/03/2024 06:28	WG2297215
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 06:28	WG2297215
2-Hexanone	U		0.400	1.00	1	06/03/2024 06:28	WG2297215
n-Hexane	U		0.0424	0.200	1	06/03/2024 06:28	WG2297215
Iodomethane	U		0.242	0.500	1	06/03/2024 06:28	WG2297215
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 06:28	WG2297215
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 06:28	WG2297215
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 06:28	WG2297215
Methylene Chloride	U		0.265	1.00	1	06/03/2024 06:28	WG2297215
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 06:28	WG2297215
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 06:28	WG2297215
Naphthalene	U		0.124	0.500	1	06/03/2024 06:28	WG2297215
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 06:28	WG2297215
Styrene	U		0.109	0.500	1	06/03/2024 06:28	WG2297215
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 06:28	WG2297215
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 06:28	WG2297215

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 06:28	WG2297215
Tetrachloroethene	U	UJ T8	0.0280	0.100	1	06/09/2024 12:12	WG2300672
Toluene	0.150	J	0.0500	0.200	1	06/03/2024 06:28	WG2297215
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 06:28	WG2297215
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 06:28	WG2297215
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 06:28	WG2297215
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 06:28	WG2297215
Trichloroethene	U	UJ T8	0.0160	0.0400	1	06/09/2024 12:12	WG2300672
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2024 06:28	WG2297215
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 06:28	WG2297215
1,2,4-Trimethylbenzene	0.0660	U ~~BJ~~	0.0464	0.200	1	06/03/2024 06:28	WG2297215
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 06:28	WG2297215
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 06:28	WG2297215
Vinyl acetate	U		0.141	0.500	1	06/03/2024 06:28	WG2297215
Vinyl chloride	U		0.0273	0.100	1	06/03/2024 06:28	WG2297215
Xylenes, Total	1.44		0.191	0.260	1	06/03/2024 06:28	WG2297215
(S) Toluene-d8	99.2			75.0-131		06/03/2024 06:28	WG2297215
(S) Toluene-d8	105			75.0-131		06/09/2024 12:12	WG2300672
(S) 4-Bromofluorobenzene	103			67.0-138		06/03/2024 06:28	WG2297215
(S) 4-Bromofluorobenzene	101			67.0-138		06/09/2024 12:12	WG2300672
(S) 1,2-Dichloroethane-d4	97.9			70.0-130		06/03/2024 06:28	WG2297215
(S) 1,2-Dichloroethane-d4	102			70.0-130		06/09/2024 12:12	WG2300672

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/03/2024 06:47	WG2297215
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 06:47	WG2297215
Benzene	U		0.0160	0.0400	1	06/03/2024 06:47	WG2297215
Bromobenzene	U		0.0420	0.500	1	06/03/2024 06:47	WG2297215
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 06:47	WG2297215
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 06:47	WG2297215
Bromoform	U		0.239	1.00	1	06/03/2024 06:47	WG2297215
Bromomethane	U	UJ C3 JS	0.148	0.500	1	06/03/2024 06:47	WG2297215
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 06:47	WG2297215
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 06:47	WG2297215
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 06:47	WG2297215
Carbon disulfide	U		0.162	0.500	1	06/03/2024 06:47	WG2297215
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 06:47	WG2297215
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 06:47	WG2297215
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 06:47	WG2297215
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 06:47	WG2297215
Chloroform	U		0.0166	0.100	1	06/03/2024 06:47	WG2297215
Chloromethane	U		0.0556	0.500	1	06/03/2024 06:47	WG2297215
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 06:47	WG2297215
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 06:47	WG2297215
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 06:47	WG2297215
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 06:47	WG2297215
Dibromomethane	U		0.0400	0.200	1	06/03/2024 06:47	WG2297215
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 06:47	WG2297215
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 06:47	WG2297215
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 06:47	WG2297215
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2024 06:47	WG2297215
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 06:47	WG2297215
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 06:47	WG2297215
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 06:47	WG2297215
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 06:47	WG2297215
cis-1,2-Dichloroethene	1.26		0.0276	0.100	1	06/03/2024 06:47	WG2297215
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2024 06:47	WG2297215
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 06:47	WG2297215
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 06:47	WG2297215
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 06:47	WG2297215
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 06:47	WG2297215
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 06:47	WG2297215
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 06:47	WG2297215
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 06:47	WG2297215
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 06:47	WG2297215
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 06:47	WG2297215
2-Hexanone	U		0.400	1.00	1	06/03/2024 06:47	WG2297215
n-Hexane	U		0.0424	0.200	1	06/03/2024 06:47	WG2297215
Iodomethane	U		0.242	0.500	1	06/03/2024 06:47	WG2297215
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 06:47	WG2297215
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 06:47	WG2297215
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 06:47	WG2297215
Methylene Chloride	U		0.265	1.00	1	06/03/2024 06:47	WG2297215
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 06:47	WG2297215
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 06:47	WG2297215
Naphthalene	U		0.124	0.500	1	06/03/2024 06:47	WG2297215
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 06:47	WG2297215
Styrene	U		0.109	0.500	1	06/03/2024 06:47	WG2297215
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 06:47	WG2297215
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 06:47	WG2297215

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 06:47	WG2297215
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 06:47	WG2297215
Toluene	U		0.0500	0.200	1	06/03/2024 06:47	WG2297215
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 06:47	WG2297215
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 06:47	WG2297215
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 06:47	WG2297215
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 06:47	WG2297215
Trichloroethene	U		0.0160	0.0400	1	06/03/2024 06:47	WG2297215
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2024 06:47	WG2297215
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 06:47	WG2297215
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 06:47	WG2297215
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 06:47	WG2297215
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 06:47	WG2297215
Vinyl acetate	U		0.141	0.500	1	06/03/2024 06:47	WG2297215
Vinyl chloride	U		0.0273	0.100	1	06/03/2024 06:47	WG2297215
Xylenes, Total	U		0.191	0.260	1	06/03/2024 06:47	WG2297215
(S) Toluene-d8	101			75.0-131		06/03/2024 06:47	WG2297215
(S) 4-Bromofluorobenzene	103			67.0-138		06/03/2024 06:47	WG2297215
(S) 1,2-Dichloroethane-d4	97.1			70.0-130		06/03/2024 06:47	WG2297215

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	06/03/2024 07:06	WG2297215
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 07:06	WG2297215
Benzene	U		0.0160	0.0400	1	06/03/2024 07:06	WG2297215
Bromobenzene	U		0.0420	0.500	1	06/03/2024 07:06	WG2297215
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 07:06	WG2297215
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 07:06	WG2297215
Bromoform	U		0.239	1.00	1	06/03/2024 07:06	WG2297215
Bromomethane	U	UJ C3 ~~33~~	0.148	0.500	1	06/03/2024 07:06	WG2297215
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 07:06	WG2297215
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 07:06	WG2297215
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 07:06	WG2297215
Carbon disulfide	U		0.162	0.500	1	06/03/2024 07:06	WG2297215
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 07:06	WG2297215
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 07:06	WG2297215
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 07:06	WG2297215
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 07:06	WG2297215
Chloroform	U		0.0166	0.100	1	06/03/2024 07:06	WG2297215
Chloromethane	U		0.0556	0.500	1	06/03/2024 07:06	WG2297215
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 07:06	WG2297215
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 07:06	WG2297215
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 07:06	WG2297215
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 07:06	WG2297215
Dibromomethane	U		0.0400	0.200	1	06/03/2024 07:06	WG2297215
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 07:06	WG2297215
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 07:06	WG2297215
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 07:06	WG2297215
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2024 07:06	WG2297215
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 07:06	WG2297215
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 07:06	WG2297215
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 07:06	WG2297215
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 07:06	WG2297215
cis-1,2-Dichloroethene	5.64		0.0276	0.100	1	06/03/2024 07:06	WG2297215
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2024 07:06	WG2297215
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 07:06	WG2297215
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 07:06	WG2297215
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 07:06	WG2297215
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 07:06	WG2297215
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 07:06	WG2297215
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 07:06	WG2297215
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 07:06	WG2297215
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 07:06	WG2297215
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 07:06	WG2297215
2-Hexanone	U		0.400	1.00	1	06/03/2024 07:06	WG2297215
n-Hexane	U		0.0424	0.200	1	06/03/2024 07:06	WG2297215
Iodomethane	U		0.242	0.500	1	06/03/2024 07:06	WG2297215
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 07:06	WG2297215
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 07:06	WG2297215
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 07:06	WG2297215
Methylene Chloride	U		0.265	1.00	1	06/03/2024 07:06	WG2297215
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 07:06	WG2297215
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 07:06	WG2297215
Naphthalene	U		0.124	0.500	1	06/03/2024 07:06	WG2297215
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 07:06	WG2297215
Styrene	U		0.109	0.500	1	06/03/2024 07:06	WG2297215
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 07:06	WG2297215
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 07:06	WG2297215

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 07:06	WG2297215
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 07:06	WG2297215
Toluene	U		0.0500	0.200	1	06/03/2024 07:06	WG2297215
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 07:06	WG2297215
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 07:06	WG2297215
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 07:06	WG2297215
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 07:06	WG2297215
Trichloroethene	0.684		0.0160	0.0400	1	06/03/2024 07:06	WG2297215
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2024 07:06	WG2297215
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 07:06	WG2297215
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 07:06	WG2297215
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 07:06	WG2297215
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 07:06	WG2297215
Vinyl acetate	U		0.141	0.500	1	06/03/2024 07:06	WG2297215
Vinyl chloride	U		0.0273	0.100	1	06/03/2024 07:06	WG2297215
Xylenes, Total	U		0.191	0.260	1	06/03/2024 07:06	WG2297215
(S) Toluene-d8	101			75.0-131		06/03/2024 07:06	WG2297215
(S) 4-Bromofluorobenzene	103			67.0-138		06/03/2024 07:06	WG2297215
(S) 1,2-Dichloroethane-d4	97.2			70.0-130		06/03/2024 07:06	WG2297215

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/10/24

MW119-052424

SAMPLE RESULTS - 05

Collected date/time: 05/24/24 10:49

L1740722

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	06/03/2024 07:25	WG2297215
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 07:25	WG2297215
Benzene	0.0240	J	0.0160	0.0400	1	06/03/2024 07:25	WG2297215
Bromobenzene	U		0.0420	0.500	1	06/03/2024 07:25	WG2297215
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 07:25	WG2297215
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 07:25	WG2297215
Bromoform	U		0.239	1.00	1	06/03/2024 07:25	WG2297215
Bromomethane	U	UJ C3-J3	0.148	0.500	1	06/03/2024 07:25	WG2297215
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 07:25	WG2297215
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 07:25	WG2297215
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 07:25	WG2297215
Carbon disulfide	U		0.162	0.500	1	06/03/2024 07:25	WG2297215
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 07:25	WG2297215
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 07:25	WG2297215
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 07:25	WG2297215
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 07:25	WG2297215
Chloroform	U		0.0166	0.100	1	06/03/2024 07:25	WG2297215
Chloromethane	U		0.0556	0.500	1	06/03/2024 07:25	WG2297215
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 07:25	WG2297215
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 07:25	WG2297215
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 07:25	WG2297215
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 07:25	WG2297215
Dibromomethane	U		0.0400	0.200	1	06/03/2024 07:25	WG2297215
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 07:25	WG2297215
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 07:25	WG2297215
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 07:25	WG2297215
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2024 07:25	WG2297215
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 07:25	WG2297215
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 07:25	WG2297215
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 07:25	WG2297215
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 07:25	WG2297215
cis-1,2-Dichloroethene	3.36		0.0276	0.100	1	06/03/2024 07:25	WG2297215
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2024 07:25	WG2297215
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 07:25	WG2297215
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 07:25	WG2297215
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 07:25	WG2297215
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 07:25	WG2297215
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 07:25	WG2297215
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 07:25	WG2297215
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 07:25	WG2297215
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 07:25	WG2297215
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 07:25	WG2297215
2-Hexanone	U		0.400	1.00	1	06/03/2024 07:25	WG2297215
n-Hexane	U		0.0424	0.200	1	06/03/2024 07:25	WG2297215
Iodomethane	U		0.242	0.500	1	06/03/2024 07:25	WG2297215
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 07:25	WG2297215
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 07:25	WG2297215
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 07:25	WG2297215
Methylene Chloride	U		0.265	1.00	1	06/03/2024 07:25	WG2297215
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 07:25	WG2297215
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 07:25	WG2297215
Naphthalene	U		0.124	0.500	1	06/03/2024 07:25	WG2297215
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 07:25	WG2297215
Styrene	U		0.109	0.500	1	06/03/2024 07:25	WG2297215
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 07:25	WG2297215
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 07:25	WG2297215

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/10/24

ACCOUNT:

PES Environmental, Inc.- WA

PROJECT:

443022-1413001.010

SDG:

L1740722

DATE/TIME:

06/27/24 17:10

PAGE:

15 of 55

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 07:25	WG2297215
Tetrachloroethene	0.123		0.0280	0.100	1	06/03/2024 07:25	WG2297215
Toluene	U		0.0500	0.200	1	06/03/2024 07:25	WG2297215
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 07:25	WG2297215
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 07:25	WG2297215
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 07:25	WG2297215
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 07:25	WG2297215
Trichloroethene	0.427		0.0160	0.0400	1	06/03/2024 07:25	WG2297215
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2024 07:25	WG2297215
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 07:25	WG2297215
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 07:25	WG2297215
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 07:25	WG2297215
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 07:25	WG2297215
Vinyl acetate	U		0.141	0.500	1	06/03/2024 07:25	WG2297215
Vinyl chloride	U		0.0273	0.100	1	06/03/2024 07:25	WG2297215
Xylenes, Total	U		0.191	0.260	1	06/03/2024 07:25	WG2297215
(S) Toluene-d8	99.9			75.0-131		06/03/2024 07:25	WG2297215
(S) 4-Bromofluorobenzene	104			67.0-138		06/03/2024 07:25	WG2297215
(S) 1,2-Dichloroethane-d4	97.4			70.0-130		06/03/2024 07:25	WG2297215

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

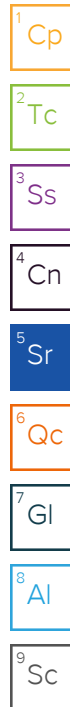
7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	06/03/2024 07:44	WG2297215
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 07:44	WG2297215
Benzene	U		0.0160	0.0400	1	06/03/2024 07:44	WG2297215
Bromobenzene	U		0.0420	0.500	1	06/03/2024 07:44	WG2297215
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 07:44	WG2297215
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 07:44	WG2297215
Bromoform	U		0.239	1.00	1	06/03/2024 07:44	WG2297215
Bromomethane	U	UJ ~~C3 JS~~	0.148	0.500	1	06/03/2024 07:44	WG2297215
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 07:44	WG2297215
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 07:44	WG2297215
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 07:44	WG2297215
Carbon disulfide	U		0.162	0.500	1	06/03/2024 07:44	WG2297215
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 07:44	WG2297215
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 07:44	WG2297215
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 07:44	WG2297215
Chloroethane	U	UJ ~~C3~~	0.0432	0.200	1	06/03/2024 07:44	WG2297215
Chloroform	0.0780	J	0.0166	0.100	1	06/03/2024 07:44	WG2297215
Chloromethane	U		0.0556	0.500	1	06/03/2024 07:44	WG2297215
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 07:44	WG2297215
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 07:44	WG2297215
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 07:44	WG2297215
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 07:44	WG2297215
Dibromomethane	U		0.0400	0.200	1	06/03/2024 07:44	WG2297215
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 07:44	WG2297215
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 07:44	WG2297215
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 07:44	WG2297215
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2024 07:44	WG2297215
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 07:44	WG2297215
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 07:44	WG2297215
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 07:44	WG2297215
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 07:44	WG2297215
cis-1,2-Dichloroethene	11.0		0.0276	0.100	1	06/03/2024 07:44	WG2297215
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2024 07:44	WG2297215
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 07:44	WG2297215
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 07:44	WG2297215
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 07:44	WG2297215
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 07:44	WG2297215
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 07:44	WG2297215
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 07:44	WG2297215
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 07:44	WG2297215
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 07:44	WG2297215
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 07:44	WG2297215
2-Hexanone	U		0.400	1.00	1	06/03/2024 07:44	WG2297215
n-Hexane	U		0.0424	0.200	1	06/03/2024 07:44	WG2297215
Iodomethane	U		0.242	0.500	1	06/03/2024 07:44	WG2297215
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 07:44	WG2297215
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 07:44	WG2297215
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 07:44	WG2297215
Methylene Chloride	U		0.265	1.00	1	06/03/2024 07:44	WG2297215
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 07:44	WG2297215
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 07:44	WG2297215
Naphthalene	U		0.124	0.500	1	06/03/2024 07:44	WG2297215
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 07:44	WG2297215
Styrene	U		0.109	0.500	1	06/03/2024 07:44	WG2297215
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 07:44	WG2297215
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 07:44	WG2297215



JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 07:44	WG2297215
Tetrachloroethene	0.0760	J	0.0280	0.100	1	06/03/2024 07:44	WG2297215
Toluene	U		0.0500	0.200	1	06/03/2024 07:44	WG2297215
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 07:44	WG2297215
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 07:44	WG2297215
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 07:44	WG2297215
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 07:44	WG2297215
Trichloroethene	0.797		0.0160	0.0400	1	06/03/2024 07:44	WG2297215
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2024 07:44	WG2297215
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 07:44	WG2297215
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 07:44	WG2297215
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 07:44	WG2297215
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 07:44	WG2297215
Vinyl acetate	U		0.141	0.500	1	06/03/2024 07:44	WG2297215
Vinyl chloride	U		0.0273	0.100	1	06/03/2024 07:44	WG2297215
Xylenes, Total	U		0.191	0.260	1	06/03/2024 07:44	WG2297215
(S) Toluene-d8	99.9			75.0-131		06/03/2024 07:44	WG2297215
(S) 4-Bromofluorobenzene	104			67.0-138		06/03/2024 07:44	WG2297215
(S) 1,2-Dichloroethane-d4	98.1			70.0-130		06/03/2024 07:44	WG2297215

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	1150	J	594	5000	1	06/21/2024 05:43	WG2309140

1
Cp

2
Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	42100		102	1000	1	06/15/2024 01:45	WG2305121

3
Ss

4
Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	32800		281	1000	10	06/26/2024 22:07	WG2298963
Manganese	8980		0.704	5.00	1	06/26/2024 18:29	WG2298963

5
Sr

6
Qc

7
Gl

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	8180		2.87	6.78	10	06/02/2024 17:17	WG2297153
Ethane	194		0.296	1.29	1	06/02/2024 14:51	WG2296810
Ethene	251		0.422	1.27	1	06/02/2024 14:51	WG2296810

8
Al

9
Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	5.58	U	0.548	1.00	1	06/03/2024 08:03	WG2297215
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 08:03	WG2297215
Benzene	0.0770		0.0160	0.0400	1	06/03/2024 08:03	WG2297215
Bromobenzene	U		0.0420	0.500	1	06/03/2024 08:03	WG2297215
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 08:03	WG2297215
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 08:03	WG2297215
Bromoform	U		0.239	1.00	1	06/03/2024 08:03	WG2297215
Bromomethane	U	UJ C3 J3-	0.148	0.500	1	06/03/2024 08:03	WG2297215
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 08:03	WG2297215
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 08:03	WG2297215
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 08:03	WG2297215
Carbon disulfide	0.223	J	0.162	0.500	1	06/03/2024 08:03	WG2297215
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 08:03	WG2297215
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 08:03	WG2297215
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 08:03	WG2297215
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 08:03	WG2297215
Chloroform	U		0.0166	0.100	1	06/03/2024 08:03	WG2297215
Chloromethane	U		0.0556	0.500	1	06/03/2024 08:03	WG2297215
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 08:03	WG2297215
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 08:03	WG2297215
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 08:03	WG2297215
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 08:03	WG2297215
Dibromomethane	U		0.0400	0.200	1	06/03/2024 08:03	WG2297215
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 08:03	WG2297215
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 08:03	WG2297215
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 08:03	WG2297215
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2024 08:03	WG2297215
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 08:03	WG2297215
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 08:03	WG2297215
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 08:03	WG2297215
1,1-Dichloroethene	0.501		0.0200	0.100	1	06/03/2024 08:03	WG2297215

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	307		0.276	1.00	10	06/07/2024 13:35	WG2299617
trans-1,2-Dichloroethene	5.72		0.0572	0.200	1	06/03/2024 08:03	WG2297215
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 08:03	WG2297215
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 08:03	WG2297215
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 08:03	WG2297215
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 08:03	WG2297215
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 08:03	WG2297215
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 08:03	WG2297215
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 08:03	WG2297215
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 08:03	WG2297215
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 08:03	WG2297215
2-Hexanone	U		0.400	1.00	1	06/03/2024 08:03	WG2297215
n-Hexane	U		0.0424	0.200	1	06/03/2024 08:03	WG2297215
Iodomethane	U		0.242	0.500	1	06/03/2024 08:03	WG2297215
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 08:03	WG2297215
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 08:03	WG2297215
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 08:03	WG2297215
Methylene Chloride	U		0.265	1.00	1	06/03/2024 08:03	WG2297215
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 08:03	WG2297215
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 08:03	WG2297215
Naphthalene	U		0.124	0.500	1	06/03/2024 08:03	WG2297215
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 08:03	WG2297215
Styrene	U		0.109	0.500	1	06/03/2024 08:03	WG2297215
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 08:03	WG2297215
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 08:03	WG2297215
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 08:03	WG2297215
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 08:03	WG2297215
Toluene	0.128	U	0.0500	0.200	1	06/03/2024 08:03	WG2297215
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 08:03	WG2297215
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 08:03	WG2297215
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 08:03	WG2297215
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 08:03	WG2297215
Trichloroethene	0.0710		0.0160	0.0400	1	06/03/2024 08:03	WG2297215
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2024 08:03	WG2297215
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 08:03	WG2297215
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 08:03	WG2297215
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 08:03	WG2297215
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 08:03	WG2297215
Vinyl acetate	U		0.141	0.500	1	06/03/2024 08:03	WG2297215
Vinyl chloride	416		0.273	1.00	10	06/07/2024 13:35	WG2299617
Xylenes, Total	U		0.191	0.260	1	06/03/2024 08:03	WG2297215
(S) Toluene-d8	99.6			75.0-131		06/03/2024 08:03	WG2297215
(S) Toluene-d8	102			75.0-131		06/07/2024 13:35	WG2299617
(S) 4-Bromofluorobenzene	104			67.0-138		06/03/2024 08:03	WG2297215
(S) 4-Bromofluorobenzene	101			67.0-138		06/07/2024 13:35	WG2299617
(S) 1,2-Dichloroethane-d4	98.0			70.0-130		06/03/2024 08:03	WG2297215
(S) 1,2-Dichloroethane-d4	92.6			70.0-130		06/07/2024 13:35	WG2299617

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	1680	J	594	5000	1	06/21/2024 05:59	WG2309140

1
Cp

2
Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	20200		102	1000	1	06/15/2024 02:08	WG2305121

3
Ss

4
Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	10800		140	500	5	06/26/2024 22:10	WG2298963
Manganese	2540		0.704	5.00	1	06/26/2024 18:32	WG2298963

5
Sr

6
Qc

7
Gl

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	28000		2.87	6.78	10	06/02/2024 17:24	WG2297153
Ethane	441		0.296	1.29	1	06/02/2024 15:01	WG2296810
Ethene	U		0.422	1.27	1	06/02/2024 15:01	WG2296810

8
Al

9
Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.86	U	0.548	1.00	1	06/03/2024 08:22	WG2297215
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 08:22	WG2297215
Benzene	0.0190	J	0.0160	0.0400	1	06/03/2024 08:22	WG2297215
Bromobenzene	U		0.0420	0.500	1	06/03/2024 08:22	WG2297215
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 08:22	WG2297215
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 08:22	WG2297215
Bromoform	U		0.239	1.00	1	06/03/2024 08:22	WG2297215
Bromomethane	U	UJ C3 J3	0.148	0.500	1	06/03/2024 08:22	WG2297215
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 08:22	WG2297215
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 08:22	WG2297215
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 08:22	WG2297215
Carbon disulfide	U		0.162	0.500	1	06/03/2024 08:22	WG2297215
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 08:22	WG2297215
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 08:22	WG2297215
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 08:22	WG2297215
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 08:22	WG2297215
Chloroform	U		0.0166	0.100	1	06/03/2024 08:22	WG2297215
Chloromethane	U		0.0556	0.500	1	06/03/2024 08:22	WG2297215
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 08:22	WG2297215
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 08:22	WG2297215
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 08:22	WG2297215
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 08:22	WG2297215
Dibromomethane	U		0.0400	0.200	1	06/03/2024 08:22	WG2297215
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 08:22	WG2297215
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 08:22	WG2297215
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 08:22	WG2297215
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2024 08:22	WG2297215
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 08:22	WG2297215
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 08:22	WG2297215
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 08:22	WG2297215
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 08:22	WG2297215

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.186		0.0276	0.100	1	06/07/2024 10:38	WG2299617
trans-1,2-Dichloroethene	0.496		0.0572	0.200	1	06/03/2024 08:22	WG2297215
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 08:22	WG2297215
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 08:22	WG2297215
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 08:22	WG2297215
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 08:22	WG2297215
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 08:22	WG2297215
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 08:22	WG2297215
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 08:22	WG2297215
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 08:22	WG2297215
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 08:22	WG2297215
2-Hexanone	U		0.400	1.00	1	06/03/2024 08:22	WG2297215
n-Hexane	U		0.0424	0.200	1	06/03/2024 08:22	WG2297215
Iodomethane	U		0.242	0.500	1	06/03/2024 08:22	WG2297215
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 08:22	WG2297215
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 08:22	WG2297215
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 08:22	WG2297215
Methylene Chloride	U		0.265	1.00	1	06/03/2024 08:22	WG2297215
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 08:22	WG2297215
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 08:22	WG2297215
Naphthalene	U		0.124	0.500	1	06/03/2024 08:22	WG2297215
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 08:22	WG2297215
Styrene	U		0.109	0.500	1	06/03/2024 08:22	WG2297215
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 08:22	WG2297215
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 08:22	WG2297215
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 08:22	WG2297215
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 08:22	WG2297215
Toluene	U		0.0500	0.200	1	06/03/2024 08:22	WG2297215
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 08:22	WG2297215
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 08:22	WG2297215
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 08:22	WG2297215
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 08:22	WG2297215
Trichloroethene	0.0380	U	0.0160	0.0400	1	06/03/2024 08:22	WG2297215
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2024 08:22	WG2297215
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 08:22	WG2297215
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 08:22	WG2297215
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 08:22	WG2297215
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 08:22	WG2297215
Vinyl acetate	U		0.141	0.500	1	06/03/2024 08:22	WG2297215
Vinyl chloride	0.0960	U	0.0273	0.100	1	06/07/2024 10:38	WG2299617
Xylenes, Total	U		0.191	0.260	1	06/03/2024 08:22	WG2297215
(S) Toluene-d8	99.5			75.0-131		06/03/2024 08:22	WG2297215
(S) Toluene-d8	98.1			75.0-131		06/07/2024 10:38	WG2299617
(S) 4-Bromofluorobenzene	104			67.0-138		06/03/2024 08:22	WG2297215
(S) 4-Bromofluorobenzene	111			67.0-138		06/07/2024 10:38	WG2299617
(S) 1,2-Dichloroethane-d4	99.1			70.0-130		06/03/2024 08:22	WG2297215
(S) 1,2-Dichloroethane-d4	97.3			70.0-130		06/07/2024 10:38	WG2299617

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	23600		594	5000	1	06/21/2024 06:15	WG2309140

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	29500		102	1000	1	06/15/2024 02:31	WG2305121

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	17700		281	1000	10	06/26/2024 22:14	WG2298963
Manganese	7240		0.704	5.00	1	06/26/2024 18:35	WG2298963

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	14600		2.87	6.78	10	06/02/2024 17:30	WG2297153
Ethane	89.0		0.296	1.29	1	06/02/2024 15:12	WG2296810
Ethene	71.8		0.422	1.27	1	06/02/2024 15:12	WG2296810

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.51	U	0.548	1.00	1	06/03/2024 08:41	WG2297215
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 08:41	WG2297215
Benzene	0.0300	J	0.0160	0.0400	1	06/03/2024 08:41	WG2297215
Bromobenzene	U		0.0420	0.500	1	06/03/2024 08:41	WG2297215
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 08:41	WG2297215
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 08:41	WG2297215
Bromoform	U		0.239	1.00	1	06/03/2024 08:41	WG2297215
Bromomethane	U	UJ C3 JS	0.148	0.500	1	06/03/2024 08:41	WG2297215
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 08:41	WG2297215
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 08:41	WG2297215
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 08:41	WG2297215
Carbon disulfide	0.642		0.162	0.500	1	06/03/2024 08:41	WG2297215
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 08:41	WG2297215
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 08:41	WG2297215
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 08:41	WG2297215
Chloroethane	2.58	J- C3	0.0432	0.200	1	06/03/2024 08:41	WG2297215
Chloroform	U		0.0166	0.100	1	06/03/2024 08:41	WG2297215
Chloromethane	U		0.0556	0.500	1	06/03/2024 08:41	WG2297215
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 08:41	WG2297215
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 08:41	WG2297215
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 08:41	WG2297215
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 08:41	WG2297215
Dibromomethane	U		0.0400	0.200	1	06/03/2024 08:41	WG2297215
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 08:41	WG2297215
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 08:41	WG2297215
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 08:41	WG2297215
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2024 08:41	WG2297215
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 08:41	WG2297215
1,1-Dichloroethane	0.0270	J	0.0230	0.100	1	06/03/2024 08:41	WG2297215
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 08:41	WG2297215
1,1-Dichloroethene	7.02		0.0200	0.100	1	06/03/2024 08:41	WG2297215

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	4020		2.76	10.0	100	06/07/2024 13:55	WG2299617
trans-1,2-Dichloroethene	11.1		0.0572	0.200	1	06/03/2024 08:41	WG2297215
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 08:41	WG2297215
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 08:41	WG2297215
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 08:41	WG2297215
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 08:41	WG2297215
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 08:41	WG2297215
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 08:41	WG2297215
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 08:41	WG2297215
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 08:41	WG2297215
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 08:41	WG2297215
2-Hexanone	U		0.400	1.00	1	06/03/2024 08:41	WG2297215
n-Hexane	U		0.0424	0.200	1	06/03/2024 08:41	WG2297215
Iodomethane	U		0.242	0.500	1	06/03/2024 08:41	WG2297215
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 08:41	WG2297215
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 08:41	WG2297215
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 08:41	WG2297215
Methylene Chloride	U		0.265	1.00	1	06/03/2024 08:41	WG2297215
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 08:41	WG2297215
Methyl tert-butyl ether	0.0660		0.0118	0.0400	1	06/03/2024 08:41	WG2297215
Naphthalene	U		0.124	0.500	1	06/03/2024 08:41	WG2297215
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 08:41	WG2297215
Styrene	U		0.109	0.500	1	06/03/2024 08:41	WG2297215
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 08:41	WG2297215
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 08:41	WG2297215
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 08:41	WG2297215
Tetrachloroethene	60.3		0.0280	0.100	1	06/03/2024 08:41	WG2297215
Toluene	0.0970	U	0.0500	0.200	1	06/03/2024 08:41	WG2297215
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 08:41	WG2297215
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 08:41	WG2297215
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 08:41	WG2297215
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 08:41	WG2297215
Trichloroethene	158		1.60	4.00	100	06/07/2024 13:55	WG2299617
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2024 08:41	WG2297215
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 08:41	WG2297215
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 08:41	WG2297215
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 08:41	WG2297215
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 08:41	WG2297215
Vinyl acetate	U		0.141	0.500	1	06/03/2024 08:41	WG2297215
Vinyl chloride	464		2.73	10.0	100	06/07/2024 13:55	WG2299617
Xylenes, Total	U		0.191	0.260	1	06/03/2024 08:41	WG2297215
(S) Toluene-d8	98.4			75.0-131		06/03/2024 08:41	WG2297215
(S) Toluene-d8	100			75.0-131		06/07/2024 13:55	WG2299617
(S) 4-Bromofluorobenzene	104			67.0-138		06/03/2024 08:41	WG2297215
(S) 4-Bromofluorobenzene	99.7			67.0-138		06/07/2024 13:55	WG2299617
(S) 1,2-Dichloroethane-d4	99.7			70.0-130		06/03/2024 08:41	WG2297215
(S) 1,2-Dichloroethane-d4	91.8			70.0-130		06/07/2024 13:55	WG2299617

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	2690	J	594	5000	1	06/21/2024 06:31	WG2309140

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	11500		102	1000	1	06/15/2024 02:53	WG2305121

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	10900		140	500	5	06/26/2024 22:17	WG2298963
Manganese	2000		0.704	5.00	1	06/26/2024 18:38	WG2298963

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	29400		2.87	6.78	10	06/02/2024 17:39	WG2297153
Ethane	311		0.296	1.29	1	06/02/2024 15:18	WG2296810
Ethene	U		0.422	1.27	1	06/02/2024 15:18	WG2296810

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	06/03/2024 09:00	WG2297215
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 09:00	WG2297215
Benzene	0.0370	J	0.0160	0.0400	1	06/03/2024 09:00	WG2297215
Bromobenzene	U		0.0420	0.500	1	06/03/2024 09:00	WG2297215
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 09:00	WG2297215
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 09:00	WG2297215
Bromoform	U		0.239	1.00	1	06/03/2024 09:00	WG2297215
Bromomethane	U	UJ C3 J3	0.148	0.500	1	06/03/2024 09:00	WG2297215
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 09:00	WG2297215
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 09:00	WG2297215
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 09:00	WG2297215
Carbon disulfide	U		0.162	0.500	1	06/03/2024 09:00	WG2297215
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 09:00	WG2297215
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 09:00	WG2297215
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 09:00	WG2297215
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 09:00	WG2297215
Chloroform	U		0.0166	0.100	1	06/03/2024 09:00	WG2297215
Chloromethane	U		0.0556	0.500	1	06/03/2024 09:00	WG2297215
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 09:00	WG2297215
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 09:00	WG2297215
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 09:00	WG2297215
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 09:00	WG2297215
Dibromomethane	U		0.0400	0.200	1	06/03/2024 09:00	WG2297215
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 09:00	WG2297215
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 09:00	WG2297215
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 09:00	WG2297215
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2024 09:00	WG2297215
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 09:00	WG2297215
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 09:00	WG2297215
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 09:00	WG2297215
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 09:00	WG2297215

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.350		0.0276	0.100	1	06/07/2024 10:57	WG2299617
trans-1,2-Dichloroethene	0.466		0.0572	0.200	1	06/03/2024 09:00	WG2297215
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 09:00	WG2297215
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 09:00	WG2297215
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 09:00	WG2297215
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 09:00	WG2297215
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 09:00	WG2297215
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 09:00	WG2297215
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 09:00	WG2297215
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 09:00	WG2297215
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 09:00	WG2297215
2-Hexanone	U		0.400	1.00	1	06/03/2024 09:00	WG2297215
n-Hexane	U		0.0424	0.200	1	06/03/2024 09:00	WG2297215
Iodomethane	U		0.242	0.500	1	06/03/2024 09:00	WG2297215
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 09:00	WG2297215
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 09:00	WG2297215
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 09:00	WG2297215
Methylene Chloride	U		0.265	1.00	1	06/03/2024 09:00	WG2297215
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 09:00	WG2297215
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 09:00	WG2297215
Naphthalene	U		0.124	0.500	1	06/03/2024 09:00	WG2297215
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 09:00	WG2297215
Styrene	U		0.109	0.500	1	06/03/2024 09:00	WG2297215
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 09:00	WG2297215
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 09:00	WG2297215
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 09:00	WG2297215
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 09:00	WG2297215
Toluene	0.0770	U	0.0500	0.200	1	06/03/2024 09:00	WG2297215
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 09:00	WG2297215
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 09:00	WG2297215
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 09:00	WG2297215
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 09:00	WG2297215
Trichloroethene	0.113		0.0160	0.0400	1	06/07/2024 10:57	WG2299617
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2024 09:00	WG2297215
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 09:00	WG2297215
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 09:00	WG2297215
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 09:00	WG2297215
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 09:00	WG2297215
Vinyl acetate	U		0.141	0.500	1	06/03/2024 09:00	WG2297215
Vinyl chloride	0.0540	U	0.0273	0.100	1	06/07/2024 10:57	WG2299617
Xylenes, Total	U		0.191	0.260	1	06/03/2024 09:00	WG2297215
(S) Toluene-d8	100			75.0-131		06/03/2024 09:00	WG2297215
(S) Toluene-d8	99.7			75.0-131		06/07/2024 10:57	WG2299617
(S) 4-Bromofluorobenzene	103			67.0-138		06/03/2024 09:00	WG2297215
(S) 4-Bromofluorobenzene	102			67.0-138		06/07/2024 10:57	WG2299617
(S) 1,2-Dichloroethane-d4	97.9			70.0-130		06/03/2024 09:00	WG2297215
(S) 1,2-Dichloroethane-d4	90.9			70.0-130		06/07/2024 10:57	WG2299617

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	16800		594	5000	1	06/20/2024 00:12	WG2305180

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	10100		102	1000	1	06/15/2024 03:23	WG2305121

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	6420		140	500	5	06/26/2024 22:20	WG2298963
Manganese	644		0.704	5.00	1	06/26/2024 18:42	WG2298963

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	1520		0.287	0.678	1	06/02/2024 15:24	WG2296810
Ethane	36.2		0.296	1.29	1	06/02/2024 15:24	WG2296810
Ethene	1.49		0.422	1.27	1	06/02/2024 15:24	WG2296810

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	06/03/2024 09:19	WG2297215
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 09:19	WG2297215
Benzene	U		0.0160	0.0400	1	06/03/2024 09:19	WG2297215
Bromobenzene	U		0.0420	0.500	1	06/03/2024 09:19	WG2297215
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 09:19	WG2297215
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 09:19	WG2297215
Bromoform	U		0.239	1.00	1	06/03/2024 09:19	WG2297215
Bromomethane	U	UJ C3 J3	0.148	0.500	1	06/03/2024 09:19	WG2297215
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 09:19	WG2297215
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 09:19	WG2297215
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 09:19	WG2297215
Carbon disulfide	U		0.162	0.500	1	06/03/2024 09:19	WG2297215
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 09:19	WG2297215
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 09:19	WG2297215
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 09:19	WG2297215
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 09:19	WG2297215
Chloroform	U		0.0166	0.100	1	06/03/2024 09:19	WG2297215
Chloromethane	U		0.0556	0.500	1	06/03/2024 09:19	WG2297215
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 09:19	WG2297215
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 09:19	WG2297215
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 09:19	WG2297215
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 09:19	WG2297215
Dibromomethane	U		0.0400	0.200	1	06/03/2024 09:19	WG2297215
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 09:19	WG2297215
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 09:19	WG2297215
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 09:19	WG2297215
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2024 09:19	WG2297215
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 09:19	WG2297215
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 09:19	WG2297215
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 09:19	WG2297215
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 09:19	WG2297215

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.472		0.0276	0.100	1	06/07/2024 11:17	WG2299617
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2024 09:19	WG2297215
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 09:19	WG2297215
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 09:19	WG2297215
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 09:19	WG2297215
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 09:19	WG2297215
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 09:19	WG2297215
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 09:19	WG2297215
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 09:19	WG2297215
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 09:19	WG2297215
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 09:19	WG2297215
2-Hexanone	U		0.400	1.00	1	06/03/2024 09:19	WG2297215
n-Hexane	U		0.0424	0.200	1	06/03/2024 09:19	WG2297215
Iodomethane	U		0.242	0.500	1	06/03/2024 09:19	WG2297215
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 09:19	WG2297215
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 09:19	WG2297215
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 09:19	WG2297215
Methylene Chloride	U		0.265	1.00	1	06/03/2024 09:19	WG2297215
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 09:19	WG2297215
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 09:19	WG2297215
Naphthalene	U		0.124	0.500	1	06/03/2024 09:19	WG2297215
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 09:19	WG2297215
Styrene	U		0.109	0.500	1	06/03/2024 09:19	WG2297215
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 09:19	WG2297215
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 09:19	WG2297215
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 09:19	WG2297215
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 09:19	WG2297215
Toluene	U		0.0500	0.200	1	06/03/2024 09:19	WG2297215
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 09:19	WG2297215
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 09:19	WG2297215
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 09:19	WG2297215
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 09:19	WG2297215
Trichloroethene	0.0440		0.0160	0.0400	1	06/03/2024 09:19	WG2297215
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2024 09:19	WG2297215
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 09:19	WG2297215
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 09:19	WG2297215
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 09:19	WG2297215
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 09:19	WG2297215
Vinyl acetate	U		0.141	0.500	1	06/03/2024 09:19	WG2297215
Vinyl chloride	0.324		0.0273	0.100	1	06/03/2024 09:19	WG2297215
Xylenes, Total	U		0.191	0.260	1	06/03/2024 09:19	WG2297215
(S) Toluene-d8	101			75.0-131		06/03/2024 09:19	WG2297215
(S) Toluene-d8	100			75.0-131		06/07/2024 11:17	WG2299617
(S) 4-Bromofluorobenzene	103			67.0-138		06/03/2024 09:19	WG2297215
(S) 4-Bromofluorobenzene	101			67.0-138		06/07/2024 11:17	WG2299617
(S) 1,2-Dichloroethane-d4	97.4			70.0-130		06/03/2024 09:19	WG2297215
(S) 1,2-Dichloroethane-d4	89.8			70.0-130		06/07/2024 11:17	WG2299617

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	2520	J	594	5000	1	06/21/2024 07:19	WG2309140

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	26000		102	1000	1	06/14/2024 17:39	WG2305123

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	22200		281	1000	10	06/26/2024 22:24	WG2298963
Manganese	2690		0.704	5.00	1	06/26/2024 18:46	WG2298963

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	14500		2.87	6.78	10	06/02/2024 17:50	WG2297153
Ethane	45.8		0.296	1.29	1	06/02/2024 15:33	WG2296810
Ethene	4.34		0.422	1.27	1	06/02/2024 15:33	WG2296810

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.81	U	0.548	1.00	1	06/03/2024 09:38	WG2297215
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 09:38	WG2297215
Benzene	0.0720		0.0160	0.0400	1	06/03/2024 09:38	WG2297215
Bromobenzene	U		0.0420	0.500	1	06/03/2024 09:38	WG2297215
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 09:38	WG2297215
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 09:38	WG2297215
Bromoform	U		0.239	1.00	1	06/03/2024 09:38	WG2297215
Bromomethane	U	UJ C3 J3	0.148	0.500	1	06/03/2024 09:38	WG2297215
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 09:38	WG2297215
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 09:38	WG2297215
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 09:38	WG2297215
Carbon disulfide	U		0.162	0.500	1	06/03/2024 09:38	WG2297215
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 09:38	WG2297215
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 09:38	WG2297215
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 09:38	WG2297215
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 09:38	WG2297215
Chloroform	U		0.0166	0.100	1	06/03/2024 09:38	WG2297215
Chloromethane	U		0.0556	0.500	1	06/03/2024 09:38	WG2297215
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 09:38	WG2297215
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 09:38	WG2297215
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 09:38	WG2297215
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 09:38	WG2297215
Dibromomethane	U		0.0400	0.200	1	06/03/2024 09:38	WG2297215
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 09:38	WG2297215
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 09:38	WG2297215
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 09:38	WG2297215
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2024 09:38	WG2297215
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 09:38	WG2297215
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 09:38	WG2297215
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 09:38	WG2297215
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 09:38	WG2297215

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.655		0.0276	0.100	1	06/07/2024 11:37	WG2299617
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2024 09:38	WG2297215
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 09:38	WG2297215
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 09:38	WG2297215
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 09:38	WG2297215
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 09:38	WG2297215
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 09:38	WG2297215
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 09:38	WG2297215
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 09:38	WG2297215
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 09:38	WG2297215
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 09:38	WG2297215
2-Hexanone	U		0.400	1.00	1	06/03/2024 09:38	WG2297215
n-Hexane	U		0.0424	0.200	1	06/03/2024 09:38	WG2297215
Iodomethane	U		0.242	0.500	1	06/03/2024 09:38	WG2297215
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 09:38	WG2297215
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 09:38	WG2297215
2-Butanone (MEK)	1.26	J+ C5	0.500	1.00	1	06/03/2024 09:38	WG2297215
Methylene Chloride	U		0.265	1.00	1	06/03/2024 09:38	WG2297215
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 09:38	WG2297215
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 09:38	WG2297215
Naphthalene	U		0.124	0.500	1	06/03/2024 09:38	WG2297215
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 09:38	WG2297215
Styrene	U		0.109	0.500	1	06/03/2024 09:38	WG2297215
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 09:38	WG2297215
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 09:38	WG2297215
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 09:38	WG2297215
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 09:38	WG2297215
Toluene	U		0.0500	0.200	1	06/03/2024 09:38	WG2297215
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 09:38	WG2297215
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 09:38	WG2297215
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 09:38	WG2297215
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 09:38	WG2297215
Trichloroethene	0.0710		0.0160	0.0400	1	06/03/2024 09:38	WG2297215
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2024 09:38	WG2297215
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 09:38	WG2297215
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 09:38	WG2297215
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 09:38	WG2297215
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 09:38	WG2297215
Vinyl acetate	U		0.141	0.500	1	06/03/2024 09:38	WG2297215
Vinyl chloride	0.583		0.0273	0.100	1	06/03/2024 09:38	WG2297215
Xylenes, Total	U		0.191	0.260	1	06/03/2024 09:38	WG2297215
(S) Toluene-d8	99.4			75.0-131		06/03/2024 09:38	WG2297215
(S) Toluene-d8	102			75.0-131		06/07/2024 11:37	WG2299617
(S) 4-Bromofluorobenzene	103			67.0-138		06/03/2024 09:38	WG2297215
(S) 4-Bromofluorobenzene	98.5			67.0-138		06/07/2024 11:37	WG2299617
(S) 1,2-Dichloroethane-d4	98.2			70.0-130		06/03/2024 09:38	WG2297215
(S) 1,2-Dichloroethane-d4	88.6			70.0-130		06/07/2024 11:37	WG2299617

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	2530	J	594	5000	1	06/21/2024 07:35	WG2309140

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	7040		102	1000	1	06/14/2024 18:21	WG2305123

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	3660		28.1	100	1	06/26/2024 18:50	WG2298963
Manganese	1100		0.704	5.00	1	06/26/2024 18:50	WG2298963

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	17500		2.87	6.78	10	06/02/2024 17:55	WG2297153
Ethane	413		0.296	1.29	1	06/02/2024 15:41	WG2296810
Ethene	U		0.422	1.27	1	06/02/2024 15:41	WG2296810

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	06/03/2024 09:58	WG2297215
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 09:58	WG2297215
Benzene	U		0.0160	0.0400	1	06/03/2024 09:58	WG2297215
Bromobenzene	U		0.0420	0.500	1	06/03/2024 09:58	WG2297215
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 09:58	WG2297215
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 09:58	WG2297215
Bromoform	U		0.239	1.00	1	06/03/2024 09:58	WG2297215
Bromomethane	U	UJ C3	0.148	0.500	1	06/03/2024 09:58	WG2297215
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 09:58	WG2297215
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 09:58	WG2297215
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 09:58	WG2297215
Carbon disulfide	U		0.162	0.500	1	06/03/2024 09:58	WG2297215
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 09:58	WG2297215
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 09:58	WG2297215
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 09:58	WG2297215
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 09:58	WG2297215
Chloroform	U		0.0166	0.100	1	06/03/2024 09:58	WG2297215
Chloromethane	U		0.0556	0.500	1	06/03/2024 09:58	WG2297215
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 09:58	WG2297215
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 09:58	WG2297215
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 09:58	WG2297215
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 09:58	WG2297215
Dibromomethane	U		0.0400	0.200	1	06/03/2024 09:58	WG2297215
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 09:58	WG2297215
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 09:58	WG2297215
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 09:58	WG2297215
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2024 09:58	WG2297215
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 09:58	WG2297215
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 09:58	WG2297215
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 09:58	WG2297215
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 09:58	WG2297215

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.0750	U	0.0276	0.100	1	06/07/2024 11:57	WG2299617
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2024 09:58	WG2297215
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 09:58	WG2297215
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 09:58	WG2297215
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 09:58	WG2297215
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 09:58	WG2297215
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 09:58	WG2297215
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 09:58	WG2297215
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 09:58	WG2297215
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 09:58	WG2297215
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 09:58	WG2297215
2-Hexanone	U		0.400	1.00	1	06/03/2024 09:58	WG2297215
n-Hexane	U		0.0424	0.200	1	06/03/2024 09:58	WG2297215
Iodomethane	U		0.242	0.500	1	06/03/2024 09:58	WG2297215
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 09:58	WG2297215
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 09:58	WG2297215
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 09:58	WG2297215
Methylene Chloride	U		0.265	1.00	1	06/03/2024 09:58	WG2297215
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 09:58	WG2297215
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 09:58	WG2297215
Naphthalene	U		0.124	0.500	1	06/03/2024 09:58	WG2297215
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 09:58	WG2297215
Styrene	U		0.109	0.500	1	06/03/2024 09:58	WG2297215
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 09:58	WG2297215
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 09:58	WG2297215
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 09:58	WG2297215
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 09:58	WG2297215
Toluene	0.0700	U	0.0500	0.200	1	06/03/2024 09:58	WG2297215
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 09:58	WG2297215
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 09:58	WG2297215
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 09:58	WG2297215
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 09:58	WG2297215
Trichloroethene	U		0.0160	0.0400	1	06/03/2024 09:58	WG2297215
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2024 09:58	WG2297215
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 09:58	WG2297215
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 09:58	WG2297215
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 09:58	WG2297215
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 09:58	WG2297215
Vinyl acetate	U		0.141	0.500	1	06/03/2024 09:58	WG2297215
Vinyl chloride	U		0.0273	0.100	1	06/03/2024 09:58	WG2297215
Xylenes, Total	U		0.191	0.260	1	06/03/2024 09:58	WG2297215
(S) Toluene-d8	101			75.0-131		06/03/2024 09:58	WG2297215
(S) Toluene-d8	101			75.0-131		06/07/2024 11:57	WG2299617
(S) 4-Bromofluorobenzene	103			67.0-138		06/03/2024 09:58	WG2297215
(S) 4-Bromofluorobenzene	100			67.0-138		06/07/2024 11:57	WG2299617
(S) 1,2-Dichloroethane-d4	96.5			70.0-130		06/03/2024 09:58	WG2297215
(S) 1,2-Dichloroethane-d4	91.1			70.0-130		06/07/2024 11:57	WG2299617

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	1040	J	594	5000	1	06/19/2024 15:45	WG2306750

1
Cp

2
Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	14200		102	1000	1	06/14/2024 20:21	WG2305123

3
Ss

4
Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	4030		28.1	100	1	06/26/2024 19:18	WG2298963
Manganese	785		0.704	5.00	1	06/26/2024 19:18	WG2298963

5
Sr

6
Qc

7
Gl

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	29500		2.87	6.78	10	06/03/2024 16:03	WG2297638
Ethane	204		0.296	1.29	1	06/03/2024 11:50	WG2296812
Ethene	55.0		0.422	1.27	1	06/03/2024 11:50	WG2296812

8
Al

9
Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	06/03/2024 09:09	WG2297221
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 09:09	WG2297221
Benzene	0.0960		0.0160	0.0400	1	06/03/2024 09:09	WG2297221
Bromobenzene	U		0.0420	0.500	1	06/03/2024 09:09	WG2297221
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 09:09	WG2297221
Bromoform	U		0.239	1.00	1	06/03/2024 09:09	WG2297221
Bromomethane	U	UJ C3 J4	0.148	0.500	1	06/03/2024 09:09	WG2297221
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 09:09	WG2297221
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 09:09	WG2297221
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 09:09	WG2297221
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 09:09	WG2297221
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 09:09	WG2297221
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 09:09	WG2297221
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 09:09	WG2297221
Chloroform	U		0.0166	0.100	1	06/03/2024 09:09	WG2297221
Chloromethane	U		0.0556	0.500	1	06/03/2024 09:09	WG2297221
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 09:09	WG2297221
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 09:09	WG2297221
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 09:09	WG2297221
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 09:09	WG2297221
Dibromomethane	U		0.0400	0.200	1	06/03/2024 09:09	WG2297221
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 09:09	WG2297221
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 09:09	WG2297221
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 09:09	WG2297221
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 09:09	WG2297221
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 09:09	WG2297221
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 09:09	WG2297221
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 09:09	WG2297221
cis-1,2-Dichloroethene	0.0410	J	0.0276	0.100	1	06/03/2024 09:09	WG2297221
trans-1,2-Dichloroethene	0.153	J	0.0572	0.200	1	06/03/2024 09:09	WG2297221
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 09:09	WG2297221

JC 07/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 09:09	WG2297221
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 09:09	WG2297221
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 09:09	WG2297221
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 09:09	WG2297221
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 09:09	WG2297221
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 09:09	WG2297221
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 09:09	WG2297221
Hexachloro-1,3-butadiene	U	~~J3~~	0.508	1.00	1	06/03/2024 09:09	WG2297221
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 09:09	WG2297221
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 09:09	WG2297221
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 09:09	WG2297221
Methylene Chloride	U		0.265	1.00	1	06/03/2024 09:09	WG2297221
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 09:09	WG2297221
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 09:09	WG2297221
Naphthalene	U	~~J3~~	0.124	0.500	1	06/03/2024 09:09	WG2297221
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 09:09	WG2297221
Styrene	U		0.109	0.500	1	06/03/2024 09:09	WG2297221
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 09:09	WG2297221
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 09:09	WG2297221
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 09:09	WG2297221
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 09:09	WG2297221
Toluene	U		0.0500	0.200	1	06/03/2024 09:09	WG2297221
1,2,3-Trichlorobenzene	U	~~J3 J4~~	0.0250	0.500	1	06/03/2024 09:09	WG2297221
1,2,4-Trichlorobenzene	U	~~J3~~	0.193	0.500	1	06/03/2024 09:09	WG2297221
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 09:09	WG2297221
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 09:09	WG2297221
Trichloroethene	0.0320	~~J~~	0.0160	0.0400	1	06/03/2024 09:09	WG2297221
Trichlorofluoromethane	U	~~UJ~~ ~~C3~~	0.0200	0.100	1	06/03/2024 09:09	WG2297221
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 09:09	WG2297221
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 09:09	WG2297221
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 09:09	WG2297221
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 09:09	WG2297221
Vinyl chloride	0.822		0.0273	0.100	1	06/03/2024 09:09	WG2297221
Xylenes, Total	U		0.191	0.260	1	06/03/2024 09:09	WG2297221
Ethyl Ether	U		0.0170	0.100	1	06/03/2024 09:09	WG2297221
Tetrahydrofuran	3.38		0.0900	0.500	1	06/03/2024 09:09	WG2297221
Iodomethane	U		0.242	0.500	1	06/03/2024 09:09	WG2297221
Allyl chloride	U		0.580	1.00	1	06/03/2024 09:09	WG2297221
Trans-1,4-Dichloro-2-butene	U	~~UJ~~ ~~C3 J3~~	0.0560	0.200	1	06/03/2024 09:09	WG2297221
(S) Toluene-d8	97.3			75.0-131		06/03/2024 09:09	WG2297221
(S) 4-Bromofluorobenzene	94.3			67.0-138		06/03/2024 09:09	WG2297221
(S) 1,2-Dichloroethane-d4	100			70.0-130		06/03/2024 09:09	WG2297221

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 07/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	7340		594	5000	1	06/19/2024 16:12	WG2306750

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	15900		102	1000	1	06/14/2024 20:42	WG2305123

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	2640		28.1	100	1	06/26/2024 19:21	WG2298963
Manganese	1430		0.704	5.00	1	06/26/2024 19:21	WG2298963

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	23600		2.87	6.78	10	06/03/2024 16:08	WG2297638
Ethane	22.6		0.296	1.29	1	06/03/2024 12:06	WG2296812
Ethene	552		0.422	1.27	1	06/03/2024 12:06	WG2296812

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U		110	200	200	06/03/2024 13:38	WG2297221	
Acrylonitrile	U		15.2	100	200	06/03/2024 13:38	WG2297221	
Benzene	U		3.20	8.00	200	06/03/2024 13:38	WG2297221	
Bromobenzene	U		8.40	100	200	06/03/2024 13:38	WG2297221	
Bromodichloromethane	U		6.30	20.0	200	06/03/2024 13:38	WG2297221	
Bromoform	U		47.8	200	200	06/03/2024 13:38	WG2297221	
Bromomethane	U	UJ	C3 J4	29.6	100	200	06/03/2024 13:38	WG2297221
n-Butylbenzene	U		30.6	100	200	06/03/2024 13:38	WG2297221	
sec-Butylbenzene	U		20.2	100	200	06/03/2024 13:38	WG2297221	
tert-Butylbenzene	U		12.4	40.0	200	06/03/2024 13:38	WG2297221	
Carbon tetrachloride	U		8.64	40.0	200	06/03/2024 13:38	WG2297221	
Chlorobenzene	U		4.58	20.0	200	06/03/2024 13:38	WG2297221	
Chlorodibromomethane	U		3.60	20.0	200	06/03/2024 13:38	WG2297221	
Chloroethane	U	UJ	C3	8.64	40.0	200	06/03/2024 13:38	WG2297221
Chloroform	U		3.32	20.0	200	06/03/2024 13:38	WG2297221	
Chloromethane	U		11.1	100	200	06/03/2024 13:38	WG2297221	
2-Chlorotoluene	U		7.36	20.0	200	06/03/2024 13:38	WG2297221	
4-Chlorotoluene	U		9.04	40.0	200	06/03/2024 13:38	WG2297221	
1,2-Dibromo-3-Chloropropane	U		40.8	200	200	06/03/2024 13:38	WG2297221	
1,2-Dibromoethane	U		4.20	20.0	200	06/03/2024 13:38	WG2297221	
Dibromomethane	U		8.00	40.0	200	06/03/2024 13:38	WG2297221	
1,2-Dichlorobenzene	U		11.6	40.0	200	06/03/2024 13:38	WG2297221	
1,3-Dichlorobenzene	U		13.6	40.0	200	06/03/2024 13:38	WG2297221	
1,4-Dichlorobenzene	U		15.8	40.0	200	06/03/2024 13:38	WG2297221	
Dichlorodifluoromethane	U		6.54	40.0	200	06/03/2024 13:38	WG2297221	
1,1-Dichloroethane	U		4.60	20.0	200	06/03/2024 13:38	WG2297221	
1,2-Dichloroethane	U		3.80	20.0	200	06/03/2024 13:38	WG2297221	
1,1-Dichloroethene	40.4		4.00	20.0	200	06/03/2024 13:38	WG2297221	
cis-1,2-Dichloroethene	10200		5.52	20.0	200	06/03/2024 13:38	WG2297221	
trans-1,2-Dichloroethene	256		11.4	40.0	200	06/03/2024 13:38	WG2297221	
1,2-Dichloropropane	U		10.2	40.0	200	06/03/2024 13:38	WG2297221	

JC 07/10/24

JC 07/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		5.60	20.0	200	06/03/2024 13:38	WG2297221
1,3-Dichloropropane	U		14.0	40.0	200	06/03/2024 13:38	WG2297221
cis-1,3-Dichloropropene	U		5.42	20.0	200	06/03/2024 13:38	WG2297221
trans-1,3-Dichloropropene	U		12.2	40.0	200	06/03/2024 13:38	WG2297221
2,2-Dichloropropane	U		6.34	20.0	200	06/03/2024 13:38	WG2297221
Di-isopropyl ether	U		2.80	8.00	200	06/03/2024 13:38	WG2297221
Ethylbenzene	U		4.24	20.0	200	06/03/2024 13:38	WG2297221
Hexachloro-1,3-butadiene	U	~~J3~~	102	200	200	06/03/2024 13:38	WG2297221
Isopropylbenzene	U		6.90	20.0	200	06/03/2024 13:38	WG2297221
p-Isopropyltoluene	U		18.6	40.0	200	06/03/2024 13:38	WG2297221
2-Butanone (MEK)	U		100	200	200	06/03/2024 13:38	WG2297221
Methylene Chloride	U		53.0	200	200	06/03/2024 13:38	WG2297221
4-Methyl-2-pentanone (MIBK)	U		80.0	200	200	06/03/2024 13:38	WG2297221
Methyl tert-butyl ether	U		2.36	8.00	200	06/03/2024 13:38	WG2297221
Naphthalene	U	~~J3~~	24.8	100	200	06/03/2024 13:38	WG2297221
n-Propylbenzene	U		9.44	40.0	200	06/03/2024 13:38	WG2297221
Styrene	U		21.8	100	200	06/03/2024 13:38	WG2297221
1,1,1,2-Tetrachloroethane	U		4.00	20.0	200	06/03/2024 13:38	WG2297221
1,1,2,2-Tetrachloroethane	U		3.12	20.0	200	06/03/2024 13:38	WG2297221
1,1,2-Trichlorotrifluoroethane	U		5.40	20.0	200	06/03/2024 13:38	WG2297221
Tetrachloroethene	19.8	J	5.60	20.0	200	06/03/2024 13:38	WG2297221
Toluene	U		10.0	40.0	200	06/03/2024 13:38	WG2297221
1,2,3-Trichlorobenzene	U	~~J3 J4~~	5.00	100	200	06/03/2024 13:38	WG2297221
1,2,4-Trichlorobenzene	U	~~J3~~	38.6	100	200	06/03/2024 13:38	WG2297221
1,1,1-Trichloroethane	U		2.20	20.0	200	06/03/2024 13:38	WG2297221
1,1,2-Trichloroethane	U		7.06	20.0	200	06/03/2024 13:38	WG2297221
Trichloroethene	51.4		3.20	8.00	200	06/03/2024 13:38	WG2297221
Trichlorofluoromethane	U	UJ C3	4.00	20.0	200	06/03/2024 13:38	WG2297221
1,2,3-Trichloropropane	U		40.8	100	200	06/03/2024 13:38	WG2297221
1,2,4-Trimethylbenzene	U		9.28	40.0	200	06/03/2024 13:38	WG2297221
1,2,3-Trimethylbenzene	U		9.20	40.0	200	06/03/2024 13:38	WG2297221
1,3,5-Trimethylbenzene	U		8.64	40.0	200	06/03/2024 13:38	WG2297221
Vinyl chloride	11800		5.46	20.0	200	06/03/2024 13:38	WG2297221
Xylenes, Total	U		38.2	52.0	200	06/03/2024 13:38	WG2297221
Ethyl Ether	U		3.40	20.0	200	06/03/2024 13:38	WG2297221
Tetrahydrofuran	U		18.0	100	200	06/03/2024 13:38	WG2297221
Iodomethane	U		48.4	100	200	06/03/2024 13:38	WG2297221
Allyl chloride	U		116	200	200	06/03/2024 13:38	WG2297221
Trans-1,4-Dichloro-2-butene	U	UJ C3 J3	11.2	40.0	200	06/03/2024 13:38	WG2297221
(S) Toluene-d8	99.6			75.0-131		06/03/2024 13:38	WG2297221
(S) 4-Bromofluorobenzene	98.4			67.0-138		06/03/2024 13:38	WG2297221
(S) 1,2-Dichloroethane-d4	96.6			70.0-130		06/03/2024 13:38	WG2297221

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Sulfate	12000		594	5000	1	06/19/2024 16:38	WG2306750

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 9060A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	6950		102	1000	1	06/14/2024 21:03	WG2305123

Metals (ICPMS) by Method 6020B

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Iron	1680		28.1	100	1	06/26/2024 19:24	WG2298963
Manganese	585		0.704	5.00	1	06/26/2024 19:24	WG2298963

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Methane	6610		0.287	0.678	1	06/03/2024 12:11	WG2296812
Ethane	20.4		0.296	1.29	1	06/03/2024 12:11	WG2296812
Ethene	706		0.422	1.27	1	06/03/2024 12:11	WG2296812

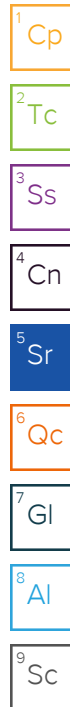
Volatile Organic Compounds (GC/MS) by Method 8260D

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Acetone	U		137	250	250	06/03/2024 13:57	WG2297221
Acrylonitrile	U		19.0	125	250	06/03/2024 13:57	WG2297221
Benzene	U		4.00	10.0	250	06/03/2024 13:57	WG2297221
Bromobenzene	U		10.5	125	250	06/03/2024 13:57	WG2297221
Bromodichloromethane	U		7.88	25.0	250	06/03/2024 13:57	WG2297221
Bromoform	U		59.8	250	250	06/03/2024 13:57	WG2297221
Bromomethane	U	UJ C3 J4	37.0	125	250	06/03/2024 13:57	WG2297221
n-Butylbenzene	U		38.3	125	250	06/03/2024 13:57	WG2297221
sec-Butylbenzene	U		25.3	125	250	06/03/2024 13:57	WG2297221
tert-Butylbenzene	U		15.5	50.0	250	06/03/2024 13:57	WG2297221
Carbon tetrachloride	U		10.8	50.0	250	06/03/2024 13:57	WG2297221
Chlorobenzene	U		5.73	25.0	250	06/03/2024 13:57	WG2297221
Chlorodibromomethane	U		4.50	25.0	250	06/03/2024 13:57	WG2297221
Chloroethane	U	UJ C3	10.8	50.0	250	06/03/2024 13:57	WG2297221
Chloroform	U		4.15	25.0	250	06/03/2024 13:57	WG2297221
Chloromethane	U		13.9	125	250	06/03/2024 13:57	WG2297221
2-Chlorotoluene	U		9.20	25.0	250	06/03/2024 13:57	WG2297221
4-Chlorotoluene	U		11.3	50.0	250	06/03/2024 13:57	WG2297221
1,2-Dibromo-3-Chloropropane	U		51.0	250	250	06/03/2024 13:57	WG2297221
1,2-Dibromoethane	U		5.25	25.0	250	06/03/2024 13:57	WG2297221
Dibromomethane	U		10.0	50.0	250	06/03/2024 13:57	WG2297221
1,2-Dichlorobenzene	U		14.5	50.0	250	06/03/2024 13:57	WG2297221
1,3-Dichlorobenzene	U		17.0	50.0	250	06/03/2024 13:57	WG2297221
1,4-Dichlorobenzene	U		19.7	50.0	250	06/03/2024 13:57	WG2297221
Dichlorodifluoromethane	U		8.18	50.0	250	06/03/2024 13:57	WG2297221
1,1-Dichloroethane	U		5.75	25.0	250	06/03/2024 13:57	WG2297221
1,2-Dichloroethane	U		4.75	25.0	250	06/03/2024 13:57	WG2297221
1,1-Dichloroethene	70.7		5.00	25.0	250	06/03/2024 13:57	WG2297221
cis-1,2-Dichloroethene	7000		6.90	25.0	250	06/03/2024 13:57	WG2297221
trans-1,2-Dichloroethene	19.8	J	14.3	50.0	250	06/03/2024 13:57	WG2297221
1,2-Dichloropropane	U		12.7	50.0	250	06/03/2024 13:57	WG2297221

JC 07/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		7.00	25.0	250	06/03/2024 13:57	WG2297221
1,3-Dichloropropane	U		17.5	50.0	250	06/03/2024 13:57	WG2297221
cis-1,3-Dichloropropene	U		6.78	25.0	250	06/03/2024 13:57	WG2297221
trans-1,3-Dichloropropene	U		15.3	50.0	250	06/03/2024 13:57	WG2297221
2,2-Dichloropropane	U		7.93	25.0	250	06/03/2024 13:57	WG2297221
Di-isopropyl ether	U		3.50	10.0	250	06/03/2024 13:57	WG2297221
Ethylbenzene	U		5.30	25.0	250	06/03/2024 13:57	WG2297221
Hexachloro-1,3-butadiene	U	~~J3~~	127	250	250	06/03/2024 13:57	WG2297221
Isopropylbenzene	U		8.63	25.0	250	06/03/2024 13:57	WG2297221
p-Isopropyltoluene	U		23.3	50.0	250	06/03/2024 13:57	WG2297221
2-Butanone (MEK)	U		125	250	250	06/03/2024 13:57	WG2297221
Methylene Chloride	U		66.3	250	250	06/03/2024 13:57	WG2297221
4-Methyl-2-pentanone (MIBK)	U		100	250	250	06/03/2024 13:57	WG2297221
Methyl tert-butyl ether	U		2.95	10.0	250	06/03/2024 13:57	WG2297221
Naphthalene	U	~~J3~~	31.0	125	250	06/03/2024 13:57	WG2297221
n-Propylbenzene	U		11.8	50.0	250	06/03/2024 13:57	WG2297221
Styrene	U		27.3	125	250	06/03/2024 13:57	WG2297221
1,1,1,2-Tetrachloroethane	U		5.00	25.0	250	06/03/2024 13:57	WG2297221
1,1,2,2-Tetrachloroethane	U		3.90	25.0	250	06/03/2024 13:57	WG2297221
1,1,2-Trichlorotrifluoroethane	U		6.75	25.0	250	06/03/2024 13:57	WG2297221
Tetrachloroethene	60.3		7.00	25.0	250	06/03/2024 13:57	WG2297221
Toluene	U		12.5	50.0	250	06/03/2024 13:57	WG2297221
1,2,3-Trichlorobenzene	U	~~J3 J4~~	6.25	125	250	06/03/2024 13:57	WG2297221
1,2,4-Trichlorobenzene	U	~~J3~~	48.3	125	250	06/03/2024 13:57	WG2297221
1,1,1-Trichloroethane	U		2.75	25.0	250	06/03/2024 13:57	WG2297221
1,1,2-Trichloroethane	U		8.83	25.0	250	06/03/2024 13:57	WG2297221
Trichloroethene	211		4.00	10.0	250	06/03/2024 13:57	WG2297221
Trichlorofluoromethane	U	UJ ~~C3~~	5.00	25.0	250	06/03/2024 13:57	WG2297221
1,2,3-Trichloropropane	U		51.0	125	250	06/03/2024 13:57	WG2297221
1,2,4-Trimethylbenzene	U		11.6	50.0	250	06/03/2024 13:57	WG2297221
1,2,3-Trimethylbenzene	U		11.5	50.0	250	06/03/2024 13:57	WG2297221
1,3,5-Trimethylbenzene	U		10.8	50.0	250	06/03/2024 13:57	WG2297221
Vinyl chloride	2250		6.82	25.0	250	06/03/2024 13:57	WG2297221
Xylenes, Total	U		47.8	65.0	250	06/03/2024 13:57	WG2297221
Ethyl Ether	U		4.25	25.0	250	06/03/2024 13:57	WG2297221
Tetrahydrofuran	U		22.5	125	250	06/03/2024 13:57	WG2297221
Iodomethane	U		60.5	125	250	06/03/2024 13:57	WG2297221
Allyl chloride	U		145	250	250	06/03/2024 13:57	WG2297221
Trans-1,4-Dichloro-2-butene	U	UJ ~~C3 J3~~	14.0	50.0	250	06/03/2024 13:57	WG2297221
(S) Toluene-d8	101			75.0-131		06/03/2024 13:57	WG2297221
(S) 4-Bromofluorobenzene	98.6			67.0-138		06/03/2024 13:57	WG2297221
(S) 1,2-Dichloroethane-d4	93.3			70.0-130		06/03/2024 13:57	WG2297221



JC 07/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	24000		594	5000	1	06/19/2024 17:05	WG2306750

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	6860		102	1000	1	06/14/2024 21:24	WG2305123

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	3580		28.1	100	1	06/26/2024 19:28	WG2298963
Manganese	1800		0.704	5.00	1	06/26/2024 19:28	WG2298963

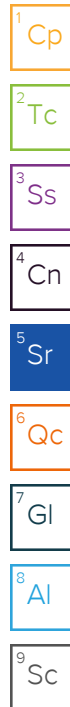
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	11100		2.87	6.78	10	06/03/2024 16:15	WG2297638
Ethane	17.1		0.296	1.29	1	06/03/2024 12:17	WG2296812
Ethene	11.5		0.422	1.27	1	06/03/2024 12:17	WG2296812

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	18.0	J	13.7	25.0	25	06/06/2024 00:11	WG2298944
Acrylonitrile	U		1.90	12.5	25	06/06/2024 00:11	WG2298944
Benzene	U		0.400	1.00	25	06/06/2024 00:11	WG2298944
Bromobenzene	U		1.05	12.5	25	06/06/2024 00:11	WG2298944
Bromodichloromethane	U		0.788	2.50	25	06/06/2024 00:11	WG2298944
Bromoform	U		5.98	25.0	25	06/06/2024 00:11	WG2298944
Bromomethane	U		3.70	12.5	25	06/06/2024 00:11	WG2298944
n-Butylbenzene	U		3.83	12.5	25	06/06/2024 00:11	WG2298944
sec-Butylbenzene	U		2.53	12.5	25	06/06/2024 00:11	WG2298944
tert-Butylbenzene	U		1.55	5.00	25	06/06/2024 00:11	WG2298944
Carbon tetrachloride	U		1.08	5.00	25	06/06/2024 00:11	WG2298944
Chlorobenzene	U		0.573	2.50	25	06/06/2024 00:11	WG2298944
Chlorodibromomethane	U		0.450	2.50	25	06/06/2024 00:11	WG2298944
Chloroethane	U		1.08	5.00	25	06/06/2024 00:11	WG2298944
Chloroform	U		0.415	2.50	25	06/06/2024 00:11	WG2298944
Chloromethane	U		1.39	12.5	25	06/06/2024 00:11	WG2298944
2-Chlorotoluene	U		0.920	2.50	25	06/06/2024 00:11	WG2298944
4-Chlorotoluene	U		1.13	5.00	25	06/06/2024 00:11	WG2298944
1,2-Dibromo-3-Chloropropane	U		5.10	25.0	25	06/06/2024 00:11	WG2298944
1,2-Dibromoethane	U		0.525	2.50	25	06/06/2024 00:11	WG2298944
Dibromomethane	U		1.00	5.00	25	06/06/2024 00:11	WG2298944
1,2-Dichlorobenzene	U		1.45	5.00	25	06/06/2024 00:11	WG2298944
1,3-Dichlorobenzene	U		1.70	5.00	25	06/06/2024 00:11	WG2298944
1,4-Dichlorobenzene	U		1.97	5.00	25	06/06/2024 00:11	WG2298944
Dichlorodifluoromethane	U		0.818	5.00	25	06/06/2024 00:11	WG2298944
1,1-Dichloroethane	U		0.575	2.50	25	06/06/2024 00:11	WG2298944
1,2-Dichloroethane	U		0.475	2.50	25	06/06/2024 00:11	WG2298944
1,1-Dichloroethene	38.1		0.500	2.50	25	06/06/2024 00:11	WG2298944
cis-1,2-Dichloroethene	1270		0.690	2.50	25	06/06/2024 00:11	WG2298944
trans-1,2-Dichloroethene	25.3		1.43	5.00	25	06/06/2024 00:11	WG2298944
1,2-Dichloropropane	U		1.27	5.00	25	06/06/2024 00:11	WG2298944

JC 07/10/24



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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1-Dichloropropene	U		0.700	2.50	25	06/06/2024 00:11	WG2298944
1,3-Dichloropropane	U		1.75	5.00	25	06/06/2024 00:11	WG2298944
cis-1,3-Dichloropropene	U		0.678	2.50	25	06/06/2024 00:11	WG2298944
trans-1,3-Dichloropropene	U		1.53	5.00	25	06/06/2024 00:11	WG2298944
2,2-Dichloropropane	U		0.793	2.50	25	06/06/2024 00:11	WG2298944
Di-isopropyl ether	U		0.350	1.00	25	06/06/2024 00:11	WG2298944
Ethylbenzene	U		0.530	2.50	25	06/06/2024 00:11	WG2298944
Hexachloro-1,3-butadiene	U		12.7	25.0	25	06/06/2024 00:11	WG2298944
Isopropylbenzene	U		0.863	2.50	25	06/06/2024 00:11	WG2298944
p-Isopropyltoluene	U		2.33	5.00	25	06/06/2024 00:11	WG2298944
2-Butanone (MEK)	U		12.5	25.0	25	06/06/2024 00:11	WG2298944
Methylene Chloride	U		6.63	25.0	25	06/06/2024 00:11	WG2298944
4-Methyl-2-pentanone (MIBK)	U		10.0	25.0	25	06/06/2024 00:11	WG2298944
Methyl tert-butyl ether	U		0.295	1.00	25	06/06/2024 00:11	WG2298944
Naphthalene	U		3.10	12.5	25	06/06/2024 00:11	WG2298944
n-Propylbenzene	U		1.18	5.00	25	06/06/2024 00:11	WG2298944
Styrene	U		2.73	12.5	25	06/06/2024 00:11	WG2298944
1,1,1,2-Tetrachloroethane	U		0.500	2.50	25	06/06/2024 00:11	WG2298944
1,1,2,2-Tetrachloroethane	U		0.390	2.50	25	06/06/2024 00:11	WG2298944
1,1,2-Trichlorotrifluoroethane	U		0.675	2.50	25	06/06/2024 00:11	WG2298944
Tetrachloroethene	116		0.700	2.50	25	06/06/2024 00:11	WG2298944
Toluene	U		1.25	5.00	25	06/06/2024 00:11	WG2298944
1,2,3-Trichlorobenzene	U		0.625	12.5	25	06/06/2024 00:11	WG2298944
1,2,4-Trichlorobenzene	U		4.83	12.5	25	06/06/2024 00:11	WG2298944
1,1,1-Trichloroethane	U		0.275	2.50	25	06/06/2024 00:11	WG2298944
1,1,2-Trichloroethane	U		0.883	2.50	25	06/06/2024 00:11	WG2298944
Trichloroethene	526		0.400	1.00	25	06/06/2024 00:11	WG2298944
Trichlorofluoromethane	U		0.500	2.50	25	06/06/2024 00:11	WG2298944
1,2,3-Trichloropropane	U		5.10	12.5	25	06/06/2024 00:11	WG2298944
1,2,4-Trimethylbenzene	U		1.16	5.00	25	06/06/2024 00:11	WG2298944
1,2,3-Trimethylbenzene	U		1.15	5.00	25	06/06/2024 00:11	WG2298944
1,3,5-Trimethylbenzene	U		1.08	5.00	25	06/06/2024 00:11	WG2298944
Vinyl chloride	22.6	J+ C5	0.682	2.50	25	06/06/2024 00:11	WG2298944
Xylenes, Total	U		4.78	6.50	25	06/06/2024 00:11	WG2298944
Ethyl Ether	U		0.425	2.50	25	06/06/2024 00:11	WG2298944
Tetrahydrofuran	U		2.25	12.5	25	06/06/2024 00:11	WG2298944
Iodomethane	U		6.05	12.5	25	06/06/2024 00:11	WG2298944
Allyl chloride	U		14.5	25.0	25	06/06/2024 00:11	WG2298944
Trans-1,4-Dichloro-2-butene	U		1.40	5.00	25	06/06/2024 00:11	WG2298944
(S) Toluene-d8	98.5			75.0-131		06/06/2024 00:11	WG2298944
(S) 4-Bromofluorobenzene	99.3			67.0-138		06/06/2024 00:11	WG2298944
(S) 1,2-Dichloroethane-d4	96.5			70.0-130		06/06/2024 00:11	WG2298944

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/03/2024 09:28	WG2297221
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 09:28	WG2297221
Benzene	1.51		0.0160	0.0400	1	06/03/2024 09:28	WG2297221
Bromobenzene	U		0.0420	0.500	1	06/03/2024 09:28	WG2297221
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 09:28	WG2297221
Bromoform	U		0.239	1.00	1	06/03/2024 09:28	WG2297221
Bromomethane	U	UJ C3 J4	0.148	0.500	1	06/03/2024 09:28	WG2297221
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 09:28	WG2297221
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 09:28	WG2297221
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 09:28	WG2297221
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 09:28	WG2297221
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 09:28	WG2297221
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 09:28	WG2297221
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 09:28	WG2297221
Chloroform	U		0.0166	0.100	1	06/03/2024 09:28	WG2297221
Chloromethane	U		0.0556	0.500	1	06/03/2024 09:28	WG2297221
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 09:28	WG2297221
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 09:28	WG2297221
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 09:28	WG2297221
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 09:28	WG2297221
Dibromomethane	U		0.0400	0.200	1	06/03/2024 09:28	WG2297221
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 09:28	WG2297221
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 09:28	WG2297221
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 09:28	WG2297221
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 09:28	WG2297221
1,1-Dichloroethane	0.0240	J	0.0230	0.100	1	06/03/2024 09:28	WG2297221
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 09:28	WG2297221
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 09:28	WG2297221
cis-1,2-Dichloroethene	6.77		0.0276	0.100	1	06/03/2024 09:28	WG2297221
trans-1,2-Dichloroethene	0.0690	J	0.0572	0.200	1	06/03/2024 09:28	WG2297221
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 09:28	WG2297221
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 09:28	WG2297221
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 09:28	WG2297221
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 09:28	WG2297221
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 09:28	WG2297221
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 09:28	WG2297221
Di-isopropyl ether	0.122		0.0140	0.0400	1	06/03/2024 09:28	WG2297221
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 09:28	WG2297221
Hexachloro-1,3-butadiene	U	J3	0.508	1.00	1	06/03/2024 09:28	WG2297221
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 09:28	WG2297221
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 09:28	WG2297221
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 09:28	WG2297221
Methylene Chloride	U		0.265	1.00	1	06/03/2024 09:28	WG2297221
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 09:28	WG2297221
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 09:28	WG2297221
Naphthalene	U	J3	0.124	0.500	1	06/03/2024 09:28	WG2297221
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 09:28	WG2297221
Styrene	U		0.109	0.500	1	06/03/2024 09:28	WG2297221
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 09:28	WG2297221
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 09:28	WG2297221
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 09:28	WG2297221
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 09:28	WG2297221
Toluene	U		0.0500	0.200	1	06/03/2024 09:28	WG2297221
1,2,3-Trichlorobenzene	U	J3 J4	0.0250	0.500	1	06/03/2024 09:28	WG2297221
1,2,4-Trichlorobenzene	U	J3	0.193	0.500	1	06/03/2024 09:28	WG2297221
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 09:28	WG2297221

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 07/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 09:28	WG2297221
Trichloroethene	U		0.0160	0.0400	1	06/03/2024 09:28	WG2297221
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	06/03/2024 09:28	WG2297221
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 09:28	WG2297221
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 09:28	WG2297221
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 09:28	WG2297221
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 09:28	WG2297221
Vinyl chloride	4.72		0.0273	0.100	1	06/03/2024 09:28	WG2297221
Xylenes, Total	U		0.191	0.260	1	06/03/2024 09:28	WG2297221
Ethyl Ether	0.0440	J	0.0170	0.100	1	06/03/2024 09:28	WG2297221
Tetrahydrofuran	U		0.0900	0.500	1	06/03/2024 09:28	WG2297221
Iodomethane	U		0.242	0.500	1	06/03/2024 09:28	WG2297221
Allyl chloride	U		0.580	1.00	1	06/03/2024 09:28	WG2297221
Trans-1,4-Dichloro-2-butene	U	UJ C3 ~~33~~	0.0560	0.200	1	06/03/2024 09:28	WG2297221
(S) Toluene-d8	101			75.0-131		06/03/2024 09:28	WG2297221
(S) 4-Bromofluorobenzene	96.4			67.0-138		06/03/2024 09:28	WG2297221
(S) 1,2-Dichloroethane-d4	97.4			70.0-130		06/03/2024 09:28	WG2297221

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	UJ	0.548	1.00	1	06/03/2024 09:47	WG2297221
Acrylonitrile	U	UJ	0.0760	0.500	1	06/03/2024 09:47	WG2297221
Benzene	0.0750	J	0.0160	0.0400	1	06/03/2024 09:47	WG2297221
Bromobenzene	U	UJ	0.0420	0.500	1	06/03/2024 09:47	WG2297221
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 09:47	WG2297221
Bromoform	U		0.239	1.00	1	06/03/2024 09:47	WG2297221
Bromomethane	U	C3 J4	0.148	0.500	1	06/03/2024 09:47	WG2297221
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 09:47	WG2297221
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 09:47	WG2297221
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 09:47	WG2297221
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 09:47	WG2297221
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 09:47	WG2297221
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 09:47	WG2297221
Chloroethane	U	C3	0.0432	0.200	1	06/03/2024 09:47	WG2297221
Chloroform	U		0.0166	0.100	1	06/03/2024 09:47	WG2297221
Chloromethane	U		0.0556	0.500	1	06/03/2024 09:47	WG2297221
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 09:47	WG2297221
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 09:47	WG2297221
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 09:47	WG2297221
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 09:47	WG2297221
Dibromomethane	U		0.0400	0.200	1	06/03/2024 09:47	WG2297221
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 09:47	WG2297221
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 09:47	WG2297221
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 09:47	WG2297221
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 09:47	WG2297221
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 09:47	WG2297221
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 09:47	WG2297221
1,1-Dichloroethene	U	UJ	0.0200	0.100	1	06/03/2024 09:47	WG2297221
cis-1,2-Dichloroethene	2.56	J	0.0276	0.100	1	06/03/2024 09:47	WG2297221
trans-1,2-Dichloroethene	U	UJ	0.0572	0.200	1	06/03/2024 09:47	WG2297221
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 09:47	WG2297221
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 09:47	WG2297221
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 09:47	WG2297221
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 09:47	WG2297221
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 09:47	WG2297221
2,2-Dichloropropane	U	UJ	0.0317	0.100	1	06/03/2024 09:47	WG2297221
Di-isopropyl ether	0.0880	J	0.0140	0.0400	1	06/03/2024 09:47	WG2297221
Ethylbenzene	U	UJ	0.0212	0.100	1	06/03/2024 09:47	WG2297221
Hexachloro-1,3-butadiene	U	J3	0.508	1.00	1	06/03/2024 09:47	WG2297221
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 09:47	WG2297221
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 09:47	WG2297221
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 09:47	WG2297221
Methylene Chloride	U		0.265	1.00	1	06/03/2024 09:47	WG2297221
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 09:47	WG2297221
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 09:47	WG2297221
Naphthalene	U	J3	0.124	0.500	1	06/03/2024 09:47	WG2297221
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 09:47	WG2297221
Styrene	U		0.109	0.500	1	06/03/2024 09:47	WG2297221
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 09:47	WG2297221
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 09:47	WG2297221
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 09:47	WG2297221
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 09:47	WG2297221
Toluene	U		0.0500	0.200	1	06/03/2024 09:47	WG2297221
1,2,3-Trichlorobenzene	U	J3 J4	0.0250	0.500	1	06/03/2024 09:47	WG2297221
1,2,4-Trichlorobenzene	U	J3	0.193	0.500	1	06/03/2024 09:47	WG2297221
1,1,1-Trichloroethane	U	UJ	0.0110	0.100	1	06/03/2024 09:47	WG2297221



JC 07/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U	UJ	0.0353	0.100	1	06/03/2024 09:47	WG2297221
Trichloroethene	U		0.0160	0.0400	1	06/03/2024 09:47	WG2297221
Trichlorofluoromethane	U	C3	0.0200	0.100	1	06/03/2024 09:47	WG2297221
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 09:47	WG2297221
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 09:47	WG2297221
1,2,3-Trimethylbenzene	U	UJ	0.0460	0.200	1	06/03/2024 09:47	WG2297221
1,3,5-Trimethylbenzene	U	UJ	0.0432	0.200	1	06/03/2024 09:47	WG2297221
Vinyl chloride	4.20	J	0.0273	0.100	1	06/03/2024 09:47	WG2297221
Xylenes, Total	U	UJ	0.191	0.260	1	06/03/2024 09:47	WG2297221
Ethyl Ether	0.0390	J J	0.0170	0.100	1	06/03/2024 09:47	WG2297221
Tetrahydrofuran	U	UJ	0.0900	0.500	1	06/03/2024 09:47	WG2297221
Iodomethane	U		0.242	0.500	1	06/03/2024 09:47	WG2297221
Allyl chloride	U		0.580	1.00	1	06/03/2024 09:47	WG2297221
Trans-1,4-Dichloro-2-butene	U	UJ C3 J3	0.0560	0.200	1	06/03/2024 09:47	WG2297221
(S) Toluene-d8	98.3			75.0-131		06/03/2024 09:47	WG2297221
(S) 4-Bromofluorobenzene	97.6			67.0-138		06/03/2024 09:47	WG2297221
(S) 1,2-Dichloroethane-d4	96.9			70.0-130		06/03/2024 09:47	WG2297221

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 07/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	UJ	0.548	1.00	1	06/03/2024 10:06	WG2297221
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 10:06	WG2297221
Benzene	U		0.0160	0.0400	1	06/03/2024 10:06	WG2297221
Bromobenzene	U		0.0420	0.500	1	06/03/2024 10:06	WG2297221
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 10:06	WG2297221
Bromoform	U		0.239	1.00	1	06/03/2024 10:06	WG2297221
Bromomethane	U	C3 J4	0.148	0.500	1	06/03/2024 10:06	WG2297221
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 10:06	WG2297221
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 10:06	WG2297221
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 10:06	WG2297221
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 10:06	WG2297221
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 10:06	WG2297221
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 10:06	WG2297221
Chloroethane	U	C3	0.0432	0.200	1	06/03/2024 10:06	WG2297221
Chloroform	U		0.0166	0.100	1	06/03/2024 10:06	WG2297221
Chloromethane	U		0.0556	0.500	1	06/03/2024 10:06	WG2297221
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 10:06	WG2297221
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 10:06	WG2297221
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 10:06	WG2297221
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 10:06	WG2297221
Dibromomethane	U		0.0400	0.200	1	06/03/2024 10:06	WG2297221
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 10:06	WG2297221
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 10:06	WG2297221
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 10:06	WG2297221
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 10:06	WG2297221
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 10:06	WG2297221
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 10:06	WG2297221
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 10:06	WG2297221
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/03/2024 10:06	WG2297221
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2024 10:06	WG2297221
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 10:06	WG2297221
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 10:06	WG2297221
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 10:06	WG2297221
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 10:06	WG2297221
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 10:06	WG2297221
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 10:06	WG2297221
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 10:06	WG2297221
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 10:06	WG2297221
Hexachloro-1,3-butadiene	U	J3	0.508	1.00	1	06/03/2024 10:06	WG2297221
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 10:06	WG2297221
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 10:06	WG2297221
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 10:06	WG2297221
Methylene Chloride	U		0.265	1.00	1	06/03/2024 10:06	WG2297221
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 10:06	WG2297221
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 10:06	WG2297221
Naphthalene	U	J3	0.124	0.500	1	06/03/2024 10:06	WG2297221
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 10:06	WG2297221
Styrene	U		0.109	0.500	1	06/03/2024 10:06	WG2297221
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 10:06	WG2297221
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 10:06	WG2297221
1,1,2-Trichlorotrifluoroethane	U	UJ	0.0270	0.100	1	06/03/2024 10:06	WG2297221
Tetrachloroethene	0.0420 J	J	0.0280	0.100	1	06/03/2024 10:06	WG2297221
Toluene	U	UJ	0.0500	0.200	1	06/03/2024 10:06	WG2297221
1,2,3-Trichlorobenzene	U	J3 J4	0.0250	0.500	1	06/03/2024 10:06	WG2297221
1,2,4-Trichlorobenzene	U	J3	0.193	0.500	1	06/03/2024 10:06	WG2297221
1,1,1-Trichloroethane	U	UJ	0.0110	0.100	1	06/03/2024 10:06	WG2297221

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U	UJ	0.0353	0.100	1	06/03/2024 10:06	WG2297221
Trichloroethene	U		0.0160	0.0400	1	06/03/2024 10:06	WG2297221
Trichlorofluoromethane	U	C3	0.0200	0.100	1	06/03/2024 10:06	WG2297221
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 10:06	WG2297221
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 10:06	WG2297221
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 10:06	WG2297221
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 10:06	WG2297221
Vinyl chloride	U		0.0273	0.100	1	06/03/2024 10:06	WG2297221
Xylenes, Total	U		0.191	0.260	1	06/03/2024 10:06	WG2297221
Ethyl Ether	U		0.0170	0.100	1	06/03/2024 10:06	WG2297221
Tetrahydrofuran	U		0.0900	0.500	1	06/03/2024 10:06	WG2297221
Iodomethane	U		0.242	0.500	1	06/03/2024 10:06	WG2297221
Allyl chloride	U	UJ	0.580	1.00	1	06/03/2024 10:06	WG2297221
Trans-1,4-Dichloro-2-butene	U	C3 J3	0.0560	0.200	1	06/03/2024 10:06	WG2297221
(S) Toluene-d8	101			75.0-131		06/03/2024 10:06	WG2297221
(S) 4-Bromofluorobenzene	94.8			67.0-138		06/03/2024 10:06	WG2297221
(S) 1,2-Dichloroethane-d4	96.6			70.0-130		06/03/2024 10:06	WG2297221

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

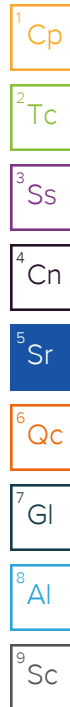
7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	0.679	J	0.548	1.00	1	06/05/2024 23:27	WG2298944
Acrylonitrile	U		0.0760	0.500	1	06/05/2024 23:27	WG2298944
Benzene	0.0210	J	0.0160	0.0400	1	06/05/2024 23:27	WG2298944
Bromobenzene	U		0.0420	0.500	1	06/05/2024 23:27	WG2298944
Bromodichloromethane	U		0.0315	0.100	1	06/05/2024 23:27	WG2298944
Bromoform	U		0.239	1.00	1	06/05/2024 23:27	WG2298944
Bromomethane	U		0.148	0.500	1	06/05/2024 23:27	WG2298944
n-Butylbenzene	U		0.153	0.500	1	06/05/2024 23:27	WG2298944
sec-Butylbenzene	U		0.101	0.500	1	06/05/2024 23:27	WG2298944
tert-Butylbenzene	U		0.0620	0.200	1	06/05/2024 23:27	WG2298944
Carbon tetrachloride	U		0.0432	0.200	1	06/05/2024 23:27	WG2298944
Chlorobenzene	U		0.0229	0.100	1	06/05/2024 23:27	WG2298944
Chlorodibromomethane	U		0.0180	0.100	1	06/05/2024 23:27	WG2298944
Chloroethane	U		0.0432	0.200	1	06/05/2024 23:27	WG2298944
Chloroform	U		0.0166	0.100	1	06/05/2024 23:27	WG2298944
Chloromethane	U		0.0556	0.500	1	06/05/2024 23:27	WG2298944
2-Chlorotoluene	U		0.0368	0.100	1	06/05/2024 23:27	WG2298944
4-Chlorotoluene	U		0.0452	0.200	1	06/05/2024 23:27	WG2298944
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/05/2024 23:27	WG2298944
1,2-Dibromoethane	U		0.0210	0.100	1	06/05/2024 23:27	WG2298944
Dibromomethane	U		0.0400	0.200	1	06/05/2024 23:27	WG2298944
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/05/2024 23:27	WG2298944
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/05/2024 23:27	WG2298944
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/05/2024 23:27	WG2298944
Dichlorodifluoromethane	U		0.0327	0.200	1	06/05/2024 23:27	WG2298944
1,1-Dichloroethane	U		0.0230	0.100	1	06/05/2024 23:27	WG2298944
1,2-Dichloroethane	U		0.0190	0.100	1	06/05/2024 23:27	WG2298944
1,1-Dichloroethene	0.101		0.0200	0.100	1	06/05/2024 23:27	WG2298944
cis-1,2-Dichloroethene	58.4		0.0276	0.100	1	06/05/2024 23:27	WG2298944
trans-1,2-Dichloroethene	0.501		0.0572	0.200	1	06/05/2024 23:27	WG2298944
1,2-Dichloropropane	U		0.0508	0.200	1	06/05/2024 23:27	WG2298944
1,1-Dichloropropene	U		0.0280	0.100	1	06/05/2024 23:27	WG2298944
1,3-Dichloropropane	U		0.0700	0.200	1	06/05/2024 23:27	WG2298944
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/05/2024 23:27	WG2298944
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/05/2024 23:27	WG2298944
2,2-Dichloropropane	U		0.0317	0.100	1	06/05/2024 23:27	WG2298944
Di-isopropyl ether	U		0.0140	0.0400	1	06/05/2024 23:27	WG2298944
Ethylbenzene	U		0.0212	0.100	1	06/05/2024 23:27	WG2298944
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/05/2024 23:27	WG2298944
Isopropylbenzene	U		0.0345	0.100	1	06/05/2024 23:27	WG2298944
p-Isopropyltoluene	U		0.0932	0.200	1	06/05/2024 23:27	WG2298944
2-Butanone (MEK)	U		0.500	1.00	1	06/05/2024 23:27	WG2298944
Methylene Chloride	U		0.265	1.00	1	06/05/2024 23:27	WG2298944
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/05/2024 23:27	WG2298944
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/05/2024 23:27	WG2298944
Naphthalene	U		0.124	0.500	1	06/05/2024 23:27	WG2298944
n-Propylbenzene	U		0.0472	0.200	1	06/05/2024 23:27	WG2298944
Styrene	U		0.109	0.500	1	06/05/2024 23:27	WG2298944
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/05/2024 23:27	WG2298944
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/05/2024 23:27	WG2298944
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/05/2024 23:27	WG2298944
Tetrachloroethene	2.13		0.0280	0.100	1	06/05/2024 23:27	WG2298944
Toluene	U		0.0500	0.200	1	06/05/2024 23:27	WG2298944
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/05/2024 23:27	WG2298944
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/05/2024 23:27	WG2298944
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/05/2024 23:27	WG2298944



JC 07/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/05/2024 23:27	WG2298944
Trichloroethene	6.50		0.0160	0.0400	1	06/05/2024 23:27	WG2298944
Trichlorofluoromethane	U		0.0200	0.100	1	06/05/2024 23:27	WG2298944
1,2,3-Trichloropropane	U		0.204	0.500	1	06/05/2024 23:27	WG2298944
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/05/2024 23:27	WG2298944
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/05/2024 23:27	WG2298944
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/05/2024 23:27	WG2298944
Vinyl chloride	0.148	J+ C5	0.0273	0.100	1	06/05/2024 23:27	WG2298944
Xylenes, Total	U		0.191	0.260	1	06/05/2024 23:27	WG2298944
Ethyl Ether	U		0.0170	0.100	1	06/05/2024 23:27	WG2298944
Tetrahydrofuran	U		0.0900	0.500	1	06/05/2024 23:27	WG2298944
Iodomethane	U		0.242	0.500	1	06/05/2024 23:27	WG2298944
Allyl chloride	U		0.580	1.00	1	06/05/2024 23:27	WG2298944
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/05/2024 23:27	WG2298944
(S) Toluene-d8	99.3			75.0-131		06/05/2024 23:27	WG2298944
(S) 4-Bromofluorobenzene	106			67.0-138		06/05/2024 23:27	WG2298944
(S) 1,2-Dichloroethane-d4	96.9			70.0-130		06/05/2024 23:27	WG2298944

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

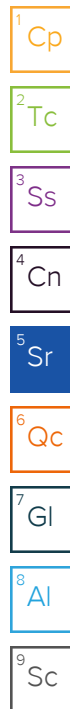
7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	06/03/2024 10:25	WG2297221
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 10:25	WG2297221
Benzene	U		0.0160	0.0400	1	06/03/2024 10:25	WG2297221
Bromobenzene	U		0.0420	0.500	1	06/03/2024 10:25	WG2297221
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 10:25	WG2297221
Bromoform	U		0.239	1.00	1	06/03/2024 10:25	WG2297221
Bromomethane	U	UJ C3 J4	0.148	0.500	1	06/03/2024 10:25	WG2297221
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 10:25	WG2297221
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 10:25	WG2297221
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 10:25	WG2297221
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 10:25	WG2297221
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 10:25	WG2297221
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 10:25	WG2297221
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 10:25	WG2297221
Chloroform	U		0.0166	0.100	1	06/03/2024 10:25	WG2297221
Chloromethane	U		0.0556	0.500	1	06/03/2024 10:25	WG2297221
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 10:25	WG2297221
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 10:25	WG2297221
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 10:25	WG2297221
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 10:25	WG2297221
Dibromomethane	U		0.0400	0.200	1	06/03/2024 10:25	WG2297221
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 10:25	WG2297221
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 10:25	WG2297221
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 10:25	WG2297221
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 10:25	WG2297221
1,1-Dichloroethane	0.0410	J	0.0230	0.100	1	06/03/2024 10:25	WG2297221
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 10:25	WG2297221
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 10:25	WG2297221
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/03/2024 10:25	WG2297221
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2024 10:25	WG2297221
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 10:25	WG2297221
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 10:25	WG2297221
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 10:25	WG2297221
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 10:25	WG2297221
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 10:25	WG2297221
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 10:25	WG2297221
Di-isopropyl ether	0.0870		0.0140	0.0400	1	06/03/2024 10:25	WG2297221
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 10:25	WG2297221
Hexachloro-1,3-butadiene	U	~~J3~~	0.508	1.00	1	06/03/2024 10:25	WG2297221
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 10:25	WG2297221
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 10:25	WG2297221
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 10:25	WG2297221
Methylene Chloride	U		0.265	1.00	1	06/03/2024 10:25	WG2297221
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 10:25	WG2297221
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 10:25	WG2297221
Naphthalene	0.214	~~J3~~	0.124	0.500	1	06/03/2024 10:25	WG2297221
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 10:25	WG2297221
Styrene	U		0.109	0.500	1	06/03/2024 10:25	WG2297221
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 10:25	WG2297221
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 10:25	WG2297221
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 10:25	WG2297221
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 10:25	WG2297221
Toluene	U		0.0500	0.200	1	06/03/2024 10:25	WG2297221
1,2,3-Trichlorobenzene	U	~~J3 J4~~	0.0250	0.500	1	06/03/2024 10:25	WG2297221
1,2,4-Trichlorobenzene	U	~~J3~~	0.193	0.500	1	06/03/2024 10:25	WG2297221
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 10:25	WG2297221



JC 07/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 10:25	WG2297221
Trichloroethene	U		0.0160	0.0400	1	06/03/2024 10:25	WG2297221
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	06/03/2024 10:25	WG2297221
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 10:25	WG2297221
1,2,4-Trimethylbenzene	0.0840	J	0.0464	0.200	1	06/03/2024 10:25	WG2297221
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 10:25	WG2297221
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 10:25	WG2297221
Vinyl chloride	U		0.0273	0.100	1	06/03/2024 10:25	WG2297221
Xylenes, Total	U		0.191	0.260	1	06/03/2024 10:25	WG2297221
Ethyl Ether	U		0.0170	0.100	1	06/03/2024 10:25	WG2297221
Tetrahydrofuran	0.264	J	0.0900	0.500	1	06/03/2024 10:25	WG2297221
Iodomethane	U		0.242	0.500	1	06/03/2024 10:25	WG2297221
Allyl chloride	U		0.580	1.00	1	06/03/2024 10:25	WG2297221
Trans-1,4-Dichloro-2-butene	U	UJ C3 J3	0.0560	0.200	1	06/03/2024 10:25	WG2297221
(S) Toluene-d8	103			75.0-131		06/03/2024 10:25	WG2297221
(S) 4-Bromofluorobenzene	96.9			67.0-138		06/03/2024 10:25	WG2297221
(S) 1,2-Dichloroethane-d4	100			70.0-130		06/03/2024 10:25	WG2297221

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	06/03/2024 10:45	WG2297221
Acrylonitrile	3.11	J+ C5	0.0760	0.500	1	06/03/2024 10:45	WG2297221
Benzene	0.0190	J	0.0160	0.0400	1	06/03/2024 10:45	WG2297221
Bromobenzene	U		0.0420	0.500	1	06/03/2024 10:45	WG2297221
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 10:45	WG2297221
Bromoform	U		0.239	1.00	1	06/03/2024 10:45	WG2297221
Bromomethane	U	UJ C3 J4	0.148	0.500	1	06/03/2024 10:45	WG2297221
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 10:45	WG2297221
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 10:45	WG2297221
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 10:45	WG2297221
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 10:45	WG2297221
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 10:45	WG2297221
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 10:45	WG2297221
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 10:45	WG2297221
Chloroform	0.0500	J	0.0166	0.100	1	06/03/2024 10:45	WG2297221
Chloromethane	U		0.0556	0.500	1	06/03/2024 10:45	WG2297221
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 10:45	WG2297221
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 10:45	WG2297221
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 10:45	WG2297221
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 10:45	WG2297221
Dibromomethane	U		0.0400	0.200	1	06/03/2024 10:45	WG2297221
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 10:45	WG2297221
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 10:45	WG2297221
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 10:45	WG2297221
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 10:45	WG2297221
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 10:45	WG2297221
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 10:45	WG2297221
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 10:45	WG2297221
cis-1,2-Dichloroethene	0.577		0.0276	0.100	1	06/03/2024 10:45	WG2297221
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2024 10:45	WG2297221
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 10:45	WG2297221
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 10:45	WG2297221
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 10:45	WG2297221
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 10:45	WG2297221
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 10:45	WG2297221
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 10:45	WG2297221
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 10:45	WG2297221
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 10:45	WG2297221
Hexachloro-1,3-butadiene	U	J3	0.508	1.00	1	06/03/2024 10:45	WG2297221
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 10:45	WG2297221
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 10:45	WG2297221
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 10:45	WG2297221
Methylene Chloride	U		0.265	1.00	1	06/03/2024 10:45	WG2297221
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 10:45	WG2297221
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 10:45	WG2297221
Naphthalene	U	J3	0.124	0.500	1	06/03/2024 10:45	WG2297221
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 10:45	WG2297221
Styrene	U		0.109	0.500	1	06/03/2024 10:45	WG2297221
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 10:45	WG2297221
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 10:45	WG2297221
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 10:45	WG2297221
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 10:45	WG2297221
Toluene	U		0.0500	0.200	1	06/03/2024 10:45	WG2297221
1,2,3-Trichlorobenzene	U	J3 J4	0.0250	0.500	1	06/03/2024 10:45	WG2297221
1,2,4-Trichlorobenzene	U	J3	0.193	0.500	1	06/03/2024 10:45	WG2297221
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 10:45	WG2297221

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

JC 07/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 10:45	WG2297221
Trichloroethene	U		0.0160	0.0400	1	06/03/2024 10:45	WG2297221
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	06/03/2024 10:45	WG2297221
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 10:45	WG2297221
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 10:45	WG2297221
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 10:45	WG2297221
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 10:45	WG2297221
Vinyl chloride	U		0.0273	0.100	1	06/03/2024 10:45	WG2297221
Xylenes, Total	U		0.191	0.260	1	06/03/2024 10:45	WG2297221
Ethyl Ether	U		0.0170	0.100	1	06/03/2024 10:45	WG2297221
Tetrahydrofuran	0.154	J	0.0900	0.500	1	06/03/2024 10:45	WG2297221
Iodomethane	U		0.242	0.500	1	06/03/2024 10:45	WG2297221
Allyl chloride	U		0.580	1.00	1	06/03/2024 10:45	WG2297221
Trans-1,4-Dichloro-2-butene	U	UJ C3 J3	0.0560	0.200	1	06/03/2024 10:45	WG2297221
(S) Toluene-d8	99.7			75.0-131		06/03/2024 10:45	WG2297221
(S) 4-Bromofluorobenzene	98.9			67.0-138		06/03/2024 10:45	WG2297221
(S) 1,2-Dichloroethane-d4	95.9			70.0-130		06/03/2024 10:45	WG2297221

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

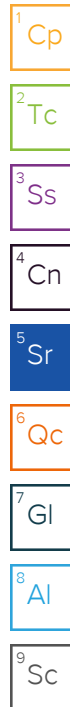
9Sc

JC 07/10/24

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/03/2024 11:04	WG2297221
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 11:04	WG2297221
Benzene	0.0310	J	0.0160	0.0400	1	06/03/2024 11:04	WG2297221
Bromobenzene	U		0.0420	0.500	1	06/03/2024 11:04	WG2297221
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 11:04	WG2297221
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 11:04	WG2297221
Bromoform	U		0.239	1.00	1	06/03/2024 11:04	WG2297221
Bromomethane	U	UJ C3 J4	0.148	0.500	1	06/03/2024 11:04	WG2297221
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 11:04	WG2297221
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 11:04	WG2297221
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 11:04	WG2297221
Carbon disulfide	U		0.162	0.500	1	06/03/2024 11:04	WG2297221
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 11:04	WG2297221
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 11:04	WG2297221
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 11:04	WG2297221
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 11:04	WG2297221
Chloroform	U		0.0166	0.100	1	06/03/2024 11:04	WG2297221
Chloromethane	U		0.0556	0.500	1	06/03/2024 11:04	WG2297221
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 11:04	WG2297221
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 11:04	WG2297221
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 11:04	WG2297221
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 11:04	WG2297221
Dibromomethane	U		0.0400	0.200	1	06/03/2024 11:04	WG2297221
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 11:04	WG2297221
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 11:04	WG2297221
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 11:04	WG2297221
trans-1,4-Dichloro-2-butene	U	UJ C3 J3	0.0560	0.200	1	06/03/2024 11:04	WG2297221
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 11:04	WG2297221
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 11:04	WG2297221
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 11:04	WG2297221
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 11:04	WG2297221
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/03/2024 11:04	WG2297221
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2024 11:04	WG2297221
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 11:04	WG2297221
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 11:04	WG2297221
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 11:04	WG2297221
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 11:04	WG2297221
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 11:04	WG2297221
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 11:04	WG2297221
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 11:04	WG2297221
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 11:04	WG2297221
Hexachloro-1,3-butadiene	U	J3	0.508	1.00	1	06/03/2024 11:04	WG2297221
2-Hexanone	U		0.400	1.00	1	06/03/2024 11:04	WG2297221
n-Hexane	U		0.0424	0.200	1	06/03/2024 11:04	WG2297221
Iodomethane	U		0.242	0.500	1	06/03/2024 11:04	WG2297221
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 11:04	WG2297221
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 11:04	WG2297221
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 11:04	WG2297221
Methylene Chloride	U		0.265	1.00	1	06/03/2024 11:04	WG2297221
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 11:04	WG2297221
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 11:04	WG2297221
Naphthalene	U	J3	0.124	0.500	1	06/03/2024 11:04	WG2297221
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 11:04	WG2297221
Styrene	U		0.109	0.500	1	06/03/2024 11:04	WG2297221
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 11:04	WG2297221
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 11:04	WG2297221

JC 7/10/24



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 11:04	WG2297221
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 11:04	WG2297221
Toluene	U		0.0500	0.200	1	06/03/2024 11:04	WG2297221
1,2,3-Trichlorobenzene	U	~~J3~~ ~~J4~~	0.0250	0.500	1	06/03/2024 11:04	WG2297221
1,2,4-Trichlorobenzene	U	~~J3~~	0.193	0.500	1	06/03/2024 11:04	WG2297221
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 11:04	WG2297221
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 11:04	WG2297221
Trichloroethene	U		0.0160	0.0400	1	06/03/2024 11:04	WG2297221
Trichlorofluoromethane	U	UJ <u>C3</u>	0.0200	0.100	1	06/03/2024 11:04	WG2297221
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 11:04	WG2297221
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 11:04	WG2297221
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 11:04	WG2297221
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 11:04	WG2297221
Vinyl acetate	U	UJ <u>C3</u>	0.141	0.500	1	06/03/2024 11:04	WG2297221
Vinyl chloride	U		0.0273	0.100	1	06/03/2024 11:04	WG2297221
Xylenes, Total	U		0.191	0.260	1	06/03/2024 11:04	WG2297221
(S) Toluene-d8	100			75.0-131		06/03/2024 11:04	WG2297221
(S) 4-Bromofluorobenzene	98.9			67.0-138		06/03/2024 11:04	WG2297221
(S) 1,2-Dichloroethane-d4	101			70.0-130		06/03/2024 11:04	WG2297221

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

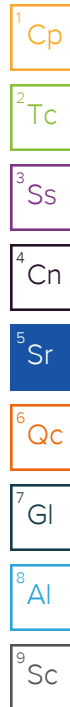
7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	06/03/2024 11:24	WG2297221
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 11:24	WG2297221
Benzene	0.0220	J	0.0160	0.0400	1	06/03/2024 11:24	WG2297221
Bromobenzene	U		0.0420	0.500	1	06/03/2024 11:24	WG2297221
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 11:24	WG2297221
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 11:24	WG2297221
Bromoform	U		0.239	1.00	1	06/03/2024 11:24	WG2297221
Bromomethane	U	UJ C3 J4	0.148	0.500	1	06/03/2024 11:24	WG2297221
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 11:24	WG2297221
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 11:24	WG2297221
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 11:24	WG2297221
Carbon disulfide	U		0.162	0.500	1	06/03/2024 11:24	WG2297221
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 11:24	WG2297221
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 11:24	WG2297221
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 11:24	WG2297221
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 11:24	WG2297221
Chloroform	U		0.0166	0.100	1	06/03/2024 11:24	WG2297221
Chloromethane	U		0.0556	0.500	1	06/03/2024 11:24	WG2297221
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 11:24	WG2297221
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 11:24	WG2297221
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 11:24	WG2297221
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 11:24	WG2297221
Dibromomethane	U		0.0400	0.200	1	06/03/2024 11:24	WG2297221
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 11:24	WG2297221
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 11:24	WG2297221
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 11:24	WG2297221
trans-1,4-Dichloro-2-butene	U	UJ C3 J3	0.0560	0.200	1	06/03/2024 11:24	WG2297221
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 11:24	WG2297221
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 11:24	WG2297221
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 11:24	WG2297221
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 11:24	WG2297221
cis-1,2-Dichloroethene	4.98		0.0276	0.100	1	06/03/2024 11:24	WG2297221
trans-1,2-Dichloroethene	0.0640	J	0.0572	0.200	1	06/03/2024 11:24	WG2297221
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 11:24	WG2297221
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 11:24	WG2297221
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 11:24	WG2297221
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 11:24	WG2297221
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 11:24	WG2297221
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 11:24	WG2297221
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 11:24	WG2297221
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 11:24	WG2297221
Hexachloro-1,3-butadiene	U	J3	0.508	1.00	1	06/03/2024 11:24	WG2297221
2-Hexanone	U		0.400	1.00	1	06/03/2024 11:24	WG2297221
n-Hexane	U		0.0424	0.200	1	06/03/2024 11:24	WG2297221
Iodomethane	U		0.242	0.500	1	06/03/2024 11:24	WG2297221
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 11:24	WG2297221
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 11:24	WG2297221
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 11:24	WG2297221
Methylene Chloride	U		0.265	1.00	1	06/03/2024 11:24	WG2297221
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 11:24	WG2297221
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 11:24	WG2297221
Naphthalene	U	J3	0.124	0.500	1	06/03/2024 11:24	WG2297221
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 11:24	WG2297221
Styrene	U		0.109	0.500	1	06/03/2024 11:24	WG2297221
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 11:24	WG2297221
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 11:24	WG2297221



JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 11:24	WG2297221
Tetrachloroethene	43.5		0.0280	0.100	1	06/03/2024 11:24	WG2297221
Toluene	U		0.0500	0.200	1	06/03/2024 11:24	WG2297221
1,2,3-Trichlorobenzene	U	~~J3 J4~~	0.0250	0.500	1	06/03/2024 11:24	WG2297221
1,2,4-Trichlorobenzene	U	~~J3~~	0.193	0.500	1	06/03/2024 11:24	WG2297221
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 11:24	WG2297221
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 11:24	WG2297221
Trichloroethene	10.4		0.0160	0.0400	1	06/03/2024 11:24	WG2297221
Trichlorofluoromethane	U	UJ <u>C3</u>	0.0200	0.100	1	06/03/2024 11:24	WG2297221
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 11:24	WG2297221
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 11:24	WG2297221
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 11:24	WG2297221
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 11:24	WG2297221
Vinyl acetate	U	UJ <u>C3</u>	0.141	0.500	1	06/03/2024 11:24	WG2297221
Vinyl chloride	U		0.0273	0.100	1	06/03/2024 11:24	WG2297221
Xylenes, Total	U		0.191	0.260	1	06/03/2024 11:24	WG2297221
(S) Toluene-d8	99.6			75.0-131		06/03/2024 11:24	WG2297221
(S) 4-Bromofluorobenzene	97.4			67.0-138		06/03/2024 11:24	WG2297221
(S) 1,2-Dichloroethane-d4	99.7			70.0-130		06/03/2024 11:24	WG2297221

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	5830		594	5000	1	06/19/2024 13:26	WG2306764

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	10400		102	1000	1	06/17/2024 03:46	WG2306216

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	3070		28.1	100	1	06/24/2024 20:38	WG2300935
Manganese	876		0.704	5.00	1	06/24/2024 20:38	WG2300935

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	10900		2.87	6.78	10	06/03/2024 17:10	WG2297638
Ethane	163		0.296	1.29	1	06/03/2024 12:33	WG2297122
Ethene	13.7		0.422	1.27	1	06/03/2024 12:33	WG2297122

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	1.36	U	~~C5~~	0.548	1.00	1	06/05/2024 23:48	WG2298944
Acrylonitrile	U		0.0760	0.500	1	06/05/2024 23:48	WG2298944	
Benzene	U		0.0160	0.0400	1	06/05/2024 23:48	WG2298944	
Bromobenzene	U		0.0420	0.500	1	06/05/2024 23:48	WG2298944	
Bromochloromethane	U		0.0452	0.200	1	06/05/2024 23:48	WG2298944	
Bromodichloromethane	U		0.0315	0.100	1	06/05/2024 23:48	WG2298944	
Bromoform	U		0.239	1.00	1	06/05/2024 23:48	WG2298944	
Bromomethane	U		0.148	0.500	1	06/05/2024 23:48	WG2298944	
n-Butylbenzene	U		0.153	0.500	1	06/05/2024 23:48	WG2298944	
sec-Butylbenzene	U		0.101	0.500	1	06/05/2024 23:48	WG2298944	
tert-Butylbenzene	U		0.0620	0.200	1	06/05/2024 23:48	WG2298944	
Carbon disulfide	U		0.162	0.500	1	06/05/2024 23:48	WG2298944	
Carbon tetrachloride	U		0.0432	0.200	1	06/05/2024 23:48	WG2298944	
Chlorobenzene	U		0.0229	0.100	1	06/05/2024 23:48	WG2298944	
Chlorodibromomethane	U		0.0180	0.100	1	06/05/2024 23:48	WG2298944	
Chloroethane	U		0.0432	0.200	1	06/05/2024 23:48	WG2298944	
Chloroform	U		0.0166	0.100	1	06/05/2024 23:48	WG2298944	
Chloromethane	U		0.0556	0.500	1	06/05/2024 23:48	WG2298944	
2-Chlorotoluene	U		0.0368	0.100	1	06/05/2024 23:48	WG2298944	
4-Chlorotoluene	U		0.0452	0.200	1	06/05/2024 23:48	WG2298944	
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/05/2024 23:48	WG2298944	
1,2-Dibromoethane	U		0.0210	0.100	1	06/05/2024 23:48	WG2298944	
Dibromomethane	U		0.0400	0.200	1	06/05/2024 23:48	WG2298944	
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/05/2024 23:48	WG2298944	
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/05/2024 23:48	WG2298944	
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/05/2024 23:48	WG2298944	
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/05/2024 23:48	WG2298944	
Dichlorodifluoromethane	U		0.0327	0.200	1	06/05/2024 23:48	WG2298944	
1,1-Dichloroethane	U		0.0230	0.100	1	06/05/2024 23:48	WG2298944	
1,2-Dichloroethane	U		0.0190	0.100	1	06/05/2024 23:48	WG2298944	
1,1-Dichloroethene	U		0.0200	0.100	1	06/05/2024 23:48	WG2298944	

JC 7/10/24

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
cis-1,2-Dichloroethene	0.344		0.0276	0.100	1	06/05/2024 23:48	WG2298944	
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/05/2024 23:48	WG2298944	
1,2-Dichloropropane	U		0.0508	0.200	1	06/05/2024 23:48	WG2298944	
1,1-Dichloropropene	U		0.0280	0.100	1	06/05/2024 23:48	WG2298944	
1,3-Dichloropropane	U		0.0700	0.200	1	06/05/2024 23:48	WG2298944	
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/05/2024 23:48	WG2298944	
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/05/2024 23:48	WG2298944	
2,2-Dichloropropane	U		0.0317	0.100	1	06/05/2024 23:48	WG2298944	
Di-isopropyl ether	U		0.0140	0.0400	1	06/05/2024 23:48	WG2298944	
Ethylbenzene	U		0.0212	0.100	1	06/05/2024 23:48	WG2298944	
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/05/2024 23:48	WG2298944	
2-Hexanone	U		0.400	1.00	1	06/05/2024 23:48	WG2298944	
n-Hexane	U		0.0424	0.200	1	06/05/2024 23:48	WG2298944	
Iodomethane	U		0.242	0.500	1	06/05/2024 23:48	WG2298944	
Isopropylbenzene	U		0.0345	0.100	1	06/05/2024 23:48	WG2298944	
p-Isopropyltoluene	U		0.0932	0.200	1	06/05/2024 23:48	WG2298944	
2-Butanone (MEK)	U		0.500	1.00	1	06/05/2024 23:48	WG2298944	
Methylene Chloride	U		0.265	1.00	1	06/05/2024 23:48	WG2298944	
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/05/2024 23:48	WG2298944	
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/05/2024 23:48	WG2298944	
Naphthalene	U		0.124	0.500	1	06/05/2024 23:48	WG2298944	
n-Propylbenzene	U		0.0472	0.200	1	06/05/2024 23:48	WG2298944	
Styrene	U		0.109	0.500	1	06/05/2024 23:48	WG2298944	
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/05/2024 23:48	WG2298944	
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/05/2024 23:48	WG2298944	
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/05/2024 23:48	WG2298944	
Tetrachloroethene	U		0.0280	0.100	1	06/05/2024 23:48	WG2298944	
Toluene	0.0650	J	0.0500	0.200	1	06/05/2024 23:48	WG2298944	
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/05/2024 23:48	WG2298944	
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/05/2024 23:48	WG2298944	
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/05/2024 23:48	WG2298944	
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/05/2024 23:48	WG2298944	
Trichloroethene	0.0380	J	0.0160	0.0400	1	06/05/2024 23:48	WG2298944	
Trichlorofluoromethane	U		0.0200	0.100	1	06/05/2024 23:48	WG2298944	
1,2,3-Trichloropropane	U		0.204	0.500	1	06/05/2024 23:48	WG2298944	
1,2,4-Trimethylbenzene	0.0720	J	0.0464	0.200	1	06/05/2024 23:48	WG2298944	
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/05/2024 23:48	WG2298944	
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/05/2024 23:48	WG2298944	
Vinyl acetate	U	UJ	C3	0.141	0.500	1	06/05/2024 23:48	WG2298944
Vinyl chloride	0.786	J+	C5	0.0273	0.100	1	06/05/2024 23:48	WG2298944
Xylenes, Total	U		0.191	0.260	1	06/05/2024 23:48	WG2298944	
(S) Toluene-d8	95.0			75.0-131		06/05/2024 23:48	WG2298944	
(S) 4-Bromofluorobenzene	97.5			67.0-138		06/05/2024 23:48	WG2298944	
(S) 1,2-Dichloroethane-d4	97.1			70.0-130		06/05/2024 23:48	WG2298944	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	1790	J	594	5000	1	06/21/2024 15:23	WG2306764

1Cp

2Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	26800		102	1000	1	06/17/2024 00:41	WG2306217

3Ss

4Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	25900		28.1	100	1	06/24/2024 20:42	WG2300935
Manganese	5490		0.704	5.00	1	06/24/2024 20:42	WG2300935

5Sr

6Qc

7Gl

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	29700		2.87	6.78	10	06/04/2024 15:18	WG2298329
Ethane	266		0.296	1.29	1	06/04/2024 10:05	WG2297123
Ethene	3.79		0.422	1.27	1	06/04/2024 10:05	WG2297123

8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	4.23	U	0.548	1.00	1	06/03/2024 12:02	WG2297221	
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 12:02	WG2297221	
Benzene	0.0840		0.0160	0.0400	1	06/03/2024 12:02	WG2297221	
Bromobenzene	U		0.0420	0.500	1	06/03/2024 12:02	WG2297221	
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 12:02	WG2297221	
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 12:02	WG2297221	
Bromoform	U		0.239	1.00	1	06/03/2024 12:02	WG2297221	
Bromomethane	U	UJ	C3 J4	0.148	0.500	1	06/03/2024 12:02	WG2297221
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 12:02	WG2297221	
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 12:02	WG2297221	
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 12:02	WG2297221	
Carbon disulfide	U		0.162	0.500	1	06/03/2024 12:02	WG2297221	
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 12:02	WG2297221	
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 12:02	WG2297221	
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 12:02	WG2297221	
Chloroethane	U	UJ	C3	0.0432	0.200	1	06/03/2024 12:02	WG2297221
Chloroform	U		0.0166	0.100	1	06/03/2024 12:02	WG2297221	
Chloromethane	U		0.0556	0.500	1	06/03/2024 12:02	WG2297221	
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 12:02	WG2297221	
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 12:02	WG2297221	
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 12:02	WG2297221	
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 12:02	WG2297221	
Dibromomethane	U		0.0400	0.200	1	06/03/2024 12:02	WG2297221	
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 12:02	WG2297221	
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 12:02	WG2297221	
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 12:02	WG2297221	
trans-1,4-Dichloro-2-butene	U	UJ	C3 JS	0.0560	0.200	1	06/03/2024 12:02	WG2297221
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 12:02	WG2297221	
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 12:02	WG2297221	
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 12:02	WG2297221	
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 12:02	WG2297221	

JC 7/10/24

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.912		0.0276	0.100	1	06/03/2024 12:02	WG2297221
trans-1,2-Dichloroethene	0.322		0.0572	0.200	1	06/03/2024 12:02	WG2297221
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 12:02	WG2297221
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 12:02	WG2297221
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 12:02	WG2297221
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 12:02	WG2297221
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 12:02	WG2297221
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 12:02	WG2297221
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 12:02	WG2297221
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 12:02	WG2297221
Hexachloro-1,3-butadiene	U	~~J3~~	0.508	1.00	1	06/03/2024 12:02	WG2297221
2-Hexanone	U		0.400	1.00	1	06/03/2024 12:02	WG2297221
n-Hexane	U		0.0424	0.200	1	06/03/2024 12:02	WG2297221
Iodomethane	U		0.242	0.500	1	06/03/2024 12:02	WG2297221
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 12:02	WG2297221
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 12:02	WG2297221
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 12:02	WG2297221
Methylene Chloride	U		0.265	1.00	1	06/03/2024 12:02	WG2297221
4-Methyl-2-pentanone (MIBK)	0.485	~~J~~	0.400	1.00	1	06/03/2024 12:02	WG2297221
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 12:02	WG2297221
Naphthalene	U	~~J3~~	0.124	0.500	1	06/03/2024 12:02	WG2297221
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 12:02	WG2297221
Styrene	U		0.109	0.500	1	06/03/2024 12:02	WG2297221
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 12:02	WG2297221
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 12:02	WG2297221
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 12:02	WG2297221
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 12:02	WG2297221
Toluene	0.116	~~J~~	0.0500	0.200	1	06/03/2024 12:02	WG2297221
1,2,3-Trichlorobenzene	U	~~J3 J4~~	0.0250	0.500	1	06/03/2024 12:02	WG2297221
1,2,4-Trichlorobenzene	U	~~J3~~	0.193	0.500	1	06/03/2024 12:02	WG2297221
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 12:02	WG2297221
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 12:02	WG2297221
Trichloroethene	0.0320	~~J~~	0.0160	0.0400	1	06/03/2024 12:02	WG2297221
Trichlorofluoromethane	U	~~UJ~~ ~~C3~~	0.0200	0.100	1	06/03/2024 12:02	WG2297221
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 12:02	WG2297221
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 12:02	WG2297221
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 12:02	WG2297221
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 12:02	WG2297221
Vinyl acetate	U	~~UJ~~ ~~C3~~	0.141	0.500	1	06/03/2024 12:02	WG2297221
Vinyl chloride	1.24		0.0273	0.100	1	06/03/2024 12:02	WG2297221
Xylenes, Total	U		0.191	0.260	1	06/03/2024 12:02	WG2297221
(S) Toluene-d8	99.7			75.0-131		06/03/2024 12:02	WG2297221
(S) 4-Bromofluorobenzene	96.5			67.0-138		06/03/2024 12:02	WG2297221
(S) 1,2-Dichloroethane-d4	93.1			70.0-130		06/03/2024 12:02	WG2297221

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	734	J	594	5000	1	06/19/2024 13:53	WG2306764

1
Cp

2
Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	16100		102	1000	1	06/17/2024 00:58	WG2306217

3
Ss

4
Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	6230		28.1	100	1	06/24/2024 20:45	WG2300935
Manganese	2390		0.704	5.00	1	06/24/2024 20:45	WG2300935

5
Sr

6
Qc

7
Gl

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	30500		2.87	6.78	10	06/04/2024 15:24	WG2298329
Ethane	795		0.296	1.29	1	06/04/2024 10:13	WG2297123
Ethene	59.6		0.422	1.27	1	06/04/2024 10:13	WG2297123

8
Al

9
Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.58	U	0.548	1.00	1	06/03/2024 12:21	WG2297221
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 12:21	WG2297221
Benzene	0.147		0.0160	0.0400	1	06/03/2024 12:21	WG2297221
Bromobenzene	U		0.0420	0.500	1	06/03/2024 12:21	WG2297221
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 12:21	WG2297221
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 12:21	WG2297221
Bromoform	U		0.239	1.00	1	06/03/2024 12:21	WG2297221
Bromomethane	U	UJ C3 J4	0.148	0.500	1	06/03/2024 12:21	WG2297221
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 12:21	WG2297221
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 12:21	WG2297221
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 12:21	WG2297221
Carbon disulfide	U		0.162	0.500	1	06/03/2024 12:21	WG2297221
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 12:21	WG2297221
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 12:21	WG2297221
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 12:21	WG2297221
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 12:21	WG2297221
Chloroform	U		0.0166	0.100	1	06/03/2024 12:21	WG2297221
Chloromethane	U		0.0556	0.500	1	06/03/2024 12:21	WG2297221
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 12:21	WG2297221
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 12:21	WG2297221
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 12:21	WG2297221
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 12:21	WG2297221
Dibromomethane	U		0.0400	0.200	1	06/03/2024 12:21	WG2297221
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 12:21	WG2297221
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 12:21	WG2297221
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 12:21	WG2297221
trans-1,4-Dichloro-2-butene	U	UJ C3 J5	0.0560	0.200	1	06/03/2024 12:21	WG2297221
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 12:21	WG2297221
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 12:21	WG2297221
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 12:21	WG2297221
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 12:21	WG2297221

JC 7/10/24

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.0900	<u>U</u>	0.0276	0.100	1	06/03/2024 12:21	WG2297221
trans-1,2-Dichloroethene	0.0730	<u>U</u>	0.0572	0.200	1	06/03/2024 12:21	WG2297221
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 12:21	WG2297221
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 12:21	WG2297221
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 12:21	WG2297221
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 12:21	WG2297221
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 12:21	WG2297221
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 12:21	WG2297221
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 12:21	WG2297221
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 12:21	WG2297221
Hexachloro-1,3-butadiene	U	<u>J3</u>	0.508	1.00	1	06/03/2024 12:21	WG2297221
2-Hexanone	U		0.400	1.00	1	06/03/2024 12:21	WG2297221
n-Hexane	U		0.0424	0.200	1	06/03/2024 12:21	WG2297221
Iodomethane	U		0.242	0.500	1	06/03/2024 12:21	WG2297221
Isopropylbenzene	0.0690	<u>U</u>	0.0345	0.100	1	06/03/2024 12:21	WG2297221
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 12:21	WG2297221
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 12:21	WG2297221
Methylene Chloride	U		0.265	1.00	1	06/03/2024 12:21	WG2297221
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 12:21	WG2297221
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 12:21	WG2297221
Naphthalene	U	<u>J3</u>	0.124	0.500	1	06/03/2024 12:21	WG2297221
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 12:21	WG2297221
Styrene	U		0.109	0.500	1	06/03/2024 12:21	WG2297221
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 12:21	WG2297221
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 12:21	WG2297221
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 12:21	WG2297221
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 12:21	WG2297221
Toluene	0.0800	<u>U</u>	0.0500	0.200	1	06/03/2024 12:21	WG2297221
1,2,3-Trichlorobenzene	U	<u>J3 J4</u>	0.0250	0.500	1	06/03/2024 12:21	WG2297221
1,2,4-Trichlorobenzene	U	<u>J3</u>	0.193	0.500	1	06/03/2024 12:21	WG2297221
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 12:21	WG2297221
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 12:21	WG2297221
Trichloroethene	U		0.0160	0.0400	1	06/03/2024 12:21	WG2297221
Trichlorofluoromethane	U	<u>UJ</u> <u>C3</u>	0.0200	0.100	1	06/03/2024 12:21	WG2297221
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 12:21	WG2297221
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 12:21	WG2297221
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 12:21	WG2297221
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 12:21	WG2297221
Vinyl acetate	U	<u>UJ</u> <u>C3</u>	0.141	0.500	1	06/03/2024 12:21	WG2297221
Vinyl chloride	0.0670	<u>U</u>	0.0273	0.100	1	06/03/2024 12:21	WG2297221
Xylenes, Total	U		0.191	0.260	1	06/03/2024 12:21	WG2297221
(S) Toluene-d8	102			75.0-131		06/03/2024 12:21	WG2297221
(S) 4-Bromofluorobenzene	98.9			67.0-138		06/03/2024 12:21	WG2297221
(S) 1,2-Dichloroethane-d4	101			70.0-130		06/03/2024 12:21	WG2297221

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	3590	J	594	5000	1	06/19/2024 14:07	WG2306764

1
Cp

2
Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	32900		102	1000	1	06/17/2024 01:15	WG2306217

3
Ss

4
Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	16400		28.1	100	1	06/24/2024 20:48	WG2300935
Manganese	3480		0.704	5.00	1	06/24/2024 20:48	WG2300935

5
Sr

6
Qc

7
Gl

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	34200		2.87	6.78	10	06/04/2024 15:29	WG2298329
Ethane	244		0.296	1.29	1	06/04/2024 10:20	WG2297123
Ethene	66.7		0.422	1.27	1	06/04/2024 10:20	WG2297123

8
Al

9
Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	2.65	U	0.548	1.00	1	06/03/2024 12:40	WG2297221
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 12:40	WG2297221
Benzene	U		0.0160	0.0400	1	06/03/2024 12:40	WG2297221
Bromobenzene	U		0.0420	0.500	1	06/03/2024 12:40	WG2297221
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 12:40	WG2297221
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 12:40	WG2297221
Bromoform	U		0.239	1.00	1	06/03/2024 12:40	WG2297221
Bromomethane	U	UJ C3 J4	0.148	0.500	1	06/03/2024 12:40	WG2297221
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 12:40	WG2297221
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 12:40	WG2297221
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 12:40	WG2297221
Carbon disulfide	U		0.162	0.500	1	06/03/2024 12:40	WG2297221
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 12:40	WG2297221
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 12:40	WG2297221
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 12:40	WG2297221
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 12:40	WG2297221
Chloroform	U		0.0166	0.100	1	06/03/2024 12:40	WG2297221
Chloromethane	U		0.0556	0.500	1	06/03/2024 12:40	WG2297221
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 12:40	WG2297221
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 12:40	WG2297221
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 12:40	WG2297221
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 12:40	WG2297221
Dibromomethane	U		0.0400	0.200	1	06/03/2024 12:40	WG2297221
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 12:40	WG2297221
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 12:40	WG2297221
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 12:40	WG2297221
trans-1,4-Dichloro-2-butene	U	UJ C3 J5	0.0560	0.200	1	06/03/2024 12:40	WG2297221
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 12:40	WG2297221
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 12:40	WG2297221
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 12:40	WG2297221
1,1-Dichloroethene	0.217		0.0200	0.100	1	06/03/2024 12:40	WG2297221

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	63.8		0.0276	0.100	1	06/03/2024 12:40	WG2297221
trans-1,2-Dichloroethene	2.19		0.0572	0.200	1	06/03/2024 12:40	WG2297221
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 12:40	WG2297221
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 12:40	WG2297221
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 12:40	WG2297221
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 12:40	WG2297221
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 12:40	WG2297221
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 12:40	WG2297221
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 12:40	WG2297221
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 12:40	WG2297221
Hexachloro-1,3-butadiene	U	~~J3~~	0.508	1.00	1	06/03/2024 12:40	WG2297221
2-Hexanone	U		0.400	1.00	1	06/03/2024 12:40	WG2297221
n-Hexane	U		0.0424	0.200	1	06/03/2024 12:40	WG2297221
Iodomethane	U		0.242	0.500	1	06/03/2024 12:40	WG2297221
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 12:40	WG2297221
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 12:40	WG2297221
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 12:40	WG2297221
Methylene Chloride	U		0.265	1.00	1	06/03/2024 12:40	WG2297221
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 12:40	WG2297221
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 12:40	WG2297221
Naphthalene	U	~~J3~~	0.124	0.500	1	06/03/2024 12:40	WG2297221
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 12:40	WG2297221
Styrene	U		0.109	0.500	1	06/03/2024 12:40	WG2297221
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 12:40	WG2297221
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 12:40	WG2297221
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 12:40	WG2297221
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 12:40	WG2297221
Toluene	U		0.0500	0.200	1	06/03/2024 12:40	WG2297221
1,2,3-Trichlorobenzene	U	~~J3 J4~~	0.0250	0.500	1	06/03/2024 12:40	WG2297221
1,2,4-Trichlorobenzene	U	~~J3~~	0.193	0.500	1	06/03/2024 12:40	WG2297221
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 12:40	WG2297221
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 12:40	WG2297221
Trichloroethene	0.287		0.0160	0.0400	1	06/03/2024 12:40	WG2297221
Trichlorofluoromethane	U	UJ ~~C3~~	0.0200	0.100	1	06/03/2024 12:40	WG2297221
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 12:40	WG2297221
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 12:40	WG2297221
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 12:40	WG2297221
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 12:40	WG2297221
Vinyl acetate	U	UJ ~~C3~~	0.141	0.500	1	06/03/2024 12:40	WG2297221
Vinyl chloride	205	J+ ~~C5~~	0.137	0.500	5	06/06/2024 00:33	WG2298944
Xylenes, Total	U		0.191	0.260	1	06/03/2024 12:40	WG2297221
(S) Toluene-d8	101			75.0-131		06/03/2024 12:40	WG2297221
(S) Toluene-d8	96.8			75.0-131		06/06/2024 00:33	WG2298944
(S) 4-Bromofluorobenzene	95.4			67.0-138		06/03/2024 12:40	WG2297221
(S) 4-Bromofluorobenzene	99.9			67.0-138		06/06/2024 00:33	WG2298944
(S) 1,2-Dichloroethane-d4	93.7			70.0-130		06/03/2024 12:40	WG2297221
(S) 1,2-Dichloroethane-d4	98.0			70.0-130		06/06/2024 00:33	WG2298944

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	1830	J	594	5000	1	06/19/2024 14:20	WG2306764

1
Cp

2
Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	26700		102	1000	1	06/17/2024 01:38	WG2306217

3
Ss

4
Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	14400		28.1	100	1	06/24/2024 20:52	WG2300935
Manganese	3290		0.704	5.00	1	06/24/2024 20:52	WG2300935

5
Sr

6
Qc

7
Gl

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	35500		2.87	6.78	10	06/04/2024 15:37	WG2298329
Ethane	462		0.296	1.29	1	06/04/2024 10:26	WG2297123
Ethene	U		0.422	1.27	1	06/04/2024 10:26	WG2297123

8
Al

9
Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	4.55	U	0.548	1.00	1	06/03/2024 12:59	WG2297221	
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 12:59	WG2297221	
Benzene	0.0210	J	0.0160	0.0400	1	06/03/2024 12:59	WG2297221	
Bromobenzene	U		0.0420	0.500	1	06/03/2024 12:59	WG2297221	
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 12:59	WG2297221	
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 12:59	WG2297221	
Bromoform	U		0.239	1.00	1	06/03/2024 12:59	WG2297221	
Bromomethane	U	UJ	C3 J4	0.148	0.500	1	06/03/2024 12:59	WG2297221
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 12:59	WG2297221	
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 12:59	WG2297221	
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 12:59	WG2297221	
Carbon disulfide	U		0.162	0.500	1	06/03/2024 12:59	WG2297221	
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 12:59	WG2297221	
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 12:59	WG2297221	
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 12:59	WG2297221	
Chloroethane	0.113	J	C3 J	0.0432	0.200	1	06/03/2024 12:59	WG2297221
Chloroform	U		0.0166	0.100	1	06/03/2024 12:59	WG2297221	
Chloromethane	U		0.0556	0.500	1	06/03/2024 12:59	WG2297221	
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 12:59	WG2297221	
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 12:59	WG2297221	
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 12:59	WG2297221	
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 12:59	WG2297221	
Dibromomethane	U		0.0400	0.200	1	06/03/2024 12:59	WG2297221	
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 12:59	WG2297221	
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 12:59	WG2297221	
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 12:59	WG2297221	
trans-1,4-Dichloro-2-butene	U	UJ	C3 JS	0.0560	0.200	1	06/03/2024 12:59	WG2297221
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 12:59	WG2297221	
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 12:59	WG2297221	
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 12:59	WG2297221	
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 12:59	WG2297221	

JC 7/10/24

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.0830	J	0.0276	0.100	1	06/03/2024 12:59	WG2297221
trans-1,2-Dichloroethene	0.535		0.0572	0.200	1	06/03/2024 12:59	WG2297221
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 12:59	WG2297221
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 12:59	WG2297221
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 12:59	WG2297221
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 12:59	WG2297221
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 12:59	WG2297221
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 12:59	WG2297221
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 12:59	WG2297221
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 12:59	WG2297221
Hexachloro-1,3-butadiene	U	J3	0.508	1.00	1	06/03/2024 12:59	WG2297221
2-Hexanone	U		0.400	1.00	1	06/03/2024 12:59	WG2297221
n-Hexane	U		0.0424	0.200	1	06/03/2024 12:59	WG2297221
Iodomethane	U		0.242	0.500	1	06/03/2024 12:59	WG2297221
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 12:59	WG2297221
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 12:59	WG2297221
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 12:59	WG2297221
Methylene Chloride	U		0.265	1.00	1	06/03/2024 12:59	WG2297221
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 12:59	WG2297221
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 12:59	WG2297221
Naphthalene	U	J3	0.124	0.500	1	06/03/2024 12:59	WG2297221
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 12:59	WG2297221
Styrene	U		0.109	0.500	1	06/03/2024 12:59	WG2297221
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 12:59	WG2297221
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 12:59	WG2297221
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 12:59	WG2297221
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 12:59	WG2297221
Toluene	U		0.0500	0.200	1	06/03/2024 12:59	WG2297221
1,2,3-Trichlorobenzene	U	J3 J4	0.0250	0.500	1	06/03/2024 12:59	WG2297221
1,2,4-Trichlorobenzene	U	J3	0.193	0.500	1	06/03/2024 12:59	WG2297221
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 12:59	WG2297221
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 12:59	WG2297221
Trichloroethene	U		0.0160	0.0400	1	06/03/2024 12:59	WG2297221
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	06/03/2024 12:59	WG2297221
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 12:59	WG2297221
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 12:59	WG2297221
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 12:59	WG2297221
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 12:59	WG2297221
Vinyl acetate	U	UJ C3	0.141	0.500	1	06/03/2024 12:59	WG2297221
Vinyl chloride	U		0.0273	0.100	1	06/03/2024 12:59	WG2297221
Xylenes, Total	U		0.191	0.260	1	06/03/2024 12:59	WG2297221
(S) Toluene-d8	98.8			75.0-131		06/03/2024 12:59	WG2297221
(S) 4-Bromofluorobenzene	104			67.0-138		06/03/2024 12:59	WG2297221
(S) 1,2-Dichloroethane-d4	97.6			70.0-130		06/03/2024 12:59	WG2297221

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/10/24

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/03/2024 13:19	WG2297221
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 13:19	WG2297221
Benzene	U		0.0160	0.0400	1	06/03/2024 13:19	WG2297221
Bromobenzene	U		0.0420	0.500	1	06/03/2024 13:19	WG2297221
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 13:19	WG2297221
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 13:19	WG2297221
Bromoform	U		0.239	1.00	1	06/03/2024 13:19	WG2297221
Bromomethane	U	UJ C3 J4	0.148	0.500	1	06/03/2024 13:19	WG2297221
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 13:19	WG2297221
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 13:19	WG2297221
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 13:19	WG2297221
Carbon disulfide	U		0.162	0.500	1	06/03/2024 13:19	WG2297221
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 13:19	WG2297221
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 13:19	WG2297221
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 13:19	WG2297221
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 13:19	WG2297221
Chloroform	U		0.0166	0.100	1	06/03/2024 13:19	WG2297221
Chloromethane	U		0.0556	0.500	1	06/03/2024 13:19	WG2297221
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 13:19	WG2297221
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 13:19	WG2297221
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 13:19	WG2297221
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 13:19	WG2297221
Dibromomethane	U		0.0400	0.200	1	06/03/2024 13:19	WG2297221
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 13:19	WG2297221
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 13:19	WG2297221
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 13:19	WG2297221
trans-1,4-Dichloro-2-butene	U	UJ C3 J5	0.0560	0.200	1	06/03/2024 13:19	WG2297221
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 13:19	WG2297221
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 13:19	WG2297221
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 13:19	WG2297221
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 13:19	WG2297221
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/03/2024 13:19	WG2297221
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2024 13:19	WG2297221
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 13:19	WG2297221
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 13:19	WG2297221
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 13:19	WG2297221
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 13:19	WG2297221
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 13:19	WG2297221
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 13:19	WG2297221
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 13:19	WG2297221
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 13:19	WG2297221
Hexachloro-1,3-butadiene	U	J3	0.508	1.00	1	06/03/2024 13:19	WG2297221
2-Hexanone	U		0.400	1.00	1	06/03/2024 13:19	WG2297221
n-Hexane	U		0.0424	0.200	1	06/03/2024 13:19	WG2297221
Iodomethane	U		0.242	0.500	1	06/03/2024 13:19	WG2297221
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 13:19	WG2297221
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 13:19	WG2297221
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 13:19	WG2297221
Methylene Chloride	U		0.265	1.00	1	06/03/2024 13:19	WG2297221
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 13:19	WG2297221
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 13:19	WG2297221
Naphthalene	U	J3	0.124	0.500	1	06/03/2024 13:19	WG2297221
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 13:19	WG2297221
Styrene	U		0.109	0.500	1	06/03/2024 13:19	WG2297221
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 13:19	WG2297221
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 13:19	WG2297221



JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 13:19	WG2297221
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 13:19	WG2297221
Toluene	U		0.0500	0.200	1	06/03/2024 13:19	WG2297221
1,2,3-Trichlorobenzene	U	~~J3~~ ~~J4~~	0.0250	0.500	1	06/03/2024 13:19	WG2297221
1,2,4-Trichlorobenzene	U	~~J3~~	0.193	0.500	1	06/03/2024 13:19	WG2297221
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 13:19	WG2297221
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 13:19	WG2297221
Trichloroethene	U		0.0160	0.0400	1	06/03/2024 13:19	WG2297221
Trichlorofluoromethane	U	UJ <u>C3</u>	0.0200	0.100	1	06/03/2024 13:19	WG2297221
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 13:19	WG2297221
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 13:19	WG2297221
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 13:19	WG2297221
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 13:19	WG2297221
Vinyl acetate	U	UJ <u>C3</u>	0.141	0.500	1	06/03/2024 13:19	WG2297221
Vinyl chloride	U		0.0273	0.100	1	06/03/2024 13:19	WG2297221
Xylenes, Total	U		0.191	0.260	1	06/03/2024 13:19	WG2297221
(S) Toluene-d8	100			75.0-131		06/03/2024 13:19	WG2297221
(S) 4-Bromofluorobenzene	97.1			67.0-138		06/03/2024 13:19	WG2297221
(S) 1,2-Dichloroethane-d4	98.8			70.0-130		06/03/2024 13:19	WG2297221

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

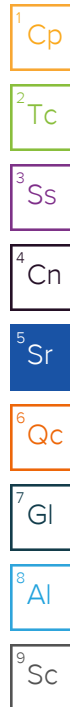
8Al

9Sc

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.08	U	0.548	1.00	1	06/05/2024 06:34	WG2298539
Acrylonitrile	U		0.0760	0.500	1	06/05/2024 06:34	WG2298539
Benzene	0.330		0.0160	0.0400	1	06/05/2024 06:34	WG2298539
Bromobenzene	U		0.0420	0.500	1	06/05/2024 06:34	WG2298539
Bromochloromethane	U		0.0452	0.200	1	06/05/2024 06:34	WG2298539
Bromodichloromethane	U		0.0315	0.100	1	06/05/2024 06:34	WG2298539
Bromoform	U		0.239	1.00	1	06/05/2024 06:34	WG2298539
Bromomethane	U	J3	0.148	0.500	1	06/05/2024 06:34	WG2298539
n-Butylbenzene	U		0.153	0.500	1	06/05/2024 06:34	WG2298539
sec-Butylbenzene	U		0.101	0.500	1	06/05/2024 06:34	WG2298539
tert-Butylbenzene	U		0.0620	0.200	1	06/05/2024 06:34	WG2298539
Carbon disulfide	U	J3	0.162	0.500	1	06/05/2024 06:34	WG2298539
Carbon tetrachloride	U		0.0432	0.200	1	06/05/2024 06:34	WG2298539
Chlorobenzene	U		0.0229	0.100	1	06/05/2024 06:34	WG2298539
Chlorodibromomethane	U		0.0180	0.100	1	06/05/2024 06:34	WG2298539
Chloroethane	U	J3	0.0432	0.200	1	06/05/2024 06:34	WG2298539
Chloroform	U		0.0166	0.100	1	06/05/2024 06:34	WG2298539
Chloromethane	U	J3	0.0556	0.500	1	06/05/2024 06:34	WG2298539
2-Chlorotoluene	U		0.0368	0.100	1	06/05/2024 06:34	WG2298539
4-Chlorotoluene	U		0.0452	0.200	1	06/05/2024 06:34	WG2298539
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/05/2024 06:34	WG2298539
1,2-Dibromoethane	U		0.0210	0.100	1	06/05/2024 06:34	WG2298539
Dibromomethane	U		0.0400	0.200	1	06/05/2024 06:34	WG2298539
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/05/2024 06:34	WG2298539
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/05/2024 06:34	WG2298539
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/05/2024 06:34	WG2298539
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/05/2024 06:34	WG2298539
Dichlorodifluoromethane	U	J3	0.0327	0.200	1	06/05/2024 06:34	WG2298539
1,1-Dichloroethane	U		0.0230	0.100	1	06/05/2024 06:34	WG2298539
1,2-Dichloroethane	U		0.0190	0.100	1	06/05/2024 06:34	WG2298539
1,1-Dichloroethene	U		0.0200	0.100	1	06/05/2024 06:34	WG2298539
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/05/2024 06:34	WG2298539
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/05/2024 06:34	WG2298539
1,2-Dichloropropane	U		0.0508	0.200	1	06/05/2024 06:34	WG2298539
1,1-Dichloropropene	U		0.0280	0.100	1	06/05/2024 06:34	WG2298539
1,3-Dichloropropane	U		0.0700	0.200	1	06/05/2024 06:34	WG2298539
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/05/2024 06:34	WG2298539
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/05/2024 06:34	WG2298539
2,2-Dichloropropane	U		0.0317	0.100	1	06/05/2024 06:34	WG2298539
Di-isopropyl ether	U		0.0140	0.0400	1	06/05/2024 06:34	WG2298539
Ethylbenzene	0.330		0.0212	0.100	1	06/05/2024 06:34	WG2298539
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/05/2024 06:34	WG2298539
2-Hexanone	U		0.400	1.00	1	06/05/2024 06:34	WG2298539
n-Hexane	U	J3	0.0424	0.200	1	06/05/2024 06:34	WG2298539
Iodomethane	U		0.242	0.500	1	06/05/2024 06:34	WG2298539
Isopropylbenzene	U		0.0345	0.100	1	06/05/2024 06:34	WG2298539
p-Isopropyltoluene	U		0.0932	0.200	1	06/05/2024 06:34	WG2298539
2-Butanone (MEK)	U		0.500	1.00	1	06/05/2024 06:34	WG2298539
Methylene Chloride	U		0.265	1.00	1	06/05/2024 06:34	WG2298539
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/05/2024 06:34	WG2298539
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/05/2024 06:34	WG2298539
Naphthalene	U		0.124	0.500	1	06/05/2024 06:34	WG2298539
n-Propylbenzene	U		0.0472	0.200	1	06/05/2024 06:34	WG2298539
Styrene	U		0.109	0.500	1	06/05/2024 06:34	WG2298539
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/05/2024 06:34	WG2298539
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/05/2024 06:34	WG2298539



JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/05/2024 06:34	WG2298539
Tetrachloroethene	U		0.0280	0.100	1	06/05/2024 06:34	WG2298539
Toluene	2.13		0.0500	0.200	1	06/05/2024 06:34	WG2298539
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/05/2024 06:34	WG2298539
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/05/2024 06:34	WG2298539
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/05/2024 06:34	WG2298539
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/05/2024 06:34	WG2298539
Trichloroethene	U		0.0160	0.0400	1	06/05/2024 06:34	WG2298539
Trichlorofluoromethane	U		0.0200	0.100	1	06/05/2024 06:34	WG2298539
1,2,3-Trichloropropane	U		0.204	0.500	1	06/05/2024 06:34	WG2298539
1,2,4-Trimethylbenzene	0.241		0.0464	0.200	1	06/05/2024 06:34	WG2298539
1,2,3-Trimethylbenzene	0.0660	U	0.0460	0.200	1	06/05/2024 06:34	WG2298539
1,3,5-Trimethylbenzene	0.0840	U	0.0432	0.200	1	06/05/2024 06:34	WG2298539
Vinyl acetate	U		0.141	0.500	1	06/05/2024 06:34	WG2298539
Vinyl chloride	U	U3	0.0273	0.100	1	06/05/2024 06:34	WG2298539
Xylenes, Total	1.94		0.191	0.260	1	06/05/2024 06:34	WG2298539
(S) Toluene-d8	98.6			75.0-131		06/05/2024 06:34	WG2298539
(S) 4-Bromofluorobenzene	106			67.0-138		06/05/2024 06:34	WG2298539
(S) 1,2-Dichloroethane-d4	91.1			70.0-130		06/05/2024 06:34	WG2298539

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	959	J	594	5000	1	06/19/2024 15:00	WG2306764

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	14200		102	1000	1	06/17/2024 01:54	WG2306217

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	8610		28.1	100	1	06/24/2024 20:55	WG2300935
Manganese	1180		0.704	5.00	1	06/24/2024 20:55	WG2300935

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	17100		2.87	6.78	10	06/04/2024 15:42	WG2298329
Ethane	264		0.296	1.29	1	06/04/2024 10:34	WG2297123
Ethene	2.83		0.422	1.27	1	06/04/2024 10:34	WG2297123

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	06/05/2024 06:54	WG2298539
Acrylonitrile	U		0.0760	0.500	1	06/05/2024 06:54	WG2298539
Benzene	U		0.0160	0.0400	1	06/05/2024 06:54	WG2298539
Bromobenzene	U		0.0420	0.500	1	06/05/2024 06:54	WG2298539
Bromochloromethane	U		0.0452	0.200	1	06/05/2024 06:54	WG2298539
Bromodichloromethane	U		0.0315	0.100	1	06/05/2024 06:54	WG2298539
Bromoform	U		0.239	1.00	1	06/05/2024 06:54	WG2298539
Bromomethane	U	J3	0.148	0.500	1	06/05/2024 06:54	WG2298539
n-Butylbenzene	U		0.153	0.500	1	06/05/2024 06:54	WG2298539
sec-Butylbenzene	U		0.101	0.500	1	06/05/2024 06:54	WG2298539
tert-Butylbenzene	U		0.0620	0.200	1	06/05/2024 06:54	WG2298539
Carbon disulfide	U	J3	0.162	0.500	1	06/05/2024 06:54	WG2298539
Carbon tetrachloride	U		0.0432	0.200	1	06/05/2024 06:54	WG2298539
Chlorobenzene	U		0.0229	0.100	1	06/05/2024 06:54	WG2298539
Chlorodibromomethane	U		0.0180	0.100	1	06/05/2024 06:54	WG2298539
Chloroethane	0.316	J3	0.0432	0.200	1	06/05/2024 06:54	WG2298539
Chloroform	U		0.0166	0.100	1	06/05/2024 06:54	WG2298539
Chloromethane	U	J3	0.0556	0.500	1	06/05/2024 06:54	WG2298539
2-Chlorotoluene	U		0.0368	0.100	1	06/05/2024 06:54	WG2298539
4-Chlorotoluene	U		0.0452	0.200	1	06/05/2024 06:54	WG2298539
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/05/2024 06:54	WG2298539
1,2-Dibromoethane	U		0.0210	0.100	1	06/05/2024 06:54	WG2298539
Dibromomethane	U		0.0400	0.200	1	06/05/2024 06:54	WG2298539
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/05/2024 06:54	WG2298539
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/05/2024 06:54	WG2298539
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/05/2024 06:54	WG2298539
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/05/2024 06:54	WG2298539
Dichlorodifluoromethane	U	J3	0.0327	0.200	1	06/05/2024 06:54	WG2298539
1,1-Dichloroethane	U		0.0230	0.100	1	06/05/2024 06:54	WG2298539
1,2-Dichloroethane	U		0.0190	0.100	1	06/05/2024 06:54	WG2298539
1,1-Dichloroethene	U		0.0200	0.100	1	06/05/2024 06:54	WG2298539

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	3.75		0.0276	0.100	1	06/05/2024 06:54	WG2298539
trans-1,2-Dichloroethene	0.132	J	0.0572	0.200	1	06/05/2024 06:54	WG2298539
1,2-Dichloropropane	U		0.0508	0.200	1	06/05/2024 06:54	WG2298539
1,1-Dichloropropene	U		0.0280	0.100	1	06/05/2024 06:54	WG2298539
1,3-Dichloropropane	U		0.0700	0.200	1	06/05/2024 06:54	WG2298539
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/05/2024 06:54	WG2298539
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/05/2024 06:54	WG2298539
2,2-Dichloropropane	U		0.0317	0.100	1	06/05/2024 06:54	WG2298539
Di-isopropyl ether	U		0.0140	0.0400	1	06/05/2024 06:54	WG2298539
Ethylbenzene	U		0.0212	0.100	1	06/05/2024 06:54	WG2298539
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/05/2024 06:54	WG2298539
2-Hexanone	U		0.400	1.00	1	06/05/2024 06:54	WG2298539
n-Hexane	U	J	0.0424	0.200	1	06/05/2024 06:54	WG2298539
Iodomethane	U		0.242	0.500	1	06/05/2024 06:54	WG2298539
Isopropylbenzene	U		0.0345	0.100	1	06/05/2024 06:54	WG2298539
p-Isopropyltoluene	U	.	0.0932	0.200	1	06/05/2024 06:54	WG2298539
2-Butanone (MEK)	U		0.500	1.00	1	06/05/2024 06:54	WG2298539
Methylene Chloride	U		0.265	1.00	1	06/05/2024 06:54	WG2298539
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/05/2024 06:54	WG2298539
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/05/2024 06:54	WG2298539
Naphthalene	U		0.124	0.500	1	06/05/2024 06:54	WG2298539
n-Propylbenzene	U		0.0472	0.200	1	06/05/2024 06:54	WG2298539
Styrene	U		0.109	0.500	1	06/05/2024 06:54	WG2298539
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/05/2024 06:54	WG2298539
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/05/2024 06:54	WG2298539
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/05/2024 06:54	WG2298539
Tetrachloroethene	U		0.0280	0.100	1	06/05/2024 06:54	WG2298539
Toluene	U		0.0500	0.200	1	06/05/2024 06:54	WG2298539
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/05/2024 06:54	WG2298539
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/05/2024 06:54	WG2298539
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/05/2024 06:54	WG2298539
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/05/2024 06:54	WG2298539
Trichloroethene	U		0.0160	0.0400	1	06/05/2024 06:54	WG2298539
Trichlorofluoromethane	U		0.0200	0.100	1	06/05/2024 06:54	WG2298539
1,2,3-Trichloropropane	U		0.204	0.500	1	06/05/2024 06:54	WG2298539
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/05/2024 06:54	WG2298539
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/05/2024 06:54	WG2298539
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/05/2024 06:54	WG2298539
Vinyl acetate	U		0.141	0.500	1	06/05/2024 06:54	WG2298539
Vinyl chloride	5.24	J	0.0273	0.100	1	06/05/2024 06:54	WG2298539
Xylenes, Total	U		0.191	0.260	1	06/05/2024 06:54	WG2298539
(S) Toluene-d8	101			75.0-131		06/05/2024 06:54	WG2298539
(S) 4-Bromofluorobenzene	101			67.0-138		06/05/2024 06:54	WG2298539
(S) 1,2-Dichloroethane-d4	87.1			70.0-130		06/05/2024 06:54	WG2298539

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	986	J	594	5000	1	06/19/2024 15:14	WG2306764

1
Cp

2
Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	13800		102	1000	1	06/17/2024 02:11	WG2306217

3
Ss

4
Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	8830		28.1	100	1	06/24/2024 20:58	WG2300935
Manganese	1180		0.704	5.00	1	06/24/2024 20:58	WG2300935

5
Sr

6
Qc

7
Gl

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	17200		2.87	6.78	10	06/04/2024 15:48	WG2298329
Ethane	279		0.296	1.29	1	06/04/2024 11:43	WG2297123
Ethene	3.12		0.422	1.27	1	06/04/2024 11:43	WG2297123

8
Al

9
Sc

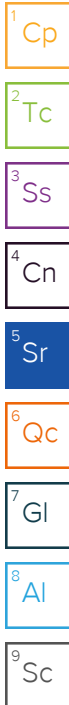
Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	06/05/2024 07:13	WG2298539
Acrylonitrile	U		0.0760	0.500	1	06/05/2024 07:13	WG2298539
Benzene	U		0.0160	0.0400	1	06/05/2024 07:13	WG2298539
Bromobenzene	U		0.0420	0.500	1	06/05/2024 07:13	WG2298539
Bromochloromethane	U		0.0452	0.200	1	06/05/2024 07:13	WG2298539
Bromodichloromethane	U		0.0315	0.100	1	06/05/2024 07:13	WG2298539
Bromoform	U		0.239	1.00	1	06/05/2024 07:13	WG2298539
Bromomethane	U	J3	0.148	0.500	1	06/05/2024 07:13	WG2298539
n-Butylbenzene	U		0.153	0.500	1	06/05/2024 07:13	WG2298539
sec-Butylbenzene	U		0.101	0.500	1	06/05/2024 07:13	WG2298539
tert-Butylbenzene	U		0.0620	0.200	1	06/05/2024 07:13	WG2298539
Carbon disulfide	U	J3	0.162	0.500	1	06/05/2024 07:13	WG2298539
Carbon tetrachloride	U		0.0432	0.200	1	06/05/2024 07:13	WG2298539
Chlorobenzene	U		0.0229	0.100	1	06/05/2024 07:13	WG2298539
Chlorodibromomethane	U		0.0180	0.100	1	06/05/2024 07:13	WG2298539
Chloroethane	0.410	J3	0.0432	0.200	1	06/05/2024 07:13	WG2298539
Chloroform	U		0.0166	0.100	1	06/05/2024 07:13	WG2298539
Chloromethane	U	J3	0.0556	0.500	1	06/05/2024 07:13	WG2298539
2-Chlorotoluene	U		0.0368	0.100	1	06/05/2024 07:13	WG2298539
4-Chlorotoluene	U		0.0452	0.200	1	06/05/2024 07:13	WG2298539
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/05/2024 07:13	WG2298539
1,2-Dibromoethane	U		0.0210	0.100	1	06/05/2024 07:13	WG2298539
Dibromomethane	U		0.0400	0.200	1	06/05/2024 07:13	WG2298539
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/05/2024 07:13	WG2298539
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/05/2024 07:13	WG2298539
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/05/2024 07:13	WG2298539
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/05/2024 07:13	WG2298539
Dichlorodifluoromethane	U	J3	0.0327	0.200	1	06/05/2024 07:13	WG2298539
1,1-Dichloroethane	U		0.0230	0.100	1	06/05/2024 07:13	WG2298539
1,2-Dichloroethane	U		0.0190	0.100	1	06/05/2024 07:13	WG2298539
1,1-Dichloroethene	U		0.0200	0.100	1	06/05/2024 07:13	WG2298539

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	4.55		0.0276	0.100	1	06/05/2024 07:13	WG2298539
trans-1,2-Dichloroethene	0.151	J	0.0572	0.200	1	06/05/2024 07:13	WG2298539
1,2-Dichloropropane	U		0.0508	0.200	1	06/05/2024 07:13	WG2298539
1,1-Dichloropropene	U		0.0280	0.100	1	06/05/2024 07:13	WG2298539
1,3-Dichloropropane	U		0.0700	0.200	1	06/05/2024 07:13	WG2298539
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/05/2024 07:13	WG2298539
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/05/2024 07:13	WG2298539
2,2-Dichloropropane	U		0.0317	0.100	1	06/05/2024 07:13	WG2298539
Di-isopropyl ether	U		0.0140	0.0400	1	06/05/2024 07:13	WG2298539
Ethylbenzene	U		0.0212	0.100	1	06/05/2024 07:13	WG2298539
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/05/2024 07:13	WG2298539
2-Hexanone	U		0.400	1.00	1	06/05/2024 07:13	WG2298539
n-Hexane	U	J3	0.0424	0.200	1	06/05/2024 07:13	WG2298539
Iodomethane	U		0.242	0.500	1	06/05/2024 07:13	WG2298539
Isopropylbenzene	U		0.0345	0.100	1	06/05/2024 07:13	WG2298539
p-Isopropyltoluene	U		0.0932	0.200	1	06/05/2024 07:13	WG2298539
2-Butanone (MEK)	U		0.500	1.00	1	06/05/2024 07:13	WG2298539
Methylene Chloride	U		0.265	1.00	1	06/05/2024 07:13	WG2298539
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/05/2024 07:13	WG2298539
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/05/2024 07:13	WG2298539
Naphthalene	U		0.124	0.500	1	06/05/2024 07:13	WG2298539
n-Propylbenzene	U		0.0472	0.200	1	06/05/2024 07:13	WG2298539
Styrene	U		0.109	0.500	1	06/05/2024 07:13	WG2298539
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/05/2024 07:13	WG2298539
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/05/2024 07:13	WG2298539
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/05/2024 07:13	WG2298539
Tetrachloroethene	U		0.0280	0.100	1	06/05/2024 07:13	WG2298539
Toluene	U		0.0500	0.200	1	06/05/2024 07:13	WG2298539
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/05/2024 07:13	WG2298539
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/05/2024 07:13	WG2298539
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/05/2024 07:13	WG2298539
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/05/2024 07:13	WG2298539
Trichloroethene	U		0.0160	0.0400	1	06/05/2024 07:13	WG2298539
Trichlorofluoromethane	U		0.0200	0.100	1	06/05/2024 07:13	WG2298539
1,2,3-Trichloropropane	U		0.204	0.500	1	06/05/2024 07:13	WG2298539
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/05/2024 07:13	WG2298539
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/05/2024 07:13	WG2298539
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/05/2024 07:13	WG2298539
Vinyl acetate	U		0.141	0.500	1	06/05/2024 07:13	WG2298539
Vinyl chloride	6.03	J3	0.0273	0.100	1	06/05/2024 07:13	WG2298539
Xylenes, Total	U		0.191	0.260	1	06/05/2024 07:13	WG2298539
(S) Toluene-d8	99.2			75.0-131		06/05/2024 07:13	WG2298539
(S) 4-Bromofluorobenzene	101			67.0-138		06/05/2024 07:13	WG2298539
(S) 1,2-Dichloroethane-d4	92.5			70.0-130		06/05/2024 07:13	WG2298539



JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	10400		594	5000	1	06/19/2024 15:27	WG2306764

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	52000		204	2000	2	06/18/2024 08:07	WG2306451

Metals (ICPMS) by Method 6020B

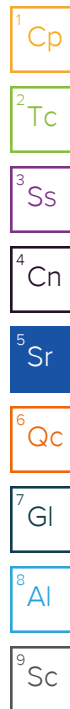
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	42600		28.1	100	1	06/24/2024 21:01	WG2300935
Manganese	1240		0.704	5.00	1	06/24/2024 21:01	WG2300935

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	26800		2.87	6.78	10	06/04/2024 15:54	WG2298329
Ethane	529		0.296	1.29	1	06/04/2024 12:04	WG2297123
Ethene	1140		0.422	1.27	1	06/04/2024 12:04	WG2297123

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.70	U	0.548	1.00	1	06/05/2024 07:33	WG2298539
Acrylonitrile	U		0.0760	0.500	1	06/05/2024 07:33	WG2298539
Benzene	0.104		0.0160	0.0400	1	06/05/2024 07:33	WG2298539
Bromobenzene	U		0.0420	0.500	1	06/05/2024 07:33	WG2298539
Bromochloromethane	U		0.0452	0.200	1	06/05/2024 07:33	WG2298539
Bromodichloromethane	U		0.0315	0.100	1	06/05/2024 07:33	WG2298539
Bromoform	U		0.239	1.00	1	06/05/2024 07:33	WG2298539
Bromomethane	U	J3	0.148	0.500	1	06/05/2024 07:33	WG2298539
n-Butylbenzene	U		0.153	0.500	1	06/05/2024 07:33	WG2298539
sec-Butylbenzene	U		0.101	0.500	1	06/05/2024 07:33	WG2298539
tert-Butylbenzene	U		0.0620	0.200	1	06/05/2024 07:33	WG2298539
Carbon disulfide	0.372	J3	0.162	0.500	1	06/05/2024 07:33	WG2298539
Carbon tetrachloride	U		0.0432	0.200	1	06/05/2024 07:33	WG2298539
Chlorobenzene	U		0.0229	0.100	1	06/05/2024 07:33	WG2298539
Chlorodibromomethane	U		0.0180	0.100	1	06/05/2024 07:33	WG2298539
Chloroethane	U	J3	0.0432	0.200	1	06/05/2024 07:33	WG2298539
Chloroform	U		0.0166	0.100	1	06/05/2024 07:33	WG2298539
Chloromethane	U	J3	0.0556	0.500	1	06/05/2024 07:33	WG2298539
2-Chlorotoluene	U		0.0368	0.100	1	06/05/2024 07:33	WG2298539
4-Chlorotoluene	U		0.0452	0.200	1	06/05/2024 07:33	WG2298539
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/05/2024 07:33	WG2298539
1,2-Dibromoethane	U		0.0210	0.100	1	06/05/2024 07:33	WG2298539
Dibromomethane	U		0.0400	0.200	1	06/05/2024 07:33	WG2298539
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/05/2024 07:33	WG2298539
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/05/2024 07:33	WG2298539
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/05/2024 07:33	WG2298539
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/05/2024 07:33	WG2298539
Dichlorodifluoromethane	U	J3	0.0327	0.200	1	06/05/2024 07:33	WG2298539
1,1-Dichloroethane	U		0.0230	0.100	1	06/05/2024 07:33	WG2298539
1,2-Dichloroethane	U		0.0190	0.100	1	06/05/2024 07:33	WG2298539
1,1-Dichloroethene	15.4		0.0200	0.100	1	06/05/2024 07:33	WG2298539



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	7480		5.52	20.0	200	06/09/2024 13:13	WG2300439
trans-1,2-Dichloroethene	62.4		0.0572	0.200	1	06/05/2024 07:33	WG2298539
1,2-Dichloropropane	U		0.0508	0.200	1	06/05/2024 07:33	WG2298539
1,1-Dichloropropene	U		0.0280	0.100	1	06/05/2024 07:33	WG2298539
1,3-Dichloropropane	U		0.0700	0.200	1	06/05/2024 07:33	WG2298539
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/05/2024 07:33	WG2298539
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/05/2024 07:33	WG2298539
2,2-Dichloropropane	U		0.0317	0.100	1	06/05/2024 07:33	WG2298539
Di-isopropyl ether	U		0.0140	0.0400	1	06/05/2024 07:33	WG2298539
Ethylbenzene	U		0.0212	0.100	1	06/05/2024 07:33	WG2298539
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/05/2024 07:33	WG2298539
2-Hexanone	U		0.400	1.00	1	06/05/2024 07:33	WG2298539
n-Hexane	U	~~J3~~	0.0424	0.200	1	06/05/2024 07:33	WG2298539
Iodomethane	U		0.242	0.500	1	06/05/2024 07:33	WG2298539
Isopropylbenzene	U		0.0345	0.100	1	06/05/2024 07:33	WG2298539
p-Isopropyltoluene	U		0.0932	0.200	1	06/05/2024 07:33	WG2298539
2-Butanone (MEK)	U		0.500	1.00	1	06/05/2024 07:33	WG2298539
Methylene Chloride	U		0.265	1.00	1	06/05/2024 07:33	WG2298539
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/05/2024 07:33	WG2298539
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/05/2024 07:33	WG2298539
Naphthalene	U		0.124	0.500	1	06/05/2024 07:33	WG2298539
n-Propylbenzene	U		0.0472	0.200	1	06/05/2024 07:33	WG2298539
Styrene	U		0.109	0.500	1	06/05/2024 07:33	WG2298539
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/05/2024 07:33	WG2298539
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/05/2024 07:33	WG2298539
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/05/2024 07:33	WG2298539
Tetrachloroethene	U		0.0280	0.100	1	06/05/2024 07:33	WG2298539
Toluene	0.0690	J	0.0500	0.200	1	06/05/2024 07:33	WG2298539
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/05/2024 07:33	WG2298539
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/05/2024 07:33	WG2298539
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/05/2024 07:33	WG2298539
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/05/2024 07:33	WG2298539
Trichloroethene	0.631		0.0160	0.0400	1	06/05/2024 07:33	WG2298539
Trichlorofluoromethane	U		0.0200	0.100	1	06/05/2024 07:33	WG2298539
1,2,3-Trichloropropane	U		0.204	0.500	1	06/05/2024 07:33	WG2298539
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/05/2024 07:33	WG2298539
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/05/2024 07:33	WG2298539
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/05/2024 07:33	WG2298539
Vinyl acetate	U		0.141	0.500	1	06/05/2024 07:33	WG2298539
Vinyl chloride	2370		5.46	20.0	200	06/09/2024 13:13	WG2300439
Xylenes, Total	U		0.191	0.260	1	06/05/2024 07:33	WG2298539
(S) Toluene-d8	101			75.0-131		06/05/2024 07:33	WG2298539
(S) Toluene-d8	109			75.0-131		06/09/2024 13:13	WG2300439
(S) 4-Bromofluorobenzene	101			67.0-138		06/05/2024 07:33	WG2298539
(S) 4-Bromofluorobenzene	98.9			67.0-138		06/09/2024 13:13	WG2300439
(S) 1,2-Dichloroethane-d4	89.5			70.0-130		06/05/2024 07:33	WG2298539
(S) 1,2-Dichloroethane-d4	90.0			70.0-130		06/09/2024 13:13	WG2300439

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

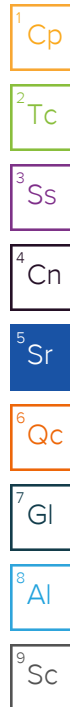
8 Al

9 Sc

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	06/05/2024 07:53	WG2298539
Acrylonitrile	U		0.0760	0.500	1	06/05/2024 07:53	WG2298539
Benzene	U		0.0160	0.0400	1	06/05/2024 07:53	WG2298539
Bromobenzene	U		0.0420	0.500	1	06/05/2024 07:53	WG2298539
Bromochloromethane	U		0.0452	0.200	1	06/05/2024 07:53	WG2298539
Bromodichloromethane	U		0.0315	0.100	1	06/05/2024 07:53	WG2298539
Bromoform	U		0.239	1.00	1	06/05/2024 07:53	WG2298539
Bromomethane	U	J3	0.148	0.500	1	06/05/2024 07:53	WG2298539
n-Butylbenzene	U		0.153	0.500	1	06/05/2024 07:53	WG2298539
sec-Butylbenzene	U		0.101	0.500	1	06/05/2024 07:53	WG2298539
tert-Butylbenzene	U		0.0620	0.200	1	06/05/2024 07:53	WG2298539
Carbon disulfide	U	J3	0.162	0.500	1	06/05/2024 07:53	WG2298539
Carbon tetrachloride	U		0.0432	0.200	1	06/05/2024 07:53	WG2298539
Chlorobenzene	U		0.0229	0.100	1	06/05/2024 07:53	WG2298539
Chlorodibromomethane	U		0.0180	0.100	1	06/05/2024 07:53	WG2298539
Chloroethane	U	J3	0.0432	0.200	1	06/05/2024 07:53	WG2298539
Chloroform	U		0.0166	0.100	1	06/05/2024 07:53	WG2298539
Chloromethane	U	J3	0.0556	0.500	1	06/05/2024 07:53	WG2298539
2-Chlorotoluene	U		0.0368	0.100	1	06/05/2024 07:53	WG2298539
4-Chlorotoluene	U		0.0452	0.200	1	06/05/2024 07:53	WG2298539
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/05/2024 07:53	WG2298539
1,2-Dibromoethane	U		0.0210	0.100	1	06/05/2024 07:53	WG2298539
Dibromomethane	U		0.0400	0.200	1	06/05/2024 07:53	WG2298539
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/05/2024 07:53	WG2298539
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/05/2024 07:53	WG2298539
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/05/2024 07:53	WG2298539
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/05/2024 07:53	WG2298539
Dichlorodifluoromethane	U	J3	0.0327	0.200	1	06/05/2024 07:53	WG2298539
1,1-Dichloroethane	U		0.0230	0.100	1	06/05/2024 07:53	WG2298539
1,2-Dichloroethane	U		0.0190	0.100	1	06/05/2024 07:53	WG2298539
1,1-Dichloroethene	U		0.0200	0.100	1	06/05/2024 07:53	WG2298539
cis-1,2-Dichloroethene	2.91		0.0276	0.100	1	06/09/2024 12:52	WG2300439
trans-1,2-Dichloroethene	0.0870	J	0.0572	0.200	1	06/05/2024 07:53	WG2298539
1,2-Dichloropropane	U		0.0508	0.200	1	06/05/2024 07:53	WG2298539
1,1-Dichloropropene	U		0.0280	0.100	1	06/05/2024 07:53	WG2298539
1,3-Dichloropropane	U		0.0700	0.200	1	06/05/2024 07:53	WG2298539
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/05/2024 07:53	WG2298539
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/05/2024 07:53	WG2298539
2,2-Dichloropropane	U		0.0317	0.100	1	06/05/2024 07:53	WG2298539
Di-isopropyl ether	U		0.0140	0.0400	1	06/05/2024 07:53	WG2298539
Ethylbenzene	U		0.0212	0.100	1	06/05/2024 07:53	WG2298539
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/05/2024 07:53	WG2298539
2-Hexanone	U		0.400	1.00	1	06/05/2024 07:53	WG2298539
n-Hexane	U	J3	0.0424	0.200	1	06/05/2024 07:53	WG2298539
Iodomethane	U		0.242	0.500	1	06/05/2024 07:53	WG2298539
Isopropylbenzene	U		0.0345	0.100	1	06/05/2024 07:53	WG2298539
p-Isopropyltoluene	U		0.0932	0.200	1	06/05/2024 07:53	WG2298539
2-Butanone (MEK)	U		0.500	1.00	1	06/05/2024 07:53	WG2298539
Methylene Chloride	U		0.265	1.00	1	06/05/2024 07:53	WG2298539
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/05/2024 07:53	WG2298539
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/05/2024 07:53	WG2298539
Naphthalene	U		0.124	0.500	1	06/05/2024 07:53	WG2298539
n-Propylbenzene	U		0.0472	0.200	1	06/05/2024 07:53	WG2298539
Styrene	U		0.109	0.500	1	06/05/2024 07:53	WG2298539
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/05/2024 07:53	WG2298539
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/05/2024 07:53	WG2298539



JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/05/2024 07:53	WG2298539
Tetrachloroethene	U		0.0280	0.100	1	06/05/2024 07:53	WG2298539
Toluene	U		0.0500	0.200	1	06/05/2024 07:53	WG2298539
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/05/2024 07:53	WG2298539
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/05/2024 07:53	WG2298539
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/05/2024 07:53	WG2298539
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/05/2024 07:53	WG2298539
Trichloroethene	0.398		0.0160	0.0400	1	06/05/2024 07:53	WG2298539
Trichlorofluoromethane	U		0.0200	0.100	1	06/05/2024 07:53	WG2298539
1,2,3-Trichloropropane	U		0.204	0.500	1	06/05/2024 07:53	WG2298539
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/05/2024 07:53	WG2298539
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/05/2024 07:53	WG2298539
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/05/2024 07:53	WG2298539
Vinyl acetate	U		0.141	0.500	1	06/05/2024 07:53	WG2298539
Vinyl chloride	U		0.0273	0.100	1	06/09/2024 12:52	WG2300439
Xylenes, Total	U		0.191	0.260	1	06/05/2024 07:53	WG2298539
(S) Toluene-d8	99.0			75.0-131		06/05/2024 07:53	WG2298539
(S) Toluene-d8	107			75.0-131		06/09/2024 12:52	WG2300439
(S) 4-Bromofluorobenzene	96.9			67.0-138		06/05/2024 07:53	WG2298539
(S) 4-Bromofluorobenzene	98.1			67.0-138		06/09/2024 12:52	WG2300439
(S) 1,2-Dichloroethane-d4	95.1			70.0-130		06/05/2024 07:53	WG2298539
(S) 1,2-Dichloroethane-d4	92.4			70.0-130		06/09/2024 12:52	WG2300439

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	60700		594	5000	1	06/20/2024 03:14	WG2306755

¹ Cp

² Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	10000		102	1000	1	06/17/2024 04:50	WG2306217

³ Ss

⁴ Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1220		28.1	100	1	06/24/2024 21:05	WG2300935
Manganese	77.1		0.704	5.00	1	06/24/2024 21:05	WG2300935

⁵ Sr

⁶ Qc

⁷ Gl

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	30400		2.87	6.78	10	06/04/2024 16:01	WG2298329
Ethane	6.35		0.296	1.29	1	06/04/2024 12:11	WG2297123
Ethene	82.3		0.422	1.27	1	06/04/2024 12:11	WG2297123

⁸ Al

⁹ Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	8.55		0.548	1.00	1	06/05/2024 08:12	WG2298539
Acrylonitrile	U		0.0760	0.500	1	06/05/2024 08:12	WG2298539
Benzene	0.0210	J	0.0160	0.0400	1	06/05/2024 08:12	WG2298539
Bromobenzene	U		0.0420	0.500	1	06/05/2024 08:12	WG2298539
Bromochloromethane	U		0.0452	0.200	1	06/05/2024 08:12	WG2298539
Bromodichloromethane	U		0.0315	0.100	1	06/05/2024 08:12	WG2298539
Bromoform	U		0.239	1.00	1	06/05/2024 08:12	WG2298539
Bromomethane	U	J3	0.148	0.500	1	06/05/2024 08:12	WG2298539
n-Butylbenzene	U		0.153	0.500	1	06/05/2024 08:12	WG2298539
sec-Butylbenzene	U		0.101	0.500	1	06/05/2024 08:12	WG2298539
tert-Butylbenzene	U		0.0620	0.200	1	06/05/2024 08:12	WG2298539
Carbon disulfide	0.624	J3	0.162	0.500	1	06/05/2024 08:12	WG2298539
Carbon tetrachloride	U		0.0432	0.200	1	06/05/2024 08:12	WG2298539
Chlorobenzene	U		0.0229	0.100	1	06/05/2024 08:12	WG2298539
Chlorodibromomethane	U		0.0180	0.100	1	06/05/2024 08:12	WG2298539
Chloroethane	U	J3	0.0432	0.200	1	06/05/2024 08:12	WG2298539
Chloroform	U		0.0166	0.100	1	06/05/2024 08:12	WG2298539
Chloromethane	U	J3	0.0556	0.500	1	06/05/2024 08:12	WG2298539
2-Chlorotoluene	U		0.0368	0.100	1	06/05/2024 08:12	WG2298539
4-Chlorotoluene	U		0.0452	0.200	1	06/05/2024 08:12	WG2298539
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/05/2024 08:12	WG2298539
1,2-Dibromoethane	U		0.0210	0.100	1	06/05/2024 08:12	WG2298539
Dibromomethane	U		0.0400	0.200	1	06/05/2024 08:12	WG2298539
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/05/2024 08:12	WG2298539
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/05/2024 08:12	WG2298539
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/05/2024 08:12	WG2298539
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/05/2024 08:12	WG2298539
Dichlorodifluoromethane	U	J3	0.0327	0.200	1	06/05/2024 08:12	WG2298539
1,1-Dichloroethane	U		0.0230	0.100	1	06/05/2024 08:12	WG2298539
1,2-Dichloroethane	U		0.0190	0.100	1	06/05/2024 08:12	WG2298539
1,1-Dichloroethene	U		0.0200	0.100	1	06/05/2024 08:12	WG2298539

JC 7/10/24

MW-348-052824

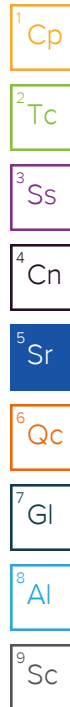
SAMPLE RESULTS - 01

Collected date/time: 05/28/24 10:00

L1741135

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	6.90		0.0276	0.100	1	06/05/2024 08:12	WG2298539
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/05/2024 08:12	WG2298539
1,2-Dichloropropane	U		0.0508	0.200	1	06/05/2024 08:12	WG2298539
1,1-Dichloropropene	U		0.0280	0.100	1	06/05/2024 08:12	WG2298539
1,3-Dichloropropane	U		0.0700	0.200	1	06/05/2024 08:12	WG2298539
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/05/2024 08:12	WG2298539
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/05/2024 08:12	WG2298539
2,2-Dichloropropane	U		0.0317	0.100	1	06/05/2024 08:12	WG2298539
Di-isopropyl ether	U		0.0140	0.0400	1	06/05/2024 08:12	WG2298539
Ethylbenzene	U		0.0212	0.100	1	06/05/2024 08:12	WG2298539
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/05/2024 08:12	WG2298539
2-Hexanone	U		0.400	1.00	1	06/05/2024 08:12	WG2298539
n-Hexane	U	~~J3~~	0.0424	0.200	1	06/05/2024 08:12	WG2298539
Iodomethane	U		0.242	0.500	1	06/05/2024 08:12	WG2298539
Isopropylbenzene	U		0.0345	0.100	1	06/05/2024 08:12	WG2298539
p-Isopropyltoluene	U		0.0932	0.200	1	06/05/2024 08:12	WG2298539
2-Butanone (MEK)	U		0.500	1.00	1	06/05/2024 08:12	WG2298539
Methylene Chloride	U		0.265	1.00	1	06/05/2024 08:12	WG2298539
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/05/2024 08:12	WG2298539
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/05/2024 08:12	WG2298539
Naphthalene	U		0.124	0.500	1	06/05/2024 08:12	WG2298539
n-Propylbenzene	U		0.0472	0.200	1	06/05/2024 08:12	WG2298539
Styrene	U		0.109	0.500	1	06/05/2024 08:12	WG2298539
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/05/2024 08:12	WG2298539
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/05/2024 08:12	WG2298539
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/05/2024 08:12	WG2298539
Tetrachloroethene	U		0.0280	0.100	1	06/05/2024 08:12	WG2298539
Toluene	U		0.0500	0.200	1	06/05/2024 08:12	WG2298539
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/05/2024 08:12	WG2298539
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/05/2024 08:12	WG2298539
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/05/2024 08:12	WG2298539
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/05/2024 08:12	WG2298539
Trichloroethene	0.165		0.0160	0.0400	1	06/05/2024 08:12	WG2298539
Trichlorofluoromethane	U		0.0200	0.100	1	06/05/2024 08:12	WG2298539
1,2,3-Trichloropropane	U		0.204	0.500	1	06/05/2024 08:12	WG2298539
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/05/2024 08:12	WG2298539
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/05/2024 08:12	WG2298539
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/05/2024 08:12	WG2298539
Vinyl acetate	U		0.141	0.500	1	06/05/2024 08:12	WG2298539
Vinyl chloride	17.4	~~J3~~	0.0273	0.100	1	06/05/2024 08:12	WG2298539
Xylenes, Total	U		0.191	0.260	1	06/05/2024 08:12	WG2298539
(S) Toluene-d8	100			75.0-131		06/05/2024 08:12	WG2298539
(S) 4-Bromofluorobenzene	103			67.0-138		06/05/2024 08:12	WG2298539
(S) 1,2-Dichloroethane-d4	93.6			70.0-130		06/05/2024 08:12	WG2298539



JC 7/10/24

ACCOUNT:

PES Environmental, Inc.- WA

PROJECT:

443022-1413001.10.60

SDG:

L1741135

DATE/TIME:

06/25/24 10:01

PAGE:

6 of 25

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Sulfate	5980		594	5000	1	06/20/2024 03:26	WG2306755

Wet Chemistry by Method 9060A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2630		102	1000	1	06/17/2024 05:06	WG2306217

Metals (ICPMS) by Method 6020B

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Iron	907		28.1	100	1	06/24/2024 21:08	WG2300935
Manganese	35.0		0.704	5.00	1	06/24/2024 21:08	WG2300935

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Methane	5720		0.287	0.678	1	06/04/2024 12:18	WG2297123
Ethane	U		0.296	1.29	1	06/04/2024 12:18	WG2297123
Ethene	3.76		0.422	1.27	1	06/04/2024 12:18	WG2297123

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

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Acetone	76.2		0.548	1.00	1	06/05/2024 08:32	WG2298539
Acrylonitrile	U		0.0760	0.500	1	06/05/2024 08:32	WG2298539
Benzene	U		0.0160	0.0400	1	06/05/2024 08:32	WG2298539
Bromobenzene	U		0.0420	0.500	1	06/05/2024 08:32	WG2298539
Bromochloromethane	U		0.0452	0.200	1	06/05/2024 08:32	WG2298539
Bromodichloromethane	U		0.0315	0.100	1	06/05/2024 08:32	WG2298539
Bromoform	U		0.239	1.00	1	06/05/2024 08:32	WG2298539
Bromomethane	U	~~JS~~	0.148	0.500	1	06/05/2024 08:32	WG2298539
n-Butylbenzene	U		0.153	0.500	1	06/05/2024 08:32	WG2298539
sec-Butylbenzene	U		0.101	0.500	1	06/05/2024 08:32	WG2298539
tert-Butylbenzene	U		0.0620	0.200	1	06/05/2024 08:32	WG2298539
Carbon disulfide	U	~~JS~~	0.162	0.500	1	06/05/2024 08:32	WG2298539
Carbon tetrachloride	U		0.0432	0.200	1	06/05/2024 08:32	WG2298539
Chlorobenzene	U		0.0229	0.100	1	06/05/2024 08:32	WG2298539
Chlorodibromomethane	U		0.0180	0.100	1	06/05/2024 08:32	WG2298539
Chloroethane	U	~~JS~~	0.0432	0.200	1	06/05/2024 08:32	WG2298539
Chloroform	U		0.0166	0.100	1	06/05/2024 08:32	WG2298539
Chloromethane	U	~~JS~~	0.0556	0.500	1	06/05/2024 08:32	WG2298539
2-Chlorotoluene	U		0.0368	0.100	1	06/05/2024 08:32	WG2298539
4-Chlorotoluene	U		0.0452	0.200	1	06/05/2024 08:32	WG2298539
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/05/2024 08:32	WG2298539
1,2-Dibromoethane	U		0.0210	0.100	1	06/05/2024 08:32	WG2298539
Dibromomethane	U		0.0400	0.200	1	06/05/2024 08:32	WG2298539
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/05/2024 08:32	WG2298539
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/05/2024 08:32	WG2298539
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/05/2024 08:32	WG2298539
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/05/2024 08:32	WG2298539
Dichlorodifluoromethane	U	~~JS~~	0.0327	0.200	1	06/05/2024 08:32	WG2298539
1,1-Dichloroethane	U		0.0230	0.100	1	06/05/2024 08:32	WG2298539
1,2-Dichloroethane	U		0.0190	0.100	1	06/05/2024 08:32	WG2298539
1,1-Dichloroethene	U		0.0200	0.100	1	06/05/2024 08:32	WG2298539

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

MW-349-052824

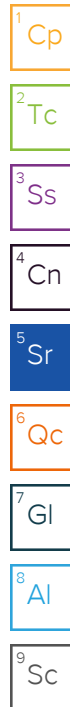
SAMPLE RESULTS - 02

Collected date/time: 05/28/24 11:07

L1741135

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.400		0.0276	0.100	1	06/05/2024 08:32	WG2298539
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/05/2024 08:32	WG2298539
1,2-Dichloropropane	U		0.0508	0.200	1	06/05/2024 08:32	WG2298539
1,1-Dichloropropene	U		0.0280	0.100	1	06/05/2024 08:32	WG2298539
1,3-Dichloropropane	U		0.0700	0.200	1	06/05/2024 08:32	WG2298539
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/05/2024 08:32	WG2298539
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/05/2024 08:32	WG2298539
2,2-Dichloropropane	U		0.0317	0.100	1	06/05/2024 08:32	WG2298539
Di-isopropyl ether	U		0.0140	0.0400	1	06/05/2024 08:32	WG2298539
Ethylbenzene	U		0.0212	0.100	1	06/05/2024 08:32	WG2298539
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/05/2024 08:32	WG2298539
2-Hexanone	U		0.400	1.00	1	06/05/2024 08:32	WG2298539
n-Hexane	U	~~33~~	0.0424	0.200	1	06/05/2024 08:32	WG2298539
Iodomethane	U		0.242	0.500	1	06/05/2024 08:32	WG2298539
Isopropylbenzene	U		0.0345	0.100	1	06/05/2024 08:32	WG2298539
p-Isopropyltoluene	U		0.0932	0.200	1	06/05/2024 08:32	WG2298539
2-Butanone (MEK)	U		0.500	1.00	1	06/05/2024 08:32	WG2298539
Methylene Chloride	U		0.265	1.00	1	06/05/2024 08:32	WG2298539
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/05/2024 08:32	WG2298539
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/05/2024 08:32	WG2298539
Naphthalene	U		0.124	0.500	1	06/05/2024 08:32	WG2298539
n-Propylbenzene	U		0.0472	0.200	1	06/05/2024 08:32	WG2298539
Styrene	U		0.109	0.500	1	06/05/2024 08:32	WG2298539
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/05/2024 08:32	WG2298539
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/05/2024 08:32	WG2298539
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/05/2024 08:32	WG2298539
Tetrachloroethene	U		0.0280	0.100	1	06/05/2024 08:32	WG2298539
Toluene	U		0.0500	0.200	1	06/05/2024 08:32	WG2298539
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/05/2024 08:32	WG2298539
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/05/2024 08:32	WG2298539
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/05/2024 08:32	WG2298539
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/05/2024 08:32	WG2298539
Trichloroethene	0.0420		0.0160	0.0400	1	06/05/2024 08:32	WG2298539
Trichlorofluoromethane	U		0.0200	0.100	1	06/05/2024 08:32	WG2298539
1,2,3-Trichloropropane	U		0.204	0.500	1	06/05/2024 08:32	WG2298539
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/05/2024 08:32	WG2298539
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/05/2024 08:32	WG2298539
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/05/2024 08:32	WG2298539
Vinyl acetate	U		0.141	0.500	1	06/05/2024 08:32	WG2298539
Vinyl chloride	0.449	~~33~~	0.0273	0.100	1	06/05/2024 08:32	WG2298539
Xylenes, Total	U		0.191	0.260	1	06/05/2024 08:32	WG2298539
(S) Toluene-d8	99.6			75.0-131		06/05/2024 08:32	WG2298539
(S) 4-Bromofluorobenzene	101			67.0-138		06/05/2024 08:32	WG2298539
(S) 1,2-Dichloroethane-d4	93.1			70.0-130		06/05/2024 08:32	WG2298539



JC 7/10/24

ACCOUNT:

PES Environmental, Inc.- WA

PROJECT:

443022-1413001.10.60

SDG:

L1741135

DATE/TIME:

06/25/24 10:01

PAGE:

8 of 25

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	16200		594	5000	1	06/20/2024 03:39	WG2306755

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	941	J+ ~~JS~~	102	1000	1	06/17/2024 05:20	WG2306217

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	675		28.1	100	1	06/24/2024 21:25	WG2300935
Manganese	19.3		0.704	5.00	1	06/24/2024 21:25	WG2300935

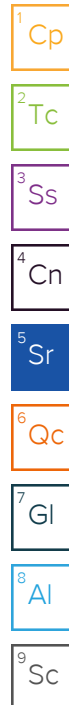
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	U		0.287	0.678	1	06/04/2024 12:24	WG2297123
Ethane	U		0.296	1.29	1	06/04/2024 12:24	WG2297123
Ethene	U		0.422	1.27	1	06/04/2024 12:24	WG2297123

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	2.02	J	0.548	1.00	1	06/05/2024 08:52	WG2298539
Acrylonitrile	U		0.0760	0.500	1	06/05/2024 08:52	WG2298539
Benzene	U		0.0160	0.0400	1	06/05/2024 08:52	WG2298539
Bromobenzene	U		0.0420	0.500	1	06/05/2024 08:52	WG2298539
Bromochloromethane	U		0.0452	0.200	1	06/05/2024 08:52	WG2298539
Bromodichloromethane	U		0.0315	0.100	1	06/05/2024 08:52	WG2298539
Bromoform	U		0.239	1.00	1	06/05/2024 08:52	WG2298539
Bromomethane	U	~~JS~~	0.148	0.500	1	06/05/2024 08:52	WG2298539
n-Butylbenzene	U		0.153	0.500	1	06/05/2024 08:52	WG2298539
sec-Butylbenzene	U		0.101	0.500	1	06/05/2024 08:52	WG2298539
tert-Butylbenzene	U		0.0620	0.200	1	06/05/2024 08:52	WG2298539
Carbon disulfide	U	~~JS~~	0.162	0.500	1	06/05/2024 08:52	WG2298539
Carbon tetrachloride	U		0.0432	0.200	1	06/05/2024 08:52	WG2298539
Chlorobenzene	U		0.0229	0.100	1	06/05/2024 08:52	WG2298539
Chlorodibromomethane	U		0.0180	0.100	1	06/05/2024 08:52	WG2298539
Chloroethane	U	~~JS~~	0.0432	0.200	1	06/05/2024 08:52	WG2298539
Chloroform	U		0.0166	0.100	1	06/05/2024 08:52	WG2298539
Chloromethane	U	~~JS~~	0.0556	0.500	1	06/05/2024 08:52	WG2298539
2-Chlorotoluene	U		0.0368	0.100	1	06/05/2024 08:52	WG2298539
4-Chlorotoluene	U		0.0452	0.200	1	06/05/2024 08:52	WG2298539
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/05/2024 08:52	WG2298539
1,2-Dibromoethane	U		0.0210	0.100	1	06/05/2024 08:52	WG2298539
Dibromomethane	U		0.0400	0.200	1	06/05/2024 08:52	WG2298539
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/05/2024 08:52	WG2298539
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/05/2024 08:52	WG2298539
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/05/2024 08:52	WG2298539
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/05/2024 08:52	WG2298539
Dichlorodifluoromethane	U	~~JS~~	0.0327	0.200	1	06/05/2024 08:52	WG2298539
1,1-Dichloroethane	U		0.0230	0.100	1	06/05/2024 08:52	WG2298539
1,2-Dichloroethane	U		0.0190	0.100	1	06/05/2024 08:52	WG2298539
1,1-Dichloroethene	U		0.0200	0.100	1	06/05/2024 08:52	WG2298539

JC 7/10/24



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.447		0.0276	0.100	1	06/05/2024 08:52	WG2298539
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/05/2024 08:52	WG2298539
1,2-Dichloropropane	U		0.0508	0.200	1	06/05/2024 08:52	WG2298539
1,1-Dichloropropene	U		0.0280	0.100	1	06/05/2024 08:52	WG2298539
1,3-Dichloropropane	U		0.0700	0.200	1	06/05/2024 08:52	WG2298539
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/05/2024 08:52	WG2298539
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/05/2024 08:52	WG2298539
2,2-Dichloropropane	U		0.0317	0.100	1	06/05/2024 08:52	WG2298539
Di-isopropyl ether	U		0.0140	0.0400	1	06/05/2024 08:52	WG2298539
Ethylbenzene	U		0.0212	0.100	1	06/05/2024 08:52	WG2298539
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/05/2024 08:52	WG2298539
2-Hexanone	U		0.400	1.00	1	06/05/2024 08:52	WG2298539
n-Hexane	U	~~J3~~	0.0424	0.200	1	06/05/2024 08:52	WG2298539
Iodomethane	U		0.242	0.500	1	06/05/2024 08:52	WG2298539
Isopropylbenzene	U		0.0345	0.100	1	06/05/2024 08:52	WG2298539
p-Isopropyltoluene	U		0.0932	0.200	1	06/05/2024 08:52	WG2298539
2-Butanone (MEK)	U		0.500	1.00	1	06/05/2024 08:52	WG2298539
Methylene Chloride	U		0.265	1.00	1	06/05/2024 08:52	WG2298539
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/05/2024 08:52	WG2298539
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/05/2024 08:52	WG2298539
Naphthalene	U		0.124	0.500	1	06/05/2024 08:52	WG2298539
n-Propylbenzene	U		0.0472	0.200	1	06/05/2024 08:52	WG2298539
Styrene	U		0.109	0.500	1	06/05/2024 08:52	WG2298539
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/05/2024 08:52	WG2298539
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/05/2024 08:52	WG2298539
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/05/2024 08:52	WG2298539
Tetrachloroethene	0.0850	U	0.0280	0.100	1	06/05/2024 08:52	WG2298539
Toluene	U		0.0500	0.200	1	06/05/2024 08:52	WG2298539
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/05/2024 08:52	WG2298539
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/05/2024 08:52	WG2298539
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/05/2024 08:52	WG2298539
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/05/2024 08:52	WG2298539
Trichloroethene	0.0620		0.0160	0.0400	1	06/05/2024 08:52	WG2298539
Trichlorofluoromethane	U		0.0200	0.100	1	06/05/2024 08:52	WG2298539
1,2,3-Trichloropropane	U		0.204	0.500	1	06/05/2024 08:52	WG2298539
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/05/2024 08:52	WG2298539
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/05/2024 08:52	WG2298539
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/05/2024 08:52	WG2298539
Vinyl acetate	U		0.141	0.500	1	06/05/2024 08:52	WG2298539
Vinyl chloride	U	~~J3~~	0.0273	0.100	1	06/05/2024 08:52	WG2298539
Xylenes, Total	U		0.191	0.260	1	06/05/2024 08:52	WG2298539
(S) Toluene-d8	102			75.0-131		06/05/2024 08:52	WG2298539
(S) 4-Bromofluorobenzene	106			67.0-138		06/05/2024 08:52	WG2298539
(S) 1,2-Dichloroethane-d4	93.9			70.0-130		06/05/2024 08:52	WG2298539

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	16100		594	5000	1	06/20/2024 04:40	WG2306755

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1130	J+ ~~B~~	102	1000	1	06/17/2024 05:33	WG2306217

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	642		28.1	100	1	06/24/2024 21:28	WG2300935
Manganese	18.8		0.704	5.00	1	06/24/2024 21:28	WG2300935

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	U		0.287	0.678	1	06/04/2024 12:30	WG2297123
Ethane	U		0.296	1.29	1	06/04/2024 12:30	WG2297123
Ethene	U		0.422	1.27	1	06/04/2024 12:30	WG2297123

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U	UJ	0.548	1.00	1	06/05/2024 09:12	WG2298539
Acrylonitrile	U		0.0760	0.500	1	06/05/2024 09:12	WG2298539
Benzene	U		0.0160	0.0400	1	06/05/2024 09:12	WG2298539
Bromobenzene	U		0.0420	0.500	1	06/05/2024 09:12	WG2298539
Bromochloromethane	U		0.0452	0.200	1	06/05/2024 09:12	WG2298539
Bromodichloromethane	U		0.0315	0.100	1	06/05/2024 09:12	WG2298539
Bromoform	U		0.239	1.00	1	06/05/2024 09:12	WG2298539
Bromomethane	U	J3	0.148	0.500	1	06/05/2024 09:12	WG2298539
n-Butylbenzene	U		0.153	0.500	1	06/05/2024 09:12	WG2298539
sec-Butylbenzene	U		0.101	0.500	1	06/05/2024 09:12	WG2298539
tert-Butylbenzene	U		0.0620	0.200	1	06/05/2024 09:12	WG2298539
Carbon disulfide	U	J3	0.162	0.500	1	06/05/2024 09:12	WG2298539
Carbon tetrachloride	U		0.0432	0.200	1	06/05/2024 09:12	WG2298539
Chlorobenzene	U		0.0229	0.100	1	06/05/2024 09:12	WG2298539
Chlorodibromomethane	U		0.0180	0.100	1	06/05/2024 09:12	WG2298539
Chloroethane	U	J3	0.0432	0.200	1	06/05/2024 09:12	WG2298539
Chloroform	U		0.0166	0.100	1	06/05/2024 09:12	WG2298539
Chloromethane	U	J3	0.0556	0.500	1	06/05/2024 09:12	WG2298539
2-Chlorotoluene	U		0.0368	0.100	1	06/05/2024 09:12	WG2298539
4-Chlorotoluene	U		0.0452	0.200	1	06/05/2024 09:12	WG2298539
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/05/2024 09:12	WG2298539
1,2-Dibromoethane	U		0.0210	0.100	1	06/05/2024 09:12	WG2298539
Dibromomethane	U		0.0400	0.200	1	06/05/2024 09:12	WG2298539
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/05/2024 09:12	WG2298539
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/05/2024 09:12	WG2298539
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/05/2024 09:12	WG2298539
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/05/2024 09:12	WG2298539
Dichlorodifluoromethane	U	J3	0.0327	0.200	1	06/05/2024 09:12	WG2298539
1,1-Dichloroethane	U		0.0230	0.100	1	06/05/2024 09:12	WG2298539
1,2-Dichloroethane	U		0.0190	0.100	1	06/05/2024 09:12	WG2298539
1,1-Dichloroethene	U		0.0200	0.100	1	06/05/2024 09:12	WG2298539

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.528		0.0276	0.100	1	06/05/2024 09:12	WG2298539
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/05/2024 09:12	WG2298539
1,2-Dichloropropane	U		0.0508	0.200	1	06/05/2024 09:12	WG2298539
1,1-Dichloropropene	U		0.0280	0.100	1	06/05/2024 09:12	WG2298539
1,3-Dichloropropane	U		0.0700	0.200	1	06/05/2024 09:12	WG2298539
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/05/2024 09:12	WG2298539
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/05/2024 09:12	WG2298539
2,2-Dichloropropane	U		0.0317	0.100	1	06/05/2024 09:12	WG2298539
Di-isopropyl ether	U		0.0140	0.0400	1	06/05/2024 09:12	WG2298539
Ethylbenzene	U		0.0212	0.100	1	06/05/2024 09:12	WG2298539
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/05/2024 09:12	WG2298539
2-Hexanone	U		0.400	1.00	1	06/05/2024 09:12	WG2298539
n-Hexane	U		0.0424	0.200	1	06/05/2024 09:12	WG2298539
Iodomethane	U		0.242	0.500	1	06/05/2024 09:12	WG2298539
Isopropylbenzene	U		0.0345	0.100	1	06/05/2024 09:12	WG2298539
p-Isopropyltoluene	U		0.0932	0.200	1	06/05/2024 09:12	WG2298539
2-Butanone (MEK)	U		0.500	1.00	1	06/05/2024 09:12	WG2298539
Methylene Chloride	U		0.265	1.00	1	06/05/2024 09:12	WG2298539
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/05/2024 09:12	WG2298539
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/05/2024 09:12	WG2298539
Naphthalene	U		0.124	0.500	1	06/05/2024 09:12	WG2298539
n-Propylbenzene	U		0.0472	0.200	1	06/05/2024 09:12	WG2298539
Styrene	U		0.109	0.500	1	06/05/2024 09:12	WG2298539
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/05/2024 09:12	WG2298539
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/05/2024 09:12	WG2298539
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/05/2024 09:12	WG2298539
Tetrachloroethene	0.106		0.0280	0.100	1	06/05/2024 09:12	WG2298539
Toluene	U		0.0500	0.200	1	06/05/2024 09:12	WG2298539
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/05/2024 09:12	WG2298539
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/05/2024 09:12	WG2298539
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/05/2024 09:12	WG2298539
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/05/2024 09:12	WG2298539
Trichloroethene	0.0520		0.0160	0.0400	1	06/05/2024 09:12	WG2298539
Trichlorofluoromethane	U		0.0200	0.100	1	06/05/2024 09:12	WG2298539
1,2,3-Trichloropropane	U		0.204	0.500	1	06/05/2024 09:12	WG2298539
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/05/2024 09:12	WG2298539
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/05/2024 09:12	WG2298539
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/05/2024 09:12	WG2298539
Vinyl acetate	U		0.141	0.500	1	06/05/2024 09:12	WG2298539
Vinyl chloride	U		0.0273	0.100	1	06/05/2024 09:12	WG2298539
Xylenes, Total	U		0.191	0.260	1	06/05/2024 09:12	WG2298539
(S) Toluene-d8	100			75.0-131		06/05/2024 09:12	WG2298539
(S) 4-Bromofluorobenzene	103			67.0-138		06/05/2024 09:12	WG2298539
(S) 1,2-Dichloroethane-d4	91.1			70.0-130		06/05/2024 09:12	WG2298539

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/10/24

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/10/2024 05:04	WG2301894
Acrylonitrile	U		0.0760	0.500	1	06/10/2024 05:04	WG2301894
Benzene	U		0.0160	0.0400	1	06/10/2024 05:04	WG2301894
Bromobenzene	U		0.0420	0.500	1	06/10/2024 05:04	WG2301894
Bromochloromethane	U		0.0452	0.200	1	06/10/2024 05:04	WG2301894
Bromodichloromethane	U		0.0315	0.100	1	06/10/2024 05:04	WG2301894
Bromoform	U		0.239	1.00	1	06/10/2024 05:04	WG2301894
Bromomethane	U	UJ C3	0.148	0.500	1	06/10/2024 05:04	WG2301894
n-Butylbenzene	U		0.153	0.500	1	06/10/2024 05:04	WG2301894
sec-Butylbenzene	U		0.101	0.500	1	06/10/2024 05:04	WG2301894
tert-Butylbenzene	U		0.0620	0.200	1	06/10/2024 05:04	WG2301894
Carbon disulfide	U		0.162	0.500	1	06/10/2024 05:04	WG2301894
Carbon tetrachloride	U		0.0432	0.200	1	06/10/2024 05:04	WG2301894
Chlorobenzene	U		0.0229	0.100	1	06/10/2024 05:04	WG2301894
Chlorodibromomethane	U		0.0180	0.100	1	06/10/2024 05:04	WG2301894
Chloroethane	U		0.0432	0.200	1	06/10/2024 05:04	WG2301894
Chloroform	U		0.0166	0.100	1	06/10/2024 05:04	WG2301894
Chloromethane	U		0.0556	0.500	1	06/10/2024 05:04	WG2301894
2-Chlorotoluene	U		0.0368	0.100	1	06/10/2024 05:04	WG2301894
4-Chlorotoluene	U		0.0452	0.200	1	06/10/2024 05:04	WG2301894
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/10/2024 05:04	WG2301894
1,2-Dibromoethane	U		0.0210	0.100	1	06/10/2024 05:04	WG2301894
Dibromomethane	U		0.0400	0.200	1	06/10/2024 05:04	WG2301894
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/10/2024 05:04	WG2301894
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/10/2024 05:04	WG2301894
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/10/2024 05:04	WG2301894
trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	06/10/2024 05:04	WG2301894
Dichlorodifluoromethane	U		0.0327	0.200	1	06/10/2024 05:04	WG2301894
1,1-Dichloroethane	U		0.0230	0.100	1	06/10/2024 05:04	WG2301894
1,2-Dichloroethane	U		0.0190	0.100	1	06/10/2024 05:04	WG2301894
1,1-Dichloroethene	U		0.0200	0.100	1	06/10/2024 05:04	WG2301894
cis-1,2-Dichloroethene	0.599		0.0276	0.100	1	06/10/2024 05:04	WG2301894
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/10/2024 05:04	WG2301894
1,2-Dichloropropane	U		0.0508	0.200	1	06/10/2024 05:04	WG2301894
1,1-Dichloropropene	U		0.0280	0.100	1	06/10/2024 05:04	WG2301894
1,3-Dichloropropane	U		0.0700	0.200	1	06/10/2024 05:04	WG2301894
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/10/2024 05:04	WG2301894
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/10/2024 05:04	WG2301894
2,2-Dichloropropane	U		0.0317	0.100	1	06/10/2024 05:04	WG2301894
Di-isopropyl ether	U		0.0140	0.0400	1	06/10/2024 05:04	WG2301894
Ethylbenzene	U		0.0212	0.100	1	06/10/2024 05:04	WG2301894
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/10/2024 05:04	WG2301894
2-Hexanone	U		0.400	1.00	1	06/10/2024 05:04	WG2301894
n-Hexane	U		0.0424	0.200	1	06/10/2024 05:04	WG2301894
Iodomethane	U		0.242	0.500	1	06/10/2024 05:04	WG2301894
Isopropylbenzene	U		0.0345	0.100	1	06/10/2024 05:04	WG2301894
p-Isopropyltoluene	U		0.0932	0.200	1	06/10/2024 05:04	WG2301894
2-Butanone (MEK)	U		0.500	1.00	1	06/10/2024 05:04	WG2301894
Methylene Chloride	U		0.265	1.00	1	06/10/2024 05:04	WG2301894
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/10/2024 05:04	WG2301894
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/10/2024 05:04	WG2301894
Naphthalene	U		0.124	0.500	1	06/10/2024 05:04	WG2301894
n-Propylbenzene	U		0.0472	0.200	1	06/10/2024 05:04	WG2301894
Styrene	U		0.109	0.500	1	06/10/2024 05:04	WG2301894
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/10/2024 05:04	WG2301894
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/10/2024 05:04	WG2301894

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/18/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/10/2024 05:04	WG2301894
Tetrachloroethene	U		0.0280	0.100	1	06/10/2024 05:04	WG2301894
Toluene	U		0.0500	0.200	1	06/10/2024 05:04	WG2301894
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/10/2024 05:04	WG2301894
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/10/2024 05:04	WG2301894
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/10/2024 05:04	WG2301894
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/10/2024 05:04	WG2301894
Trichloroethene	U		0.0160	0.0400	1	06/10/2024 05:04	WG2301894
Trichlorofluoromethane	U		0.0200	0.100	1	06/10/2024 05:04	WG2301894
1,2,3-Trichloropropane	U		0.204	0.500	1	06/10/2024 05:04	WG2301894
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/10/2024 05:04	WG2301894
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/10/2024 05:04	WG2301894
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/10/2024 05:04	WG2301894
Vinyl acetate	U		0.141	0.500	1	06/10/2024 05:04	WG2301894
Vinyl chloride	0.280		0.0273	0.100	1	06/10/2024 05:04	WG2301894
Xylenes, Total	U		0.191	0.260	1	06/10/2024 05:04	WG2301894
(S) Toluene-d8	102			75.0-131		06/10/2024 05:04	WG2301894
(S) 4-Bromofluorobenzene	101			67.0-138		06/10/2024 05:04	WG2301894
(S) 1,2-Dichloroethane-d4	90.9			70.0-130		06/10/2024 05:04	WG2301894

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/18/24

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/10/2024 05:24	WG2301894
Acrylonitrile	U		0.0760	0.500	1	06/10/2024 05:24	WG2301894
Benzene	U		0.0160	0.0400	1	06/10/2024 05:24	WG2301894
Bromobenzene	U		0.0420	0.500	1	06/10/2024 05:24	WG2301894
Bromochloromethane	U		0.0452	0.200	1	06/10/2024 05:24	WG2301894
Bromodichloromethane	U		0.0315	0.100	1	06/10/2024 05:24	WG2301894
Bromoform	U		0.239	1.00	1	06/10/2024 05:24	WG2301894
Bromomethane	U	UJ C3	0.148	0.500	1	06/10/2024 05:24	WG2301894
n-Butylbenzene	U		0.153	0.500	1	06/10/2024 05:24	WG2301894
sec-Butylbenzene	U		0.101	0.500	1	06/10/2024 05:24	WG2301894
tert-Butylbenzene	U		0.0620	0.200	1	06/10/2024 05:24	WG2301894
Carbon disulfide	U		0.162	0.500	1	06/10/2024 05:24	WG2301894
Carbon tetrachloride	U		0.0432	0.200	1	06/10/2024 05:24	WG2301894
Chlorobenzene	U		0.0229	0.100	1	06/10/2024 05:24	WG2301894
Chlorodibromomethane	U		0.0180	0.100	1	06/10/2024 05:24	WG2301894
Chloroethane	U		0.0432	0.200	1	06/10/2024 05:24	WG2301894
Chloroform	U		0.0166	0.100	1	06/10/2024 05:24	WG2301894
Chloromethane	U		0.0556	0.500	1	06/10/2024 05:24	WG2301894
2-Chlorotoluene	U		0.0368	0.100	1	06/10/2024 05:24	WG2301894
4-Chlorotoluene	U		0.0452	0.200	1	06/10/2024 05:24	WG2301894
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/10/2024 05:24	WG2301894
1,2-Dibromoethane	U		0.0210	0.100	1	06/10/2024 05:24	WG2301894
Dibromomethane	U		0.0400	0.200	1	06/10/2024 05:24	WG2301894
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/10/2024 05:24	WG2301894
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/10/2024 05:24	WG2301894
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/10/2024 05:24	WG2301894
trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	06/10/2024 05:24	WG2301894
Dichlorodifluoromethane	U		0.0327	0.200	1	06/10/2024 05:24	WG2301894
1,1-Dichloroethane	U		0.0230	0.100	1	06/10/2024 05:24	WG2301894
1,2-Dichloroethane	U		0.0190	0.100	1	06/10/2024 05:24	WG2301894
1,1-Dichloroethene	U		0.0200	0.100	1	06/10/2024 05:24	WG2301894
cis-1,2-Dichloroethene	0.564		0.0276	0.100	1	06/10/2024 05:24	WG2301894
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/10/2024 05:24	WG2301894
1,2-Dichloropropane	U		0.0508	0.200	1	06/10/2024 05:24	WG2301894
1,1-Dichloropropene	U		0.0280	0.100	1	06/10/2024 05:24	WG2301894
1,3-Dichloropropane	U		0.0700	0.200	1	06/10/2024 05:24	WG2301894
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/10/2024 05:24	WG2301894
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/10/2024 05:24	WG2301894
2,2-Dichloropropane	U		0.0317	0.100	1	06/10/2024 05:24	WG2301894
Di-isopropyl ether	U		0.0140	0.0400	1	06/10/2024 05:24	WG2301894
Ethylbenzene	U		0.0212	0.100	1	06/10/2024 05:24	WG2301894
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/10/2024 05:24	WG2301894
2-Hexanone	U		0.400	1.00	1	06/10/2024 05:24	WG2301894
n-Hexane	U		0.0424	0.200	1	06/10/2024 05:24	WG2301894
Iodomethane	U		0.242	0.500	1	06/10/2024 05:24	WG2301894
Isopropylbenzene	U		0.0345	0.100	1	06/10/2024 05:24	WG2301894
p-Isopropyltoluene	U		0.0932	0.200	1	06/10/2024 05:24	WG2301894
2-Butanone (MEK)	U		0.500	1.00	1	06/10/2024 05:24	WG2301894
Methylene Chloride	U		0.265	1.00	1	06/10/2024 05:24	WG2301894
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/10/2024 05:24	WG2301894
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/10/2024 05:24	WG2301894
Naphthalene	U		0.124	0.500	1	06/10/2024 05:24	WG2301894
n-Propylbenzene	U		0.0472	0.200	1	06/10/2024 05:24	WG2301894
Styrene	U		0.109	0.500	1	06/10/2024 05:24	WG2301894
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/10/2024 05:24	WG2301894
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/10/2024 05:24	WG2301894

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

JC 7/18/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/10/2024 05:24	WG2301894
Tetrachloroethene	U		0.0280	0.100	1	06/10/2024 05:24	WG2301894
Toluene	U		0.0500	0.200	1	06/10/2024 05:24	WG2301894
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/10/2024 05:24	WG2301894
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/10/2024 05:24	WG2301894
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/10/2024 05:24	WG2301894
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/10/2024 05:24	WG2301894
Trichloroethene	U		0.0160	0.0400	1	06/10/2024 05:24	WG2301894
Trichlorofluoromethane	U		0.0200	0.100	1	06/10/2024 05:24	WG2301894
1,2,3-Trichloropropane	U		0.204	0.500	1	06/10/2024 05:24	WG2301894
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/10/2024 05:24	WG2301894
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/10/2024 05:24	WG2301894
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/10/2024 05:24	WG2301894
Vinyl acetate	U		0.141	0.500	1	06/10/2024 05:24	WG2301894
Vinyl chloride	0.273		0.0273	0.100	1	06/10/2024 05:24	WG2301894
Xylenes, Total	U		0.191	0.260	1	06/10/2024 05:24	WG2301894
(S) Toluene-d8	103			75.0-131		06/10/2024 05:24	WG2301894
(S) 4-Bromofluorobenzene	98.8			67.0-138		06/10/2024 05:24	WG2301894
(S) 1,2-Dichloroethane-d4	92.7			70.0-130		06/10/2024 05:24	WG2301894

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/18/24

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Sulfate	17600	J	5940	50000	10	06/28/2024 02:51	WG2310843

Sample Narrative:
L1742408-03 WG2310843: Dilution due to matrix interference

Wet Chemistry by Method 9060A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	5610		102	1000	1	06/19/2024 05:23	WG2307287

Metals (ICPMS) by Method 6020B

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Iron	7670		28.1	100	1	07/03/2024 17:17	WG2308019
Manganese	1760		0.704	5.00	1	07/03/2024 17:17	WG2308019

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Methane	1080	J	0.287	0.678	1	06/06/2024 11:32	WG2297748
Ethane	13.0	J	0.296	1.29	1	06/06/2024 11:32	WG2297748
Ethene	9.86	J	0.422	1.27	1	06/06/2024 11:32	WG2297748

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

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Acetone	U		2.74	5.00	5	06/10/2024 09:38	WG2301894
Acrylonitrile	U		0.380	2.50	5	06/10/2024 09:38	WG2301894
Benzene	U		0.0800	0.200	5	06/10/2024 09:38	WG2301894
Bromobenzene	U		0.210	2.50	5	06/10/2024 09:38	WG2301894
Bromochloromethane	U		0.226	1.00	5	06/10/2024 09:38	WG2301894
Bromodichloromethane	U		0.158	0.500	5	06/10/2024 09:38	WG2301894
Bromoform	U		1.20	5.00	5	06/10/2024 09:38	WG2301894
Bromomethane	U	UJ C3	0.740	2.50	5	06/10/2024 09:38	WG2301894
n-Butylbenzene	U		0.765	2.50	5	06/10/2024 09:38	WG2301894
sec-Butylbenzene	U		0.505	2.50	5	06/10/2024 09:38	WG2301894
tert-Butylbenzene	U		0.310	1.00	5	06/10/2024 09:38	WG2301894
Carbon disulfide	U		0.810	2.50	5	06/10/2024 09:38	WG2301894
Carbon tetrachloride	U		0.216	1.00	5	06/10/2024 09:38	WG2301894
Chlorobenzene	U		0.115	0.500	5	06/10/2024 09:38	WG2301894
Chlorodibromomethane	U		0.0900	0.500	5	06/10/2024 09:38	WG2301894
Chloroethane	U		0.216	1.00	5	06/10/2024 09:38	WG2301894
Chloroform	U		0.0830	0.500	5	06/10/2024 09:38	WG2301894
Chloromethane	U		0.278	2.50	5	06/10/2024 09:38	WG2301894
2-Chlorotoluene	U		0.184	0.500	5	06/10/2024 09:38	WG2301894
4-Chlorotoluene	U		0.226	1.00	5	06/10/2024 09:38	WG2301894
1,2-Dibromo-3-Chloropropane	U	UJ C3	1.02	5.00	5	06/10/2024 09:38	WG2301894
1,2-Dibromoethane	U		0.105	0.500	5	06/10/2024 09:38	WG2301894
Dibromomethane	U		0.200	1.00	5	06/10/2024 09:38	WG2301894
1,2-Dichlorobenzene	U		0.290	1.00	5	06/10/2024 09:38	WG2301894
1,3-Dichlorobenzene	U		0.340	1.00	5	06/10/2024 09:38	WG2301894
1,4-Dichlorobenzene	U		0.394	1.00	5	06/10/2024 09:38	WG2301894
trans-1,4-Dichloro-2-butene	U	UJ C3	0.280	1.00	5	06/10/2024 09:38	WG2301894
Dichlorodifluoromethane	U		0.164	1.00	5	06/10/2024 09:38	WG2301894

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/18/24

MW-987-053124

SAMPLE RESULTS - 03

Collected date/time: 05/31/24 12:34

L1742408

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloroethane	U		0.115	0.500	5	06/10/2024 09:38	WG2301894
1,2-Dichloroethane	U		0.0950	0.500	5	06/10/2024 09:38	WG2301894
1,1-Dichloroethene	U		0.100	0.500	5	06/10/2024 09:38	WG2301894
cis-1,2-Dichloroethene	56.5		0.138	0.500	5	06/10/2024 09:38	WG2301894
trans-1,2-Dichloroethene	1.15		0.286	1.00	5	06/10/2024 09:38	WG2301894
1,2-Dichloropropane	U		0.254	1.00	5	06/10/2024 09:38	WG2301894
1,1-Dichloropropene	U		0.140	0.500	5	06/10/2024 09:38	WG2301894
1,3-Dichloropropane	U		0.350	1.00	5	06/10/2024 09:38	WG2301894
cis-1,3-Dichloropropene	U		0.136	0.500	5	06/10/2024 09:38	WG2301894
trans-1,3-Dichloropropene	U		0.306	1.00	5	06/10/2024 09:38	WG2301894
2,2-Dichloropropane	U		0.159	0.500	5	06/10/2024 09:38	WG2301894
Di-isopropyl ether	U		0.0700	0.200	5	06/10/2024 09:38	WG2301894
Ethylbenzene	U		0.106	0.500	5	06/10/2024 09:38	WG2301894
Hexachloro-1,3-butadiene	U		2.54	5.00	5	06/10/2024 09:38	WG2301894
2-Hexanone	U		2.00	5.00	5	06/10/2024 09:38	WG2301894
n-Hexane	U		0.212	1.00	5	06/10/2024 09:38	WG2301894
Iodomethane	U		1.21	2.50	5	06/10/2024 09:38	WG2301894
Isopropylbenzene	U		0.173	0.500	5	06/10/2024 09:38	WG2301894
p-Isopropyltoluene	U		0.466	1.00	5	06/10/2024 09:38	WG2301894
2-Butanone (MEK)	U		2.50	5.00	5	06/10/2024 09:38	WG2301894
Methylene Chloride	U		1.33	5.00	5	06/10/2024 09:38	WG2301894
4-Methyl-2-pentanone (MIBK)	U		2.00	5.00	5	06/10/2024 09:38	WG2301894
Methyl tert-butyl ether	U		0.0590	0.200	5	06/10/2024 09:38	WG2301894
Naphthalene	U		0.620	2.50	5	06/10/2024 09:38	WG2301894
n-Propylbenzene	U		0.236	1.00	5	06/10/2024 09:38	WG2301894
Styrene	U		0.545	2.50	5	06/10/2024 09:38	WG2301894
1,1,1,2-Tetrachloroethane	U		0.100	0.500	5	06/10/2024 09:38	WG2301894
1,1,2,2-Tetrachloroethane	U		0.0780	0.500	5	06/10/2024 09:38	WG2301894
1,1,2-Trichlorotrifluoroethane	U		0.135	0.500	5	06/10/2024 09:38	WG2301894
Tetrachloroethene	U		0.140	0.500	5	06/10/2024 09:38	WG2301894
Toluene	U		0.250	1.00	5	06/10/2024 09:38	WG2301894
1,2,3-Trichlorobenzene	U		0.125	2.50	5	06/10/2024 09:38	WG2301894
1,2,4-Trichlorobenzene	U		0.965	2.50	5	06/10/2024 09:38	WG2301894
1,1,1-Trichloroethane	U		0.0550	0.500	5	06/10/2024 09:38	WG2301894
1,1,2-Trichloroethane	U		0.177	0.500	5	06/10/2024 09:38	WG2301894
Trichloroethene	0.340		0.0800	0.200	5	06/10/2024 09:38	WG2301894
Trichlorofluoromethane	U		0.100	0.500	5	06/10/2024 09:38	WG2301894
1,2,3-Trichloropropane	U		1.02	2.50	5	06/10/2024 09:38	WG2301894
1,2,4-Trimethylbenzene	U		0.232	1.00	5	06/10/2024 09:38	WG2301894
1,2,3-Trimethylbenzene	U		0.230	1.00	5	06/10/2024 09:38	WG2301894
1,3,5-Trimethylbenzene	U		0.216	1.00	5	06/10/2024 09:38	WG2301894
Vinyl acetate	U		0.705	2.50	5	06/10/2024 09:38	WG2301894
Vinyl chloride	160		0.137	0.500	5	06/10/2024 09:38	WG2301894
Xylenes, Total	U		0.955	1.30	5	06/10/2024 09:38	WG2301894
(S) Toluene-d8	103			75.0-131		06/10/2024 09:38	WG2301894
(S) 4-Bromofluorobenzene	102			67.0-138		06/10/2024 09:38	WG2301894
(S) 1,2-Dichloroethane-d4	92.3			70.0-130		06/10/2024 09:38	WG2301894

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/18/24

ACCOUNT:

PES Environmental, Inc.- WA

PROJECT:

443022-1413001.10

SDG:

L1742408

DATE/TIME:

07/05/24 10:58

PAGE:

10 of 25

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	15600		594	5000	1	06/28/2024 03:23	WG2310843

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	5780		102	1000	1	06/19/2024 05:44	WG2307287

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	7540		28.1	100	1	07/03/2024 17:20	WG2308019
Manganese	1670		0.704	5.00	1	07/03/2024 17:20	WG2308019

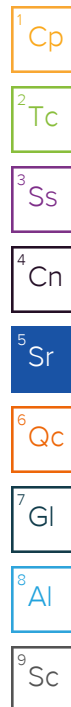
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	10200	J	2.87	6.78	10	06/06/2024 13:55	WG2300036
Ethane	116	J	0.296	1.29	1	06/06/2024 11:40	WG2297748
Ethene	85.9	J	0.422	1.27	1	06/06/2024 11:40	WG2297748

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		5.48	10.0	10	06/10/2024 09:58	WG2301894
Acrylonitrile	U		0.760	5.00	10	06/10/2024 09:58	WG2301894
Benzene	U		0.160	0.400	10	06/10/2024 09:58	WG2301894
Bromobenzene	U		0.420	5.00	10	06/10/2024 09:58	WG2301894
Bromochloromethane	U		0.452	2.00	10	06/10/2024 09:58	WG2301894
Bromodichloromethane	U		0.315	1.00	10	06/10/2024 09:58	WG2301894
Bromoform	U		2.39	10.0	10	06/10/2024 09:58	WG2301894
Bromomethane	U	UJ C3	1.48	5.00	10	06/10/2024 09:58	WG2301894
n-Butylbenzene	U		1.53	5.00	10	06/10/2024 09:58	WG2301894
sec-Butylbenzene	U		1.01	5.00	10	06/10/2024 09:58	WG2301894
tert-Butylbenzene	U		0.620	2.00	10	06/10/2024 09:58	WG2301894
Carbon disulfide	U		1.62	5.00	10	06/10/2024 09:58	WG2301894
Carbon tetrachloride	U		0.432	2.00	10	06/10/2024 09:58	WG2301894
Chlorobenzene	U		0.229	1.00	10	06/10/2024 09:58	WG2301894
Chlorodibromomethane	U		0.180	1.00	10	06/10/2024 09:58	WG2301894
Chloroethane	U		0.432	2.00	10	06/10/2024 09:58	WG2301894
Chloroform	U		0.166	1.00	10	06/10/2024 09:58	WG2301894
Chloromethane	U		0.556	5.00	10	06/10/2024 09:58	WG2301894
2-Chlorotoluene	U		0.368	1.00	10	06/10/2024 09:58	WG2301894
4-Chlorotoluene	U		0.452	2.00	10	06/10/2024 09:58	WG2301894
1,2-Dibromo-3-Chloropropane	U	UJ C3	2.04	10.0	10	06/10/2024 09:58	WG2301894
1,2-Dibromoethane	U		0.210	1.00	10	06/10/2024 09:58	WG2301894
Dibromomethane	U		0.400	2.00	10	06/10/2024 09:58	WG2301894
1,2-Dichlorobenzene	U		0.580	2.00	10	06/10/2024 09:58	WG2301894
1,3-Dichlorobenzene	U		0.680	2.00	10	06/10/2024 09:58	WG2301894
1,4-Dichlorobenzene	U		0.788	2.00	10	06/10/2024 09:58	WG2301894
trans-1,4-Dichloro-2-butene	U	UJ C3	0.560	2.00	10	06/10/2024 09:58	WG2301894
Dichlorodifluoromethane	U		0.327	2.00	10	06/10/2024 09:58	WG2301894
1,1-Dichloroethane	U		0.230	1.00	10	06/10/2024 09:58	WG2301894
1,2-Dichloroethane	U		0.190	1.00	10	06/10/2024 09:58	WG2301894
1,1-Dichloroethene	U		0.200	1.00	10	06/10/2024 09:58	WG2301894

JC 7/18/24



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	38.8		0.276	1.00	10	06/10/2024 09:58	WG2301894
trans-1,2-Dichloroethene	1.16	U	0.572	2.00	10	06/10/2024 09:58	WG2301894
1,2-Dichloropropane	U		0.508	2.00	10	06/10/2024 09:58	WG2301894
1,1-Dichloropropene	U		0.280	1.00	10	06/10/2024 09:58	WG2301894
1,3-Dichloropropane	U		0.700	2.00	10	06/10/2024 09:58	WG2301894
cis-1,3-Dichloropropene	U		0.271	1.00	10	06/10/2024 09:58	WG2301894
trans-1,3-Dichloropropene	U		0.612	2.00	10	06/10/2024 09:58	WG2301894
2,2-Dichloropropane	U		0.317	1.00	10	06/10/2024 09:58	WG2301894
Di-isopropyl ether	U		0.140	0.400	10	06/10/2024 09:58	WG2301894
Ethylbenzene	U		0.212	1.00	10	06/10/2024 09:58	WG2301894
Hexachloro-1,3-butadiene	U		5.08	10.0	10	06/10/2024 09:58	WG2301894
2-Hexanone	U		4.00	10.0	10	06/10/2024 09:58	WG2301894
n-Hexane	U		0.424	2.00	10	06/10/2024 09:58	WG2301894
Iodomethane	U		2.42	5.00	10	06/10/2024 09:58	WG2301894
Isopropylbenzene	U		0.345	1.00	10	06/10/2024 09:58	WG2301894
p-Isopropyltoluene	U		0.932	2.00	10	06/10/2024 09:58	WG2301894
2-Butanone (MEK)	U		5.00	10.0	10	06/10/2024 09:58	WG2301894
Methylene Chloride	U		2.65	10.0	10	06/10/2024 09:58	WG2301894
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	06/10/2024 09:58	WG2301894
Methyl tert-butyl ether	U		0.118	0.400	10	06/10/2024 09:58	WG2301894
Naphthalene	U		1.24	5.00	10	06/10/2024 09:58	WG2301894
n-Propylbenzene	U		0.472	2.00	10	06/10/2024 09:58	WG2301894
Styrene	U		1.09	5.00	10	06/10/2024 09:58	WG2301894
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	06/10/2024 09:58	WG2301894
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	06/10/2024 09:58	WG2301894
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	06/10/2024 09:58	WG2301894
Tetrachloroethene	U		0.280	1.00	10	06/10/2024 09:58	WG2301894
Toluene	U		0.500	2.00	10	06/10/2024 09:58	WG2301894
1,2,3-Trichlorobenzene	U		0.250	5.00	10	06/10/2024 09:58	WG2301894
1,2,4-Trichlorobenzene	U		1.93	5.00	10	06/10/2024 09:58	WG2301894
1,1,1-Trichloroethane	U		0.110	1.00	10	06/10/2024 09:58	WG2301894
1,1,2-Trichloroethane	U		0.353	1.00	10	06/10/2024 09:58	WG2301894
Trichloroethene	0.510		0.160	0.400	10	06/10/2024 09:58	WG2301894
Trichlorofluoromethane	U		0.200	1.00	10	06/10/2024 09:58	WG2301894
1,2,3-Trichloropropane	U		2.04	5.00	10	06/10/2024 09:58	WG2301894
1,2,4-Trimethylbenzene	U		0.464	2.00	10	06/10/2024 09:58	WG2301894
1,2,3-Trimethylbenzene	U		0.460	2.00	10	06/10/2024 09:58	WG2301894
1,3,5-Trimethylbenzene	U		0.432	2.00	10	06/10/2024 09:58	WG2301894
Vinyl acetate	U		1.41	5.00	10	06/10/2024 09:58	WG2301894
Vinyl chloride	149		0.273	1.00	10	06/10/2024 09:58	WG2301894
Xylenes, Total	U		1.91	2.60	10	06/10/2024 09:58	WG2301894
(S) Toluene-d8	101			75.0-131		06/10/2024 09:58	WG2301894
(S) 4-Bromofluorobenzene	98.8			67.0-138		06/10/2024 09:58	WG2301894
(S) 1,2-Dichloroethane-d4	89.4			70.0-130		06/10/2024 09:58	WG2301894

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/18/24

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.10	U	0.548	1.00	1	06/10/2024 05:43	WG2301894
Acrylonitrile	U		0.0760	0.500	1	06/10/2024 05:43	WG2301894
Benzene	U		0.0160	0.0400	1	06/10/2024 05:43	WG2301894
Bromobenzene	U		0.0420	0.500	1	06/10/2024 05:43	WG2301894
Bromochloromethane	U		0.0452	0.200	1	06/10/2024 05:43	WG2301894
Bromodichloromethane	U		0.0315	0.100	1	06/10/2024 05:43	WG2301894
Bromoform	U		0.239	1.00	1	06/10/2024 05:43	WG2301894
Bromomethane	U	UJ C3	0.148	0.500	1	06/10/2024 05:43	WG2301894
n-Butylbenzene	U		0.153	0.500	1	06/10/2024 05:43	WG2301894
sec-Butylbenzene	U		0.101	0.500	1	06/10/2024 05:43	WG2301894
tert-Butylbenzene	U		0.0620	0.200	1	06/10/2024 05:43	WG2301894
Carbon disulfide	U		0.162	0.500	1	06/10/2024 05:43	WG2301894
Carbon tetrachloride	U		0.0432	0.200	1	06/10/2024 05:43	WG2301894
Chlorobenzene	U		0.0229	0.100	1	06/10/2024 05:43	WG2301894
Chlorodibromomethane	U		0.0180	0.100	1	06/10/2024 05:43	WG2301894
Chloroethane	U		0.0432	0.200	1	06/10/2024 05:43	WG2301894
Chloroform	U		0.0166	0.100	1	06/10/2024 05:43	WG2301894
Chloromethane	U		0.0556	0.500	1	06/10/2024 05:43	WG2301894
2-Chlorotoluene	U		0.0368	0.100	1	06/10/2024 05:43	WG2301894
4-Chlorotoluene	U		0.0452	0.200	1	06/10/2024 05:43	WG2301894
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/10/2024 05:43	WG2301894
1,2-Dibromoethane	U		0.0210	0.100	1	06/10/2024 05:43	WG2301894
Dibromomethane	U		0.0400	0.200	1	06/10/2024 05:43	WG2301894
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/10/2024 05:43	WG2301894
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/10/2024 05:43	WG2301894
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/10/2024 05:43	WG2301894
trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	06/10/2024 05:43	WG2301894
Dichlorodifluoromethane	U		0.0327	0.200	1	06/10/2024 05:43	WG2301894
1,1-Dichloroethane	U		0.0230	0.100	1	06/10/2024 05:43	WG2301894
1,2-Dichloroethane	U		0.0190	0.100	1	06/10/2024 05:43	WG2301894
1,1-Dichloroethene	U		0.0200	0.100	1	06/10/2024 05:43	WG2301894
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/10/2024 05:43	WG2301894
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/10/2024 05:43	WG2301894
1,2-Dichloropropane	U		0.0508	0.200	1	06/10/2024 05:43	WG2301894
1,1-Dichloropropene	U		0.0280	0.100	1	06/10/2024 05:43	WG2301894
1,3-Dichloropropane	U		0.0700	0.200	1	06/10/2024 05:43	WG2301894
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/10/2024 05:43	WG2301894
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/10/2024 05:43	WG2301894
2,2-Dichloropropane	U		0.0317	0.100	1	06/10/2024 05:43	WG2301894
Di-isopropyl ether	U		0.0140	0.0400	1	06/10/2024 05:43	WG2301894
Ethylbenzene	U		0.0212	0.100	1	06/10/2024 05:43	WG2301894
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/10/2024 05:43	WG2301894
2-Hexanone	U		0.400	1.00	1	06/10/2024 05:43	WG2301894
n-Hexane	U		0.0424	0.200	1	06/10/2024 05:43	WG2301894
Iodomethane	U		0.242	0.500	1	06/10/2024 05:43	WG2301894
Isopropylbenzene	U		0.0345	0.100	1	06/10/2024 05:43	WG2301894
p-Isopropyltoluene	U		0.0932	0.200	1	06/10/2024 05:43	WG2301894
2-Butanone (MEK)	U		0.500	1.00	1	06/10/2024 05:43	WG2301894
Methylene Chloride	U		0.265	1.00	1	06/10/2024 05:43	WG2301894
4-Methyl-2-pentanone (MIBK)	2.72		0.400	1.00	1	06/10/2024 05:43	WG2301894
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/10/2024 05:43	WG2301894
Naphthalene	U		0.124	0.500	1	06/10/2024 05:43	WG2301894
n-Propylbenzene	U		0.0472	0.200	1	06/10/2024 05:43	WG2301894
Styrene	U		0.109	0.500	1	06/10/2024 05:43	WG2301894
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/10/2024 05:43	WG2301894
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/10/2024 05:43	WG2301894

JC 7/18/24

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/10/2024 05:43	WG2301894
Tetrachloroethene	U		0.0280	0.100	1	06/10/2024 05:43	WG2301894
Toluene	U		0.0500	0.200	1	06/10/2024 05:43	WG2301894
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/10/2024 05:43	WG2301894
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/10/2024 05:43	WG2301894
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/10/2024 05:43	WG2301894
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/10/2024 05:43	WG2301894
Trichloroethene	U		0.0160	0.0400	1	06/10/2024 05:43	WG2301894
Trichlorofluoromethane	U		0.0200	0.100	1	06/10/2024 05:43	WG2301894
1,2,3-Trichloropropane	U		0.204	0.500	1	06/10/2024 05:43	WG2301894
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/10/2024 05:43	WG2301894
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/10/2024 05:43	WG2301894
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/10/2024 05:43	WG2301894
Vinyl acetate	U		0.141	0.500	1	06/10/2024 05:43	WG2301894
Vinyl chloride	U		0.0273	0.100	1	06/10/2024 05:43	WG2301894
Xylenes, Total	U		0.191	0.260	1	06/10/2024 05:43	WG2301894
(S) Toluene-d8	101			75.0-131		06/10/2024 05:43	WG2301894
(S) 4-Bromofluorobenzene	102			67.0-138		06/10/2024 05:43	WG2301894
(S) 1,2-Dichloroethane-d4	92.4			70.0-130		06/10/2024 05:43	WG2301894

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/10/2024 06:03	WG2301894
Acrylonitrile	U		0.0760	0.500	1	06/10/2024 06:03	WG2301894
Benzene	U		0.0160	0.0400	1	06/10/2024 06:03	WG2301894
Bromobenzene	U		0.0420	0.500	1	06/10/2024 06:03	WG2301894
Bromochloromethane	U		0.0452	0.200	1	06/10/2024 06:03	WG2301894
Bromodichloromethane	U		0.0315	0.100	1	06/10/2024 06:03	WG2301894
Bromoform	U		0.239	1.00	1	06/10/2024 06:03	WG2301894
Bromomethane	U	UJ C3	0.148	0.500	1	06/10/2024 06:03	WG2301894
n-Butylbenzene	U		0.153	0.500	1	06/10/2024 06:03	WG2301894
sec-Butylbenzene	U		0.101	0.500	1	06/10/2024 06:03	WG2301894
tert-Butylbenzene	U		0.0620	0.200	1	06/10/2024 06:03	WG2301894
Carbon disulfide	U		0.162	0.500	1	06/10/2024 06:03	WG2301894
Carbon tetrachloride	U		0.0432	0.200	1	06/10/2024 06:03	WG2301894
Chlorobenzene	U		0.0229	0.100	1	06/10/2024 06:03	WG2301894
Chlorodibromomethane	U		0.0180	0.100	1	06/10/2024 06:03	WG2301894
Chloroethane	U		0.0432	0.200	1	06/10/2024 06:03	WG2301894
Chloroform	U		0.0166	0.100	1	06/10/2024 06:03	WG2301894
Chloromethane	U		0.0556	0.500	1	06/10/2024 06:03	WG2301894
2-Chlorotoluene	U		0.0368	0.100	1	06/10/2024 06:03	WG2301894
4-Chlorotoluene	U		0.0452	0.200	1	06/10/2024 06:03	WG2301894
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/10/2024 06:03	WG2301894
1,2-Dibromoethane	U		0.0210	0.100	1	06/10/2024 06:03	WG2301894
Dibromomethane	U		0.0400	0.200	1	06/10/2024 06:03	WG2301894
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/10/2024 06:03	WG2301894
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/10/2024 06:03	WG2301894
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/10/2024 06:03	WG2301894
trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	06/10/2024 06:03	WG2301894
Dichlorodifluoromethane	U		0.0327	0.200	1	06/10/2024 06:03	WG2301894
1,1-Dichloroethane	U		0.0230	0.100	1	06/10/2024 06:03	WG2301894
1,2-Dichloroethane	U		0.0190	0.100	1	06/10/2024 06:03	WG2301894
1,1-Dichloroethene	U		0.0200	0.100	1	06/10/2024 06:03	WG2301894
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/10/2024 06:03	WG2301894
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/10/2024 06:03	WG2301894
1,2-Dichloropropane	U		0.0508	0.200	1	06/10/2024 06:03	WG2301894
1,1-Dichloropropene	U		0.0280	0.100	1	06/10/2024 06:03	WG2301894
1,3-Dichloropropane	U		0.0700	0.200	1	06/10/2024 06:03	WG2301894
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/10/2024 06:03	WG2301894
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/10/2024 06:03	WG2301894
2,2-Dichloropropane	U		0.0317	0.100	1	06/10/2024 06:03	WG2301894
Di-isopropyl ether	U		0.0140	0.0400	1	06/10/2024 06:03	WG2301894
Ethylbenzene	0.0340	J	0.0212	0.100	1	06/10/2024 06:03	WG2301894
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/10/2024 06:03	WG2301894
2-Hexanone	U		0.400	1.00	1	06/10/2024 06:03	WG2301894
n-Hexane	U		0.0424	0.200	1	06/10/2024 06:03	WG2301894
Iodomethane	U		0.242	0.500	1	06/10/2024 06:03	WG2301894
Isopropylbenzene	U		0.0345	0.100	1	06/10/2024 06:03	WG2301894
p-Isopropyltoluene	U		0.0932	0.200	1	06/10/2024 06:03	WG2301894
2-Butanone (MEK)	U		0.500	1.00	1	06/10/2024 06:03	WG2301894
Methylene Chloride	U		0.265	1.00	1	06/10/2024 06:03	WG2301894
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/10/2024 06:03	WG2301894
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/10/2024 06:03	WG2301894
Naphthalene	U		0.124	0.500	1	06/10/2024 06:03	WG2301894
n-Propylbenzene	U		0.0472	0.200	1	06/10/2024 06:03	WG2301894
Styrene	U		0.109	0.500	1	06/10/2024 06:03	WG2301894
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/10/2024 06:03	WG2301894
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/10/2024 06:03	WG2301894

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/18/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/10/2024 06:03	WG2301894
Tetrachloroethene	U		0.0280	0.100	1	06/10/2024 06:03	WG2301894
Toluene	0.0830	U	0.0500	0.200	1	06/10/2024 06:03	WG2301894
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/10/2024 06:03	WG2301894
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/10/2024 06:03	WG2301894
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/10/2024 06:03	WG2301894
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/10/2024 06:03	WG2301894
Trichloroethene	U		0.0160	0.0400	1	06/10/2024 06:03	WG2301894
Trichlorofluoromethane	U		0.0200	0.100	1	06/10/2024 06:03	WG2301894
1,2,3-Trichloropropane	U		0.204	0.500	1	06/10/2024 06:03	WG2301894
1,2,4-Trimethylbenzene	0.0660	U	0.0464	0.200	1	06/10/2024 06:03	WG2301894
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/10/2024 06:03	WG2301894
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/10/2024 06:03	WG2301894
Vinyl acetate	U		0.141	0.500	1	06/10/2024 06:03	WG2301894
Vinyl chloride	U		0.0273	0.100	1	06/10/2024 06:03	WG2301894
Xylenes, Total	0.316		0.191	0.260	1	06/10/2024 06:03	WG2301894
(S) Toluene-d8	100			75.0-131		06/10/2024 06:03	WG2301894
(S) 4-Bromofluorobenzene	103			67.0-138		06/10/2024 06:03	WG2301894
(S) 1,2-Dichloroethane-d4	93.8			70.0-130		06/10/2024 06:03	WG2301894

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/18/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	U		594	5000	1	06/28/2024 04:27	WG2310843

¹ Cp

² Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	4720		102	1000	1	06/19/2024 21:57	WG2307289

³ Ss

⁴ Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	9220		28.1	100	1	07/03/2024 17:26	WG2308019
Manganese	1430		0.704	5.00	1	07/03/2024 17:26	WG2308019

⁵ Sr

⁶ Qc

⁷ Gl

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	19400		2.87	6.78	10	06/09/2024 18:38	WG2301834
Ethane	239		0.296	1.29	1	06/09/2024 11:59	WG2300079
Ethene	U		0.422	1.27	1	06/09/2024 11:59	WG2300079

⁸ Al

⁹ Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	5.27		0.548	1.00	1	06/10/2024 06:22	WG2301894
Acrylonitrile	U		0.0760	0.500	1	06/10/2024 06:22	WG2301894
Benzene	U		0.0160	0.0400	1	06/10/2024 06:22	WG2301894
Bromobenzene	U		0.0420	0.500	1	06/10/2024 06:22	WG2301894
Bromochloromethane	U		0.0452	0.200	1	06/10/2024 06:22	WG2301894
Bromodichloromethane	U		0.0315	0.100	1	06/10/2024 06:22	WG2301894
Bromoform	U		0.239	1.00	1	06/10/2024 06:22	WG2301894
Bromomethane	U	UJ C3	0.148	0.500	1	06/10/2024 06:22	WG2301894
n-Butylbenzene	U		0.153	0.500	1	06/10/2024 06:22	WG2301894
sec-Butylbenzene	U		0.101	0.500	1	06/10/2024 06:22	WG2301894
tert-Butylbenzene	U		0.0620	0.200	1	06/10/2024 06:22	WG2301894
Carbon disulfide	U		0.162	0.500	1	06/10/2024 06:22	WG2301894
Carbon tetrachloride	U		0.0432	0.200	1	06/10/2024 06:22	WG2301894
Chlorobenzene	U		0.0229	0.100	1	06/10/2024 06:22	WG2301894
Chlorodibromomethane	U		0.0180	0.100	1	06/10/2024 06:22	WG2301894
Chloroethane	U		0.0432	0.200	1	06/10/2024 06:22	WG2301894
Chloroform	U		0.0166	0.100	1	06/10/2024 06:22	WG2301894
Chloromethane	U		0.0556	0.500	1	06/10/2024 06:22	WG2301894
2-Chlorotoluene	U		0.0368	0.100	1	06/10/2024 06:22	WG2301894
4-Chlorotoluene	U		0.0452	0.200	1	06/10/2024 06:22	WG2301894
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/10/2024 06:22	WG2301894
1,2-Dibromoethane	U		0.0210	0.100	1	06/10/2024 06:22	WG2301894
Dibromomethane	U		0.0400	0.200	1	06/10/2024 06:22	WG2301894
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/10/2024 06:22	WG2301894
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/10/2024 06:22	WG2301894
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/10/2024 06:22	WG2301894
trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	06/10/2024 06:22	WG2301894
Dichlorodifluoromethane	U		0.0327	0.200	1	06/10/2024 06:22	WG2301894
1,1-Dichloroethane	U		0.0230	0.100	1	06/10/2024 06:22	WG2301894
1,2-Dichloroethane	0.191		0.0190	0.100	1	06/10/2024 06:22	WG2301894
1,1-Dichloroethene	U		0.0200	0.100	1	06/10/2024 06:22	WG2301894

JC 7/18/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	5.99		0.0276	0.100	1	06/10/2024 06:22	WG2301894
trans-1,2-Dichloroethene	1.79		0.0572	0.200	1	06/10/2024 06:22	WG2301894
1,2-Dichloropropane	U		0.0508	0.200	1	06/10/2024 06:22	WG2301894
1,1-Dichloropropene	U		0.0280	0.100	1	06/10/2024 06:22	WG2301894
1,3-Dichloropropane	U		0.0700	0.200	1	06/10/2024 06:22	WG2301894
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/10/2024 06:22	WG2301894
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/10/2024 06:22	WG2301894
2,2-Dichloropropane	U		0.0317	0.100	1	06/10/2024 06:22	WG2301894
Di-isopropyl ether	0.0540		0.0140	0.0400	1	06/10/2024 06:22	WG2301894
Ethylbenzene	U		0.0212	0.100	1	06/10/2024 06:22	WG2301894
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/10/2024 06:22	WG2301894
2-Hexanone	U		0.400	1.00	1	06/10/2024 06:22	WG2301894
n-Hexane	U		0.0424	0.200	1	06/10/2024 06:22	WG2301894
Iodomethane	U		0.242	0.500	1	06/10/2024 06:22	WG2301894
Isopropylbenzene	U		0.0345	0.100	1	06/10/2024 06:22	WG2301894
p-Isopropyltoluene	U		0.0932	0.200	1	06/10/2024 06:22	WG2301894
2-Butanone (MEK)	U		0.500	1.00	1	06/10/2024 06:22	WG2301894
Methylene Chloride	0.284	U	0.265	1.00	1	06/10/2024 06:22	WG2301894
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/10/2024 06:22	WG2301894
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/10/2024 06:22	WG2301894
Naphthalene	U		0.124	0.500	1	06/10/2024 06:22	WG2301894
n-Propylbenzene	U		0.0472	0.200	1	06/10/2024 06:22	WG2301894
Styrene	U		0.109	0.500	1	06/10/2024 06:22	WG2301894
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/10/2024 06:22	WG2301894
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/10/2024 06:22	WG2301894
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/10/2024 06:22	WG2301894
Tetrachloroethene	U		0.0280	0.100	1	06/10/2024 06:22	WG2301894
Toluene	0.0520	U	0.0500	0.200	1	06/10/2024 06:22	WG2301894
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/10/2024 06:22	WG2301894
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/10/2024 06:22	WG2301894
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/10/2024 06:22	WG2301894
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/10/2024 06:22	WG2301894
Trichloroethene	0.162		0.0160	0.0400	1	06/10/2024 06:22	WG2301894
Trichlorofluoromethane	U		0.0200	0.100	1	06/10/2024 06:22	WG2301894
1,2,3-Trichloropropane	U		0.204	0.500	1	06/10/2024 06:22	WG2301894
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/10/2024 06:22	WG2301894
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/10/2024 06:22	WG2301894
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/10/2024 06:22	WG2301894
Vinyl acetate	U		0.141	0.500	1	06/10/2024 06:22	WG2301894
Vinyl chloride	3.55		0.0273	0.100	1	06/10/2024 06:22	WG2301894
Xylenes, Total	U		0.191	0.260	1	06/10/2024 06:22	WG2301894
(S) Toluene-d8	99.3			75.0-131		06/10/2024 06:22	WG2301894
(S) 4-Bromofluorobenzene	101			67.0-138		06/10/2024 06:22	WG2301894
(S) 1,2-Dichloroethane-d4	94.3			70.0-130		06/10/2024 06:22	WG2301894



JC 7/18/24

Wet Chemistry by Method 9056A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Sulfate	15300		594	5000	1	06/28/2024 04:43	WG2310843

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Wet Chemistry by Method 9060A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1810		102	1000	1	06/19/2024 22:11	WG2307289

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iron	205		28.1	100	1	07/03/2024 17:30	WG2308019
Manganese	89.1		0.704	5.00	1	07/03/2024 17:30	WG2308019

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methane	8170		2.87	6.78	10	06/09/2024 18:41	WG2301834
Ethane	99.1		0.296	1.29	1	06/09/2024 12:05	WG2300079
Ethene	71.0		0.422	1.27	1	06/09/2024 12:05	WG2300079

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	52.2		0.548	1.00	1	06/10/2024 06:42	WG2301894
Acrylonitrile	U		0.0760	0.500	1	06/10/2024 06:42	WG2301894
Benzene	0.0280	J	0.0160	0.0400	1	06/10/2024 06:42	WG2301894
Bromobenzene	U		0.0420	0.500	1	06/10/2024 06:42	WG2301894
Bromochloromethane	U		0.0452	0.200	1	06/10/2024 06:42	WG2301894
Bromodichloromethane	U		0.0315	0.100	1	06/10/2024 06:42	WG2301894
Bromoform	U		0.239	1.00	1	06/10/2024 06:42	WG2301894
Bromomethane	U	UJ C3	0.148	0.500	1	06/10/2024 06:42	WG2301894
n-Butylbenzene	U		0.153	0.500	1	06/10/2024 06:42	WG2301894
sec-Butylbenzene	U		0.101	0.500	1	06/10/2024 06:42	WG2301894
tert-Butylbenzene	U		0.0620	0.200	1	06/10/2024 06:42	WG2301894
Carbon disulfide	0.476	J	0.162	0.500	1	06/10/2024 06:42	WG2301894
Carbon tetrachloride	U		0.0432	0.200	1	06/10/2024 06:42	WG2301894
Chlorobenzene	U		0.0229	0.100	1	06/10/2024 06:42	WG2301894
Chlorodibromomethane	U		0.0180	0.100	1	06/10/2024 06:42	WG2301894
Chloroethane	U		0.0432	0.200	1	06/10/2024 06:42	WG2301894
Chloroform	U		0.0166	0.100	1	06/10/2024 06:42	WG2301894
Chloromethane	U		0.0556	0.500	1	06/10/2024 06:42	WG2301894
2-Chlorotoluene	U		0.0368	0.100	1	06/10/2024 06:42	WG2301894
4-Chlorotoluene	U		0.0452	0.200	1	06/10/2024 06:42	WG2301894
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/10/2024 06:42	WG2301894
1,2-Dibromoethane	U		0.0210	0.100	1	06/10/2024 06:42	WG2301894
Dibromomethane	U		0.0400	0.200	1	06/10/2024 06:42	WG2301894
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/10/2024 06:42	WG2301894
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/10/2024 06:42	WG2301894
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/10/2024 06:42	WG2301894
trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	06/10/2024 06:42	WG2301894
Dichlorodifluoromethane	U		0.0327	0.200	1	06/10/2024 06:42	WG2301894
1,1-Dichloroethane	U		0.0230	0.100	1	06/10/2024 06:42	WG2301894
1,2-Dichloroethane	U		0.0190	0.100	1	06/10/2024 06:42	WG2301894
1,1-Dichloroethene	U		0.0200	0.100	1	06/10/2024 06:42	WG2301894

JC 7/18/24

MW-347-052924

SAMPLE RESULTS - 02

Collected date/time: 05/29/24 10:50

L1742410

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	3.46		0.0276	0.100	1	06/10/2024 06:42	WG2301894
trans-1,2-Dichloroethene	0.0630	<u>J</u>	0.0572	0.200	1	06/10/2024 06:42	WG2301894
1,2-Dichloropropane	U		0.0508	0.200	1	06/10/2024 06:42	WG2301894
1,1-Dichloropropene	U		0.0280	0.100	1	06/10/2024 06:42	WG2301894
1,3-Dichloropropane	U		0.0700	0.200	1	06/10/2024 06:42	WG2301894
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/10/2024 06:42	WG2301894
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/10/2024 06:42	WG2301894
2,2-Dichloropropane	U		0.0317	0.100	1	06/10/2024 06:42	WG2301894
Di-isopropyl ether	U		0.0140	0.0400	1	06/10/2024 06:42	WG2301894
Ethylbenzene	U		0.0212	0.100	1	06/10/2024 06:42	WG2301894
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/10/2024 06:42	WG2301894
2-Hexanone	U		0.400	1.00	1	06/10/2024 06:42	WG2301894
n-Hexane	U		0.0424	0.200	1	06/10/2024 06:42	WG2301894
Iodomethane	U		0.242	0.500	1	06/10/2024 06:42	WG2301894
Isopropylbenzene	U		0.0345	0.100	1	06/10/2024 06:42	WG2301894
p-Isopropyltoluene	U		0.0932	0.200	1	06/10/2024 06:42	WG2301894
2-Butanone (MEK)	U		0.500	1.00	1	06/10/2024 06:42	WG2301894
Methylene Chloride	U		0.265	1.00	1	06/10/2024 06:42	WG2301894
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/10/2024 06:42	WG2301894
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/10/2024 06:42	WG2301894
Naphthalene	U		0.124	0.500	1	06/10/2024 06:42	WG2301894
n-Propylbenzene	U		0.0472	0.200	1	06/10/2024 06:42	WG2301894
Styrene	U		0.109	0.500	1	06/10/2024 06:42	WG2301894
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/10/2024 06:42	WG2301894
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/10/2024 06:42	WG2301894
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/10/2024 06:42	WG2301894
Tetrachloroethene	0.143	J+ <u>C5</u>	0.0280	0.100	1	06/10/2024 06:42	WG2301894
Toluene	U		0.0500	0.200	1	06/10/2024 06:42	WG2301894
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/10/2024 06:42	WG2301894
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/10/2024 06:42	WG2301894
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/10/2024 06:42	WG2301894
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/10/2024 06:42	WG2301894
Trichloroethene	0.476		0.0160	0.0400	1	06/10/2024 06:42	WG2301894
Trichlorofluoromethane	U		0.0200	0.100	1	06/10/2024 06:42	WG2301894
1,2,3-Trichloropropane	U		0.204	0.500	1	06/10/2024 06:42	WG2301894
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/10/2024 06:42	WG2301894
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/10/2024 06:42	WG2301894
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/10/2024 06:42	WG2301894
Vinyl acetate	U		0.141	0.500	1	06/10/2024 06:42	WG2301894
Vinyl chloride	10.7		0.0273	0.100	1	06/10/2024 06:42	WG2301894
Xylenes, Total	U		0.191	0.260	1	06/10/2024 06:42	WG2301894
(S) Toluene-d8	100			75.0-131		06/10/2024 06:42	WG2301894
(S) 4-Bromofluorobenzene	102			67.0-138		06/10/2024 06:42	WG2301894
(S) 1,2-Dichloroethane-d4	94.0			70.0-130		06/10/2024 06:42	WG2301894

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/18/24

ACCOUNT:

PES Environmental, Inc.- WA

PROJECT:

443022-1413001.10

SDG:

L1742410

DATE/TIME:

07/05/24 11:29

PAGE:

8 of 24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	1980	J	594	5000	1	06/28/2024 04:59	WG2310843

1Cp

2Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	462	J	102	1000	1	06/19/2024 22:24	WG2307289

3Ss

4Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	685		28.1	100	1	07/03/2024 17:33	WG2308019
Manganese	38.0		0.704	5.00	1	07/03/2024 17:33	WG2308019

5Sr

6Qc

7Gl

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	U		0.287	0.678	1	06/09/2024 12:12	WG2300079
Ethane	U		0.296	1.29	1	06/09/2024 12:12	WG2300079
Ethene	U		0.422	1.27	1	06/09/2024 12:12	WG2300079

8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	06/10/2024 07:01	WG2301894
Acrylonitrile	U		0.0760	0.500	1	06/10/2024 07:01	WG2301894
Benzene	U		0.0160	0.0400	1	06/10/2024 07:01	WG2301894
Bromobenzene	U		0.0420	0.500	1	06/10/2024 07:01	WG2301894
Bromochloromethane	U		0.0452	0.200	1	06/10/2024 07:01	WG2301894
Bromodichloromethane	U		0.0315	0.100	1	06/10/2024 07:01	WG2301894
Bromoform	U		0.239	1.00	1	06/10/2024 07:01	WG2301894
Bromomethane	U	UJ C3	0.148	0.500	1	06/10/2024 07:01	WG2301894
n-Butylbenzene	U		0.153	0.500	1	06/10/2024 07:01	WG2301894
sec-Butylbenzene	U		0.101	0.500	1	06/10/2024 07:01	WG2301894
tert-Butylbenzene	U		0.0620	0.200	1	06/10/2024 07:01	WG2301894
Carbon disulfide	U		0.162	0.500	1	06/10/2024 07:01	WG2301894
Carbon tetrachloride	U		0.0432	0.200	1	06/10/2024 07:01	WG2301894
Chlorobenzene	U		0.0229	0.100	1	06/10/2024 07:01	WG2301894
Chlorodibromomethane	U		0.0180	0.100	1	06/10/2024 07:01	WG2301894
Chloroethane	U		0.0432	0.200	1	06/10/2024 07:01	WG2301894
Chloroform	U		0.0166	0.100	1	06/10/2024 07:01	WG2301894
Chloromethane	U		0.0556	0.500	1	06/10/2024 07:01	WG2301894
2-Chlorotoluene	U		0.0368	0.100	1	06/10/2024 07:01	WG2301894
4-Chlorotoluene	U		0.0452	0.200	1	06/10/2024 07:01	WG2301894
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/10/2024 07:01	WG2301894
1,2-Dibromoethane	U		0.0210	0.100	1	06/10/2024 07:01	WG2301894
Dibromomethane	U		0.0400	0.200	1	06/10/2024 07:01	WG2301894
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/10/2024 07:01	WG2301894
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/10/2024 07:01	WG2301894
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/10/2024 07:01	WG2301894
trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	06/10/2024 07:01	WG2301894
Dichlorodifluoromethane	U		0.0327	0.200	1	06/10/2024 07:01	WG2301894
1,1-Dichloroethane	U		0.0230	0.100	1	06/10/2024 07:01	WG2301894
1,2-Dichloroethane	U		0.0190	0.100	1	06/10/2024 07:01	WG2301894
1,1-Dichloroethene	U		0.0200	0.100	1	06/10/2024 07:01	WG2301894

JC 7/18/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/10/2024 07:01	WG2301894
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/10/2024 07:01	WG2301894
1,2-Dichloropropane	U		0.0508	0.200	1	06/10/2024 07:01	WG2301894
1,1-Dichloropropene	U		0.0280	0.100	1	06/10/2024 07:01	WG2301894
1,3-Dichloropropane	U		0.0700	0.200	1	06/10/2024 07:01	WG2301894
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/10/2024 07:01	WG2301894
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/10/2024 07:01	WG2301894
2,2-Dichloropropane	U		0.0317	0.100	1	06/10/2024 07:01	WG2301894
Di-isopropyl ether	U		0.0140	0.0400	1	06/10/2024 07:01	WG2301894
Ethylbenzene	U		0.0212	0.100	1	06/10/2024 07:01	WG2301894
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/10/2024 07:01	WG2301894
2-Hexanone	U		0.400	1.00	1	06/10/2024 07:01	WG2301894
n-Hexane	U		0.0424	0.200	1	06/10/2024 07:01	WG2301894
Iodomethane	U		0.242	0.500	1	06/10/2024 07:01	WG2301894
Isopropylbenzene	U		0.0345	0.100	1	06/10/2024 07:01	WG2301894
p-Isopropyltoluene	U		0.0932	0.200	1	06/10/2024 07:01	WG2301894
2-Butanone (MEK)	U		0.500	1.00	1	06/10/2024 07:01	WG2301894
Methylene Chloride	U		0.265	1.00	1	06/10/2024 07:01	WG2301894
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/10/2024 07:01	WG2301894
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/10/2024 07:01	WG2301894
Naphthalene	U		0.124	0.500	1	06/10/2024 07:01	WG2301894
n-Propylbenzene	U		0.0472	0.200	1	06/10/2024 07:01	WG2301894
Styrene	U		0.109	0.500	1	06/10/2024 07:01	WG2301894
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/10/2024 07:01	WG2301894
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/10/2024 07:01	WG2301894
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/10/2024 07:01	WG2301894
Tetrachloroethene	U		0.0280	0.100	1	06/10/2024 07:01	WG2301894
Toluene	U		0.0500	0.200	1	06/10/2024 07:01	WG2301894
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/10/2024 07:01	WG2301894
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/10/2024 07:01	WG2301894
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/10/2024 07:01	WG2301894
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/10/2024 07:01	WG2301894
Trichloroethene	U		0.0160	0.0400	1	06/10/2024 07:01	WG2301894
Trichlorofluoromethane	U		0.0200	0.100	1	06/10/2024 07:01	WG2301894
1,2,3-Trichloropropane	U		0.204	0.500	1	06/10/2024 07:01	WG2301894
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/10/2024 07:01	WG2301894
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/10/2024 07:01	WG2301894
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/10/2024 07:01	WG2301894
Vinyl acetate	U		0.141	0.500	1	06/10/2024 07:01	WG2301894
Vinyl chloride	U		0.0273	0.100	1	06/10/2024 07:01	WG2301894
Xylenes, Total	U		0.191	0.260	1	06/10/2024 07:01	WG2301894
(S) Toluene-d8	98.6			75.0-131		06/10/2024 07:01	WG2301894
(S) 4-Bromofluorobenzene	103			67.0-138		06/10/2024 07:01	WG2301894
(S) 1,2-Dichloroethane-d4	95.1			70.0-130		06/10/2024 07:01	WG2301894

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

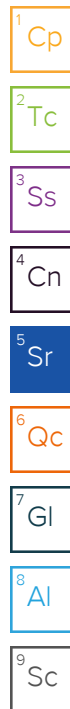
9 Sc

JC 7/18/24

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	5.18		0.548	1.00	1	06/11/2024 06:51	WG2302417
Acrylonitrile	U		0.0760	0.500	1	06/11/2024 06:51	WG2302417
Benzene	U		0.0160	0.0400	1	06/11/2024 06:51	WG2302417
Bromobenzene	U		0.0420	0.500	1	06/11/2024 06:51	WG2302417
Bromochloromethane	U		0.0452	0.200	1	06/11/2024 06:51	WG2302417
Bromodichloromethane	U		0.0315	0.100	1	06/11/2024 06:51	WG2302417
Bromoform	U		0.239	1.00	1	06/11/2024 06:51	WG2302417
Bromomethane	U		0.148	0.500	1	06/11/2024 06:51	WG2302417
n-Butylbenzene	U		0.153	0.500	1	06/11/2024 06:51	WG2302417
sec-Butylbenzene	U		0.101	0.500	1	06/11/2024 06:51	WG2302417
tert-Butylbenzene	U		0.0620	0.200	1	06/11/2024 06:51	WG2302417
Carbon disulfide	U		0.162	0.500	1	06/11/2024 06:51	WG2302417
Carbon tetrachloride	U		0.0432	0.200	1	06/11/2024 06:51	WG2302417
Chlorobenzene	U		0.0229	0.100	1	06/11/2024 06:51	WG2302417
Chlorodibromomethane	U		0.0180	0.100	1	06/11/2024 06:51	WG2302417
Chloroethane	0.376		0.0432	0.200	1	06/11/2024 06:51	WG2302417
Chloroform	U		0.0166	0.100	1	06/11/2024 06:51	WG2302417
Chloromethane	U		0.0556	0.500	1	06/11/2024 06:51	WG2302417
2-Chlorotoluene	U		0.0368	0.100	1	06/11/2024 06:51	WG2302417
4-Chlorotoluene	U		0.0452	0.200	1	06/11/2024 06:51	WG2302417
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/11/2024 06:51	WG2302417
1,2-Dibromoethane	U		0.0210	0.100	1	06/11/2024 06:51	WG2302417
Dibromomethane	U		0.0400	0.200	1	06/11/2024 06:51	WG2302417
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/11/2024 06:51	WG2302417
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/11/2024 06:51	WG2302417
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/11/2024 06:51	WG2302417
trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	06/11/2024 06:51	WG2302417
Dichlorodifluoromethane	U		0.0327	0.200	1	06/11/2024 06:51	WG2302417
1,1-Dichloroethane	U		0.0230	0.100	1	06/11/2024 06:51	WG2302417
1,2-Dichloroethane	U		0.0190	0.100	1	06/11/2024 06:51	WG2302417
1,1-Dichloroethene	U		0.0200	0.100	1	06/11/2024 06:51	WG2302417
cis-1,2-Dichloroethene	7.62		0.0276	0.100	1	06/11/2024 06:51	WG2302417
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/11/2024 06:51	WG2302417
1,2-Dichloropropane	U		0.0508	0.200	1	06/11/2024 06:51	WG2302417
1,1-Dichloropropene	U		0.0280	0.100	1	06/11/2024 06:51	WG2302417
1,3-Dichloropropane	U		0.0700	0.200	1	06/11/2024 06:51	WG2302417
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/11/2024 06:51	WG2302417
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/11/2024 06:51	WG2302417
2,2-Dichloropropane	U		0.0317	0.100	1	06/11/2024 06:51	WG2302417
Di-isopropyl ether	U		0.0140	0.0400	1	06/11/2024 06:51	WG2302417
Ethylbenzene	U		0.0212	0.100	1	06/11/2024 06:51	WG2302417
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/11/2024 06:51	WG2302417
2-Hexanone	U		0.400	1.00	1	06/11/2024 06:51	WG2302417
n-Hexane	U		0.0424	0.200	1	06/11/2024 06:51	WG2302417
Iodomethane	U		0.242	0.500	1	06/11/2024 06:51	WG2302417
Isopropylbenzene	U		0.0345	0.100	1	06/11/2024 06:51	WG2302417
p-Isopropyltoluene	U		0.0932	0.200	1	06/11/2024 06:51	WG2302417
2-Butanone (MEK)	U		0.500	1.00	1	06/11/2024 06:51	WG2302417
Methylene Chloride	U		0.265	1.00	1	06/11/2024 06:51	WG2302417
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/11/2024 06:51	WG2302417
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/11/2024 06:51	WG2302417
Naphthalene	U		0.124	0.500	1	06/11/2024 06:51	WG2302417
n-Propylbenzene	U		0.0472	0.200	1	06/11/2024 06:51	WG2302417
Styrene	U		0.109	0.500	1	06/11/2024 06:51	WG2302417
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/11/2024 06:51	WG2302417
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/11/2024 06:51	WG2302417

JC 7/18/24



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/11/2024 06:51	WG2302417
Tetrachloroethene	51.6		0.0280	0.100	1	06/11/2024 06:51	WG2302417
Toluene	U		0.0500	0.200	1	06/11/2024 06:51	WG2302417
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/11/2024 06:51	WG2302417
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/11/2024 06:51	WG2302417
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/11/2024 06:51	WG2302417
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/11/2024 06:51	WG2302417
Trichloroethene	5.58		0.0160	0.0400	1	06/11/2024 06:51	WG2302417
Trichlorofluoromethane	U		0.0200	0.100	1	06/11/2024 06:51	WG2302417
1,2,3-Trichloropropane	U		0.204	0.500	1	06/11/2024 06:51	WG2302417
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/11/2024 06:51	WG2302417
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/11/2024 06:51	WG2302417
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/11/2024 06:51	WG2302417
Vinyl acetate	U	UJ C3	0.141	0.500	1	06/11/2024 06:51	WG2302417
Vinyl chloride	0.460		0.0273	0.100	1	06/11/2024 06:51	WG2302417
Xylenes, Total	U		0.191	0.260	1	06/11/2024 06:51	WG2302417
(S) Toluene-d8	102			75.0-131		06/11/2024 06:51	WG2302417
(S) 4-Bromofluorobenzene	103			67.0-138		06/11/2024 06:51	WG2302417
(S) 1,2-Dichloroethane-d4	93.9			70.0-130		06/11/2024 06:51	WG2302417

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/18/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	26800		594	5000	1	06/27/2024 10:52	WG2311117

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	4900		102	1000	1	06/20/2024 23:44	WG2307924

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	3950		28.1	100	1	07/02/2024 21:21	WG2308022
Manganese	417		0.704	5.00	1	07/02/2024 21:21	WG2308022

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	2370		0.287	0.678	1	06/11/2024 14:33	WG2302179
Ethane	15.2		0.296	1.29	1	06/11/2024 14:33	WG2302179
Ethene	91.7		0.422	1.27	1	06/11/2024 14:33	WG2302179

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.20		0.548	1.00	1	06/11/2024 07:11	WG2302417
Acrylonitrile	U		0.0760	0.500	1	06/11/2024 07:11	WG2302417
Benzene	U		0.0160	0.0400	1	06/11/2024 07:11	WG2302417
Bromobenzene	U		0.0420	0.500	1	06/11/2024 07:11	WG2302417
Bromochloromethane	U		0.0452	0.200	1	06/11/2024 07:11	WG2302417
Bromodichloromethane	U		0.0315	0.100	1	06/11/2024 07:11	WG2302417
Bromoform	U		0.239	1.00	1	06/11/2024 07:11	WG2302417
Bromomethane	U		0.148	0.500	1	06/11/2024 07:11	WG2302417
n-Butylbenzene	U		0.153	0.500	1	06/11/2024 07:11	WG2302417
sec-Butylbenzene	U		0.101	0.500	1	06/11/2024 07:11	WG2302417
tert-Butylbenzene	U		0.0620	0.200	1	06/11/2024 07:11	WG2302417
Carbon disulfide	U		0.162	0.500	1	06/11/2024 07:11	WG2302417
Carbon tetrachloride	U		0.0432	0.200	1	06/11/2024 07:11	WG2302417
Chlorobenzene	U		0.0229	0.100	1	06/11/2024 07:11	WG2302417
Chlorodibromomethane	U		0.0180	0.100	1	06/11/2024 07:11	WG2302417
Chloroethane	U		0.0432	0.200	1	06/11/2024 07:11	WG2302417
Chloroform	U		0.0166	0.100	1	06/11/2024 07:11	WG2302417
Chloromethane	U		0.0556	0.500	1	06/11/2024 07:11	WG2302417
2-Chlorotoluene	U		0.0368	0.100	1	06/11/2024 07:11	WG2302417
4-Chlorotoluene	U		0.0452	0.200	1	06/11/2024 07:11	WG2302417
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/11/2024 07:11	WG2302417
1,2-Dibromoethane	U		0.0210	0.100	1	06/11/2024 07:11	WG2302417
Dibromomethane	U		0.0400	0.200	1	06/11/2024 07:11	WG2302417
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/11/2024 07:11	WG2302417
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/11/2024 07:11	WG2302417
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/11/2024 07:11	WG2302417
trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	06/11/2024 07:11	WG2302417
Dichlorodifluoromethane	U		0.0327	0.200	1	06/11/2024 07:11	WG2302417
1,1-Dichloroethane	U		0.0230	0.100	1	06/11/2024 07:11	WG2302417
1,2-Dichloroethane	U		0.0190	0.100	1	06/11/2024 07:11	WG2302417
1,1-Dichloroethene	U		0.0200	0.100	1	06/11/2024 07:11	WG2302417

JC 7/18/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	7.24		0.0276	0.100	1	06/11/2024 07:11	WG2302417
trans-1,2-Dichloroethene	0.124	J	0.0572	0.200	1	06/11/2024 07:11	WG2302417
1,2-Dichloropropane	U		0.0508	0.200	1	06/11/2024 07:11	WG2302417
1,1-Dichloropropene	U		0.0280	0.100	1	06/11/2024 07:11	WG2302417
1,3-Dichloropropane	U		0.0700	0.200	1	06/11/2024 07:11	WG2302417
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/11/2024 07:11	WG2302417
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/11/2024 07:11	WG2302417
2,2-Dichloropropane	U		0.0317	0.100	1	06/11/2024 07:11	WG2302417
Di-isopropyl ether	U		0.0140	0.0400	1	06/11/2024 07:11	WG2302417
Ethylbenzene	U		0.0212	0.100	1	06/11/2024 07:11	WG2302417
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/11/2024 07:11	WG2302417
2-Hexanone	U		0.400	1.00	1	06/11/2024 07:11	WG2302417
n-Hexane	U		0.0424	0.200	1	06/11/2024 07:11	WG2302417
Iodomethane	U		0.242	0.500	1	06/11/2024 07:11	WG2302417
Isopropylbenzene	U		0.0345	0.100	1	06/11/2024 07:11	WG2302417
p-Isopropyltoluene	U		0.0932	0.200	1	06/11/2024 07:11	WG2302417
2-Butanone (MEK)	U		0.500	1.00	1	06/11/2024 07:11	WG2302417
Methylene Chloride	U		0.265	1.00	1	06/11/2024 07:11	WG2302417
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/11/2024 07:11	WG2302417
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/11/2024 07:11	WG2302417
Naphthalene	U		0.124	0.500	1	06/11/2024 07:11	WG2302417
n-Propylbenzene	U		0.0472	0.200	1	06/11/2024 07:11	WG2302417
Styrene	U		0.109	0.500	1	06/11/2024 07:11	WG2302417
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/11/2024 07:11	WG2302417
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/11/2024 07:11	WG2302417
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/11/2024 07:11	WG2302417
Tetrachloroethene	U		0.0280	0.100	1	06/11/2024 07:11	WG2302417
Toluene	U		0.0500	0.200	1	06/11/2024 07:11	WG2302417
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/11/2024 07:11	WG2302417
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/11/2024 07:11	WG2302417
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/11/2024 07:11	WG2302417
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/11/2024 07:11	WG2302417
Trichloroethene	U		0.0160	0.0400	1	06/11/2024 07:11	WG2302417
Trichlorofluoromethane	U		0.0200	0.100	1	06/11/2024 07:11	WG2302417
1,2,3-Trichloropropane	U		0.204	0.500	1	06/11/2024 07:11	WG2302417
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/11/2024 07:11	WG2302417
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/11/2024 07:11	WG2302417
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/11/2024 07:11	WG2302417
Vinyl acetate	U	UJ C3	0.141	0.500	1	06/11/2024 07:11	WG2302417
Vinyl chloride	14.2		0.0273	0.100	1	06/11/2024 07:11	WG2302417
Xylenes, Total	U		0.191	0.260	1	06/11/2024 07:11	WG2302417
(S) Toluene-d8	103			75.0-131		06/11/2024 07:11	WG2302417
(S) 4-Bromofluorobenzene	103			67.0-138		06/11/2024 07:11	WG2302417
(S) 1,2-Dichloroethane-d4	90.8			70.0-130		06/11/2024 07:11	WG2302417



JC 7/18/24

June 15, 2024

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

PES Environmental, Inc.- WA

Sample Delivery Group: L1745449
Samples Received: 06/11/2024
Project Number: 1413001.10.701.03
Description: American Linen

Report To: Daniel Balbiani
2101 Fourth Ave., Suite 1310
Seattle, WA 98121

Entire Report Reviewed By:



Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

TABLE OF CONTENTS

Cp: Cover Page	1	¹ Cp
Tc: Table of Contents	2	
Ss: Sample Summary	3	² Tc
Cn: Case Narrative	4	
Sr: Sample Results	5	³ Ss
SV-23-061024 L1745449-01	5	
SV-24-061024 L1745449-02	7	⁴ Cn
Qc: Quality Control Summary	9	⁵ Sr
Volatile Organic Compounds (MS) by Method TO-15	9	
Gl: Glossary of Terms	14	⁶ Qc
Al: Accreditations & Locations	15	⁷ Gl
Sc: Sample Chain of Custody	16	⁸ Al
		⁹ Sc

SAMPLE SUMMARY

SV-23-061024 L1745449-01 Air

Collected by
SG

Collected date/time
06/10/24 13:08

Received date/time
06/11/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2303622	1	06/12/24 22:17	06/12/24 22:17	JAP	Mt. Juliet, TN

SV-24-061024 L1745449-02 Air

Collected by
SG

Collected date/time
06/10/24 14:28

Received date/time
06/11/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2303622	1	06/12/24 22:56	06/12/24 22:56	JAP	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG2304555	20	06/13/24 15:20	06/13/24 15:20	DAH	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jared Starkey
Project Manager

- ¹ Cp
- ² Tc
- ³ Ss
- ⁴ Cn
- ⁵ Sr
- ⁶ Qc
- ⁷ Gl
- ⁸ Al
- ⁹ Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	19.9	47.3		1	WG2303622
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2303622
Benzene	71-43-2	78.10	0.200	0.639	0.491	1.57		1	WG2303622
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2303622
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2303622
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2303622
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2303622
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2303622
Carbon disulfide	75-15-0	76.10	0.400	1.24	5.40	16.8		1	WG2303622
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2303622
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2303622
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2303622
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2303622
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2303622
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2303622
Cyclohexane	110-82-7	84.20	0.200	0.689	0.254	0.875		1	WG2303622
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2303622
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2303622
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2303622
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	0.260	1.56		1	WG2303622
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2303622
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2303622
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2303622
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2303622
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	0.477	1.89		1	WG2303622
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2303622
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2303622
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2303622
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2303622
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2303622
Ethanol	64-17-5	46.10	2.50	4.71	102	192	E	1	WG2303622
Ethylbenzene	100-41-4	106	0.200	0.867	0.883	3.83		1	WG2303622
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2303622
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.237	1.33		1	WG2303622
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.220	1.09		1	WG2303622
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2303622
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2303622
Heptane	142-82-5	100	0.200	0.818	0.565	2.31		1	WG2303622
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2303622
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2303622
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2303622
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.222	0.771		1	WG2303622
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2303622
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	4.28	12.6		1	WG2303622
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2303622
Methyl methacrylate	80-62-6	100.12	0.200	0.819	0.296	1.21		1	WG2303622
MTBE	1634-04-4	88.10	0.200	0.721	0.312	1.12		1	WG2303622
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2303622
2-Propanol	67-63-0	60.10	1.25	3.07	7.25	17.8		1	WG2303622
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2303622
Styrene	100-42-5	104	0.400	1.70	ND	ND		1	WG2303622
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2303622
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.967	6.57		1	WG2303622
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	9.92	29.3		1	WG2303622
Toluene	108-88-3	92.10	0.500	1.88	3.77	14.2		1	WG2303622
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2303622

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2303622
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2303622
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2303622
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.929	4.56		1	WG2303622
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.256	1.26		1	WG2303622
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.323	1.51		1	WG2303622
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2303622
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2303622
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2303622
Xylenes, Total	1330-20-7	106.16	0.600	2.61	4.88	21.2		1	WG2303622
m&p-Xylene	179601-23-1	106	0.400	1.73	3.64	15.8		1	WG2303622
o-Xylene	95-47-6	106	0.200	0.867	1.24	5.38		1	WG2303622
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		98.6				WG2303622

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	53.0	126		1	WG2303622
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2303622
Benzene	71-43-2	78.10	0.200	0.639	0.571	1.82		1	WG2303622
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2303622
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2303622
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2303622
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2303622
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2303622
Carbon disulfide	75-15-0	76.10	0.400	1.24	3.54	11.0		1	WG2303622
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2303622
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2303622
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2303622
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2303622
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2303622
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2303622
Cyclohexane	110-82-7	84.20	0.200	0.689	2.32	7.99		1	WG2303622
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2303622
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2303622
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2303622
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	0.264	1.59		1	WG2303622
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2303622
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2303622
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2303622
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2303622
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2303622
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2303622
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2303622
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2303622
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2303622
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2303622
Ethanol	64-17-5	46.10	2.50	4.71	40.7	76.7		1	WG2303622
Ethylbenzene	100-41-4	106	0.200	0.867	5.54	24.0		1	WG2303622
4-Ethyltoluene	622-96-8	120	0.200	0.982	1.04	5.10		1	WG2303622
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2303622
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	ND	ND		1	WG2303622
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2303622
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2303622
Heptane	142-82-5	100	0.200	0.818	5.19	21.2		1	WG2303622
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2303622
n-Hexane	110-54-3	86.20	0.630	2.22	5.65	19.9		1	WG2303622
Isopropylbenzene	98-82-8	120.20	0.200	0.983	0.487	2.39		1	WG2303622
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2303622
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2303622
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	34.8	103		1	WG2303622
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	4.71	19.3		1	WG2303622
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2303622
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2303622
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2303622
2-Propanol	67-63-0	60.10	1.25	3.07	5.69	14.0		1	WG2303622
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2303622
Styrene	100-42-5	104	0.400	1.70	ND	ND		1	WG2303622
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2303622
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.803	5.45		1	WG2303622
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	35.1	104		1	WG2303622
Toluene	108-88-3	92.10	0.500	1.88	15.7	59.1		1	WG2303622
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2303622

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2303622
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2303622
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2303622
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	5.85	28.7		1	WG2303622
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	1.59	7.80		1	WG2303622
2,2,4-Trimethylpentane	540-84-1	114.22	4.00	18.7	578	2700		20	WG2304555
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2303622
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2303622
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2303622
Xylenes, Total	1330-20-7	106.16	0.600	2.61	28.7	125		1	WG2303622
m&p-Xylene	179601-23-1	106	0.400	1.73	20.3	88.0		1	WG2303622
o-Xylene	95-47-6	106	0.200	0.867	8.41	36.5		1	WG2303622
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		142		J1		WG2303622
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		96.4				WG2304555

Sample Narrative:

L1745449-02 WG2303622: Surrogate failure due to matrix interference

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4081183-1 06/12/24 09:49

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
1,3-Butadiene	U		0.104	2.00
Carbon disulfide	U		0.102	0.400
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.389	U	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4081183-1 06/12/24 09:49

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.400
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
Xylenes, Total	U		0.135	0.600
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	100			60.0-140

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4081183-2 06/12/24 11:27 • (LCSD) R4081183-3 06/12/24 12:06

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	4.33	4.43	115	118	70.0-130			2.28	25
Allyl chloride	3.75	4.53	4.35	121	116	70.0-130			4.05	25
Benzene	3.75	4.45	4.57	119	122	70.0-130			2.66	25
Benzyl Chloride	3.75	4.69	4.68	125	125	70.0-152			0.213	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4081183-2 06/12/24 11:27 • (LCSD) R4081183-3 06/12/24 12:06

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Bromodichloromethane	3.75	4.45	4.49	119	120	70.0-130			0.895	25
Bromoform	3.75	4.27	4.38	114	117	70.0-130			2.54	25
Bromomethane	3.75	4.41	4.56	118	122	70.0-130			3.34	25
1,3-Butadiene	3.75	4.64	4.80	124	128	70.0-130			3.39	25
Carbon disulfide	7.50	9.09	9.16	121	122	70.0-130			0.767	25
Carbon tetrachloride	3.75	4.41	4.51	118	120	70.0-130			2.24	25
Chlorobenzene	3.75	4.48	4.55	119	121	70.0-130			1.55	25
Chloroethane	3.75	4.62	4.88	123	130	70.0-130			5.47	25
Chloroform	3.75	4.45	4.54	119	121	70.0-130			2.00	25
Chloromethane	3.75	4.70	4.75	125	127	70.0-130			1.06	25
2-Chlorotoluene	3.75	4.46	4.59	119	122	70.0-130			2.87	25
Cyclohexane	3.75	4.48	4.59	119	122	70.0-130			2.43	25
Dibromochloromethane	3.75	4.38	4.47	117	119	70.0-130			2.03	25
1,2-Dibromoethane	3.75	4.46	4.57	119	122	70.0-130			2.44	25
1,2-Dichlorobenzene	3.75	4.32	4.21	115	112	70.0-130			2.58	25
1,3-Dichlorobenzene	3.75	4.42	4.29	118	114	70.0-130			2.99	25
1,4-Dichlorobenzene	3.75	4.41	4.32	118	115	70.0-130			2.06	25
1,2-Dichloroethane	3.75	4.43	4.52	118	121	70.0-130			2.01	25
1,1-Dichloroethane	3.75	4.66	4.73	124	126	70.0-130			1.49	25
1,1-Dichloroethene	3.75	4.59	4.72	122	126	70.0-130			2.79	25
cis-1,2-Dichloroethene	3.75	4.61	4.70	123	125	70.0-130			1.93	25
trans-1,2-Dichloroethene	3.75	4.62	4.66	123	124	70.0-130			0.862	25
1,2-Dichloropropane	3.75	4.54	4.66	121	124	70.0-130			2.61	25
cis-1,3-Dichloropropene	3.75	4.56	4.70	122	125	70.0-130			3.02	25
trans-1,3-Dichloropropene	3.75	4.50	4.63	120	123	70.0-130			2.85	25
1,4-Dioxane	3.75	4.37	4.42	117	118	70.0-140			1.14	25
Ethanol	3.75	4.80	4.67	128	125	55.0-148			2.75	25
Ethylbenzene	3.75	4.49	4.66	120	124	70.0-130			3.72	25
4-Ethyltoluene	3.75	4.57	4.54	122	121	70.0-130			0.659	25
Trichlorofluoromethane	3.75	4.45	4.54	119	121	70.0-130			2.00	25
Dichlorodifluoromethane	3.75	4.28	4.40	114	117	64.0-139			2.76	25
1,1,2-Trichlorotrifluoroethane	3.75	4.42	4.55	118	121	70.0-130			2.90	25
1,2-Dichlorotetrafluoroethane	3.75	4.63	4.68	123	125	70.0-130			1.07	25
Heptane	3.75	4.73	4.85	126	129	70.0-130			2.51	25
Hexachloro-1,3-butadiene	3.75	4.00	3.42	107	91.2	70.0-151			15.6	25
n-Hexane	3.75	4.60	4.78	123	127	70.0-130			3.84	25
Isopropylbenzene	3.75	4.49	4.62	120	123	70.0-130			2.85	25
Methylene Chloride	3.75	4.66	4.68	124	125	70.0-130			0.428	25
Methyl Butyl Ketone	3.75	4.79	4.95	128	132	70.0-149			3.29	25
2-Butanone (MEK)	3.75	4.53	4.61	121	123	70.0-130			1.75	25

1
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Sr

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Qc

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Al

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Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4081183-2 06/12/24 11:27 • (LCSD) R4081183-3 06/12/24 12:06

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	3.75	4.64	4.72	124	126	70.0-139			1.71	25
Methyl methacrylate	3.75	4.54	4.66	121	124	70.0-130			2.61	25
MTBE	3.75	4.49	4.65	120	124	70.0-130			3.50	25
Naphthalene	3.75	4.11	3.38	110	90.1	70.0-159			19.5	25
2-Propanol	3.75	4.59	4.67	122	125	70.0-139			1.73	25
Propene	3.75	4.70	4.76	125	127	64.0-144			1.27	25
Styrene	7.50	9.10	9.41	121	125	70.0-130			3.35	25
1,1,2,2-Tetrachloroethane	3.75	4.54	4.48	121	119	70.0-130			1.33	25
Tetrachloroethylene	3.75	4.27	4.41	114	118	70.0-130			3.23	25
Tetrahydrofuran	3.75	4.64	4.75	124	127	70.0-137			2.34	25
Toluene	3.75	4.44	4.55	118	121	70.0-130			2.45	25
1,2,4-Trichlorobenzene	3.75	4.05	3.43	108	91.5	70.0-160			16.6	25
1,1,1-Trichloroethane	3.75	4.48	4.61	119	123	70.0-130			2.86	25
1,1,2-Trichloroethane	3.75	4.42	4.51	118	120	70.0-130			2.02	25
Trichloroethylene	3.75	4.38	4.50	117	120	70.0-130			2.70	25
1,2,4-Trimethylbenzene	3.75	4.57	4.51	122	120	70.0-130			1.32	25
1,3,5-Trimethylbenzene	3.75	4.44	4.42	118	118	70.0-130			0.451	25
2,2,4-Trimethylpentane	3.75	4.68	4.83	125	129	70.0-130			3.15	25
Vinyl chloride	3.75	4.64	4.83	124	129	70.0-130			4.01	25
Vinyl Bromide	3.75	4.41	4.49	118	120	70.0-130			1.80	25
Vinyl acetate	3.75	4.62	4.85	123	129	70.0-130			4.86	25
Xylenes, Total	11.3	13.4	13.8	119	122	70.0-130			2.94	25
m&p-Xylene	7.50	8.96	9.22	119	123	70.0-130			2.86	25
o-Xylene	3.75	4.42	4.58	118	122	70.0-130			3.56	25
(S) 1,4-Bromofluorobenzene				99.8	99.7	60.0-140				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4081768-3 06/13/24 10:29

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ppbv		ppbv	ppbv
2,2,4-Trimethylpentane	U		0.133	0.200
(S) 1,4-Bromofluorobenzene	94.4			60.0-140

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4081768-1 06/13/24 09:11 • (LCSD) R4081768-2 06/13/24 09:50

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	ppbv	ppbv	ppbv	%	%	%			%	%
2,2,4-Trimethylpentane	3.75	4.16	4.22	111	113	70.0-130			1.43	25
(S) 1,4-Bromofluorobenzene				96.8	97.6	60.0-140				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

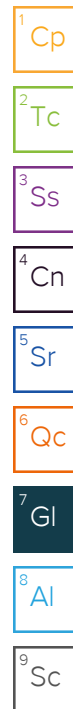
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.



ACCREDITATIONS & LOCATIONS

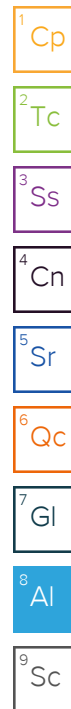
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



PES Environmental, Inc.- WA

Sample Delivery Group: L1745698
Samples Received: 06/12/2024
Project Number: 1413001.10.701.03
Description: American Linen

Report To: Daniel Balbiani
2101 Fourth Ave., Suite 1310
Seattle, WA 98121

Entire Report Reviewed By:



Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

TABLE OF CONTENTS

Cp: Cover Page	1	¹ Cp
Tc: Table of Contents	2	
Ss: Sample Summary	3	² Tc
Cn: Case Narrative	4	
Sr: Sample Results	5	³ Ss
SV-21-061124 L1745698-01	5	
SV-22-061124 L1745698-02	7	⁴ Cn
SV-08-061124 L1745698-03	9	⁵ Sr
SV-09-061124 L1745698-04	11	
Qc: Quality Control Summary	13	⁶ Qc
Volatile Organic Compounds (MS) by Method TO-15	13	
Gl: Glossary of Terms	20	⁷ Gl
Al: Accreditations & Locations	21	⁸ Al
Sc: Sample Chain of Custody	22	⁹ Sc

SAMPLE SUMMARY

SV-21-061124 L1745698-01 Air

Collected by
SG

Collected date/time
06/11/24 12:08

Received date/time
06/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2303835	1	06/12/24 21:29	06/12/24 21:29	MNP	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG2304515	1	06/13/24 19:10	06/13/24 19:10	DAH	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG2305271	1	06/14/24 15:47	06/14/24 15:47	MNP	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

SV-22-061124 L1745698-02 Air

Collected by
SG

Collected date/time
06/11/24 13:18

Received date/time
06/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2303835	1	06/12/24 21:56	06/12/24 21:56	MNP	Mt. Juliet, TN

⁵Sr

⁶Qc

SV-08-061124 L1745698-03 Air

Collected by
SG

Collected date/time
06/11/24 13:03

Received date/time
06/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2303835	1	06/12/24 22:25	06/12/24 22:25	MNP	Mt. Juliet, TN

⁷Gl

⁸Al

SV-09-061124 L1745698-04 Air

Collected by
SG

Collected date/time
06/11/24 15:58

Received date/time
06/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2303835	1	06/12/24 22:54	06/12/24 22:54	MNP	Mt. Juliet, TN

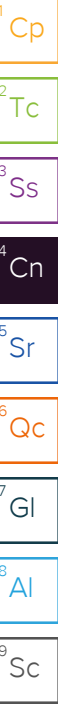
⁹Sc

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jared Starkey
Project Manager



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	35.4	84.1		1	WG2303835
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2303835
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2304515
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2304515
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2304515
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2304515
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2303835
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2303835
Carbon disulfide	75-15-0	76.10	0.400	1.24	4.51	14.0		1	WG2303835
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2303835
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2304515
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2303835
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2303835
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2303835
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2304515
Cyclohexane	110-82-7	84.20	0.200	0.689	0.286	0.985	J4	1	WG2303835
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2304515
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2304515
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2304515
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	0.231	1.39		1	WG2304515
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2304515
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2304515
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2303835
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2303835
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2303835
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2303835
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2304515
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2304515
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2304515
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2304515
Ethanol	64-17-5	46.10	2.50	4.71	37.6	70.9		1	WG2303835
Ethylbenzene	100-41-4	106	0.200	0.867	2.62	11.4		1	WG2304515
4-Ethyltoluene	622-96-8	120	0.200	0.982	2.71	13.3		1	WG2304515
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.501	2.82		1	WG2303835
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	ND	ND		1	WG2303835
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2303835
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2303835
Heptane	142-82-5	100	0.200	0.818	0.989	4.04		1	WG2304515
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2304515
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2303835
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2304515
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2303835
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2304515
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	22.1	65.2		1	WG2303835
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	2.75	11.3		1	WG2304515
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2304515
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2303835
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2304515
2-Propanol	67-63-0	60.10	1.25	3.07	4.54	11.2		1	WG2303835
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2303835
Styrene	100-42-5	104	0.400	1.70	ND	ND		1	WG2304515
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2304515
Tetrachloroethylene	127-18-4	166	0.200	1.36	1.63	11.1		1	WG2305271
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	20.9	61.6		1	WG2303835
Toluene	108-88-3	92.10	0.500	1.88	8.54	32.2		1	WG2304515
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2304515

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	0.509	2.77		1	WG2303835
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2304515
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2304515
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	3.22	15.8		1	WG2304515
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.940	4.61		1	WG2304515
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	1.90	8.88		1	WG2303835
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2303835
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2303835
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2303835
Xylenes, Total	1330-20-7	106.16	0.600	2.61	14.7	63.8		1	WG2304515
m&p-Xylene	179601-23-1	106	0.400	1.73	10.4	45.1		1	WG2304515
o-Xylene	95-47-6	106	0.200	0.867	4.34	18.8		1	WG2304515
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		105				WG2303835
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		95.8				WG2304515
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		101				WG2305271

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	24.5	58.2		1	WG2303835
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2303835
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2303835
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2303835
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2303835
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2303835
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2303835
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2303835
Carbon disulfide	75-15-0	76.10	0.400	1.24	2.21	6.88		1	WG2303835
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2303835
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2303835
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2303835
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2303835
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2303835
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2303835
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND	J4	1	WG2303835
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2303835
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2303835
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2303835
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	0.213	1.28		1	WG2303835
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2303835
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2303835
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2303835
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2303835
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2303835
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2303835
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2303835
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2303835
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2303835
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2303835
Ethanol	64-17-5	46.10	2.50	4.71	21.2	40.0		1	WG2303835
Ethylbenzene	100-41-4	106	0.200	0.867	0.908	3.94		1	WG2303835
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.327	1.60		1	WG2303835
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.334	1.88		1	WG2303835
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.352	1.74		1	WG2303835
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2303835
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2303835
Heptane	142-82-5	100	0.200	0.818	0.329	1.35		1	WG2303835
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2303835
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2303835
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2303835
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2303835
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2303835
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	7.16	21.1		1	WG2303835
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2303835
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2303835
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2303835
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2303835
2-Propanol	67-63-0	60.10	1.25	3.07	1.95	4.79		1	WG2303835
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2303835
Styrene	100-42-5	104	0.400	1.70	ND	ND		1	WG2303835
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2303835
Tetrachloroethylene	127-18-4	166	0.200	1.36	1.32	8.96		1	WG2303835
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	7.12	21.0		1	WG2303835
Toluene	108-88-3	92.10	0.500	1.88	2.26	8.51		1	WG2303835
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2303835

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	0.643	3.50		1	WG2303835
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2303835
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2303835
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	1.76	8.64		1	WG2303835
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.426	2.09		1	WG2303835
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2303835
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2303835
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2303835
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2303835
Xylenes, Total	1330-20-7	106.16	0.600	2.61	5.13	22.3		1	WG2303835
m&p-Xylene	179601-23-1	106	0.400	1.73	3.43	14.9		1	WG2303835
o-Xylene	95-47-6	106	0.200	0.867	1.70	7.37		1	WG2303835
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		96.8				WG2303835

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	41.4	98.4		1	WG2303835
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2303835
Benzene	71-43-2	78.10	0.200	0.639	0.202	0.645		1	WG2303835
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2303835
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2303835
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2303835
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2303835
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2303835
Carbon disulfide	75-15-0	76.10	0.400	1.24	2.50	7.78		1	WG2303835
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2303835
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2303835
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2303835
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2303835
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2303835
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2303835
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND	J4	1	WG2303835
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2303835
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2303835
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2303835
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	0.621	3.73		1	WG2303835
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2303835
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2303835
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2303835
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2303835
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2303835
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2303835
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2303835
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2303835
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2303835
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2303835
Ethanol	64-17-5	46.10	2.50	4.71	27.4	51.7		1	WG2303835
Ethylbenzene	100-41-4	106	0.200	0.867	1.94	8.41		1	WG2303835
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.759	3.73		1	WG2303835
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.351	1.97		1	WG2303835
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.474	2.34		1	WG2303835
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2303835
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2303835
Heptane	142-82-5	100	0.200	0.818	0.437	1.79		1	WG2303835
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2303835
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2303835
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2303835
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2303835
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2303835
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	20.4	60.2		1	WG2303835
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	2.43	9.95		1	WG2303835
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2303835
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2303835
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2303835
2-Propanol	67-63-0	60.10	1.25	3.07	2.42	5.95		1	WG2303835
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2303835
Styrene	100-42-5	104	0.400	1.70	ND	ND		1	WG2303835
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2303835
Tetrachloroethylene	127-18-4	166	0.200	1.36	1.18	8.01		1	WG2303835
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	22.7	66.9		1	WG2303835
Toluene	108-88-3	92.10	0.500	1.88	3.70	13.9		1	WG2303835
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2303835

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2303835
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2303835
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2303835
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	4.13	20.3		1	WG2303835
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	1.00	4.91		1	WG2303835
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2303835
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2303835
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2303835
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2303835
Xylenes, Total	1330-20-7	106.16	0.600	2.61	11.0	47.8		1	WG2303835
m&p-Xylene	179601-23-1	106	0.400	1.73	7.34	31.8		1	WG2303835
o-Xylene	95-47-6	106	0.200	0.867	3.62	15.7		1	WG2303835
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		99.4				WG2303835

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	45.1	107		1	WG2303835
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2303835
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2303835
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2303835
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2303835
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2303835
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2303835
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2303835
Carbon disulfide	75-15-0	76.10	0.400	1.24	3.86	12.0		1	WG2303835
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2303835
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2303835
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2303835
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2303835
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2303835
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2303835
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND	J4	1	WG2303835
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2303835
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2303835
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2303835
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	0.371	2.23		1	WG2303835
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2303835
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2303835
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2303835
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2303835
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2303835
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2303835
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2303835
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2303835
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2303835
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2303835
Ethanol	64-17-5	46.10	2.50	4.71	20.1	37.9		1	WG2303835
Ethylbenzene	100-41-4	106	0.200	0.867	0.921	3.99		1	WG2303835
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.330	1.62		1	WG2303835
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.537	3.02		1	WG2303835
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.549	2.72		1	WG2303835
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2303835
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2303835
Heptane	142-82-5	100	0.200	0.818	0.264	1.08		1	WG2303835
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2303835
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2303835
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2303835
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2303835
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2303835
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	13.6	40.1		1	WG2303835
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	1.71	7.00		1	WG2303835
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2303835
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2303835
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2303835
2-Propanol	67-63-0	60.10	1.25	3.07	2.25	5.53		1	WG2303835
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2303835
Styrene	100-42-5	104	0.400	1.70	ND	ND		1	WG2303835
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2303835
Tetrachloroethylene	127-18-4	166	0.200	1.36	2.41	16.4		1	WG2303835
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	15.0	44.2		1	WG2303835
Toluene	108-88-3	92.10	0.500	1.88	2.00	7.53		1	WG2303835
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2303835

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2303835
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2303835
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2303835
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	2.09	10.3		1	WG2303835
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.490	2.40		1	WG2303835
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2303835
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2303835
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2303835
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2303835
Xylenes, Total	1330-20-7	106.16	0.600	2.61	5.13	22.3		1	WG2303835
m&p-Xylene	179601-23-1	106	0.400	1.73	3.29	14.3		1	WG2303835
o-Xylene	95-47-6	106	0.200	0.867	1.84	7.98		1	WG2303835
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		93.4				WG2303835

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4081074-2 06/12/24 13:44

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
1,3-Butadiene	U		0.104	2.00
Carbon disulfide	U		0.102	0.400
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4081074-2 06/12/24 13:44

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.400
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
Xylenes, Total	U		0.135	0.600
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	99.8			60.0-140

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4081074-1 06/12/24 13:17 • (LCSD) R4081074-3 06/12/24 14:13

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.74	3.96	99.7	106	70.0-130			5.71	25
Allyl chloride	3.75	3.61	3.82	96.3	102	70.0-130			5.65	25
Benzene	3.75	4.09	4.23	109	113	70.0-130			3.37	25
Benzyl Chloride	3.75	3.67	3.67	97.9	97.9	70.0-152			0.000	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4081074-1 06/12/24 13:17 • (LCSD) R4081074-3 06/12/24 14:13

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Bromodichloromethane	3.75	3.65	3.77	97.3	101	70.0-130			3.23	25
Bromoform	3.75	3.53	3.57	94.1	95.2	70.0-130			1.13	25
Bromomethane	3.75	4.05	4.17	108	111	70.0-130			2.92	25
1,3-Butadiene	3.75	3.76	3.91	100	104	70.0-130			3.91	25
Carbon disulfide	7.50	7.52	7.86	100	105	70.0-130			4.42	25
Carbon tetrachloride	3.75	3.91	4.02	104	107	70.0-130			2.77	25
Chlorobenzene	3.75	4.04	4.21	108	112	70.0-130			4.12	25
Chloroethane	3.75	3.91	4.13	104	110	70.0-130			5.47	25
Chloroform	3.75	3.99	4.14	106	110	70.0-130			3.69	25
Chloromethane	3.75	3.62	3.76	96.5	100	70.0-130			3.79	25
2-Chlorotoluene	3.75	4.09	4.19	109	112	70.0-130			2.42	25
Cyclohexane	3.75	4.74	4.92	126	131	70.0-130		J4	3.73	25
Dibromochloromethane	3.75	3.81	3.97	102	106	70.0-130			4.11	25
1,2-Dibromoethane	3.75	4.04	4.21	108	112	70.0-130			4.12	25
1,2-Dichlorobenzene	3.75	3.85	3.90	103	104	70.0-130			1.29	25
1,3-Dichlorobenzene	3.75	3.89	3.94	104	105	70.0-130			1.28	25
1,4-Dichlorobenzene	3.75	3.85	4.00	103	107	70.0-130			3.82	25
1,2-Dichloroethane	3.75	3.69	3.82	98.4	102	70.0-130			3.46	25
1,1-Dichloroethane	3.75	4.04	4.20	108	112	70.0-130			3.88	25
1,1-Dichloroethene	3.75	3.76	3.95	100	105	70.0-130			4.93	25
cis-1,2-Dichloroethene	3.75	4.21	4.40	112	117	70.0-130			4.41	25
trans-1,2-Dichloroethene	3.75	3.75	3.88	100	103	70.0-130			3.41	25
1,2-Dichloropropane	3.75	3.79	3.96	101	106	70.0-130			4.39	25
cis-1,3-Dichloropropene	3.75	4.17	4.28	111	114	70.0-130			2.60	25
trans-1,3-Dichloropropene	3.75	4.00	4.18	107	111	70.0-130			4.40	25
1,4-Dioxane	3.75	4.69	4.77	125	127	70.0-140			1.69	25
Ethanol	3.75	3.91	4.03	104	107	55.0-148			3.02	25
Ethylbenzene	3.75	4.22	4.28	113	114	70.0-130			1.41	25
4-Ethyltoluene	3.75	4.33	4.39	115	117	70.0-130			1.38	25
Trichlorofluoromethane	3.75	3.82	4.03	102	107	70.0-130			5.35	25
Dichlorodifluoromethane	3.75	3.66	3.88	97.6	103	64.0-139			5.84	25
1,1,2-Trichlorotrifluoroethane	3.75	3.82	4.02	102	107	70.0-130			5.10	25
1,2-Dichlorotetrafluoroethane	3.75	3.82	4.03	102	107	70.0-130			5.35	25
Heptane	3.75	4.10	4.26	109	114	70.0-130			3.83	25
Hexachloro-1,3-butadiene	3.75	3.55	3.48	94.7	92.8	70.0-151			1.99	25
n-Hexane	3.75	4.40	4.57	117	122	70.0-130			3.79	25
Isopropylbenzene	3.75	4.02	4.16	107	111	70.0-130			3.42	25
Methylene Chloride	3.75	3.61	3.73	96.3	99.5	70.0-130			3.27	25
Methyl Butyl Ketone	3.75	4.29	4.31	114	115	70.0-149			0.465	25
2-Butanone (MEK)	3.75	4.53	4.66	121	124	70.0-130			2.83	25

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4081074-1 06/12/24 13:17 • (LCSD) R4081074-3 06/12/24 14:13

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	3.75	3.98	4.09	106	109	70.0-139			2.73	25
Methyl methacrylate	3.75	4.37	4.51	117	120	70.0-130			3.15	25
MTBE	3.75	4.48	4.63	119	123	70.0-130			3.29	25
Naphthalene	3.75	4.23	3.76	113	100	70.0-159			11.8	25
2-Propanol	3.75	3.71	3.94	98.9	105	70.0-139			6.01	25
Propene	3.75	3.61	3.69	96.3	98.4	64.0-144			2.19	25
Styrene	7.50	8.84	8.90	118	119	70.0-130			0.676	25
1,1,2,2-Tetrachloroethane	3.75	3.61	3.71	96.3	98.9	70.0-130			2.73	25
Tetrachloroethylene	3.75	4.14	4.37	110	117	70.0-130			5.41	25
Tetrahydrofuran	3.75	4.16	4.37	111	117	70.0-137			4.92	25
Toluene	3.75	4.47	4.60	119	123	70.0-130			2.87	25
1,2,4-Trichlorobenzene	3.75	3.85	3.49	103	93.1	70.0-160			9.81	25
1,1,1-Trichloroethane	3.75	4.02	4.18	107	111	70.0-130			3.90	25
1,1,2-Trichloroethane	3.75	3.88	4.08	103	109	70.0-130			5.03	25
Trichloroethylene	3.75	3.98	4.14	106	110	70.0-130			3.94	25
1,2,4-Trimethylbenzene	3.75	4.30	4.34	115	116	70.0-130			0.926	25
1,3,5-Trimethylbenzene	3.75	4.25	4.37	113	117	70.0-130			2.78	25
2,2,4-Trimethylpentane	3.75	4.49	4.64	120	124	70.0-130			3.29	25
Vinyl chloride	3.75	3.82	4.00	102	107	70.0-130			4.60	25
Vinyl Bromide	3.75	4.08	4.22	109	113	70.0-130			3.37	25
Vinyl acetate	3.75	4.09	4.31	109	115	70.0-130			5.24	25
Xylenes, Total	11.3	12.6	12.9	112	114	70.0-130			2.35	25
m&p-Xylene	7.50	8.44	8.60	113	115	70.0-130			1.88	25
o-Xylene	3.75	4.18	4.25	111	113	70.0-130			1.66	25
(S) 1,4-Bromofluorobenzene				106	103	60.0-140				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4081740-2 06/13/24 10:34

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Chlorobenzene	U		0.0832	0.200
2-Chlorotoluene	U		0.0828	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
Isopropylbenzene	U		0.0777	0.200
Methyl Butyl Ketone	U		0.133	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
Naphthalene	U		0.350	0.630
Styrene	U		0.0788	0.400
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
Xylenes, Total	U		0.135	0.600
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	92.1			60.0-140

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4081740-1 06/13/24 09:54 • (LCSD) R4081740-3 06/13/24 11:16

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	3.75	3.67	3.70	97.9	98.7	70.0-130			0.814	25
Benzyl Chloride	3.75	3.94	3.89	105	104	70.0-152			1.28	25
Bromodichloromethane	3.75	3.59	3.60	95.7	96.0	70.0-130			0.278	25
Bromoform	3.75	3.88	3.92	103	105	70.0-130			1.03	25
Chlorobenzene	3.75	3.86	3.89	103	104	70.0-130			0.774	25
2-Chlorotoluene	3.75	3.87	3.88	103	103	70.0-130			0.258	25
Dibromochloromethane	3.75	3.80	3.83	101	102	70.0-130			0.786	25
1,2-Dibromoethane	3.75	3.78	3.81	101	102	70.0-130			0.791	25
1,2-Dichlorobenzene	3.75	3.99	3.99	106	106	70.0-130			0.000	25
1,3-Dichlorobenzene	3.75	4.09	4.10	109	109	70.0-130			0.244	25
1,4-Dichlorobenzene	3.75	4.19	4.18	112	111	70.0-130			0.239	25
1,2-Dichloroethane	3.75	3.51	3.57	93.6	95.2	70.0-130			1.69	25
1,2-Dichloropropane	3.75	3.40	3.46	90.7	92.3	70.0-130			1.75	25
cis-1,3-Dichloropropene	3.75	3.60	3.62	96.0	96.5	70.0-130			0.554	25
trans-1,3-Dichloropropene	3.75	3.59	3.63	95.7	96.8	70.0-130			1.11	25
1,4-Dioxane	3.75	3.52	3.53	93.9	94.1	70.0-140			0.284	25
Ethylbenzene	3.75	3.75	3.75	100	100	70.0-130			0.000	25
4-Ethyltoluene	3.75	3.95	3.97	105	106	70.0-130			0.505	25
Heptane	3.75	3.24	3.35	86.4	89.3	70.0-130			3.34	25
Hexachloro-1,3-butadiene	3.75	4.37	4.38	117	117	70.0-151			0.229	25
Isopropylbenzene	3.75	3.86	3.90	103	104	70.0-130			1.03	25
Methyl Butyl Ketone	3.75	3.31	3.30	88.3	88.0	70.0-149			0.303	25
4-Methyl-2-pentanone (MIBK)	3.75	3.33	3.37	88.8	89.9	70.0-139			1.19	25
Methyl methacrylate	3.75	3.40	3.43	90.7	91.5	70.0-130			0.878	25
Naphthalene	3.75	4.45	4.31	119	115	70.0-159			3.20	25
Styrene	7.50	8.00	8.07	107	108	70.0-130			0.871	25
1,1,2,2-Tetrachloroethane	3.75	3.72	3.73	99.2	99.5	70.0-130			0.268	25
Toluene	3.75	3.73	3.77	99.5	101	70.0-130			1.07	25
1,2,4-Trichlorobenzene	3.75	4.60	4.56	123	122	70.0-160			0.873	25
1,1,2-Trichloroethane	3.75	3.74	3.73	99.7	99.5	70.0-130			0.268	25
Trichloroethylene	3.75	3.63	3.66	96.8	97.6	70.0-130			0.823	25
1,2,4-Trimethylbenzene	3.75	3.93	3.94	105	105	70.0-130			0.254	25
1,3,5-Trimethylbenzene	3.75	3.97	3.97	106	106	70.0-130			0.000	25
Xylenes, Total	11.3	11.5	11.5	102	102	70.0-130			0.000	25
m&p-Xylene	7.50	7.69	7.72	103	103	70.0-130			0.389	25
o-Xylene	3.75	3.76	3.77	100	101	70.0-130			0.266	25
(S) 1,4-Bromofluorobenzene				94.1	93.8	60.0-140				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4081840-3 06/14/24 10:12

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	ppbv
Tetrachloroethylene	U		0.0814	0.200
(S) 1,4-Bromofluorobenzene	94.9			60.0-140

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4081840-1 06/14/24 09:04 • (LCSD) R4081840-2 06/14/24 09:39

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ppbv	ppbv	ppbv	%	%	%			%	%
Tetrachloroethylene	3.75	3.97	3.85	106	103	70.0-130			3.07	25
(S) 1,4-Bromofluorobenzene				102	101	60.0-140				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

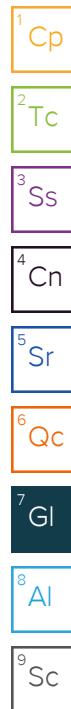
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

J4	The associated batch QC was outside the established quality control range for accuracy.



ACCREDITATIONS & LOCATIONS

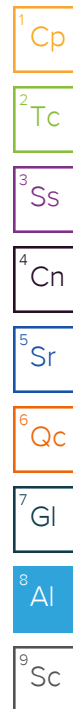
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



L-086

Pace® Location Requested (City/State):		Air CHAIN-OF-CUSTODY Analytical Request Document				LAB USE ONLY- Affix Workorder													
Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields																			
Company Name: PES Environmental, Inc.- WA		Contact/Report To: Daniel Balbiani (ALP Q2)				Sample Receipt Checklist CO2 Seal Present/Intact: ☒ Y ☐ N Airs _____ CO2 Signed/Accurate: ☒ Y ☐ N Size: ☒ 1L 6L 1.4L Bottles arrive intact: ☒ Y ☐ N Taps: ☒ G ☐ W ☐ F ☐ B Correct bottles used: ☒ Y ☐ N Tubing _____ Shunt _____ Unused: _____ T/E#: _____													
Street Address: 2101 Fourth Ave., Suite 1310 Seattle, WA 98121		Phone #: 206-529-3980																	
City, State Zip:		E-Mail: jessica.babb@nv5.com; natalie.wisdom@nv5.com; Daniel.balbani@nv5.com; sam.graber@nv5.com																	
Customer Project #: 1413001.10.701.03		Cc E-Mail:																	
Project Name: American Linen		Invoice to: NUS				Field Information Analyses Requested													
Site Collection Info/Facility ID (as applicable): PESENVSWA-ALP		Invoice E-Mail: Sam Graber / Dan Balbiani																	
Time Zone Collected: [] AK [X] PT [] MT [] CT [] ET		Purchase Order # (if applicable): 443022-1413001.10.701.03																	
Data Deliverables:		Regulatory Program (CAA, RCRA, etc.) as applicable:				State origin of sample(s): WA Quote #:													
[] Level II [] Level III [] Level IV		Rush (Pre-approval required): 2 Day 3 day 5 day Other _____																	
[] EQUIS		Permit # as applicable:																	
[] Other _____		Date Results Requested: STD TAT				Units for Reporting: ug/m³ PPBV mg/m³ PPMV													
* Matrix Codes (Insert in Matrix box below): Ambient (A), Indoor (I), Soil Vapor (SV), Other (O)																			
Customer Sample ID	Matrix *	Summa Canister ID	Flow Controller ID	Begin Collection		End Collection		Start Pressure / Vacuum (in Hg)	End Pressure / Vacuum (in Hg)	Duration (minutes)	Flow Rate m³/min or L/min	Total Volume Sampled m³ or L	TO-15 Summa		Lab Use Only				
SV-21-061124	SV	03050	01033	6/11/24	1203	6/11/24	1208	-29	-3	5	200 mL/min	1L	X		61	Project Manager: 546 - Jared Starkey AcctNum / Client ID: PESENVSWA Table #: Profile / Template: T251746 Prelog / Bottle Ord. ID: P1072915 L174 5698 Sample Comment			
		029632	020325																
SV-22-061124		009313	014218		1313		1313	-23	-3	5	200 mL/min	1L	X		62				
SV-03-061124		005154	021625		1459		1503	-32	-4	6			X		63				
SV-09-061124		023800	021644		1553		1558	-31	-4	5			X		64	at SV-03-061124			
Customer Remarks / Special Conditions / Possible Hazards:																			
Collected By: SEB / NUS								Additional Instructions from Pace®:											
Printed Name: Sam Graber								# Coolers: _____ Thermometer ID: _____ Correction Factor (°C): _____ Obs. Temp. (°C): _____ Corrected Temp. (°C): _____											
Signature: [Signature]								Tracking Number: _____											
Relinquished by/Company: (Signature) [Signature] / NUS				Date/Time: 6/11/24 1610				Received by/Company: (Signature)				Date/Time: _____				Delivered by: In - Person Courier			
Relinquished by/Company: (Signature)				Date/Time:				Received by/Company: (Signature)				Date/Time:				FedEX UPS Other			
Relinquished by/Company: (Signature)				Date/Time:				Received by/Company: (Signature)				Date/Time: APB				Cont- Y			
Relinquished by/Company: (Signature)				Date/Time:				Received by/Company: (Signature)				Date/Time: 6/12/24				0900			
Page: _____ of: _____																			

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at <https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/>

June 15, 2024

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

PES Environmental, Inc.- WA

Sample Delivery Group: L1746350
Samples Received: 06/13/2024
Project Number: 1413001.10.701.03
Description: American Linen

Report To: Daniel Balbiani
2101 Fourth Ave., Suite 1310
Seattle, WA 98121

Entire Report Reviewed By:



Jared Starkey
Project Manager

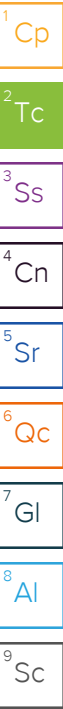
Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

TABLE OF CONTENTS

Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	4
Sr: Sample Results	5
SV01-061224 L1746350-01	5
SV-18-061224 L1746350-02	7
SV-910-061224 L1746350-03	9
SV-12-061224 L1746350-04	11
SV-13-061224 L1746350-05	13
SV-17-061224 L1746350-06	15
Qc: Quality Control Summary	17
Volatile Organic Compounds (MS) by Method TO-15	17
Gl: Glossary of Terms	21
Al: Accreditations & Locations	22
Sc: Sample Chain of Custody	23



SAMPLE SUMMARY

SV01-061224 L1746350-01 Air

Collected by
Sam G

Collected date/time
06/12/24 09:26

Received date/time
06/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2304548	1	06/13/24 23:21	06/13/24 23:21	MNP	Mt. Juliet, TN

¹Cp

²Tc

³Ss

SV-18-061224 L1746350-02 Air

Collected by
Sam G

Collected date/time
06/12/24 10:52

Received date/time
06/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2304548	1	06/14/24 00:01	06/14/24 00:01	MNP	Mt. Juliet, TN

⁴Cn

⁵Sr

SV-910-061224 L1746350-03 Air

Collected by
Sam G

Collected date/time
06/12/24 11:22

Received date/time
06/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2304548	1	06/14/24 00:41	06/14/24 00:41	MNP	Mt. Juliet, TN

⁶Qc

⁷Gl

SV-12-061224 L1746350-04 Air

Collected by
Sam G

Collected date/time
06/12/24 12:17

Received date/time
06/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2304548	1	06/14/24 01:20	06/14/24 01:20	MNP	Mt. Juliet, TN

⁸Al

⁹Sc

SV-13-061224 L1746350-05 Air

Collected by
Sam G

Collected date/time
06/12/24 13:04

Received date/time
06/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2304548	1	06/14/24 01:59	06/14/24 01:59	MNP	Mt. Juliet, TN

SV-17-061224 L1746350-06 Air

Collected by
Sam G

Collected date/time
06/12/24 16:09

Received date/time
06/13/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2304548	1	06/14/24 02:38	06/14/24 02:38	MNP	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jared Starkey
Project Manager

- ¹ Cp
- ² Tc
- ³ Ss
- ⁴ Cn
- ⁵ Sr
- ⁶ Qc
- ⁷ Gl
- ⁸ Al
- ⁹ Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	21.2	50.4		1	WG2304548
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2304548
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2304548
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2304548
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2304548
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2304548
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2304548
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2304548
Carbon disulfide	75-15-0	76.10	0.400	1.24	ND	ND		1	WG2304548
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2304548
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2304548
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2304548
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2304548
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2304548
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2304548
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2304548
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2304548
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2304548
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2304548
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2304548
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2304548
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2304548
1,1-Dichloroethane	75-34-3	98	0.200	0.802	0.624	2.50		1	WG2304548
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2304548
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2304548
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2304548
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2304548
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2304548
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2304548
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2304548
Ethanol	64-17-5	46.10	2.50	4.71	41.2	77.7		1	WG2304548
Ethylbenzene	100-41-4	106	0.200	0.867	0.695	3.01		1	WG2304548
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2304548
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.215	1.21		1	WG2304548
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.344	1.70		1	WG2304548
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2304548
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2304548
Heptane	142-82-5	100	0.200	0.818	0.456	1.87		1	WG2304548
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2304548
n-Hexane	110-54-3	86.20	0.630	2.22	1.67	5.89		1	WG2304548
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2304548
Methylene Chloride	75-09-2	84.90	0.200	0.694	5.93	20.6		1	WG2304548
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2304548
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	5.62	16.6		1	WG2304548
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2304548
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2304548
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2304548
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2304548
2-Propanol	67-63-0	60.10	1.25	3.07	3.09	7.60		1	WG2304548
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2304548
Styrene	100-42-5	104	0.400	1.70	ND	ND		1	WG2304548
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2304548
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.383	2.60		1	WG2304548
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	5.64	16.6		1	WG2304548
Toluene	108-88-3	92.10	0.500	1.88	2.55	9.61	B	1	WG2304548
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2304548

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	2.56	13.9		1	WG2304548
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2304548
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2304548
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.683	3.35		1	WG2304548
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.207	1.02		1	WG2304548
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2304548
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2304548
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2304548
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2304548
Xylenes, Total	1330-20-7	106.16	0.600	2.61	3.65	15.8		1	WG2304548
m&p-Xylene	179601-23-1	106	0.400	1.73	2.66	11.5		1	WG2304548
o-Xylene	95-47-6	106	0.200	0.867	0.991	4.30		1	WG2304548
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		101				WG2304548

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	12.9	30.7		1	WG2304548
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2304548
Benzene	71-43-2	78.10	0.200	0.639	0.405	1.29		1	WG2304548
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2304548
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2304548
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2304548
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2304548
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2304548
Carbon disulfide	75-15-0	76.10	0.400	1.24	0.428	1.33		1	WG2304548
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2304548
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2304548
Chloroethane	75-00-3	64.50	0.200	0.528	0.493	1.30		1	WG2304548
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2304548
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2304548
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2304548
Cyclohexane	110-82-7	84.20	0.200	0.689	0.864	2.98		1	WG2304548
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2304548
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2304548
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2304548
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2304548
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2304548
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2304548
1,1-Dichloroethane	75-34-3	98	0.200	0.802	13.3	53.3		1	WG2304548
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2304548
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	0.219	0.868		1	WG2304548
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2304548
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2304548
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2304548
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2304548
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2304548
Ethanol	64-17-5	46.10	2.50	4.71	7.95	15.0		1	WG2304548
Ethylbenzene	100-41-4	106	0.200	0.867	0.480	2.08		1	WG2304548
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2304548
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2304548
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.224	1.11		1	WG2304548
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2304548
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2304548
Heptane	142-82-5	100	0.200	0.818	0.747	3.06		1	WG2304548
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2304548
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2304548
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2304548
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2304548
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2304548
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	3.30	9.73		1	WG2304548
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2304548
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2304548
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2304548
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2304548
2-Propanol	67-63-0	60.10	1.25	3.07	1.51	3.71		1	WG2304548
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2304548
Styrene	100-42-5	104	0.400	1.70	ND	ND		1	WG2304548
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2304548
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.286	1.94		1	WG2304548
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2304548
Toluene	108-88-3	92.10	0.500	1.88	1.17	4.41	B	1	WG2304548
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2304548

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	5.77	31.4		1	WG2304548
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2304548
Trichloroethylene	79-01-6	131	0.200	1.07	0.238	1.28		1	WG2304548
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.889	4.36		1	WG2304548
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.247	1.21		1	WG2304548
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	3.03	14.2		1	WG2304548
Vinyl chloride	75-01-4	62.50	0.200	0.511	15.5	39.6		1	WG2304548
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2304548
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2304548
Xylenes, Total	1330-20-7	106.16	0.600	2.61	2.70	11.7		1	WG2304548
m&p-Xylene	179601-23-1	106	0.400	1.73	1.87	8.11		1	WG2304548
o-Xylene	95-47-6	106	0.200	0.867	0.829	3.59		1	WG2304548
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		101				WG2304548

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

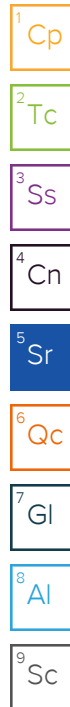
7Gl

8Al

9Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	11.9	28.3		1	WG2304548
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2304548
Benzene	71-43-2	78.10	0.200	0.639	0.420	1.34		1	WG2304548
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2304548
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2304548
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2304548
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2304548
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2304548
Carbon disulfide	75-15-0	76.10	0.400	1.24	ND	ND		1	WG2304548
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2304548
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2304548
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2304548
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2304548
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2304548
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2304548
Cyclohexane	110-82-7	84.20	0.200	0.689	0.806	2.78		1	WG2304548
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2304548
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2304548
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2304548
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2304548
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2304548
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2304548
1,1-Dichloroethane	75-34-3	98	0.200	0.802	13.2	52.9		1	WG2304548
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2304548
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	0.215	0.852		1	WG2304548
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2304548
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2304548
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2304548
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2304548
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2304548
Ethanol	64-17-5	46.10	2.50	4.71	7.52	14.2		1	WG2304548
Ethylbenzene	100-41-4	106	0.200	0.867	0.430	1.86		1	WG2304548
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2304548
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2304548
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.258	1.28		1	WG2304548
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2304548
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2304548
Heptane	142-82-5	100	0.200	0.818	0.435	1.78		1	WG2304548
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2304548
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2304548
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2304548
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2304548
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2304548
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	3.98	11.7		1	WG2304548
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2304548
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2304548
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2304548
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2304548
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2304548
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2304548
Styrene	100-42-5	104	0.400	1.70	ND	ND		1	WG2304548
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2304548
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2304548
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2304548
Toluene	108-88-3	92.10	0.500	1.88	1.07	4.03	B	1	WG2304548
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2304548



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	5.86	31.9		1	WG2304548
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2304548
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2304548
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.832	4.08		1	WG2304548
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.249	1.22		1	WG2304548
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	3.62	16.9		1	WG2304548
Vinyl chloride	75-01-4	62.50	0.200	0.511	15.7	40.1		1	WG2304548
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2304548
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2304548
Xylenes, Total	1330-20-7	106.16	0.600	2.61	2.57	11.2		1	WG2304548
m&p-Xylene	179601-23-1	106	0.400	1.73	1.82	7.89		1	WG2304548
o-Xylene	95-47-6	106	0.200	0.867	0.750	3.25		1	WG2304548
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		98.3				WG2304548

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	34.0	80.8		1	WG2304548
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2304548
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2304548
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2304548
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2304548
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2304548
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2304548
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2304548
Carbon disulfide	75-15-0	76.10	0.400	1.24	ND	ND		1	WG2304548
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2304548
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2304548
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2304548
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2304548
Chloromethane	74-87-3	50.50	0.200	0.413	0.204	0.421		1	WG2304548
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2304548
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2304548
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2304548
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2304548
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2304548
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2304548
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2304548
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2304548
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2304548
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2304548
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2304548
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2304548
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2304548
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2304548
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2304548
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2304548
Ethanol	64-17-5	46.10	2.50	4.71	28.5	53.7		1	WG2304548
Ethylbenzene	100-41-4	106	0.200	0.867	0.639	2.77		1	WG2304548
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2304548
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.223	1.25		1	WG2304548
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.416	2.06		1	WG2304548
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2304548
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2304548
Heptane	142-82-5	100	0.200	0.818	0.465	1.90		1	WG2304548
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2304548
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2304548
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2304548
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.202	0.701		1	WG2304548
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2304548
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	9.08	26.8		1	WG2304548
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	2.23	9.13		1	WG2304548
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2304548
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2304548
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2304548
2-Propanol	67-63-0	60.10	1.25	3.07	1.90	4.67		1	WG2304548
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2304548
Styrene	100-42-5	104	0.400	1.70	ND	ND		1	WG2304548
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2304548
Tetrachloroethylene	127-18-4	166	0.200	1.36	1.26	8.55		1	WG2304548
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	10.2	30.1		1	WG2304548
Toluene	108-88-3	92.10	0.500	1.88	1.99	7.50	<u>B</u>	1	WG2304548
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2304548

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2304548
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2304548
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2304548
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.727	3.57		1	WG2304548
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.227	1.11		1	WG2304548
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2304548
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2304548
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2304548
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2304548
Xylenes, Total	1330-20-7	106.16	0.600	2.61	3.57	15.5		1	WG2304548
m&p-Xylene	179601-23-1	106	0.400	1.73	2.55	11.1		1	WG2304548
o-Xylene	95-47-6	106	0.200	0.867	1.02	4.42		1	WG2304548
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		102				WG2304548

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	31.6	75.1		1	WG2304548
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2304548
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2304548
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2304548
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2304548
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2304548
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2304548
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2304548
Carbon disulfide	75-15-0	76.10	0.400	1.24	4.34	13.5		1	WG2304548
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2304548
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2304548
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2304548
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2304548
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2304548
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2304548
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2304548
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2304548
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2304548
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2304548
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2304548
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2304548
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2304548
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2304548
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2304548
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2304548
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2304548
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2304548
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2304548
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2304548
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2304548
Ethanol	64-17-5	46.10	2.50	4.71	40.9	77.1		1	WG2304548
Ethylbenzene	100-41-4	106	0.200	0.867	0.630	2.73		1	WG2304548
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2304548
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2304548
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.326	1.61		1	WG2304548
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2304548
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2304548
Heptane	142-82-5	100	0.200	0.818	0.526	2.15		1	WG2304548
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2304548
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2304548
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2304548
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.858	2.98		1	WG2304548
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2304548
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	8.38	24.7		1	WG2304548
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	1.37	5.61		1	WG2304548
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2304548
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2304548
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2304548
2-Propanol	67-63-0	60.10	1.25	3.07	3.80	9.34		1	WG2304548
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2304548
Styrene	100-42-5	104	0.400	1.70	ND	ND		1	WG2304548
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2304548
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.200	1.36		1	WG2304548
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	12.5	36.9		1	WG2304548
Toluene	108-88-3	92.10	0.500	1.88	2.03	7.65	<u>B</u>	1	WG2304548
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2304548

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2304548
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2304548
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2304548
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.988	4.85		1	WG2304548
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.305	1.50		1	WG2304548
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2304548
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2304548
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2304548
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2304548
Xylenes, Total	1330-20-7	106.16	0.600	2.61	3.68	16.0		1	WG2304548
m&p-Xylene	179601-23-1	106	0.400	1.73	2.63	11.4		1	WG2304548
o-Xylene	95-47-6	106	0.200	0.867	1.05	4.55		1	WG2304548
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		101				WG2304548

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	20.6	49.0		1	WG2304548
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2304548
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2304548
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2304548
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2304548
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2304548
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2304548
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2304548
Carbon disulfide	75-15-0	76.10	0.400	1.24	1.41	4.39		1	WG2304548
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2304548
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2304548
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2304548
Chloroform	67-66-3	119	0.200	0.973	0.225	1.10		1	WG2304548
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2304548
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2304548
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2304548
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2304548
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2304548
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2304548
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2304548
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2304548
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2304548
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2304548
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2304548
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2304548
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2304548
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2304548
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2304548
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2304548
1,4-Dioxane	123-91-1	88.10	0.630	2.27	0.670	2.41		1	WG2304548
Ethanol	64-17-5	46.10	2.50	4.71	18.8	35.4		1	WG2304548
Ethylbenzene	100-41-4	106	0.200	0.867	1.02	4.42		1	WG2304548
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.282	1.38		1	WG2304548
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.361	2.03		1	WG2304548
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.451	2.23		1	WG2304548
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	0.260	1.99		1	WG2304548
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2304548
Heptane	142-82-5	100	0.200	0.818	0.304	1.24		1	WG2304548
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2304548
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2304548
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2304548
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2304548
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2304548
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	8.76	25.8		1	WG2304548
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	1.81	7.41		1	WG2304548
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2304548
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2304548
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2304548
2-Propanol	67-63-0	60.10	1.25	3.07	3.21	7.89		1	WG2304548
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2304548
Styrene	100-42-5	104	0.400	1.70	ND	ND		1	WG2304548
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2304548
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.258	1.75		1	WG2304548
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	11.3	33.3		1	WG2304548
Toluene	108-88-3	92.10	0.500	1.88	2.01	7.57	B	1	WG2304548
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2304548

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2304548
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2304548
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2304548
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	1.95	9.57		1	WG2304548
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.530	2.60		1	WG2304548
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2304548
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2304548
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2304548
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2304548
Xylenes, Total	1330-20-7	106.16	0.600	2.61	6.00	26.1		1	WG2304548
m&p-Xylene	179601-23-1	106	0.400	1.73	4.04	17.5		1	WG2304548
o-Xylene	95-47-6	106	0.200	0.867	1.96	8.50		1	WG2304548
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		106				WG2304548

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4081745-3 06/13/24 11:23

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
1,3-Butadiene	U		0.104	2.00
Carbon disulfide	U		0.102	0.400
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	U		0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4081745-3 06/13/24 11:23

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.400
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	0.285	U	0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
Xylenes, Total	U		0.135	0.600
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	88.3			60.0-140

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4081745-1 06/13/24 09:36 • (LCSD) R4081745-2 06/13/24 10:31

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.51	3.55	93.6	94.7	70.0-130			1.13	25
Allyl chloride	3.75	4.23	4.40	113	117	70.0-130			3.94	25
Benzene	3.75	4.00	3.85	107	103	70.0-130			3.82	25
Benzyl Chloride	3.75	3.67	3.65	97.9	97.3	70.0-152			0.546	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4081745-1 06/13/24 09:36 • (LCSD) R4081745-2 06/13/24 10:31

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Bromodichloromethane	3.75	3.91	3.80	104	101	70.0-130			2.85	25
Bromoform	3.75	3.97	4.09	106	109	70.0-130			2.98	25
Bromomethane	3.75	3.87	3.65	103	97.3	70.0-130			5.85	25
1,3-Butadiene	3.75	3.57	3.30	95.2	88.0	70.0-130			7.86	25
Carbon disulfide	7.50	8.15	7.35	109	98.0	70.0-130			10.3	25
Carbon tetrachloride	3.75	4.15	3.87	111	103	70.0-130			6.98	25
Chlorobenzene	3.75	3.97	4.02	106	107	70.0-130			1.25	25
Chloroethane	3.75	4.04	3.46	108	92.3	70.0-130			15.5	25
Chloroform	3.75	4.15	3.87	111	103	70.0-130			6.98	25
Chloromethane	3.75	4.07	3.94	109	105	70.0-130			3.25	25
2-Chlorotoluene	3.75	4.26	4.04	114	108	70.0-130			5.30	25
Cyclohexane	3.75	4.27	4.04	114	108	70.0-130			5.54	25
Dibromochloromethane	3.75	3.90	3.71	104	98.9	70.0-130			4.99	25
1,2-Dibromoethane	3.75	4.04	3.81	108	102	70.0-130			5.86	25
1,2-Dichlorobenzene	3.75	4.10	4.08	109	109	70.0-130			0.489	25
1,3-Dichlorobenzene	3.75	4.36	4.46	116	119	70.0-130			2.27	25
1,4-Dichlorobenzene	3.75	4.39	4.38	117	117	70.0-130			0.228	25
1,2-Dichloroethane	3.75	4.01	3.97	107	106	70.0-130			1.00	25
1,1-Dichloroethane	3.75	4.06	3.96	108	106	70.0-130			2.49	25
1,1-Dichloroethene	3.75	4.07	3.87	109	103	70.0-130			5.04	25
cis-1,2-Dichloroethene	3.75	4.10	3.94	109	105	70.0-130			3.98	25
trans-1,2-Dichloroethene	3.75	4.05	3.91	108	104	70.0-130			3.52	25
1,2-Dichloropropane	3.75	3.92	3.89	105	104	70.0-130			0.768	25
cis-1,3-Dichloropropene	3.75	3.99	3.95	106	105	70.0-130			1.01	25
trans-1,3-Dichloropropene	3.75	3.96	4.00	106	107	70.0-130			1.01	25
1,4-Dioxane	3.75	4.33	4.11	115	110	70.0-140			5.21	25
Ethanol	3.75	3.48	3.85	92.8	103	55.0-148			10.1	25
Ethylbenzene	3.75	4.18	4.09	111	109	70.0-130			2.18	25
4-Ethyltoluene	3.75	3.96	3.90	106	104	70.0-130			1.53	25
Trichlorofluoromethane	3.75	3.98	3.85	106	103	70.0-130			3.32	25
Dichlorodifluoromethane	3.75	4.08	4.01	109	107	64.0-139			1.73	25
1,1,2-Trichlorotrifluoroethane	3.75	4.15	4.03	111	107	70.0-130			2.93	25
1,2-Dichlorotetrafluoroethane	3.75	4.04	3.95	108	105	70.0-130			2.25	25
Heptane	3.75	3.94	3.77	105	101	70.0-130			4.41	25
Hexachloro-1,3-butadiene	3.75	3.88	3.95	103	105	70.0-151			1.79	25
n-Hexane	3.75	4.10	4.03	109	107	70.0-130			1.72	25
Isopropylbenzene	3.75	4.14	4.05	110	108	70.0-130			2.20	25
Methylene Chloride	3.75	3.92	3.84	105	102	70.0-130			2.06	25
Methyl Butyl Ketone	3.75	4.00	3.73	107	99.5	70.0-149			6.99	25
2-Butanone (MEK)	3.75	3.96	4.29	106	114	70.0-130			8.00	25

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4081745-1 06/13/24 09:36 • (LCSD) R4081745-2 06/13/24 10:31

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	3.75	3.73	3.68	99.5	98.1	70.0-139			1.35	25
Methyl methacrylate	3.75	4.32	3.96	115	106	70.0-130			8.70	25
MTBE	3.75	4.02	3.95	107	105	70.0-130			1.76	25
Naphthalene	3.75	3.85	3.99	103	106	70.0-159			3.57	25
2-Propanol	3.75	3.64	3.59	97.1	95.7	70.0-139			1.38	25
Propene	3.75	3.89	3.71	104	98.9	64.0-144			4.74	25
Styrene	7.50	8.89	8.93	119	119	70.0-130			0.449	25
1,1,2,2-Tetrachloroethane	3.75	3.72	3.64	99.2	97.1	70.0-130			2.17	25
Tetrachloroethylene	3.75	4.19	4.12	112	110	70.0-130			1.68	25
Tetrahydrofuran	3.75	4.03	3.94	107	105	70.0-137			2.26	25
Toluene	3.75	3.61	3.41	96.3	90.9	70.0-130			5.70	25
1,2,4-Trichlorobenzene	3.75	3.79	3.93	101	105	70.0-160			3.63	25
1,1,1-Trichloroethane	3.75	4.05	4.03	108	107	70.0-130			0.495	25
1,1,2-Trichloroethane	3.75	3.87	3.91	103	104	70.0-130			1.03	25
Trichloroethylene	3.75	3.94	3.96	105	106	70.0-130			0.506	25
1,2,4-Trimethylbenzene	3.75	4.02	3.91	107	104	70.0-130			2.77	25
1,3,5-Trimethylbenzene	3.75	4.17	4.11	111	110	70.0-130			1.45	25
2,2,4-Trimethylpentane	3.75	4.18	4.04	111	108	70.0-130			3.41	25
Vinyl chloride	3.75	3.98	3.65	106	97.3	70.0-130			8.65	25
Vinyl Bromide	3.75	4.18	4.15	111	111	70.0-130			0.720	25
Vinyl acetate	3.75	3.95	4.05	105	108	70.0-130			2.50	25
Xylenes, Total	11.3	13.0	12.7	115	112	70.0-130			2.33	25
m&p-Xylene	7.50	8.67	8.46	116	113	70.0-130			2.45	25
o-Xylene	3.75	4.34	4.22	116	113	70.0-130			2.80	25
(S) 1,4-Bromofluorobenzene				104	103	60.0-140				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

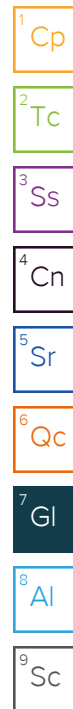
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.



ACCREDITATIONS & LOCATIONS

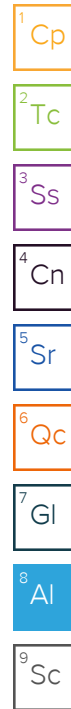
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



MEMORANDUM

TO: Project File **DATE:** July 9, 2024

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: American Linen Data Validation

PROJECT #: 443022-1413001.10.701.04 (American Linen) and 443022-1413001.10.603.04 (Mercer Block)

TASK: EIM Data Validation Level EPA2A for Group 1, 2nd Quarter, May - June 2024

LAB: Pace Sample Delivery Group (SDGs): L1739256, L1739788, L1740435, L1740722, L1740759, L1741126, and L1741135

Ninety-eight groundwater samples (including four field duplicate pairs), one equipment blank, and five trip blanks were collected May 21-24, and 28, 2024, from monitoring wells associated with the second quarter sampling event at American Linen and the Mercer Block Sites in Seattle, WA. The samples were shipped and delivered to Pace Lab Sciences (Pace) of Mount Juliet, TN for laboratory analysis. Selected samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260D
- VOCs (dissolved gases – methane, ethane, and ethene) by EPA SOP RSK 175
- Anion (sulfate) by USEPA Method 9056A
- Total Organic Carbon (TOC) by USEPA Method 9060A
- Metals (iron and manganese) by USEPA Method 6020B

The Q2 2024 RI sampling event (including soil vapor samples) was conducted in May and June of 2024. Results for soil vapor samples are reported in three SDGs by Pace. Second quarter analytical results for groundwater are reported in eleven SDGs and were validated in two groups. Group 1 consists of seven SDGs and includes samples collected from monitoring wells located at both American Linen and Mercer Block Sites. The quality assurance review of the laboratory data associated with Group 1 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with Pace control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA National Functional Guidelines (NFG) for Superfund Organic Methods Data Review (USEPA, 2020) and USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020). Following Guidelines, non-project-specific laboratory duplicates and matrix spike results were not evaluated as part of this data validation.

DATA VALIDATION

Completeness

The samples were collected and analyzed as requested with the following issues:

- SDG L1739256: Review of chain of custody shows sample identifications as MW-108-052124, MW-122-052124, MW-109-052124, MW-103-052124, MW-121-052124, MW-120-052124, and MW-127-052124 (SDG L1739256-01, -04, -08, -09, -11, -15, and -16). Per NV5 request Pace revised sample identifications to read MW108-052124, MW122-052124, MW109-052124, MW103-052124, MW121-052124, MW120-052124, and MW127-052124.
- SDG L1739788: Review of chain of custody shows sample identifications as MW-111-052224, MW-110-052224, and MW-139 -052224 (SDG L1739788-01, -04, -08, -09, -11, -15, and -16). Per NV5 request Pace revised sample identifications to read MW-111-052224, MW-110-052224, and MW-319-052224. NV5 also requested that Pace remove extra spaces within the sample identifications for samples MW104-052224, MW107-052224, and MW105-052224.
- SDG L1740435: Review of chain of custody shows sample identifications as MW-116-052324, EI-MW-1-052324, and MW-128-052324 (SDG L1740435-11, -12, and -17). Per NV5 request Pace revised sample identifications to read MW116-052324, GEI-MW-1-052324, and MW128-052324.
- SDG L1740722: Review of chain of custody shows sample identified as MW-119-052424 (SDG L1740722-01). Per NV5 request Pace revised sample identification to read MW119-052424.
- SDG L1741126: Review of chain of custody shows samples as MW-124-052824 and MW-102-052824 (SDG L1741126-15, and -16). Per NV5 request Pace revised sample identifications to read MW124-052824 and MW102-052824.

Sample Collection and Preservation

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice in coolers and delivered by courier to the analytical laboratory. The laboratory reported that the coolers were received at a cooler temperature less than the recommended temperature preservation of 6°C. The samples were received in good condition. No data are qualified based upon the sample collection and preservation information with the following exceptions:

- SDG L1739788: Review of the case narrative indicates that sample W-MW-01-052224 pH exceeded recommended preservation criteria ($\text{pH} < 2$) for VOCs by EPA Method 8260D. Refer to the section on Holding Times for additional details.

- SDG L1740435: Review of the case narrative indicates that sample MW-179-052324 pH exceeded recommended preservation criteria ($\text{pH} < 2$) for VOCs by EPA Method 8260D. Refer to the section on Holding Times for additional details.
- SDG L1740759: Review of the case narrative indicates that samples MW-343-052424 and MW115-052424 pH exceeded recommended preservation criteria ($\text{pH} < 2$) for VOCs by EPA Method 8260D. Refer to the section on Holding Times for additional details.
- SDG L1741126: Review of the case narrative indicates that sample MW-174-052824 pH exceeded recommended preservation criteria ($\text{pH} < 2$) for VOCs by EPA Method 8260D. Refer to the section on Holding Times for additional details.

Holding Times

USEPA Method 8260D:

The samples were analyzed for VOCs within the EPA recommended holding time of fourteen days for preserved waters (7 days for unpreserved waters) from the date of collection. All holding time criteria are met with the following exceptions:

- SDG L1739788: **VOC results for sample W-MW-01-052224 are estimated and qualified (UJ/J) because analysis was performed 1.5 days past the recommended seven day hold time for an unpreserved sample.**
- SDG L1740435: **VOC results for sample MW-179-052324 are estimated and qualified (UJ/J) because analysis was performed 1.5 days past the recommended seven day hold time for an unpreserved sample.**
- SDG L1740722: Samples MW-335-052424 and MW-326R-052424 were reanalyzed for cis-1,2-dichloroethene, tetrachloroethene, and trichloroethene 2.5 days past the fourteen-day recommended hold time and laboratory qualified (T8). Sample MW-335-052424 was diluted and reanalyzed due to high concentrations of target analytes. Sample MW-326R-052424 was reanalyzed to confirm that there was no carryover from sample MW-335-052424. **Sample MW-335-052424 and MW-326R-052424 results for cis-1,2-dichloroethene, tetrachloroethene, and trichloroethene are estimated and qualified (J/UJ) due to hold time exceedance.**
- SDG L1740759: **VOC results for samples MW-343-052424 and MW115-052424 are estimated and qualified (UJ/J) because analyses were performed 3 days past the recommended seven day hold time for an unpreserved sample.**
- SDG L1741126: VOC results for sample MW-174-052824 were analyzed within the recommended seven day hold time for an unpreserved sample. No action is required.

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:

The samples were analyzed within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria are met.

General Chemistry (Sulfate and TOC):

The samples were analyzed within the USEPA recommended holding time for sulfate (28 days) and TOC (28 days) for the preserved water sample from the date of sample collection. All holding time criteria are met.

USEPA Method 6020B:

All samples were analyzed within the USEPA recommended holding time for iron and manganese of 180 days for preserved waters from the date of sample collection.

Initial and Continuing Calibration

USEPA Method 8260D (VOCs):

Initial and continuing calibration data for this project are retained by the laboratory and available for review if necessary. Pace indicated within the laboratory report that continuing calibration verification (CCV) criteria for were not met for the following:

- Multiple SDGs: *USEPA Method 8260D* - Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in each SDG. These compounds are qualified by the laboratory “C3” to indicate that CCV percent differences (% Ds) are below laboratory acceptance criteria and showing potential low bias. **Associated sample results with laboratory qualified (C3) results are estimated with potential low bias and qualified (J-/UJ). Results reported below the RDL are estimated (J) and directional bias is not assigned.** In a few cases, due to other deficiencies, the reviewer applied a more stringent qualifier using qualifier hierarchy (U>J/UJ). Refer to trip blank results for additional information.
- Multiple SDGs: *USEPA Method 8260D* - Continuing calibration verification (CCV) issues were noted by Pace for several compounds. These compounds are qualified by the laboratory “C5” to indicate that CCV % Ds are above laboratory acceptance criteria and showing potential high bias. **Associated sample results (detects) with laboratory qualified (C5) results are estimated with potential high bias and qualified (J+).** In certain cases, due to QC deficiencies, the reviewer applied a more stringent qualifier using qualifier hierarchy (U>J/UJ). Refer to trip blank results for additional information.

Method Blank Results

USEPA Method 8260D:

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes are not detected in the method blanks at or above the reporting detection limits (RDLs) with the following exceptions:

- SDG L1739788 – Analytical batch WG2295127: Acetone is detected in the method blank at 0.705 µg/L and below the RDL 1.00 µg/L. Acetone is detected below the established action level (RDL) in samples MW-145R-052224 and MW-160-052224. **Acetone detections in samples MW-145R-052224 and MW-160-052224 are qualified as not detected (U) due to method blank contamination.**

- SDG L1739788 – Analytical batch WG2297632: p-Isopropyltoluene is detected in the method blank at 0.102 µg/L and below the RDL 0.200 µg/L. No action is needed since p-isopropyltoluene is not detected in the associated samples.
- SDG L1740435 – Analytical batch WG2296518: Chlorobenzene is detected in the method blank at 0.102 µg/L and below the RDL 0.100 µg/L. No action is needed since chlorobenzene is not detected in the associated samples.
- SDG L1740722: 1,2,4-Trimethylbenzene is detected at 0.0650 µg/L and below the RDL 0.200 µg/L. This compound is also detected in the associated method blank at 0.0780 µg/L. The associated blank with the highest concentration was used to evaluate the samples. 1,2,4-Trimethylbenzene is detected below the RDL (0.200 µg/L) in sample MW-326R-052424. **The 1,2,4-trimethylbenzene detection in sample MW-326R-052424 is qualified as not detected (U) due to method blank contamination.**

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (dissolved gases) are not detected in the method blanks at or above the RDLs.

General Chemistry (Sulfate and TOC) and Metals (Iron and Manganese):

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were detected in the method blanks below the RDLs. Per Guidance, no action is taken for blank detections less than the RDL when associated sample detections are greater than the RDL. Method blank detections are shown below:

SDG	Batch	Method	Analyte	Method Blank Result	Qualifier	RDL	Units	Associated Result(s) Qualified
L1739788	WG2300561	9060A	TOC	415	J	1000	µg/L	NO
L1740722	WG2305121	9060A	TOC	197	J	1000	µg/L	NO
L1741126	WG2306216	9060A	TOC	192	J	1000	µg/L	NO
L1741126	WG2306217	9060A	TOC	217	J	1000	µg/L	NO
L1741135	WG2306217	9060A	TOC	217	J	1000	µg/L	See Note

The target analytes were detected in the method blanks below the RDLs. No action is taken on this basis since associated sample results are greater than the RDLs with the following exceptions:

- Note. SDG L1741135: A low level of TOC is detected in sample MW-346-052824, field duplicate sample MW-988-052824, and in the associated blank. **Sample and field duplicate TOC results are estimated (J+) to indicate that the contamination in the method blank may have impacted the reported results.**

Trip Blank Results

USEPA Method 8260D:

Five trip blanks (TB-052124, TB-052224, TB-052324, TB-052424, and TB-052824) were collected and submitted for VOC analysis. Per Guidance, for common laboratory contaminants

(e.g., acetone), if the blank concentration is greater than the RDL and less than twice the blank result the common lab contaminant is qualified as non-detect (U). The target analytes are not detected in the trip blanks at or above the RDLs with the following exceptions:

- SDG L1739256: Acetone is detected in the trip blank (TB-052124) at 7.72 µg/L and above the RDL 1.00 µg/L. Acetone is detected below the established action level in samples MW-156-052124, MW109-052124, MW121-052124, MW-159-052124, and MW127-052124. **Acetone detections in the above-mentioned samples are qualified as not detected (U) due to trip blank contamination.** In these cases, due to other QC deficiencies, the reviewer applied a more stringent qualifier to acetone using qualifier hierarchy (U>J/UJ).
- SDG L1740435: Acetone is detected in the trip blank (TB-052324) at 7.60 µg/L and above the RDL 1.00 µg/L. Acetone is detected below the established action level in samples MW-190-052324, MW-341-052324, and MW116-052324. **Acetone detections in the above-mentioned samples are qualified as not detected (U) due to trip blank contamination.**
- SDG L1740722: Acetone is detected in the trip blank (TB-052424) at 5.03 µg/L and above the RDL 1.00 µg/L. Acetone is detected below the established action level in samples MW-143-052424, MW-176-052424, MW-180-052424, and MW-185-052424. **Acetone detections in the above-mentioned samples are qualified as not detected (U) due to trip blank contamination.**
- SDG L1740722: 1,2,4-Trimethylbenzene is detected in the trip blank (TB-052424) at 0.0650 µg/L and below the RDL (0.200 µg/L). 1,2,4-Trimethylbenzene is also detected in the associated method blank at 0.0780 ug/L. The higher of the two associated blanks was used for evaluation purposes. 1,2,4-Trimethylbenzene is detected below the RDL in sample MW-326R-052424. **1,2,4-Trimethylbenzene detection in sample MW-326R-052424 is qualified as not detected (U) due to method blank contamination.**
- SDG L1741126: Acetone is detected in the trip blank (TB-052824) at 3.49 µg/L and above the RDL (1.00 µg/L). Acetone is detected below the established action level in samples MW-167-052824, MW-165-052824, MW-173-052824, MW-174-052824, MW-175-052824, MW102-052824, and MW-166-052824. **Acetone detections in the above-mentioned samples are qualified as not detected (U) due to trip blank contamination.** For sample MW-167-052824 the reviewer applied a more stringent qualifier to acetone using qualifier hierarchy (U>J/UJ).
- SDG L1741126: Methylene chloride is detected at 0.286 µg/L and above the RDL (1.00 µg/L). No action is needed since methylene chloride is not detected in the associated samples.

Field, Rinsate, or Equipment Blank Results

All Analytical Methods:

One equipment blank (EQ-052424) was collected. Details are as follows:

SDG L1740722: The equipment blank (EQ-052424) is associated with sample MW119-052424 which was collected from the bladder pump on May 24, 2024. Sample MW119-052424 was analyzed for VOCs only whereas the equipment blank was analyzed for the full analytical suite. Low levels of VOCs (acetone, chloroform, and cis-1,2-dichloroethene) are detected in the equipment blank. Per Guidance, for common laboratory contaminants (e.g., acetone), if the blank concentration is greater than the RDL and less than twice the blank result the common lab contaminant is qualified as non-detect (U). Actions are as follows:

- Acetone is detected in the equipment blank at 1.96 µg/L and above the RDL (1.00 µg/L). Acetone is also detected in the trip blank. No action is needed since acetone is not detected in sample MW119-052424.
- Chloroform is detected in the equipment blank at 0.716 µg/L and above the RDL (0.100 µg/L). No action is needed since chloroform is not detected in sample MW119-052424.
- cis-1,2-Dichloroethene is detected in the equipment blank at 0.0710 µg/L and below the RDL (0.100 µg/L). No action is needed since the cis-1,2-dichloroethene is detected above the RDL in sample MW119-052424.

Field Duplicate Analyses

Field duplicate sample pairs are as follows:

- SDG L1739256: Samples MW-9-052124 and MW-986-052124
- SDG L1739788: Samples MW-161-052224 and MW-989-052224
- SDG L1741135: Samples MW-346-052824 and MW-988-052824
- SDG L1741126: Samples MW-168-052824 and MW-991-052824

Target analyte results are comparable and within a relative percent difference (RPD) of 30% (or $\pm 1 \times$ RDL for groundwater results $<5 \times$ the RDL) for the field duplicate pair with the following exceptions:

- SDG L1741135: Field duplicate pair (MW-346-052824 and MW-988-052824) absolute difference for acetone exceeds criteria ($\pm 1 \times$ RDL for groundwater results). **Acetone results for samples MW-346-052824 and MW-988-052824 are estimated (J/UJ).**

Laboratory Duplicate Analyses

USEPA Method 8260D:

Laboratory duplicate samples were not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) results for precision data.

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:

Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples. The primary/duplicate RPDs for dissolved gas analyses are within the laboratory control limit of 20%.

General Chemistry (Sulfate and TOC):

Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples. The primary/duplicate RPDs for general chemistry parameters are within the laboratory control RPD limits or $\pm 1x$ RDL for groundwater results $<5X$ the RDL with the following discussion:

- SDG L17040435: Laboratory duplicate analysis for sulfate by EPA Method 9056A was performed on sample MW-181-052324. Sample MW-181-052324 sulfate is laboratory qualified (P1) to indicate that the RPD exceeded acceptance criteria of 15%. No action is taken since the results are $<5X$ the RDL and the absolute difference between the results is within $\pm 1x$ RDL.

USEPA Method 6020B:

Laboratory duplicate samples were not analyzed. Refer to MS/MSD results for precision data.

Surrogate Recoveries

USEPA Method 8260D:

The surrogate recovery results for the samples, laboratory control samples, and the method blanks are within the laboratory surrogate control limits for all the analyses.

Laboratory Control Samples

USEPA Method 8260D:

Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) or laboratory control sample (LCS) were analyzed by USEPA Method 8260D method. The LCS % Rs or LCS/LCSD % Rs and RPDs for all target compounds are within the laboratory control criteria for waters with the following exceptions:

- SDG L1739256 – Analytical batch WG2293937: The LCS % R result for acetone exceeds laboratory acceptance criteria and is laboratory qualified (J4). No action is taken on this basis since the LCSD % R and RPD are within acceptance criteria. LCS/LCSD RPDs for acrylonitrile, 2-butanone (MEK), naphthalene, and 1,2,3-trichlorobenzene exceed laboratory acceptance criteria and associated results are laboratory qualified (J3). No action is needed since associated target LCS/LCSD % Rs are within laboratory acceptance criteria.
- Multiple SDGs – multiple analytical batches: LCS/LCSD results for trichlorofluoromethane are estimated and (J) qualified by the laboratory. Per Pace, the wrong RDL was entered into the QC list for ultra-low-level VOCs. No action is taken since trichlorofluoromethane LCS and LCS/LCSD recoveries are within laboratory acceptance criteria.
- SDG L1739788 – Analytical batch WG2295127: LCS % R results for chloroethane and tetrahydrofuran exceed acceptance criteria and associated results are laboratory qualified (J4). No action is needed for samples MW-145R-052224 and MW-160-052224 since chloroethane and tetrahydrofuran are not detected in the associated samples. No action is

required for sample MW-144R-052224 as chloroethane is not detected and tetrahydrofuran is detected below the RDL and already qualified as estimated (J).

- SDG L1739788 – Analytical batch WG2295881: LCS/LCSD % R results for naphthalene, 1,2,3-trichlorobenzene, and 1,2,4-trichlorobenzene are below acceptance criteria and associated results are laboratory qualified (J4). All associated results (SDG L1739788-06-22) are non-detected for these analytes, are already estimated and qualified (UJ) due to low continuing calibration recovery. No action is taken on this basis.
- SDG L1739788 – Analytical batch WG2297632: LCS/LCSD RPD results for bromomethane, tetrahydrofuran, and Trans-1,4-dichloro-2-butene exceed laboratory acceptance criteria and associated results are laboratory qualified (J3). No action is needed since bromomethane and *Trans*-1,4-dichloro-2-butene LCS/LCSD % Rs are within laboratory acceptance criteria. LCSD % R and RPD for tetrahydrofuran exceed acceptance criteria and results are laboratory qualified (J3, J4). No action is needed since tetrahydrofuran is not detected in the associated samples (MW111-052224 and MW-313-052224).
- SDG L1740435 – Analytical batch WG2296518: LCS or LCS/LCSD % R results for naphthalene, 1,2,3-trichlorobenzene, and 1,2,4-trichlorobenzene are below acceptance criteria and associated results are laboratory qualified (J4). All associated results (SDG L1740435-01-14) are non-detected for these analytes, are already estimated and qualified (UJ) due to low continuing calibration recovery. No action is taken on this basis.
- SDG L1740722– Analytical batch WG2297215: LCS/LCSD RPD result for bromomethane exceeds laboratory acceptance criteria and associated results are laboratory qualified (J3). No action is needed since bromomethane LCS/LCSD % Rs are within laboratory acceptance criteria.
- SDGs L1740759 and L1741126 – Analytical batch WG2297221: LCS/LCSD RPDs for hexachloro-1,3-butadiene, naphthalene, 1,2,4-trichlorobenzene, and Trans-1,4-dichloro-2-butene exceed laboratory acceptance criteria and associated results are laboratory qualified (J3). No action is needed since associated target LCS/LCSD % Rs are within laboratory acceptance criteria.
- SDG L1740759 and L1741126 – Analytical batch WG2297221: The LCS % R result for bromomethane is below laboratory acceptance criteria and is laboratory qualified (J4). No action is taken on this basis since the LCSD % R and RPD are within acceptance criteria.
- SDGs L1740759 and L1741126 – Analytical batch WG2297221: The LCS % R result for 1,2,3-trichlorobenzene is above laboratory acceptance criteria and is laboratory qualified (J4). The LCS/LCSD RPD for 1,2,3-trichlorobenzene exceeds laboratory acceptance criteria and associated results are laboratory qualified (J3). No action is taken on this basis since is not detected in the associated samples.

- SDGs L1741126 and L1741135 – Analytical batch WG2298539: LCS/LCSD RPDs for bromomethane, carbon disulfide, chloroethane, chloromethane, dichlorodifluoromethane, n-hexane, and vinyl chloride exceed laboratory acceptance criteria and associated results are laboratory qualified (J3). No action is needed since associated target LCS/LCSD % Rs are within laboratory acceptance criteria.

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:

The LCS/LCSD % Rs and RPDs for the target compound (dissolved gases) are within the laboratory control criteria for waters.

General Chemistry (Sulfate and TOC) and Metals (Iron and Manganese):

The LCS % Rs for general chemistry parameters are within the laboratory control criteria for waters.

Matrix Spike/Matrix Spike Duplicates

USEPA Method 8260D:

Matrix spike/matrix spike duplicate (MS/MSD) analyses were not performed. Refer to laboratory control sample results for precision and accuracy results.

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:

MS/MSD analyses were performed on non-client samples within select analytical batches. The MS/MSD % Rs and RPDs are acceptable and within laboratory control limit criteria for water samples. No action is taken for MS/MSD % Rs and RPDs outside of acceptance criteria since matrix spike analysis was performed on non-client samples. Refer to laboratory control sample and laboratory duplicate results for precision and accuracy results.

General Chemistry (Sulfate and TOC), and Metals (Iron and Manganese):

MS or MS/MSD analyses were performed on client and/or on non-client samples within the analytical batches. The MS % Rs, MS/MSD % Rs and RPDs are acceptable and within laboratory control limit criteria for water samples with the following discussion:

- SDG L1740435: Metals (manganese and iron) MS/MSD analyses were performed on samples MW-182-052324 and MW-181-052324. Manganese and iron MS and/or MSD % Rs are outside of acceptance criteria however, per NFG, no action is needed since sample MW-182-052324 and MW-181-052324 manganese and iron sample concentrations are four times greater than the spiked amount.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- Electronic data deliverables (EDDs) for these SDGs were provided by the laboratory and data validator qualifiers were entered. In ten cases different chemical synonyms are used between the EDD and the hardcopy, but the associated Chemical Abstracts Service (CAS) numbers are provided in the EDD to confirm chemical identifications.

Compound Identification and Quantitation Limits

Results of the analyses are reported based on laboratory RDLs for all compounds. RDLs for all targets or selected compounds are elevated in several samples due to method-required dilutions with the following discussion:

- SDG L1739256: Laboratory narrative indicates that sample MW103-052124 for VOC analyses was diluted (twenty-fold) due to elevated target analytes. The laboratory was unable to analyze the sample at a lower dilution due to the elevated concentrations of select target compounds. No action is taken on this basis.

Per NV5 request the associated EDDs show result reporting limits (also known as reported detection limit (RDL) or practical quantitation limit (PQL)) and result detection limits (also referred to as method detection limit (MDL)) instead of defaulting to the RDL when reporting the MDL

Data Assessment

The laboratory data reported for this project were reviewed based on the criteria outlined in:

- USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020); and
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020).

Data qualifiers are assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfate	60700		594	5000	1	06/20/2024 03:14	WG2306755

¹ Cp

² Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	10000		102	1000	1	06/17/2024 04:50	WG2306217

³ Ss

⁴ Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Iron	1220		28.1	100	1	06/24/2024 21:05	WG2300935
Manganese	77.1		0.704	5.00	1	06/24/2024 21:05	WG2300935

⁵ Sr

⁶ Qc

⁷ Gl

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methane	30400		2.87	6.78	10	06/04/2024 16:01	WG2298329
Ethane	6.35		0.296	1.29	1	06/04/2024 12:11	WG2297123
Ethene	82.3		0.422	1.27	1	06/04/2024 12:11	WG2297123

⁸ Al

⁹ Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	8.55		0.548	1.00	1	06/05/2024 08:12	WG2298539
Acrylonitrile	U		0.0760	0.500	1	06/05/2024 08:12	WG2298539
Benzene	0.0210	J	0.0160	0.0400	1	06/05/2024 08:12	WG2298539
Bromobenzene	U		0.0420	0.500	1	06/05/2024 08:12	WG2298539
Bromochloromethane	U		0.0452	0.200	1	06/05/2024 08:12	WG2298539
Bromodichloromethane	U		0.0315	0.100	1	06/05/2024 08:12	WG2298539
Bromoform	U		0.239	1.00	1	06/05/2024 08:12	WG2298539
Bromomethane	U	J3	0.148	0.500	1	06/05/2024 08:12	WG2298539
n-Butylbenzene	U		0.153	0.500	1	06/05/2024 08:12	WG2298539
sec-Butylbenzene	U		0.101	0.500	1	06/05/2024 08:12	WG2298539
tert-Butylbenzene	U		0.0620	0.200	1	06/05/2024 08:12	WG2298539
Carbon disulfide	0.624	J3	0.162	0.500	1	06/05/2024 08:12	WG2298539
Carbon tetrachloride	U		0.0432	0.200	1	06/05/2024 08:12	WG2298539
Chlorobenzene	U		0.0229	0.100	1	06/05/2024 08:12	WG2298539
Chlorodibromomethane	U		0.0180	0.100	1	06/05/2024 08:12	WG2298539
Chloroethane	U	J3	0.0432	0.200	1	06/05/2024 08:12	WG2298539
Chloroform	U		0.0166	0.100	1	06/05/2024 08:12	WG2298539
Chloromethane	U	J3	0.0556	0.500	1	06/05/2024 08:12	WG2298539
2-Chlorotoluene	U		0.0368	0.100	1	06/05/2024 08:12	WG2298539
4-Chlorotoluene	U		0.0452	0.200	1	06/05/2024 08:12	WG2298539
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/05/2024 08:12	WG2298539
1,2-Dibromoethane	U		0.0210	0.100	1	06/05/2024 08:12	WG2298539
Dibromomethane	U		0.0400	0.200	1	06/05/2024 08:12	WG2298539
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/05/2024 08:12	WG2298539
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/05/2024 08:12	WG2298539
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/05/2024 08:12	WG2298539
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/05/2024 08:12	WG2298539
Dichlorodifluoromethane	U	J3	0.0327	0.200	1	06/05/2024 08:12	WG2298539
1,1-Dichloroethane	U		0.0230	0.100	1	06/05/2024 08:12	WG2298539
1,2-Dichloroethane	U		0.0190	0.100	1	06/05/2024 08:12	WG2298539
1,1-Dichloroethene	U		0.0200	0.100	1	06/05/2024 08:12	WG2298539

JC 7/10/24

MW-348-052824

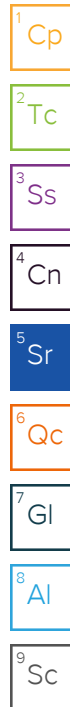
SAMPLE RESULTS - 01

Collected date/time: 05/28/24 10:00

L1741135

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	6.90		0.0276	0.100	1	06/05/2024 08:12	WG2298539
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/05/2024 08:12	WG2298539
1,2-Dichloropropane	U		0.0508	0.200	1	06/05/2024 08:12	WG2298539
1,1-Dichloropropene	U		0.0280	0.100	1	06/05/2024 08:12	WG2298539
1,3-Dichloropropane	U		0.0700	0.200	1	06/05/2024 08:12	WG2298539
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/05/2024 08:12	WG2298539
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/05/2024 08:12	WG2298539
2,2-Dichloropropane	U		0.0317	0.100	1	06/05/2024 08:12	WG2298539
Di-isopropyl ether	U		0.0140	0.0400	1	06/05/2024 08:12	WG2298539
Ethylbenzene	U		0.0212	0.100	1	06/05/2024 08:12	WG2298539
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/05/2024 08:12	WG2298539
2-Hexanone	U		0.400	1.00	1	06/05/2024 08:12	WG2298539
n-Hexane	U	~~J3~~	0.0424	0.200	1	06/05/2024 08:12	WG2298539
Iodomethane	U		0.242	0.500	1	06/05/2024 08:12	WG2298539
Isopropylbenzene	U		0.0345	0.100	1	06/05/2024 08:12	WG2298539
p-Isopropyltoluene	U		0.0932	0.200	1	06/05/2024 08:12	WG2298539
2-Butanone (MEK)	U		0.500	1.00	1	06/05/2024 08:12	WG2298539
Methylene Chloride	U		0.265	1.00	1	06/05/2024 08:12	WG2298539
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/05/2024 08:12	WG2298539
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/05/2024 08:12	WG2298539
Naphthalene	U		0.124	0.500	1	06/05/2024 08:12	WG2298539
n-Propylbenzene	U		0.0472	0.200	1	06/05/2024 08:12	WG2298539
Styrene	U		0.109	0.500	1	06/05/2024 08:12	WG2298539
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/05/2024 08:12	WG2298539
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/05/2024 08:12	WG2298539
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/05/2024 08:12	WG2298539
Tetrachloroethene	U		0.0280	0.100	1	06/05/2024 08:12	WG2298539
Toluene	U		0.0500	0.200	1	06/05/2024 08:12	WG2298539
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/05/2024 08:12	WG2298539
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/05/2024 08:12	WG2298539
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/05/2024 08:12	WG2298539
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/05/2024 08:12	WG2298539
Trichloroethene	0.165		0.0160	0.0400	1	06/05/2024 08:12	WG2298539
Trichlorofluoromethane	U		0.0200	0.100	1	06/05/2024 08:12	WG2298539
1,2,3-Trichloropropane	U		0.204	0.500	1	06/05/2024 08:12	WG2298539
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/05/2024 08:12	WG2298539
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/05/2024 08:12	WG2298539
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/05/2024 08:12	WG2298539
Vinyl acetate	U		0.141	0.500	1	06/05/2024 08:12	WG2298539
Vinyl chloride	17.4	~~J3~~	0.0273	0.100	1	06/05/2024 08:12	WG2298539
Xylenes, Total	U		0.191	0.260	1	06/05/2024 08:12	WG2298539
(S) Toluene-d8	100			75.0-131		06/05/2024 08:12	WG2298539
(S) 4-Bromofluorobenzene	103			67.0-138		06/05/2024 08:12	WG2298539
(S) 1,2-Dichloroethane-d4	93.6			70.0-130		06/05/2024 08:12	WG2298539



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PAGE:

6 of 25

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Sulfate	5980		594	5000	1	06/20/2024 03:26	WG2306755

Wet Chemistry by Method 9060A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2630		102	1000	1	06/17/2024 05:06	WG2306217

Metals (ICPMS) by Method 6020B

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Iron	907		28.1	100	1	06/24/2024 21:08	WG2300935
Manganese	35.0		0.704	5.00	1	06/24/2024 21:08	WG2300935

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Methane	5720		0.287	0.678	1	06/04/2024 12:18	WG2297123
Ethane	U		0.296	1.29	1	06/04/2024 12:18	WG2297123
Ethene	3.76		0.422	1.27	1	06/04/2024 12:18	WG2297123

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

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Acetone	76.2		0.548	1.00	1	06/05/2024 08:32	WG2298539
Acrylonitrile	U		0.0760	0.500	1	06/05/2024 08:32	WG2298539
Benzene	U		0.0160	0.0400	1	06/05/2024 08:32	WG2298539
Bromobenzene	U		0.0420	0.500	1	06/05/2024 08:32	WG2298539
Bromochloromethane	U		0.0452	0.200	1	06/05/2024 08:32	WG2298539
Bromodichloromethane	U		0.0315	0.100	1	06/05/2024 08:32	WG2298539
Bromoform	U		0.239	1.00	1	06/05/2024 08:32	WG2298539
Bromomethane	U	~~JS~~	0.148	0.500	1	06/05/2024 08:32	WG2298539
n-Butylbenzene	U		0.153	0.500	1	06/05/2024 08:32	WG2298539
sec-Butylbenzene	U		0.101	0.500	1	06/05/2024 08:32	WG2298539
tert-Butylbenzene	U		0.0620	0.200	1	06/05/2024 08:32	WG2298539
Carbon disulfide	U	~~JS~~	0.162	0.500	1	06/05/2024 08:32	WG2298539
Carbon tetrachloride	U		0.0432	0.200	1	06/05/2024 08:32	WG2298539
Chlorobenzene	U		0.0229	0.100	1	06/05/2024 08:32	WG2298539
Chlorodibromomethane	U		0.0180	0.100	1	06/05/2024 08:32	WG2298539
Chloroethane	U	~~JS~~	0.0432	0.200	1	06/05/2024 08:32	WG2298539
Chloroform	U		0.0166	0.100	1	06/05/2024 08:32	WG2298539
Chloromethane	U	~~JS~~	0.0556	0.500	1	06/05/2024 08:32	WG2298539
2-Chlorotoluene	U		0.0368	0.100	1	06/05/2024 08:32	WG2298539
4-Chlorotoluene	U		0.0452	0.200	1	06/05/2024 08:32	WG2298539
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/05/2024 08:32	WG2298539
1,2-Dibromoethane	U		0.0210	0.100	1	06/05/2024 08:32	WG2298539
Dibromomethane	U		0.0400	0.200	1	06/05/2024 08:32	WG2298539
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/05/2024 08:32	WG2298539
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/05/2024 08:32	WG2298539
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/05/2024 08:32	WG2298539
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/05/2024 08:32	WG2298539
Dichlorodifluoromethane	U	~~JS~~	0.0327	0.200	1	06/05/2024 08:32	WG2298539
1,1-Dichloroethane	U		0.0230	0.100	1	06/05/2024 08:32	WG2298539
1,2-Dichloroethane	U		0.0190	0.100	1	06/05/2024 08:32	WG2298539
1,1-Dichloroethene	U		0.0200	0.100	1	06/05/2024 08:32	WG2298539

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

JS 7/10/24

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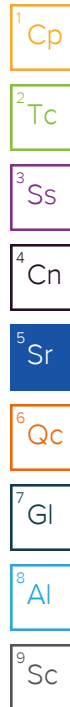
SAMPLE RESULTS - 02

Collected date/time: 05/28/24 11:07

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.400		0.0276	0.100	1	06/05/2024 08:32	WG2298539
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/05/2024 08:32	WG2298539
1,2-Dichloropropane	U		0.0508	0.200	1	06/05/2024 08:32	WG2298539
1,1-Dichloropropene	U		0.0280	0.100	1	06/05/2024 08:32	WG2298539
1,3-Dichloropropane	U		0.0700	0.200	1	06/05/2024 08:32	WG2298539
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/05/2024 08:32	WG2298539
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/05/2024 08:32	WG2298539
2,2-Dichloropropane	U		0.0317	0.100	1	06/05/2024 08:32	WG2298539
Di-isopropyl ether	U		0.0140	0.0400	1	06/05/2024 08:32	WG2298539
Ethylbenzene	U		0.0212	0.100	1	06/05/2024 08:32	WG2298539
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/05/2024 08:32	WG2298539
2-Hexanone	U		0.400	1.00	1	06/05/2024 08:32	WG2298539
n-Hexane	U	~~33~~	0.0424	0.200	1	06/05/2024 08:32	WG2298539
Iodomethane	U		0.242	0.500	1	06/05/2024 08:32	WG2298539
Isopropylbenzene	U		0.0345	0.100	1	06/05/2024 08:32	WG2298539
p-Isopropyltoluene	U		0.0932	0.200	1	06/05/2024 08:32	WG2298539
2-Butanone (MEK)	U		0.500	1.00	1	06/05/2024 08:32	WG2298539
Methylene Chloride	U		0.265	1.00	1	06/05/2024 08:32	WG2298539
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/05/2024 08:32	WG2298539
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/05/2024 08:32	WG2298539
Naphthalene	U		0.124	0.500	1	06/05/2024 08:32	WG2298539
n-Propylbenzene	U		0.0472	0.200	1	06/05/2024 08:32	WG2298539
Styrene	U		0.109	0.500	1	06/05/2024 08:32	WG2298539
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/05/2024 08:32	WG2298539
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/05/2024 08:32	WG2298539
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/05/2024 08:32	WG2298539
Tetrachloroethene	U		0.0280	0.100	1	06/05/2024 08:32	WG2298539
Toluene	U		0.0500	0.200	1	06/05/2024 08:32	WG2298539
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/05/2024 08:32	WG2298539
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/05/2024 08:32	WG2298539
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/05/2024 08:32	WG2298539
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/05/2024 08:32	WG2298539
Trichloroethene	0.0420		0.0160	0.0400	1	06/05/2024 08:32	WG2298539
Trichlorofluoromethane	U		0.0200	0.100	1	06/05/2024 08:32	WG2298539
1,2,3-Trichloropropane	U		0.204	0.500	1	06/05/2024 08:32	WG2298539
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/05/2024 08:32	WG2298539
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/05/2024 08:32	WG2298539
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/05/2024 08:32	WG2298539
Vinyl acetate	U		0.141	0.500	1	06/05/2024 08:32	WG2298539
Vinyl chloride	0.449	~~33~~	0.0273	0.100	1	06/05/2024 08:32	WG2298539
Xylenes, Total	U		0.191	0.260	1	06/05/2024 08:32	WG2298539
(S) Toluene-d8	99.6			75.0-131		06/05/2024 08:32	WG2298539
(S) 4-Bromofluorobenzene	101			67.0-138		06/05/2024 08:32	WG2298539
(S) 1,2-Dichloroethane-d4	93.1			70.0-130		06/05/2024 08:32	WG2298539



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06/25/24 10:01

PAGE:

8 of 25

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	16200		594	5000	1	06/20/2024 03:39	WG2306755

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	941	J+ ~~JS~~	102	1000	1	06/17/2024 05:20	WG2306217

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	675		28.1	100	1	06/24/2024 21:25	WG2300935
Manganese	19.3		0.704	5.00	1	06/24/2024 21:25	WG2300935

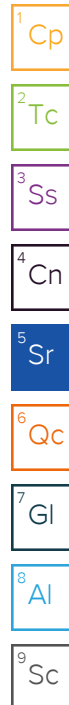
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	U		0.287	0.678	1	06/04/2024 12:24	WG2297123
Ethane	U		0.296	1.29	1	06/04/2024 12:24	WG2297123
Ethene	U		0.422	1.27	1	06/04/2024 12:24	WG2297123

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	2.02	J	0.548	1.00	1	06/05/2024 08:52	WG2298539
Acrylonitrile	U		0.0760	0.500	1	06/05/2024 08:52	WG2298539
Benzene	U		0.0160	0.0400	1	06/05/2024 08:52	WG2298539
Bromobenzene	U		0.0420	0.500	1	06/05/2024 08:52	WG2298539
Bromochloromethane	U		0.0452	0.200	1	06/05/2024 08:52	WG2298539
Bromodichloromethane	U		0.0315	0.100	1	06/05/2024 08:52	WG2298539
Bromoform	U		0.239	1.00	1	06/05/2024 08:52	WG2298539
Bromomethane	U	~~JS~~	0.148	0.500	1	06/05/2024 08:52	WG2298539
n-Butylbenzene	U		0.153	0.500	1	06/05/2024 08:52	WG2298539
sec-Butylbenzene	U		0.101	0.500	1	06/05/2024 08:52	WG2298539
tert-Butylbenzene	U		0.0620	0.200	1	06/05/2024 08:52	WG2298539
Carbon disulfide	U	~~JS~~	0.162	0.500	1	06/05/2024 08:52	WG2298539
Carbon tetrachloride	U		0.0432	0.200	1	06/05/2024 08:52	WG2298539
Chlorobenzene	U		0.0229	0.100	1	06/05/2024 08:52	WG2298539
Chlorodibromomethane	U		0.0180	0.100	1	06/05/2024 08:52	WG2298539
Chloroethane	U	~~JS~~	0.0432	0.200	1	06/05/2024 08:52	WG2298539
Chloroform	U		0.0166	0.100	1	06/05/2024 08:52	WG2298539
Chloromethane	U	~~JS~~	0.0556	0.500	1	06/05/2024 08:52	WG2298539
2-Chlorotoluene	U		0.0368	0.100	1	06/05/2024 08:52	WG2298539
4-Chlorotoluene	U		0.0452	0.200	1	06/05/2024 08:52	WG2298539
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/05/2024 08:52	WG2298539
1,2-Dibromoethane	U		0.0210	0.100	1	06/05/2024 08:52	WG2298539
Dibromomethane	U		0.0400	0.200	1	06/05/2024 08:52	WG2298539
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/05/2024 08:52	WG2298539
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/05/2024 08:52	WG2298539
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/05/2024 08:52	WG2298539
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/05/2024 08:52	WG2298539
Dichlorodifluoromethane	U	~~JS~~	0.0327	0.200	1	06/05/2024 08:52	WG2298539
1,1-Dichloroethane	U		0.0230	0.100	1	06/05/2024 08:52	WG2298539
1,2-Dichloroethane	U		0.0190	0.100	1	06/05/2024 08:52	WG2298539
1,1-Dichloroethene	U		0.0200	0.100	1	06/05/2024 08:52	WG2298539

JC 7/10/24



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.447		0.0276	0.100	1	06/05/2024 08:52	WG2298539
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/05/2024 08:52	WG2298539
1,2-Dichloropropane	U		0.0508	0.200	1	06/05/2024 08:52	WG2298539
1,1-Dichloropropene	U		0.0280	0.100	1	06/05/2024 08:52	WG2298539
1,3-Dichloropropane	U		0.0700	0.200	1	06/05/2024 08:52	WG2298539
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/05/2024 08:52	WG2298539
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/05/2024 08:52	WG2298539
2,2-Dichloropropane	U		0.0317	0.100	1	06/05/2024 08:52	WG2298539
Di-isopropyl ether	U		0.0140	0.0400	1	06/05/2024 08:52	WG2298539
Ethylbenzene	U		0.0212	0.100	1	06/05/2024 08:52	WG2298539
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/05/2024 08:52	WG2298539
2-Hexanone	U		0.400	1.00	1	06/05/2024 08:52	WG2298539
n-Hexane	U	~~J3~~	0.0424	0.200	1	06/05/2024 08:52	WG2298539
Iodomethane	U		0.242	0.500	1	06/05/2024 08:52	WG2298539
Isopropylbenzene	U		0.0345	0.100	1	06/05/2024 08:52	WG2298539
p-Isopropyltoluene	U		0.0932	0.200	1	06/05/2024 08:52	WG2298539
2-Butanone (MEK)	U		0.500	1.00	1	06/05/2024 08:52	WG2298539
Methylene Chloride	U		0.265	1.00	1	06/05/2024 08:52	WG2298539
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/05/2024 08:52	WG2298539
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/05/2024 08:52	WG2298539
Naphthalene	U		0.124	0.500	1	06/05/2024 08:52	WG2298539
n-Propylbenzene	U		0.0472	0.200	1	06/05/2024 08:52	WG2298539
Styrene	U		0.109	0.500	1	06/05/2024 08:52	WG2298539
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/05/2024 08:52	WG2298539
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/05/2024 08:52	WG2298539
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/05/2024 08:52	WG2298539
Tetrachloroethene	0.0850	~~U~~	0.0280	0.100	1	06/05/2024 08:52	WG2298539
Toluene	U		0.0500	0.200	1	06/05/2024 08:52	WG2298539
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/05/2024 08:52	WG2298539
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/05/2024 08:52	WG2298539
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/05/2024 08:52	WG2298539
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/05/2024 08:52	WG2298539
Trichloroethene	0.0620		0.0160	0.0400	1	06/05/2024 08:52	WG2298539
Trichlorofluoromethane	U		0.0200	0.100	1	06/05/2024 08:52	WG2298539
1,2,3-Trichloropropane	U		0.204	0.500	1	06/05/2024 08:52	WG2298539
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/05/2024 08:52	WG2298539
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/05/2024 08:52	WG2298539
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/05/2024 08:52	WG2298539
Vinyl acetate	U		0.141	0.500	1	06/05/2024 08:52	WG2298539
Vinyl chloride	U	~~J3~~	0.0273	0.100	1	06/05/2024 08:52	WG2298539
Xylenes, Total	U		0.191	0.260	1	06/05/2024 08:52	WG2298539
(S) Toluene-d8	102			75.0-131		06/05/2024 08:52	WG2298539
(S) 4-Bromofluorobenzene	106			67.0-138		06/05/2024 08:52	WG2298539
(S) 1,2-Dichloroethane-d4	93.9			70.0-130		06/05/2024 08:52	WG2298539

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	16100		594	5000	1	06/20/2024 04:40	WG2306755

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	1130	J+ ~~B~~	102	1000	1	06/17/2024 05:33	WG2306217

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	642		28.1	100	1	06/24/2024 21:28	WG2300935
Manganese	18.8		0.704	5.00	1	06/24/2024 21:28	WG2300935

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	U		0.287	0.678	1	06/04/2024 12:30	WG2297123
Ethane	U		0.296	1.29	1	06/04/2024 12:30	WG2297123
Ethene	U		0.422	1.27	1	06/04/2024 12:30	WG2297123

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U	UJ	0.548	1.00	1	06/05/2024 09:12	WG2298539
Acrylonitrile	U		0.0760	0.500	1	06/05/2024 09:12	WG2298539
Benzene	U		0.0160	0.0400	1	06/05/2024 09:12	WG2298539
Bromobenzene	U		0.0420	0.500	1	06/05/2024 09:12	WG2298539
Bromochloromethane	U		0.0452	0.200	1	06/05/2024 09:12	WG2298539
Bromodichloromethane	U		0.0315	0.100	1	06/05/2024 09:12	WG2298539
Bromoform	U		0.239	1.00	1	06/05/2024 09:12	WG2298539
Bromomethane	U	J3	0.148	0.500	1	06/05/2024 09:12	WG2298539
n-Butylbenzene	U		0.153	0.500	1	06/05/2024 09:12	WG2298539
sec-Butylbenzene	U		0.101	0.500	1	06/05/2024 09:12	WG2298539
tert-Butylbenzene	U		0.0620	0.200	1	06/05/2024 09:12	WG2298539
Carbon disulfide	U	J3	0.162	0.500	1	06/05/2024 09:12	WG2298539
Carbon tetrachloride	U		0.0432	0.200	1	06/05/2024 09:12	WG2298539
Chlorobenzene	U		0.0229	0.100	1	06/05/2024 09:12	WG2298539
Chlorodibromomethane	U		0.0180	0.100	1	06/05/2024 09:12	WG2298539
Chloroethane	U	J3	0.0432	0.200	1	06/05/2024 09:12	WG2298539
Chloroform	U		0.0166	0.100	1	06/05/2024 09:12	WG2298539
Chloromethane	U	J3	0.0556	0.500	1	06/05/2024 09:12	WG2298539
2-Chlorotoluene	U		0.0368	0.100	1	06/05/2024 09:12	WG2298539
4-Chlorotoluene	U		0.0452	0.200	1	06/05/2024 09:12	WG2298539
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/05/2024 09:12	WG2298539
1,2-Dibromoethane	U		0.0210	0.100	1	06/05/2024 09:12	WG2298539
Dibromomethane	U		0.0400	0.200	1	06/05/2024 09:12	WG2298539
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/05/2024 09:12	WG2298539
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/05/2024 09:12	WG2298539
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/05/2024 09:12	WG2298539
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/05/2024 09:12	WG2298539
Dichlorodifluoromethane	U	J3	0.0327	0.200	1	06/05/2024 09:12	WG2298539
1,1-Dichloroethane	U		0.0230	0.100	1	06/05/2024 09:12	WG2298539
1,2-Dichloroethane	U		0.0190	0.100	1	06/05/2024 09:12	WG2298539
1,1-Dichloroethene	U		0.0200	0.100	1	06/05/2024 09:12	WG2298539

JC 7/10/24

MW-988-052824

SAMPLE RESULTS - 04

Collected date/time: 05/28/24 14:11

L1741135

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.528		0.0276	0.100	1	06/05/2024 09:12	WG2298539
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/05/2024 09:12	WG2298539
1,2-Dichloropropane	U		0.0508	0.200	1	06/05/2024 09:12	WG2298539
1,1-Dichloropropene	U		0.0280	0.100	1	06/05/2024 09:12	WG2298539
1,3-Dichloropropane	U		0.0700	0.200	1	06/05/2024 09:12	WG2298539
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/05/2024 09:12	WG2298539
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/05/2024 09:12	WG2298539
2,2-Dichloropropane	U		0.0317	0.100	1	06/05/2024 09:12	WG2298539
Di-isopropyl ether	U		0.0140	0.0400	1	06/05/2024 09:12	WG2298539
Ethylbenzene	U		0.0212	0.100	1	06/05/2024 09:12	WG2298539
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/05/2024 09:12	WG2298539
2-Hexanone	U		0.400	1.00	1	06/05/2024 09:12	WG2298539
n-Hexane	U	~~13~~	0.0424	0.200	1	06/05/2024 09:12	WG2298539
Iodomethane	U		0.242	0.500	1	06/05/2024 09:12	WG2298539
Isopropylbenzene	U		0.0345	0.100	1	06/05/2024 09:12	WG2298539
p-Isopropyltoluene	U		0.0932	0.200	1	06/05/2024 09:12	WG2298539
2-Butanone (MEK)	U		0.500	1.00	1	06/05/2024 09:12	WG2298539
Methylene Chloride	U		0.265	1.00	1	06/05/2024 09:12	WG2298539
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/05/2024 09:12	WG2298539
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/05/2024 09:12	WG2298539
Naphthalene	U		0.124	0.500	1	06/05/2024 09:12	WG2298539
n-Propylbenzene	U		0.0472	0.200	1	06/05/2024 09:12	WG2298539
Styrene	U		0.109	0.500	1	06/05/2024 09:12	WG2298539
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/05/2024 09:12	WG2298539
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/05/2024 09:12	WG2298539
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/05/2024 09:12	WG2298539
Tetrachloroethene	0.106		0.0280	0.100	1	06/05/2024 09:12	WG2298539
Toluene	U		0.0500	0.200	1	06/05/2024 09:12	WG2298539
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/05/2024 09:12	WG2298539
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/05/2024 09:12	WG2298539
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/05/2024 09:12	WG2298539
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/05/2024 09:12	WG2298539
Trichloroethene	0.0520		0.0160	0.0400	1	06/05/2024 09:12	WG2298539
Trichlorofluoromethane	U		0.0200	0.100	1	06/05/2024 09:12	WG2298539
1,2,3-Trichloropropane	U		0.204	0.500	1	06/05/2024 09:12	WG2298539
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/05/2024 09:12	WG2298539
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/05/2024 09:12	WG2298539
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/05/2024 09:12	WG2298539
Vinyl acetate	U		0.141	0.500	1	06/05/2024 09:12	WG2298539
Vinyl chloride	U	~~13~~	0.0273	0.100	1	06/05/2024 09:12	WG2298539
Xylenes, Total	U		0.191	0.260	1	06/05/2024 09:12	WG2298539
(S) Toluene-d8	100			75.0-131		06/05/2024 09:12	WG2298539
(S) 4-Bromofluorobenzene	103			67.0-138		06/05/2024 09:12	WG2298539
(S) 1,2-Dichloroethane-d4	91.1			70.0-130		06/05/2024 09:12	WG2298539



JC 7/10/24

ACCOUNT:

PES Environmental, Inc.- WA

PROJECT:

443022-1413001.10.60

SDG:

L1741135

DATE/TIME:

06/25/24 10:01

PAGE:

12 of 25

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	28400		594	5000	1	06/09/2024 10:11	WG2299419

¹ Cp

² Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	2040	B	102	1000	1	06/10/2024 03:50	WG2300561

³ Ss

⁴ Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	287		28.1	100	1	06/02/2024 20:59	WG2295554
Manganese	279		0.704	5.00	1	06/02/2024 20:59	WG2295554

⁵ Sr

⁶ Qc

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	1050		0.287	0.678	1	05/31/2024 09:49	WG2294780
Ethane	2.36		0.296	1.29	1	05/31/2024 09:49	WG2294780
Ethene	U		0.422	1.27	1	05/31/2024 09:49	WG2294780

⁷ Gl

⁸ Al

⁹ Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	0.655	U	0.548	1.00	1	05/30/2024 02:25	WG2295127
Acrylonitrile	U		0.0760	0.500	1	05/30/2024 02:25	WG2295127
Benzene	U		0.0160	0.0400	1	05/30/2024 02:25	WG2295127
Bromobenzene	U		0.0420	0.500	1	05/30/2024 02:25	WG2295127
Bromodichloromethane	U		0.0315	0.100	1	05/30/2024 02:25	WG2295127
Bromoform	U		0.239	1.00	1	05/30/2024 02:25	WG2295127
Bromomethane	U		0.148	0.500	1	05/30/2024 02:25	WG2295127
n-Butylbenzene	U		0.153	0.500	1	05/30/2024 02:25	WG2295127
sec-Butylbenzene	U		0.101	0.500	1	05/30/2024 02:25	WG2295127
tert-Butylbenzene	U		0.0620	0.200	1	05/30/2024 02:25	WG2295127
Carbon tetrachloride	U		0.0432	0.200	1	05/30/2024 02:25	WG2295127
Chlorobenzene	U		0.0229	0.100	1	05/30/2024 02:25	WG2295127
Chlorodibromomethane	U		0.0180	0.100	1	05/30/2024 02:25	WG2295127
Chloroethane	U		0.0432	0.200	1	05/30/2024 02:25	WG2295127
Chloroform	U		0.0166	0.100	1	05/30/2024 02:25	WG2295127
Chloromethane	U		0.0556	0.500	1	05/30/2024 02:25	WG2295127
2-Chlorotoluene	U		0.0368	0.100	1	05/30/2024 02:25	WG2295127
4-Chlorotoluene	U		0.0452	0.200	1	05/30/2024 02:25	WG2295127
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/30/2024 02:25	WG2295127
1,2-Dibromoethane	U		0.0210	0.100	1	05/30/2024 02:25	WG2295127
Dibromomethane	U		0.0400	0.200	1	05/30/2024 02:25	WG2295127
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/30/2024 02:25	WG2295127
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/30/2024 02:25	WG2295127
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/30/2024 02:25	WG2295127
Dichlorodifluoromethane	U		0.0327	0.200	1	05/30/2024 02:25	WG2295127
1,1-Dichloroethane	U		0.0230	0.100	1	05/30/2024 02:25	WG2295127
1,2-Dichloroethane	U		0.0190	0.100	1	05/30/2024 02:25	WG2295127
1,1-Dichloroethene	U		0.0200	0.100	1	05/30/2024 02:25	WG2295127
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/30/2024 02:25	WG2295127
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/30/2024 02:25	WG2295127
1,2-Dichloropropane	U		0.0508	0.200	1	05/30/2024 02:25	WG2295127

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/30/2024 02:25	WG2295127
1,3-Dichloropropane	U		0.0700	0.200	1	05/30/2024 02:25	WG2295127
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/30/2024 02:25	WG2295127
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/30/2024 02:25	WG2295127
2,2-Dichloropropane	U		0.0317	0.100	1	05/30/2024 02:25	WG2295127
Di-isopropyl ether	U		0.0140	0.0400	1	05/30/2024 02:25	WG2295127
Ethylbenzene	U		0.0212	0.100	1	05/30/2024 02:25	WG2295127
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/30/2024 02:25	WG2295127
Isopropylbenzene	U		0.0345	0.100	1	05/30/2024 02:25	WG2295127
p-Isopropyltoluene	U		0.0932	0.200	1	05/30/2024 02:25	WG2295127
2-Butanone (MEK)	U		0.500	1.00	1	05/30/2024 02:25	WG2295127
Methylene Chloride	U		0.265	1.00	1	05/30/2024 02:25	WG2295127
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/30/2024 02:25	WG2295127
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/30/2024 02:25	WG2295127
Naphthalene	U		0.124	0.500	1	05/30/2024 02:25	WG2295127
n-Propylbenzene	U		0.0472	0.200	1	05/30/2024 02:25	WG2295127
Styrene	U		0.109	0.500	1	05/30/2024 02:25	WG2295127
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/30/2024 02:25	WG2295127
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/30/2024 02:25	WG2295127
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/30/2024 02:25	WG2295127
Tetrachloroethene	U		0.0280	0.100	1	05/30/2024 02:25	WG2295127
Toluene	0.0610	J	0.0500	0.200	1	05/30/2024 02:25	WG2295127
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/30/2024 02:25	WG2295127
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/30/2024 02:25	WG2295127
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/30/2024 02:25	WG2295127
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/30/2024 02:25	WG2295127
Trichloroethene	U		0.0160	0.0400	1	05/30/2024 02:25	WG2295127
Trichlorofluoromethane	U		0.0200	0.100	1	05/30/2024 02:25	WG2295127
1,2,3-Trichloropropane	U		0.204	0.500	1	05/30/2024 02:25	WG2295127
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/30/2024 02:25	WG2295127
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/30/2024 02:25	WG2295127
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/30/2024 02:25	WG2295127
Vinyl chloride	U		0.0273	0.100	1	05/30/2024 02:25	WG2295127
Xylenes, Total	U		0.191	0.260	1	05/30/2024 02:25	WG2295127
Ethyl Ether	U		0.0170	0.100	1	05/30/2024 02:25	WG2295127
Tetrahydrofuran	U	J4	0.0900	0.500	1	05/30/2024 02:25	WG2295127
Iodomethane	U		0.242	0.500	1	05/30/2024 02:25	WG2295127
Allyl chloride	U		0.580	1.00	1	05/30/2024 02:25	WG2295127
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/30/2024 02:25	WG2295127
(S) Toluene-d8	97.5			75.0-131		05/30/2024 02:25	WG2295127
(S) 4-Bromofluorobenzene	105			67.0-138		05/30/2024 02:25	WG2295127
(S) 1,2-Dichloroethane-d4	92.1			70.0-130		05/30/2024 02:25	WG2295127

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	4420	J	594	5000	1	06/09/2024 10:27	WG2299419

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	5370		102	1000	1	06/10/2024 04:11	WG2300561

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	3670		28.1	100	1	06/02/2024 21:03	WG2295554
Manganese	1560		0.704	5.00	1	06/02/2024 21:03	WG2295554

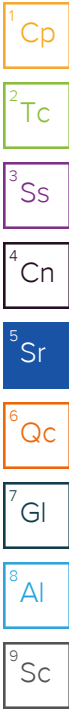
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	11200		2.87	6.78	10	05/31/2024 15:50	WG2296404
Ethane	74.5		0.296	1.29	1	05/31/2024 09:54	WG2294780
Ethene	2.78		0.422	1.27	1	05/31/2024 09:54	WG2294780

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

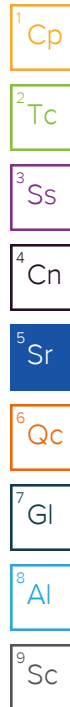
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	21.5		0.548	1.00	1	05/30/2024 02:48	WG2295127
Acrylonitrile	U		0.0760	0.500	1	05/30/2024 02:48	WG2295127
Benzene	U		0.0160	0.0400	1	05/30/2024 02:48	WG2295127
Bromobenzene	U		0.0420	0.500	1	05/30/2024 02:48	WG2295127
Bromodichloromethane	U		0.0315	0.100	1	05/30/2024 02:48	WG2295127
Bromoform	U		0.239	1.00	1	05/30/2024 02:48	WG2295127
Bromomethane	U		0.148	0.500	1	05/30/2024 02:48	WG2295127
n-Butylbenzene	U		0.153	0.500	1	05/30/2024 02:48	WG2295127
sec-Butylbenzene	U		0.101	0.500	1	05/30/2024 02:48	WG2295127
tert-Butylbenzene	U		0.0620	0.200	1	05/30/2024 02:48	WG2295127
Carbon tetrachloride	U		0.0432	0.200	1	05/30/2024 02:48	WG2295127
Chlorobenzene	U		0.0229	0.100	1	05/30/2024 02:48	WG2295127
Chlorodibromomethane	U		0.0180	0.100	1	05/30/2024 02:48	WG2295127
Chloroethane	U	J4	0.0432	0.200	1	05/30/2024 02:48	WG2295127
Chloroform	U		0.0166	0.100	1	05/30/2024 02:48	WG2295127
Chloromethane	U		0.0556	0.500	1	05/30/2024 02:48	WG2295127
2-Chlorotoluene	U		0.0368	0.100	1	05/30/2024 02:48	WG2295127
4-Chlorotoluene	U		0.0452	0.200	1	05/30/2024 02:48	WG2295127
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/30/2024 02:48	WG2295127
1,2-Dibromoethane	U		0.0210	0.100	1	05/30/2024 02:48	WG2295127
Dibromomethane	U		0.0400	0.200	1	05/30/2024 02:48	WG2295127
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/30/2024 02:48	WG2295127
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/30/2024 02:48	WG2295127
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/30/2024 02:48	WG2295127
Dichlorodifluoromethane	U		0.0327	0.200	1	05/30/2024 02:48	WG2295127
1,1-Dichloroethane	U		0.0230	0.100	1	05/30/2024 02:48	WG2295127
1,2-Dichloroethane	U		0.0190	0.100	1	05/30/2024 02:48	WG2295127
1,1-Dichloroethene	U		0.0200	0.100	1	05/30/2024 02:48	WG2295127
cis-1,2-Dichloroethene	0.120		0.0276	0.100	1	05/30/2024 02:48	WG2295127
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/30/2024 02:48	WG2295127
1,2-Dichloropropane	U		0.0508	0.200	1	05/30/2024 02:48	WG2295127

JC 7/10/24



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

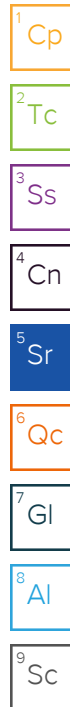
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/30/2024 02:48	WG2295127
1,3-Dichloropropane	U		0.0700	0.200	1	05/30/2024 02:48	WG2295127
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/30/2024 02:48	WG2295127
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/30/2024 02:48	WG2295127
2,2-Dichloropropane	U		0.0317	0.100	1	05/30/2024 02:48	WG2295127
Di-isopropyl ether	U		0.0140	0.0400	1	05/30/2024 02:48	WG2295127
Ethylbenzene	U		0.0212	0.100	1	05/30/2024 02:48	WG2295127
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/30/2024 02:48	WG2295127
Isopropylbenzene	U		0.0345	0.100	1	05/30/2024 02:48	WG2295127
p-Isopropyltoluene	U		0.0932	0.200	1	05/30/2024 02:48	WG2295127
2-Butanone (MEK)	U		0.500	1.00	1	05/30/2024 02:48	WG2295127
Methylene Chloride	U		0.265	1.00	1	05/30/2024 02:48	WG2295127
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/30/2024 02:48	WG2295127
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/30/2024 02:48	WG2295127
Naphthalene	U		0.124	0.500	1	05/30/2024 02:48	WG2295127
n-Propylbenzene	U		0.0472	0.200	1	05/30/2024 02:48	WG2295127
Styrene	U		0.109	0.500	1	05/30/2024 02:48	WG2295127
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/30/2024 02:48	WG2295127
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/30/2024 02:48	WG2295127
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/30/2024 02:48	WG2295127
Tetrachloroethene	U		0.0280	0.100	1	05/30/2024 02:48	WG2295127
Toluene	U		0.0500	0.200	1	05/30/2024 02:48	WG2295127
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/30/2024 02:48	WG2295127
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/30/2024 02:48	WG2295127
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/30/2024 02:48	WG2295127
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/30/2024 02:48	WG2295127
Trichloroethene	0.0720		0.0160	0.0400	1	05/30/2024 02:48	WG2295127
Trichlorofluoromethane	U		0.0200	0.100	1	05/30/2024 02:48	WG2295127
1,2,3-Trichloropropane	U		0.204	0.500	1	05/30/2024 02:48	WG2295127
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/30/2024 02:48	WG2295127
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/30/2024 02:48	WG2295127
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/30/2024 02:48	WG2295127
Vinyl chloride	0.134	J+ C5	0.0273	0.100	1	05/30/2024 02:48	WG2295127
Xylenes, Total	U		0.191	0.260	1	05/30/2024 02:48	WG2295127
Ethyl Ether	U		0.0170	0.100	1	05/30/2024 02:48	WG2295127
Tetrahydrofuran	0.267	J J4	0.0900	0.500	1	05/30/2024 02:48	WG2295127
Iodomethane	U		0.242	0.500	1	05/30/2024 02:48	WG2295127
Allyl chloride	U		0.580	1.00	1	05/30/2024 02:48	WG2295127
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/30/2024 02:48	WG2295127
(S) Toluene-d8	91.8			75.0-131		05/30/2024 02:48	WG2295127
(S) 4-Bromofluorobenzene	104			67.0-138		05/30/2024 02:48	WG2295127
(S) 1,2-Dichloroethane-d4	97.5			70.0-130		05/30/2024 02:48	WG2295127



JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	0.707	U	0.548	1.00	1	05/30/2024 03:09	WG2295127
Acrylonitrile	U		0.0760	0.500	1	05/30/2024 03:09	WG2295127
Benzene	U		0.0160	0.0400	1	05/30/2024 03:09	WG2295127
Bromobenzene	U		0.0420	0.500	1	05/30/2024 03:09	WG2295127
Bromodichloromethane	U		0.0315	0.100	1	05/30/2024 03:09	WG2295127
Bromoform	U		0.239	1.00	1	05/30/2024 03:09	WG2295127
Bromomethane	U		0.148	0.500	1	05/30/2024 03:09	WG2295127
n-Butylbenzene	U		0.153	0.500	1	05/30/2024 03:09	WG2295127
sec-Butylbenzene	U		0.101	0.500	1	05/30/2024 03:09	WG2295127
tert-Butylbenzene	U		0.0620	0.200	1	05/30/2024 03:09	WG2295127
Carbon tetrachloride	U		0.0432	0.200	1	05/30/2024 03:09	WG2295127
Chlorobenzene	U		0.0229	0.100	1	05/30/2024 03:09	WG2295127
Chlorodibromomethane	U		0.0180	0.100	1	05/30/2024 03:09	WG2295127
Chloroethane	U		0.0432	0.200	1	05/30/2024 03:09	WG2295127
Chloroform	U		0.0166	0.100	1	05/30/2024 03:09	WG2295127
Chloromethane	U		0.0556	0.500	1	05/30/2024 03:09	WG2295127
2-Chlorotoluene	U		0.0368	0.100	1	05/30/2024 03:09	WG2295127
4-Chlorotoluene	U		0.0452	0.200	1	05/30/2024 03:09	WG2295127
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/30/2024 03:09	WG2295127
1,2-Dibromoethane	U		0.0210	0.100	1	05/30/2024 03:09	WG2295127
Dibromomethane	U		0.0400	0.200	1	05/30/2024 03:09	WG2295127
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/30/2024 03:09	WG2295127
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/30/2024 03:09	WG2295127
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/30/2024 03:09	WG2295127
Dichlorodifluoromethane	U		0.0327	0.200	1	05/30/2024 03:09	WG2295127
1,1-Dichloroethane	U		0.0230	0.100	1	05/30/2024 03:09	WG2295127
1,2-Dichloroethane	U		0.0190	0.100	1	05/30/2024 03:09	WG2295127
1,1-Dichloroethene	U		0.0200	0.100	1	05/30/2024 03:09	WG2295127
cis-1,2-Dichloroethene	0.275		0.0276	0.100	1	05/30/2024 03:09	WG2295127
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/30/2024 03:09	WG2295127
1,2-Dichloropropane	U		0.0508	0.200	1	05/30/2024 03:09	WG2295127
1,1-Dichloropropene	U		0.0280	0.100	1	05/30/2024 03:09	WG2295127
1,3-Dichloropropane	U		0.0700	0.200	1	05/30/2024 03:09	WG2295127
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/30/2024 03:09	WG2295127
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/30/2024 03:09	WG2295127
2,2-Dichloropropane	U		0.0317	0.100	1	05/30/2024 03:09	WG2295127
Di-isopropyl ether	U		0.0140	0.0400	1	05/30/2024 03:09	WG2295127
Ethylbenzene	0.0450		0.0212	0.100	1	05/30/2024 03:09	WG2295127
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/30/2024 03:09	WG2295127
Isopropylbenzene	U		0.0345	0.100	1	05/30/2024 03:09	WG2295127
p-Isopropyltoluene	U		0.0932	0.200	1	05/30/2024 03:09	WG2295127
2-Butanone (MEK)	U		0.500	1.00	1	05/30/2024 03:09	WG2295127
Methylene Chloride	U		0.265	1.00	1	05/30/2024 03:09	WG2295127
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/30/2024 03:09	WG2295127
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/30/2024 03:09	WG2295127
Naphthalene	U		0.124	0.500	1	05/30/2024 03:09	WG2295127
n-Propylbenzene	U		0.0472	0.200	1	05/30/2024 03:09	WG2295127
Styrene	U		0.109	0.500	1	05/30/2024 03:09	WG2295127
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/30/2024 03:09	WG2295127
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/30/2024 03:09	WG2295127
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/30/2024 03:09	WG2295127
Tetrachloroethene	U		0.0280	0.100	1	05/30/2024 03:09	WG2295127
Toluene	0.121		0.0500	0.200	1	05/30/2024 03:09	WG2295127
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/30/2024 03:09	WG2295127
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/30/2024 03:09	WG2295127
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/30/2024 03:09	WG2295127



JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/30/2024 03:09	WG2295127
Trichloroethene	0.0410		0.0160	0.0400	1	05/30/2024 03:09	WG2295127
Trichlorofluoromethane	U		0.0200	0.100	1	05/30/2024 03:09	WG2295127
1,2,3-Trichloropropane	U		0.204	0.500	1	05/30/2024 03:09	WG2295127
1,2,4-Trimethylbenzene	0.0940	J	0.0464	0.200	1	05/30/2024 03:09	WG2295127
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/30/2024 03:09	WG2295127
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/30/2024 03:09	WG2295127
Vinyl chloride	U		0.0273	0.100	1	05/30/2024 03:09	WG2295127
Xylenes, Total	0.316		0.191	0.260	1	05/30/2024 03:09	WG2295127
Ethyl Ether	U		0.0170	0.100	1	05/30/2024 03:09	WG2295127
Tetrahydrofuran	U	J4	0.0900	0.500	1	05/30/2024 03:09	WG2295127
Iodomethane	U		0.242	0.500	1	05/30/2024 03:09	WG2295127
Allyl chloride	U		0.580	1.00	1	05/30/2024 03:09	WG2295127
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/30/2024 03:09	WG2295127
(S) Toluene-d8	95.3			75.0-131		05/30/2024 03:09	WG2295127
(S) 4-Bromofluorobenzene	101			67.0-138		05/30/2024 03:09	WG2295127
(S) 1,2-Dichloroethane-d4	93.3			70.0-130		05/30/2024 03:09	WG2295127

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/10/24

MW111-052224

SAMPLE RESULTS - 04

Collected date/time: 05/22/24 12:12

L1739788

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	UJ C3	0.548	1.00	1	06/03/2024 19:42	WG2297632
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 19:42	WG2297632
Benzene	0.0270	J	0.0160	0.0400	1	06/03/2024 19:42	WG2297632
Bromobenzene	U		0.0420	0.500	1	06/03/2024 19:42	WG2297632
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 19:42	WG2297632
Bromoform	U		0.239	1.00	1	06/03/2024 19:42	WG2297632
Bromomethane	U	UJ C3 J3	0.148	0.500	1	06/03/2024 19:42	WG2297632
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 19:42	WG2297632
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 19:42	WG2297632
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 19:42	WG2297632
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 19:42	WG2297632
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 19:42	WG2297632
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 19:42	WG2297632
Chloroethane	U		0.0432	0.200	1	06/03/2024 19:42	WG2297632
Chloroform	U		0.0166	0.100	1	06/03/2024 19:42	WG2297632
Chloromethane	U		0.0556	0.500	1	06/03/2024 19:42	WG2297632
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 19:42	WG2297632
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 19:42	WG2297632
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/03/2024 19:42	WG2297632
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 19:42	WG2297632
Dibromomethane	U		0.0400	0.200	1	06/03/2024 19:42	WG2297632
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 19:42	WG2297632
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 19:42	WG2297632
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 19:42	WG2297632
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 19:42	WG2297632
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 19:42	WG2297632
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 19:42	WG2297632
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 19:42	WG2297632
cis-1,2-Dichloroethene	1.26		0.0276	0.100	1	06/03/2024 19:42	WG2297632
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2024 19:42	WG2297632
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 19:42	WG2297632
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 19:42	WG2297632
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 19:42	WG2297632
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 19:42	WG2297632
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 19:42	WG2297632
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 19:42	WG2297632
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 19:42	WG2297632
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 19:42	WG2297632
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 19:42	WG2297632
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 19:42	WG2297632
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 19:42	WG2297632
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 19:42	WG2297632
Methylene Chloride	U		0.265	1.00	1	06/03/2024 19:42	WG2297632
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 19:42	WG2297632
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 19:42	WG2297632
Naphthalene	U		0.124	0.500	1	06/03/2024 19:42	WG2297632
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 19:42	WG2297632
Styrene	U		0.109	0.500	1	06/03/2024 19:42	WG2297632
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 19:42	WG2297632
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 19:42	WG2297632
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 19:42	WG2297632
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 19:42	WG2297632
Toluene	U		0.0500	0.200	1	06/03/2024 19:42	WG2297632
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 19:42	WG2297632
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 19:42	WG2297632
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 19:42	WG2297632

JC 7/10/24

ACCOUNT:

PES Environmental, Inc.- WA

PROJECT:

443022-1413001.10

SDG:

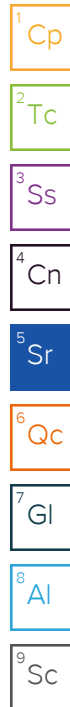
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06/14/24 09:51

PAGE:

14 of 76



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 19:42	WG2297632
Trichloroethene	0.0450		0.0160	0.0400	1	06/03/2024 19:42	WG2297632
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2024 19:42	WG2297632
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 19:42	WG2297632
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 19:42	WG2297632
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 19:42	WG2297632
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 19:42	WG2297632
Vinyl chloride	7.98		0.0273	0.100	1	06/03/2024 19:42	WG2297632
Xylenes, Total	U		0.191	0.260	1	06/03/2024 19:42	WG2297632
Ethyl Ether	U		0.0170	0.100	1	06/03/2024 19:42	WG2297632
Tetrahydrofuran	U	UJ C3 J3 J4	0.0900	0.500	1	06/03/2024 19:42	WG2297632
Iodomethane	U		0.242	0.500	1	06/03/2024 19:42	WG2297632
Allyl chloride	U		0.580	1.00	1	06/03/2024 19:42	WG2297632
Trans-1,4-Dichloro-2-butene	U	I3	0.0560	0.200	1	06/03/2024 19:42	WG2297632
(S) Toluene-d8	94.6			75.0-131		06/03/2024 19:42	WG2297632
(S) 4-Bromofluorobenzene	103			67.0-138		06/03/2024 19:42	WG2297632
(S) 1,2-Dichloroethane-d4	91.8			70.0-130		06/03/2024 19:42	WG2297632

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

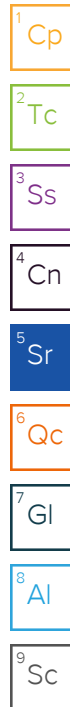
9Sc

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	UJ C3	0.548	1.00	1	06/03/2024 20:04	WG2297632
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 20:04	WG2297632
Benzene	U		0.0160	0.0400	1	06/03/2024 20:04	WG2297632
Bromobenzene	U		0.0420	0.500	1	06/03/2024 20:04	WG2297632
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 20:04	WG2297632
Bromoform	U		0.239	1.00	1	06/03/2024 20:04	WG2297632
Bromomethane	U	UJ C3 J3	0.148	0.500	1	06/03/2024 20:04	WG2297632
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 20:04	WG2297632
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 20:04	WG2297632
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 20:04	WG2297632
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 20:04	WG2297632
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 20:04	WG2297632
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 20:04	WG2297632
Chloroethane	U		0.0432	0.200	1	06/03/2024 20:04	WG2297632
Chloroform	U		0.0166	0.100	1	06/03/2024 20:04	WG2297632
Chloromethane	U		0.0556	0.500	1	06/03/2024 20:04	WG2297632
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 20:04	WG2297632
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 20:04	WG2297632
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/03/2024 20:04	WG2297632
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 20:04	WG2297632
Dibromomethane	U		0.0400	0.200	1	06/03/2024 20:04	WG2297632
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 20:04	WG2297632
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 20:04	WG2297632
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 20:04	WG2297632
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 20:04	WG2297632
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 20:04	WG2297632
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 20:04	WG2297632
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 20:04	WG2297632
cis-1,2-Dichloroethene	7.88		0.0276	0.100	1	06/03/2024 20:04	WG2297632
trans-1,2-Dichloroethene	0.175	J	0.0572	0.200	1	06/03/2024 20:04	WG2297632
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 20:04	WG2297632
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 20:04	WG2297632
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 20:04	WG2297632
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 20:04	WG2297632
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 20:04	WG2297632
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 20:04	WG2297632
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 20:04	WG2297632
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 20:04	WG2297632
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 20:04	WG2297632
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 20:04	WG2297632
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 20:04	WG2297632
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 20:04	WG2297632
Methylene Chloride	U		0.265	1.00	1	06/03/2024 20:04	WG2297632
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 20:04	WG2297632
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 20:04	WG2297632
Naphthalene	U		0.124	0.500	1	06/03/2024 20:04	WG2297632
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 20:04	WG2297632
Styrene	U		0.109	0.500	1	06/03/2024 20:04	WG2297632
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 20:04	WG2297632
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 20:04	WG2297632
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 20:04	WG2297632
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 20:04	WG2297632
Toluene	U		0.0500	0.200	1	06/03/2024 20:04	WG2297632
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 20:04	WG2297632
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 20:04	WG2297632
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 20:04	WG2297632

JC 7/10/24



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 20:04	WG2297632
Trichloroethene	U		0.0160	0.0400	1	06/03/2024 20:04	WG2297632
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2024 20:04	WG2297632
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 20:04	WG2297632
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 20:04	WG2297632
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 20:04	WG2297632
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 20:04	WG2297632
Vinyl chloride	0.215		0.0273	0.100	1	06/03/2024 20:04	WG2297632
Xylenes, Total	U		0.191	0.260	1	06/03/2024 20:04	WG2297632
Ethyl Ether	U		0.0170	0.100	1	06/03/2024 20:04	WG2297632
Tetrahydrofuran	U	UJ C3 J3 J4	0.0900	0.500	1	06/03/2024 20:04	WG2297632
Iodomethane	U		0.242	0.500	1	06/03/2024 20:04	WG2297632
Allyl chloride	U		0.580	1.00	1	06/03/2024 20:04	WG2297632
Trans-1,4-Dichloro-2-butene	U	J3	0.0560	0.200	1	06/03/2024 20:04	WG2297632
(S) Toluene-d8	92.8			75.0-131		06/03/2024 20:04	WG2297632
(S) 4-Bromofluorobenzene	100			67.0-138		06/03/2024 20:04	WG2297632
(S) 1,2-Dichloroethane-d4	93.7			70.0-130		06/03/2024 20:04	WG2297632

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

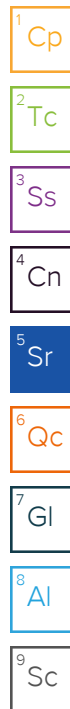
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JC 7/10/24

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	05/30/2024 23:11	WG2295881
Acrylonitrile	U		0.0760	0.500	1	05/30/2024 23:11	WG2295881
Benzene	U		0.0160	0.0400	1	05/30/2024 23:11	WG2295881
Bromobenzene	U		0.0420	0.500	1	05/30/2024 23:11	WG2295881
Bromodichloromethane	U		0.0315	0.100	1	05/30/2024 23:11	WG2295881
Bromoform	U		0.239	1.00	1	05/30/2024 23:11	WG2295881
Bromomethane	U	UJ C3	0.148	0.500	1	05/30/2024 23:11	WG2295881
n-Butylbenzene	U		0.153	0.500	1	05/30/2024 23:11	WG2295881
sec-Butylbenzene	U		0.101	0.500	1	05/30/2024 23:11	WG2295881
tert-Butylbenzene	U		0.0620	0.200	1	05/30/2024 23:11	WG2295881
Carbon tetrachloride	U		0.0432	0.200	1	05/30/2024 23:11	WG2295881
Chlorobenzene	U		0.0229	0.100	1	05/30/2024 23:11	WG2295881
Chlorodibromomethane	U		0.0180	0.100	1	05/30/2024 23:11	WG2295881
Chloroethane	U		0.0432	0.200	1	05/30/2024 23:11	WG2295881
Chloroform	U		0.0166	0.100	1	05/30/2024 23:11	WG2295881
Chloromethane	U		0.0556	0.500	1	05/30/2024 23:11	WG2295881
2-Chlorotoluene	U		0.0368	0.100	1	05/30/2024 23:11	WG2295881
4-Chlorotoluene	U		0.0452	0.200	1	05/30/2024 23:11	WG2295881
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/30/2024 23:11	WG2295881
1,2-Dibromoethane	U		0.0210	0.100	1	05/30/2024 23:11	WG2295881
Dibromomethane	U		0.0400	0.200	1	05/30/2024 23:11	WG2295881
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/30/2024 23:11	WG2295881
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/30/2024 23:11	WG2295881
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/30/2024 23:11	WG2295881
Dichlorodifluoromethane	U	UJ C3	0.0327	0.200	1	05/30/2024 23:11	WG2295881
1,1-Dichloroethane	U		0.0230	0.100	1	05/30/2024 23:11	WG2295881
1,2-Dichloroethane	U		0.0190	0.100	1	05/30/2024 23:11	WG2295881
1,1-Dichloroethene	U		0.0200	0.100	1	05/30/2024 23:11	WG2295881
cis-1,2-Dichloroethene	9.06		0.0276	0.100	1	06/02/2024 21:58	WG2296758
trans-1,2-Dichloroethene	0.0900	J	0.0572	0.200	1	05/30/2024 23:11	WG2295881
1,2-Dichloropropane	U		0.0508	0.200	1	05/30/2024 23:11	WG2295881
1,1-Dichloropropene	U		0.0280	0.100	1	05/30/2024 23:11	WG2295881
1,3-Dichloropropane	U		0.0700	0.200	1	05/30/2024 23:11	WG2295881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/30/2024 23:11	WG2295881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/30/2024 23:11	WG2295881
2,2-Dichloropropane	U		0.0317	0.100	1	05/30/2024 23:11	WG2295881
Di-isopropyl ether	U		0.0140	0.0400	1	05/30/2024 23:11	WG2295881
Ethylbenzene	U		0.0212	0.100	1	05/30/2024 23:11	WG2295881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/30/2024 23:11	WG2295881
Isopropylbenzene	U		0.0345	0.100	1	05/30/2024 23:11	WG2295881
p-Isopropyltoluene	U		0.0932	0.200	1	05/30/2024 23:11	WG2295881
2-Butanone (MEK)	U		0.500	1.00	1	05/30/2024 23:11	WG2295881
Methylene Chloride	U		0.265	1.00	1	05/30/2024 23:11	WG2295881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/30/2024 23:11	WG2295881
Methyl tert-butyl ether	U	UJ C3	0.0118	0.0400	1	05/30/2024 23:11	WG2295881
Naphthalene	U	UJ C3 J4	0.124	0.500	1	05/30/2024 23:11	WG2295881
n-Propylbenzene	U		0.0472	0.200	1	05/30/2024 23:11	WG2295881
Styrene	U		0.109	0.500	1	05/30/2024 23:11	WG2295881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/30/2024 23:11	WG2295881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/30/2024 23:11	WG2295881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/30/2024 23:11	WG2295881
Tetrachloroethene	0.0390	J	0.0280	0.100	1	06/02/2024 21:58	WG2296758
Toluene	0.0800	J	0.0500	0.200	1	05/30/2024 23:11	WG2295881
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	05/30/2024 23:11	WG2295881
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/30/2024 23:11	WG2295881
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/30/2024 23:11	WG2295881

JC 7/10/24



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/30/2024 23:11	WG2295881
Trichloroethene	0.802		0.0160	0.0400	1	06/02/2024 21:58	WG2296758
Trichlorofluoromethane	U		0.0200	0.100	1	05/30/2024 23:11	WG2295881
1,2,3-Trichloropropane	U		0.204	0.500	1	05/30/2024 23:11	WG2295881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/30/2024 23:11	WG2295881
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/30/2024 23:11	WG2295881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/30/2024 23:11	WG2295881
Vinyl chloride	0.691	J- C3	0.0273	0.100	1	05/30/2024 23:11	WG2295881
Xylenes, Total	U		0.191	0.260	1	05/30/2024 23:11	WG2295881
Ethyl Ether	U		0.0170	0.100	1	05/30/2024 23:11	WG2295881
Tetrahydrofuran	0.224	J C3 J	0.0900	0.500	1	05/30/2024 23:11	WG2295881
Iodomethane	U		0.242	0.500	1	05/30/2024 23:11	WG2295881
Allyl chloride	U		0.580	1.00	1	05/30/2024 23:11	WG2295881
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/30/2024 23:11	WG2295881
(S) Toluene-d8	105			75.0-131		05/30/2024 23:11	WG2295881
(S) Toluene-d8	100			75.0-131		06/02/2024 21:58	WG2296758
(S) 4-Bromofluorobenzene	97.3			67.0-138		05/30/2024 23:11	WG2295881
(S) 4-Bromofluorobenzene	97.2			67.0-138		06/02/2024 21:58	WG2296758
(S) 1,2-Dichloroethane-d4	93.8			70.0-130		05/30/2024 23:11	WG2295881
(S) 1,2-Dichloroethane-d4	102			70.0-130		06/02/2024 21:58	WG2296758

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/10/24

MW110-052224

SAMPLE RESULTS - 07

Collected date/time: 05/22/24 13:45

L1739788

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/30/2024 22:30	WG2295881
Acrylonitrile	U		0.0760	0.500	1	05/30/2024 22:30	WG2295881
Benzene	0.0590		0.0160	0.0400	1	05/30/2024 22:30	WG2295881
Bromobenzene	U		0.0420	0.500	1	05/30/2024 22:30	WG2295881
Bromodichloromethane	U		0.0315	0.100	1	05/30/2024 22:30	WG2295881
Bromoform	U		0.239	1.00	1	05/30/2024 22:30	WG2295881
Bromomethane	U	UJ C3	0.148	0.500	1	05/30/2024 22:30	WG2295881
n-Butylbenzene	U		0.153	0.500	1	05/30/2024 22:30	WG2295881
sec-Butylbenzene	U		0.101	0.500	1	05/30/2024 22:30	WG2295881
tert-Butylbenzene	U		0.0620	0.200	1	05/30/2024 22:30	WG2295881
Carbon tetrachloride	U		0.0432	0.200	1	05/30/2024 22:30	WG2295881
Chlorobenzene	U		0.0229	0.100	1	05/30/2024 22:30	WG2295881
Chlorodibromomethane	U		0.0180	0.100	1	05/30/2024 22:30	WG2295881
Chloroethane	U		0.0432	0.200	1	05/30/2024 22:30	WG2295881
Chloroform	U		0.0166	0.100	1	05/30/2024 22:30	WG2295881
Chloromethane	U		0.0556	0.500	1	05/30/2024 22:30	WG2295881
2-Chlorotoluene	U		0.0368	0.100	1	05/30/2024 22:30	WG2295881
4-Chlorotoluene	U		0.0452	0.200	1	05/30/2024 22:30	WG2295881
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/30/2024 22:30	WG2295881
1,2-Dibromoethane	U		0.0210	0.100	1	05/30/2024 22:30	WG2295881
Dibromomethane	U		0.0400	0.200	1	05/30/2024 22:30	WG2295881
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/30/2024 22:30	WG2295881
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/30/2024 22:30	WG2295881
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/30/2024 22:30	WG2295881
Dichlorodifluoromethane	U	UJ C3	0.0327	0.200	1	05/30/2024 22:30	WG2295881
1,1-Dichloroethane	U		0.0230	0.100	1	05/30/2024 22:30	WG2295881
1,2-Dichloroethane	U		0.0190	0.100	1	05/30/2024 22:30	WG2295881
1,1-Dichloroethene	2.04		0.0200	0.100	1	05/30/2024 22:30	WG2295881
cis-1,2-Dichloroethene	696		0.552	2.00	20	06/02/2024 22:17	WG2296758
trans-1,2-Dichloroethene	3.19		0.0572	0.200	1	05/30/2024 22:30	WG2295881
1,2-Dichloropropane	U		0.0508	0.200	1	05/30/2024 22:30	WG2295881
1,1-Dichloropropene	U		0.0280	0.100	1	05/30/2024 22:30	WG2295881
1,3-Dichloropropane	U		0.0700	0.200	1	05/30/2024 22:30	WG2295881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/30/2024 22:30	WG2295881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/30/2024 22:30	WG2295881
2,2-Dichloropropane	U		0.0317	0.100	1	05/30/2024 22:30	WG2295881
Di-isopropyl ether	U		0.0140	0.0400	1	05/30/2024 22:30	WG2295881
Ethylbenzene	U		0.0212	0.100	1	05/30/2024 22:30	WG2295881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/30/2024 22:30	WG2295881
Isopropylbenzene	U		0.0345	0.100	1	05/30/2024 22:30	WG2295881
p-Isopropyltoluene	U		0.0932	0.200	1	05/30/2024 22:30	WG2295881
2-Butanone (MEK)	U		0.500	1.00	1	05/30/2024 22:30	WG2295881
Methylene Chloride	U		0.265	1.00	1	05/30/2024 22:30	WG2295881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/30/2024 22:30	WG2295881
Methyl tert-butyl ether	U	UJ C3	0.0118	0.0400	1	05/30/2024 22:30	WG2295881
Naphthalene	U	UJ C3 J4	0.124	0.500	1	05/30/2024 22:30	WG2295881
n-Propylbenzene	U		0.0472	0.200	1	05/30/2024 22:30	WG2295881
Styrene	U		0.109	0.500	1	05/30/2024 22:30	WG2295881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/30/2024 22:30	WG2295881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/30/2024 22:30	WG2295881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/30/2024 22:30	WG2295881
Tetrachloroethene	115		0.560	2.00	20	06/02/2024 22:17	WG2296758
Toluene	0.0740	J	0.0500	0.200	1	05/30/2024 22:30	WG2295881
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	05/30/2024 22:30	WG2295881
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/30/2024 22:30	WG2295881
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/30/2024 22:30	WG2295881

JC 7/10/24

ACCOUNT:

PES Environmental, Inc.- WA

PROJECT:

443022-1413001.10

SDG:

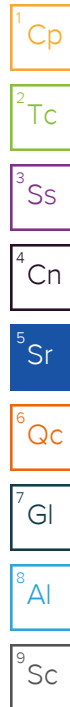
L1739788

DATE/TIME:

06/14/24 09:51

PAGE:

20 of 76



MW110-052224

SAMPLE RESULTS - 07

Collected date/time: 05/22/24 13:45

L1739788

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/30/2024 22:30	WG2295881
Trichloroethene	137		0.320	0.800	20	06/02/2024 22:17	WG2296758
Trichlorofluoromethane	U		0.0200	0.100	1	05/30/2024 22:30	WG2295881
1,2,3-Trichloropropane	U		0.204	0.500	1	05/30/2024 22:30	WG2295881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/30/2024 22:30	WG2295881
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/30/2024 22:30	WG2295881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/30/2024 22:30	WG2295881
Vinyl chloride	0.409	J- C3	0.0273	0.100	1	05/30/2024 22:30	WG2295881
Xylenes, Total	U		0.191	0.260	1	05/30/2024 22:30	WG2295881
Ethyl Ether	U		0.0170	0.100	1	05/30/2024 22:30	WG2295881
Tetrahydrofuran	U		1.80	10.0	20	06/02/2024 22:17	WG2296758
Iodomethane	U		0.242	0.500	1	05/30/2024 22:30	WG2295881
Allyl chloride	U		0.580	1.00	1	05/30/2024 22:30	WG2295881
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/30/2024 22:30	WG2295881
(S) Toluene-d8	105			75.0-131		05/30/2024 22:30	WG2295881
(S) Toluene-d8	98.9			75.0-131		06/02/2024 22:17	WG2296758
(S) 4-Bromofluorobenzene	97.9			67.0-138		05/30/2024 22:30	WG2295881
(S) 4-Bromofluorobenzene	101			67.0-138		06/02/2024 22:17	WG2296758
(S) 1,2-Dichloroethane-d4	91.3			70.0-130		05/30/2024 22:30	WG2295881
(S) 1,2-Dichloroethane-d4	96.6			70.0-130		06/02/2024 22:17	WG2296758

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

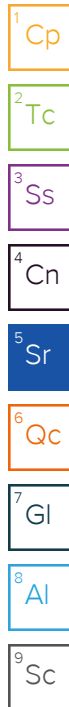
9 Sc

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/30/2024 23:30	WG2295881
Acrylonitrile	U		0.0760	0.500	1	05/30/2024 23:30	WG2295881
Benzene	2.56		0.0160	0.0400	1	05/30/2024 23:30	WG2295881
Bromobenzene	U		0.0420	0.500	1	05/30/2024 23:30	WG2295881
Bromodichloromethane	U		0.0315	0.100	1	05/30/2024 23:30	WG2295881
Bromoform	U		0.239	1.00	1	05/30/2024 23:30	WG2295881
Bromomethane	U	UJ C3	0.148	0.500	1	05/30/2024 23:30	WG2295881
n-Butylbenzene	U		0.153	0.500	1	05/30/2024 23:30	WG2295881
sec-Butylbenzene	U		0.101	0.500	1	05/30/2024 23:30	WG2295881
tert-Butylbenzene	U		0.0620	0.200	1	05/30/2024 23:30	WG2295881
Carbon tetrachloride	U		0.0432	0.200	1	05/30/2024 23:30	WG2295881
Chlorobenzene	U		0.0229	0.100	1	05/30/2024 23:30	WG2295881
Chlorodibromomethane	U		0.0180	0.100	1	05/30/2024 23:30	WG2295881
Chloroethane	U		0.0432	0.200	1	05/30/2024 23:30	WG2295881
Chloroform	U		0.0166	0.100	1	05/30/2024 23:30	WG2295881
Chloromethane	U		0.0556	0.500	1	05/30/2024 23:30	WG2295881
2-Chlorotoluene	U		0.0368	0.100	1	05/30/2024 23:30	WG2295881
4-Chlorotoluene	U		0.0452	0.200	1	05/30/2024 23:30	WG2295881
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/30/2024 23:30	WG2295881
1,2-Dibromoethane	U		0.0210	0.100	1	05/30/2024 23:30	WG2295881
Dibromomethane	U		0.0400	0.200	1	05/30/2024 23:30	WG2295881
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/30/2024 23:30	WG2295881
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/30/2024 23:30	WG2295881
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/30/2024 23:30	WG2295881
Dichlorodifluoromethane	U	UJ C3	0.0327	0.200	1	05/30/2024 23:30	WG2295881
1,1-Dichloroethane	0.0260	J	0.0230	0.100	1	05/30/2024 23:30	WG2295881
1,2-Dichloroethane	U		0.0190	0.100	1	05/30/2024 23:30	WG2295881
1,1-Dichloroethene	1.23		0.0200	0.100	1	05/30/2024 23:30	WG2295881
cis-1,2-Dichloroethene	602		0.552	2.00	20	06/02/2024 22:37	WG2296758
trans-1,2-Dichloroethene	2.79		0.0572	0.200	1	05/30/2024 23:30	WG2295881
1,2-Dichloropropane	U		0.0508	0.200	1	05/30/2024 23:30	WG2295881
1,1-Dichloropropene	U		0.0280	0.100	1	05/30/2024 23:30	WG2295881
1,3-Dichloropropane	U		0.0700	0.200	1	05/30/2024 23:30	WG2295881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/30/2024 23:30	WG2295881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/30/2024 23:30	WG2295881
2,2-Dichloropropane	U		0.0317	0.100	1	05/30/2024 23:30	WG2295881
Di-isopropyl ether	0.0430		0.0140	0.0400	1	05/30/2024 23:30	WG2295881
Ethylbenzene	U		0.0212	0.100	1	05/30/2024 23:30	WG2295881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/30/2024 23:30	WG2295881
Isopropylbenzene	U		0.0345	0.100	1	05/30/2024 23:30	WG2295881
p-Isopropyltoluene	U		0.0932	0.200	1	05/30/2024 23:30	WG2295881
2-Butanone (MEK)	U		0.500	1.00	1	05/30/2024 23:30	WG2295881
Methylene Chloride	U		0.265	1.00	1	05/30/2024 23:30	WG2295881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/30/2024 23:30	WG2295881
Methyl tert-butyl ether	U	UJ C3	0.0118	0.0400	1	05/30/2024 23:30	WG2295881
Naphthalene	U	UJ C3 J4	0.124	0.500	1	05/30/2024 23:30	WG2295881
n-Propylbenzene	U		0.0472	0.200	1	05/30/2024 23:30	WG2295881
Styrene	U		0.109	0.500	1	05/30/2024 23:30	WG2295881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/30/2024 23:30	WG2295881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/30/2024 23:30	WG2295881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/30/2024 23:30	WG2295881
Tetrachloroethene	U		0.0280	0.100	1	05/30/2024 23:30	WG2295881
Toluene	0.0870	J	0.0500	0.200	1	05/30/2024 23:30	WG2295881
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	05/30/2024 23:30	WG2295881
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/30/2024 23:30	WG2295881
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/30/2024 23:30	WG2295881

JC 7/10/24



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/30/2024 23:30	WG2295881
Trichloroethene	0.359		0.0160	0.0400	1	05/30/2024 23:30	WG2295881
Trichlorofluoromethane	U		0.0200	0.100	1	05/30/2024 23:30	WG2295881
1,2,3-Trichloropropane	U		0.204	0.500	1	05/30/2024 23:30	WG2295881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/30/2024 23:30	WG2295881
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/30/2024 23:30	WG2295881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/30/2024 23:30	WG2295881
Vinyl chloride	62.7	J- C3	0.0273	0.100	1	05/30/2024 23:30	WG2295881
Xylenes, Total	U		0.191	0.260	1	05/30/2024 23:30	WG2295881
Ethyl Ether	0.243		0.0170	0.100	1	05/30/2024 23:30	WG2295881
Tetrahydrofuran	0.597	J- C3	0.0900	0.500	1	05/30/2024 23:30	WG2295881
Iodomethane	U		0.242	0.500	1	05/30/2024 23:30	WG2295881
Allyl chloride	U		0.580	1.00	1	05/30/2024 23:30	WG2295881
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/30/2024 23:30	WG2295881
(S) Toluene-d8	104			75.0-131		05/30/2024 23:30	WG2295881
(S) Toluene-d8	98.3			75.0-131		06/02/2024 22:37	WG2296758
(S) 4-Bromofluorobenzene	98.9			67.0-138		05/30/2024 23:30	WG2295881
(S) 4-Bromofluorobenzene	103			67.0-138		06/02/2024 22:37	WG2296758
(S) 1,2-Dichloroethane-d4	92.1			70.0-130		05/30/2024 23:30	WG2295881
(S) 1,2-Dichloroethane-d4	102			70.0-130		06/02/2024 22:37	WG2296758

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

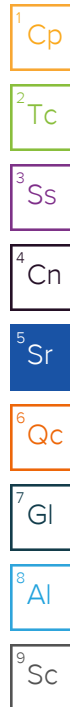
8Al

9Sc

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/30/2024 23:49	WG2295881
Acrylonitrile	U		0.0760	0.500	1	05/30/2024 23:49	WG2295881
Benzene	0.0450		0.0160	0.0400	1	05/30/2024 23:49	WG2295881
Bromobenzene	U		0.0420	0.500	1	05/30/2024 23:49	WG2295881
Bromodichloromethane	U		0.0315	0.100	1	05/30/2024 23:49	WG2295881
Bromoform	U		0.239	1.00	1	05/30/2024 23:49	WG2295881
Bromomethane	U	UJ C3	0.148	0.500	1	05/30/2024 23:49	WG2295881
n-Butylbenzene	U		0.153	0.500	1	05/30/2024 23:49	WG2295881
sec-Butylbenzene	U		0.101	0.500	1	05/30/2024 23:49	WG2295881
tert-Butylbenzene	U		0.0620	0.200	1	05/30/2024 23:49	WG2295881
Carbon tetrachloride	U		0.0432	0.200	1	05/30/2024 23:49	WG2295881
Chlorobenzene	U		0.0229	0.100	1	05/30/2024 23:49	WG2295881
Chlorodibromomethane	U		0.0180	0.100	1	05/30/2024 23:49	WG2295881
Chloroethane	U		0.0432	0.200	1	05/30/2024 23:49	WG2295881
Chloroform	U		0.0166	0.100	1	05/30/2024 23:49	WG2295881
Chloromethane	U		0.0556	0.500	1	05/30/2024 23:49	WG2295881
2-Chlorotoluene	U		0.0368	0.100	1	05/30/2024 23:49	WG2295881
4-Chlorotoluene	U		0.0452	0.200	1	05/30/2024 23:49	WG2295881
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/30/2024 23:49	WG2295881
1,2-Dibromoethane	U		0.0210	0.100	1	05/30/2024 23:49	WG2295881
Dibromomethane	U		0.0400	0.200	1	05/30/2024 23:49	WG2295881
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/30/2024 23:49	WG2295881
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/30/2024 23:49	WG2295881
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/30/2024 23:49	WG2295881
Dichlorodifluoromethane	U	UJ C3	0.0327	0.200	1	05/30/2024 23:49	WG2295881
1,1-Dichloroethane	0.116		0.0230	0.100	1	05/30/2024 23:49	WG2295881
1,2-Dichloroethane	U		0.0190	0.100	1	05/30/2024 23:49	WG2295881
1,1-Dichloroethene	2.68		0.0200	0.100	1	05/30/2024 23:49	WG2295881
cis-1,2-Dichloroethene	547		0.552	2.00	20	06/02/2024 22:56	WG2296758
trans-1,2-Dichloroethene	0.671		0.0572	0.200	1	05/30/2024 23:49	WG2295881
1,2-Dichloropropane	U		0.0508	0.200	1	05/30/2024 23:49	WG2295881
1,1-Dichloropropene	U		0.0280	0.100	1	05/30/2024 23:49	WG2295881
1,3-Dichloropropane	U		0.0700	0.200	1	05/30/2024 23:49	WG2295881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/30/2024 23:49	WG2295881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/30/2024 23:49	WG2295881
2,2-Dichloropropane	U		0.0317	0.100	1	05/30/2024 23:49	WG2295881
Di-isopropyl ether	U		0.0140	0.0400	1	05/30/2024 23:49	WG2295881
Ethylbenzene	U		0.0212	0.100	1	05/30/2024 23:49	WG2295881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/30/2024 23:49	WG2295881
Isopropylbenzene	U		0.0345	0.100	1	05/30/2024 23:49	WG2295881
p-Isopropyltoluene	U		0.0932	0.200	1	05/30/2024 23:49	WG2295881
2-Butanone (MEK)	U		0.500	1.00	1	05/30/2024 23:49	WG2295881
Methylene Chloride	U		0.265	1.00	1	05/30/2024 23:49	WG2295881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/30/2024 23:49	WG2295881
Methyl tert-butyl ether	U	UJ C3	0.0118	0.0400	1	05/30/2024 23:49	WG2295881
Naphthalene	U	UJ C3 J4	0.124	0.500	1	05/30/2024 23:49	WG2295881
n-Propylbenzene	U		0.0472	0.200	1	05/30/2024 23:49	WG2295881
Styrene	U		0.109	0.500	1	05/30/2024 23:49	WG2295881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/30/2024 23:49	WG2295881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/30/2024 23:49	WG2295881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/30/2024 23:49	WG2295881
Tetrachloroethene	U		0.0280	0.100	1	05/30/2024 23:49	WG2295881
Toluene	0.0800	J	0.0500	0.200	1	05/30/2024 23:49	WG2295881
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	05/30/2024 23:49	WG2295881
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/30/2024 23:49	WG2295881
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/30/2024 23:49	WG2295881



JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/30/2024 23:49	WG2295881
Trichloroethene	0.0700		0.0160	0.0400	1	05/30/2024 23:49	WG2295881
Trichlorofluoromethane	U		0.0200	0.100	1	05/30/2024 23:49	WG2295881
1,2,3-Trichloropropane	U		0.204	0.500	1	05/30/2024 23:49	WG2295881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/30/2024 23:49	WG2295881
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/30/2024 23:49	WG2295881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/30/2024 23:49	WG2295881
Vinyl chloride	62.5	J- C3	0.0273	0.100	1	05/30/2024 23:49	WG2295881
Xylenes, Total	U		0.191	0.260	1	05/30/2024 23:49	WG2295881
Ethyl Ether	0.0700	J	0.0170	0.100	1	05/30/2024 23:49	WG2295881
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/30/2024 23:49	WG2295881
Iodomethane	U		0.242	0.500	1	05/30/2024 23:49	WG2295881
Allyl chloride	U		0.580	1.00	1	05/30/2024 23:49	WG2295881
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/30/2024 23:49	WG2295881
(S) Toluene-d8	105			75.0-131		05/30/2024 23:49	WG2295881
(S) Toluene-d8	103			75.0-131		06/02/2024 22:56	WG2296758
(S) 4-Bromofluorobenzene	96.4			67.0-138		05/30/2024 23:49	WG2295881
(S) 4-Bromofluorobenzene	96.8			67.0-138		06/02/2024 22:56	WG2296758
(S) 1,2-Dichloroethane-d4	92.3			70.0-130		05/30/2024 23:49	WG2295881
(S) 1,2-Dichloroethane-d4	98.6			70.0-130		06/02/2024 22:56	WG2296758

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

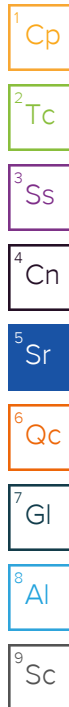
9 Sc

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/31/2024 00:08	WG2295881
Acrylonitrile	U		0.0760	0.500	1	05/31/2024 00:08	WG2295881
Benzene	U		0.0160	0.0400	1	05/31/2024 00:08	WG2295881
Bromobenzene	U		0.0420	0.500	1	05/31/2024 00:08	WG2295881
Bromodichloromethane	U		0.0315	0.100	1	05/31/2024 00:08	WG2295881
Bromoform	U		0.239	1.00	1	05/31/2024 00:08	WG2295881
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2024 00:08	WG2295881
n-Butylbenzene	U		0.153	0.500	1	05/31/2024 00:08	WG2295881
sec-Butylbenzene	U		0.101	0.500	1	05/31/2024 00:08	WG2295881
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2024 00:08	WG2295881
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2024 00:08	WG2295881
Chlorobenzene	U		0.0229	0.100	1	05/31/2024 00:08	WG2295881
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2024 00:08	WG2295881
Chloroethane	U		0.0432	0.200	1	05/31/2024 00:08	WG2295881
Chloroform	U		0.0166	0.100	1	05/31/2024 00:08	WG2295881
Chloromethane	U		0.0556	0.500	1	05/31/2024 00:08	WG2295881
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2024 00:08	WG2295881
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2024 00:08	WG2295881
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/31/2024 00:08	WG2295881
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2024 00:08	WG2295881
Dibromomethane	U		0.0400	0.200	1	05/31/2024 00:08	WG2295881
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2024 00:08	WG2295881
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2024 00:08	WG2295881
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2024 00:08	WG2295881
Dichlorodifluoromethane	U	UJ C3	0.0327	0.200	1	05/31/2024 00:08	WG2295881
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2024 00:08	WG2295881
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2024 00:08	WG2295881
1,1-Dichloroethene	0.945		0.0200	0.100	1	05/31/2024 00:08	WG2295881
cis-1,2-Dichloroethene	21.5		0.0276	0.100	1	06/02/2024 23:15	WG2296758
trans-1,2-Dichloroethene	0.223		0.0572	0.200	1	05/31/2024 00:08	WG2295881
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2024 00:08	WG2295881
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2024 00:08	WG2295881
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2024 00:08	WG2295881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2024 00:08	WG2295881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2024 00:08	WG2295881
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2024 00:08	WG2295881
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2024 00:08	WG2295881
Ethylbenzene	U		0.0212	0.100	1	05/31/2024 00:08	WG2295881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2024 00:08	WG2295881
Isopropylbenzene	U		0.0345	0.100	1	05/31/2024 00:08	WG2295881
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2024 00:08	WG2295881
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2024 00:08	WG2295881
Methylene Chloride	U		0.265	1.00	1	05/31/2024 00:08	WG2295881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2024 00:08	WG2295881
Methyl tert-butyl ether	U	UJ C3	0.0118	0.0400	1	05/31/2024 00:08	WG2295881
Naphthalene	U	UJ C3 J4	0.124	0.500	1	05/31/2024 00:08	WG2295881
n-Propylbenzene	U		0.0472	0.200	1	05/31/2024 00:08	WG2295881
Styrene	U		0.109	0.500	1	05/31/2024 00:08	WG2295881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2024 00:08	WG2295881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2024 00:08	WG2295881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/31/2024 00:08	WG2295881
Tetrachloroethene	U		0.0280	0.100	1	05/31/2024 00:08	WG2295881
Toluene	0.0900	J	0.0500	0.200	1	05/31/2024 00:08	WG2295881
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	05/31/2024 00:08	WG2295881
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/31/2024 00:08	WG2295881
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2024 00:08	WG2295881

JC 7/10/24



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/31/2024 00:08	WG2295881
Trichloroethene	3.13		0.0160	0.0400	1	05/31/2024 00:08	WG2295881
Trichlorofluoromethane	U		0.0200	0.100	1	05/31/2024 00:08	WG2295881
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2024 00:08	WG2295881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/31/2024 00:08	WG2295881
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/31/2024 00:08	WG2295881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2024 00:08	WG2295881
Vinyl chloride	0.340	J- C3	0.0273	0.100	1	05/31/2024 00:08	WG2295881
Xylenes, Total	U		0.191	0.260	1	05/31/2024 00:08	WG2295881
Ethyl Ether	U		0.0170	0.100	1	05/31/2024 00:08	WG2295881
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/31/2024 00:08	WG2295881
Iodomethane	U		0.242	0.500	1	05/31/2024 00:08	WG2295881
Allyl chloride	U		0.580	1.00	1	05/31/2024 00:08	WG2295881
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/31/2024 00:08	WG2295881
(S) Toluene-d8	102			75.0-131		05/31/2024 00:08	WG2295881
(S) Toluene-d8	100			75.0-131		06/02/2024 23:15	WG2296758
(S) 4-Bromofluorobenzene	98.0			67.0-138		05/31/2024 00:08	WG2295881
(S) 4-Bromofluorobenzene	102			67.0-138		06/02/2024 23:15	WG2296758
(S) 1,2-Dichloroethane-d4	93.8			70.0-130		05/31/2024 00:08	WG2295881
(S) 1,2-Dichloroethane-d4	102			70.0-130		06/02/2024 23:15	WG2296758

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/10/24

R-MW6-052224

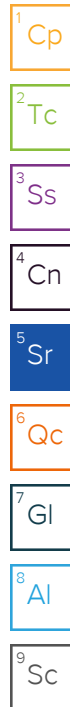
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L1739788

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/31/2024 00:27	WG2295881
Acrylonitrile	U		0.0760	0.500	1	05/31/2024 00:27	WG2295881
Benzene	0.0510		0.0160	0.0400	1	05/31/2024 00:27	WG2295881
Bromobenzene	U		0.0420	0.500	1	05/31/2024 00:27	WG2295881
Bromodichloromethane	U		0.0315	0.100	1	05/31/2024 00:27	WG2295881
Bromoform	U		0.239	1.00	1	05/31/2024 00:27	WG2295881
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2024 00:27	WG2295881
n-Butylbenzene	U		0.153	0.500	1	05/31/2024 00:27	WG2295881
sec-Butylbenzene	U		0.101	0.500	1	05/31/2024 00:27	WG2295881
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2024 00:27	WG2295881
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2024 00:27	WG2295881
Chlorobenzene	U		0.0229	0.100	1	05/31/2024 00:27	WG2295881
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2024 00:27	WG2295881
Chloroethane	U		0.0432	0.200	1	05/31/2024 00:27	WG2295881
Chloroform	U		0.0166	0.100	1	05/31/2024 00:27	WG2295881
Chloromethane	U		0.0556	0.500	1	05/31/2024 00:27	WG2295881
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2024 00:27	WG2295881
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2024 00:27	WG2295881
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/31/2024 00:27	WG2295881
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2024 00:27	WG2295881
Dibromomethane	U		0.0400	0.200	1	05/31/2024 00:27	WG2295881
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2024 00:27	WG2295881
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2024 00:27	WG2295881
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2024 00:27	WG2295881
Dichlorodifluoromethane	U	UJ C3	0.0327	0.200	1	05/31/2024 00:27	WG2295881
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2024 00:27	WG2295881
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2024 00:27	WG2295881
1,1-Dichloroethene	U		0.0200	0.100	1	05/31/2024 00:27	WG2295881
cis-1,2-Dichloroethene	2.29		0.0276	0.100	1	06/02/2024 23:34	WG2296758
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/31/2024 00:27	WG2295881
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2024 00:27	WG2295881
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2024 00:27	WG2295881
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2024 00:27	WG2295881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2024 00:27	WG2295881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2024 00:27	WG2295881
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2024 00:27	WG2295881
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2024 00:27	WG2295881
Ethylbenzene	U		0.0212	0.100	1	05/31/2024 00:27	WG2295881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2024 00:27	WG2295881
Isopropylbenzene	U		0.0345	0.100	1	05/31/2024 00:27	WG2295881
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2024 00:27	WG2295881
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2024 00:27	WG2295881
Methylene Chloride	U		0.265	1.00	1	05/31/2024 00:27	WG2295881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2024 00:27	WG2295881
Methyl tert-butyl ether	U	UJ C3	0.0118	0.0400	1	05/31/2024 00:27	WG2295881
Naphthalene	U	UJ C3 J4	0.124	0.500	1	05/31/2024 00:27	WG2295881
n-Propylbenzene	U		0.0472	0.200	1	05/31/2024 00:27	WG2295881
Styrene	U		0.109	0.500	1	05/31/2024 00:27	WG2295881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2024 00:27	WG2295881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2024 00:27	WG2295881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/31/2024 00:27	WG2295881
Tetrachloroethene	U		0.0280	0.100	1	05/31/2024 00:27	WG2295881
Toluene	0.119	J	0.0500	0.200	1	05/31/2024 00:27	WG2295881
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	05/31/2024 00:27	WG2295881
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/31/2024 00:27	WG2295881
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2024 00:27	WG2295881



JC 7/10/24

ACCOUNT:

PES Environmental, Inc.- WA

PROJECT:

443022-1413001.10

SDG:

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DATE/TIME:

06/14/24 09:51

PAGE:

28 of 76

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/31/2024 00:27	WG2295881
Trichloroethene	0.120		0.0160	0.0400	1	05/31/2024 00:27	WG2295881
Trichlorofluoromethane	U		0.0200	0.100	1	05/31/2024 00:27	WG2295881
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2024 00:27	WG2295881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/31/2024 00:27	WG2295881
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/31/2024 00:27	WG2295881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2024 00:27	WG2295881
Vinyl chloride	1.25	J- C3	0.0273	0.100	1	05/31/2024 00:27	WG2295881
Xylenes, Total	U		0.191	0.260	1	05/31/2024 00:27	WG2295881
Ethyl Ether	U		0.0170	0.100	1	05/31/2024 00:27	WG2295881
Tetrahydrofuran	0.601	J- C3	0.0900	0.500	1	05/31/2024 00:27	WG2295881
Iodomethane	U		0.242	0.500	1	05/31/2024 00:27	WG2295881
Allyl chloride	U		0.580	1.00	1	05/31/2024 00:27	WG2295881
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/31/2024 00:27	WG2295881
(S) Toluene-d8	103			75.0-131		05/31/2024 00:27	WG2295881
(S) Toluene-d8	97.7			75.0-131		06/02/2024 23:34	WG2296758
(S) 4-Bromofluorobenzene	96.3			67.0-138		05/31/2024 00:27	WG2295881
(S) 4-Bromofluorobenzene	102			67.0-138		06/02/2024 23:34	WG2296758
(S) 1,2-Dichloroethane-d4	93.8			70.0-130		05/31/2024 00:27	WG2295881
(S) 1,2-Dichloroethane-d4	101			70.0-130		06/02/2024 23:34	WG2296758

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

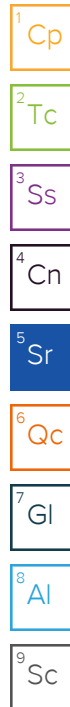
7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	10.5		0.548	1.00	1	05/31/2024 00:46	WG2295881
Acrylonitrile	U		0.0760	0.500	1	05/31/2024 00:46	WG2295881
Benzene	0.124		0.0160	0.0400	1	05/31/2024 00:46	WG2295881
Bromobenzene	U		0.0420	0.500	1	05/31/2024 00:46	WG2295881
Bromodichloromethane	U		0.0315	0.100	1	05/31/2024 00:46	WG2295881
Bromoform	U		0.239	1.00	1	05/31/2024 00:46	WG2295881
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2024 00:46	WG2295881
n-Butylbenzene	U		0.153	0.500	1	05/31/2024 00:46	WG2295881
sec-Butylbenzene	U		0.101	0.500	1	05/31/2024 00:46	WG2295881
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2024 00:46	WG2295881
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2024 00:46	WG2295881
Chlorobenzene	U		0.0229	0.100	1	05/31/2024 00:46	WG2295881
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2024 00:46	WG2295881
Chloroethane	U		0.0432	0.200	1	05/31/2024 00:46	WG2295881
Chloroform	U		0.0166	0.100	1	05/31/2024 00:46	WG2295881
Chloromethane	U		0.0556	0.500	1	05/31/2024 00:46	WG2295881
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2024 00:46	WG2295881
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2024 00:46	WG2295881
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/31/2024 00:46	WG2295881
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2024 00:46	WG2295881
Dibromomethane	U		0.0400	0.200	1	05/31/2024 00:46	WG2295881
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2024 00:46	WG2295881
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2024 00:46	WG2295881
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2024 00:46	WG2295881
Dichlorodifluoromethane	U	UJ C3	0.0327	0.200	1	05/31/2024 00:46	WG2295881
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2024 00:46	WG2295881
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2024 00:46	WG2295881
1,1-Dichloroethene	U		0.0200	0.100	1	05/31/2024 00:46	WG2295881
cis-1,2-Dichloroethene	5.71	J- C3	0.0276	0.100	1	05/31/2024 00:46	WG2295881
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/31/2024 00:46	WG2295881
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2024 00:46	WG2295881
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2024 00:46	WG2295881
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2024 00:46	WG2295881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2024 00:46	WG2295881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2024 00:46	WG2295881
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2024 00:46	WG2295881
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2024 00:46	WG2295881
Ethylbenzene	0.0680	J	0.0212	0.100	1	05/31/2024 00:46	WG2295881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2024 00:46	WG2295881
Isopropylbenzene	U		0.0345	0.100	1	05/31/2024 00:46	WG2295881
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2024 00:46	WG2295881
2-Butanone (MEK)	3.73	J+ C5	0.500	1.00	1	05/31/2024 00:46	WG2295881
Methylene Chloride	U		0.265	1.00	1	05/31/2024 00:46	WG2295881
4-Methyl-2-pentanone (MIBK)	0.593	J	0.400	1.00	1	05/31/2024 00:46	WG2295881
Methyl tert-butyl ether	U	UJ C3	0.0118	0.0400	1	05/31/2024 00:46	WG2295881
Naphthalene	U	UJ C3 J4	0.124	0.500	1	05/31/2024 00:46	WG2295881
n-Propylbenzene	U		0.0472	0.200	1	05/31/2024 00:46	WG2295881
Styrene	U		0.109	0.500	1	05/31/2024 00:46	WG2295881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2024 00:46	WG2295881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2024 00:46	WG2295881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/31/2024 00:46	WG2295881
Tetrachloroethene	0.0840	J	0.0280	0.100	1	05/31/2024 00:46	WG2295881
Toluene	0.538		0.0500	0.200	1	05/31/2024 00:46	WG2295881
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	05/31/2024 00:46	WG2295881
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/31/2024 00:46	WG2295881
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2024 00:46	WG2295881



JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/31/2024 00:46	WG2295881
Trichloroethene	0.301		0.0160	0.0400	1	05/31/2024 00:46	WG2295881
Trichlorofluoromethane	U		0.0200	0.100	1	05/31/2024 00:46	WG2295881
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2024 00:46	WG2295881
1,2,4-Trimethylbenzene	0.0720	J	0.0464	0.200	1	05/31/2024 00:46	WG2295881
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/31/2024 00:46	WG2295881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2024 00:46	WG2295881
Vinyl chloride	5.15	J- C3	0.0273	0.100	1	05/31/2024 00:46	WG2295881
Xylenes, Total	0.476		0.191	0.260	1	05/31/2024 00:46	WG2295881
Ethyl Ether	U		0.0170	0.100	1	05/31/2024 00:46	WG2295881
Tetrahydrofuran	4.75	J- C3	0.0900	0.500	1	05/31/2024 00:46	WG2295881
Iodomethane	U		0.242	0.500	1	05/31/2024 00:46	WG2295881
Allyl chloride	U		0.580	1.00	1	05/31/2024 00:46	WG2295881
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/31/2024 00:46	WG2295881
(S) Toluene-d8	102			75.0-131		05/31/2024 00:46	WG2295881
(S) 4-Bromofluorobenzene	102			67.0-138		05/31/2024 00:46	WG2295881
(S) 1,2-Dichloroethane-d4	97.2			70.0-130		05/31/2024 00:46	WG2295881

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

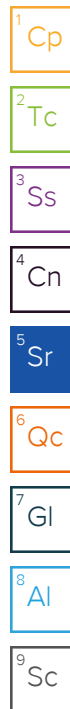
9Sc

JC 7/10/24

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

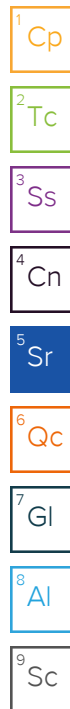
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	15.0	J	0.548	1.00	1	05/31/2024 01:05	WG2295881
Acrylonitrile	U	UJ	0.0760	0.500	1	05/31/2024 01:05	WG2295881
Benzene	U		0.0160	0.0400	1	05/31/2024 01:05	WG2295881
Bromobenzene	U		0.0420	0.500	1	05/31/2024 01:05	WG2295881
Bromodichloromethane	U		0.0315	0.100	1	05/31/2024 01:05	WG2295881
Bromoform	U		0.239	1.00	1	05/31/2024 01:05	WG2295881
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2024 01:05	WG2295881
n-Butylbenzene	U		0.153	0.500	1	05/31/2024 01:05	WG2295881
sec-Butylbenzene	U		0.101	0.500	1	05/31/2024 01:05	WG2295881
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2024 01:05	WG2295881
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2024 01:05	WG2295881
Chlorobenzene	U		0.0229	0.100	1	05/31/2024 01:05	WG2295881
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2024 01:05	WG2295881
Chloroethane	U		0.0432	0.200	1	05/31/2024 01:05	WG2295881
Chloroform	U		0.0166	0.100	1	05/31/2024 01:05	WG2295881
Chloromethane	U		0.0556	0.500	1	05/31/2024 01:05	WG2295881
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2024 01:05	WG2295881
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2024 01:05	WG2295881
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/31/2024 01:05	WG2295881
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2024 01:05	WG2295881
Dibromomethane	U		0.0400	0.200	1	05/31/2024 01:05	WG2295881
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2024 01:05	WG2295881
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2024 01:05	WG2295881
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2024 01:05	WG2295881
Dichlorodifluoromethane	U	UJ C3	0.0327	0.200	1	05/31/2024 01:05	WG2295881
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2024 01:05	WG2295881
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2024 01:05	WG2295881
1,1-Dichloroethene	U	UJ	0.0200	0.100	1	05/31/2024 01:05	WG2295881
cis-1,2-Dichloroethene	0.165	J- C3	0.0276	0.100	1	05/31/2024 01:05	WG2295881
trans-1,2-Dichloroethene	U	UJ	0.0572	0.200	1	05/31/2024 01:05	WG2295881
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2024 01:05	WG2295881
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2024 01:05	WG2295881
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2024 01:05	WG2295881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2024 01:05	WG2295881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2024 01:05	WG2295881
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2024 01:05	WG2295881
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2024 01:05	WG2295881
Ethylbenzene	U		0.0212	0.100	1	05/31/2024 01:05	WG2295881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2024 01:05	WG2295881
Isopropylbenzene	U		0.0345	0.100	1	05/31/2024 01:05	WG2295881
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2024 01:05	WG2295881
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2024 01:05	WG2295881
Methylene Chloride	U		0.265	1.00	1	05/31/2024 01:05	WG2295881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2024 01:05	WG2295881
Methyl tert-butyl ether	U	UJ C3	0.0118	0.0400	1	05/31/2024 01:05	WG2295881
Naphthalene	U	UJ C3 J4	0.124	0.500	1	05/31/2024 01:05	WG2295881
n-Propylbenzene	U		0.0472	0.200	1	05/31/2024 01:05	WG2295881
Styrene	U		0.109	0.500	1	05/31/2024 01:05	WG2295881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2024 01:05	WG2295881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2024 01:05	WG2295881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/31/2024 01:05	WG2295881
Tetrachloroethene	U	UJ	0.0280	0.100	1	05/31/2024 01:05	WG2295881
Toluene	0.0810	J	0.0500	0.200	1	05/31/2024 01:05	WG2295881
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	05/31/2024 01:05	WG2295881
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/31/2024 01:05	WG2295881
1,1,1-Trichloroethane	U	UJ	0.0110	0.100	1	05/31/2024 01:05	WG2295881

JC 7/10/24



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U	UJ	0.0353	0.100	1	05/31/2024 01:05	WG2295881
Trichloroethene	0.0440	J	0.0160	0.0400	1	05/31/2024 01:05	WG2295881
Trichlorofluoromethane	U	UJ	0.0200	0.100	1	05/31/2024 01:05	WG2295881
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2024 01:05	WG2295881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/31/2024 01:05	WG2295881
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/31/2024 01:05	WG2295881
1,3,5-Trimethylbenzene	U	UJ	0.0432	0.200	1	05/31/2024 01:05	WG2295881
Vinyl chloride	0.595	J- C3	0.0273	0.100	1	05/31/2024 01:05	WG2295881
Xylenes, Total	U	UJ	0.191	0.260	1	05/31/2024 01:05	WG2295881
Ethyl Ether	U		0.0170	0.100	1	05/31/2024 01:05	WG2295881
Tetrahydrofuran	2.33	J- C3	0.0900	0.500	1	05/31/2024 01:05	WG2295881
Iodomethane	U	UJ	0.242	0.500	1	05/31/2024 01:05	WG2295881
Allyl chloride	U		0.580	1.00	1	05/31/2024 01:05	WG2295881
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/31/2024 01:05	WG2295881
(S) Toluene-d8	104			75.0-131		05/31/2024 01:05	WG2295881
(S) 4-Bromofluorobenzene	96.8			67.0-138		05/31/2024 01:05	WG2295881
(S) 1,2-Dichloroethane-d4	97.4			70.0-130		05/31/2024 01:05	WG2295881



JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	2790	J	594	5000	1	06/09/2024 11:15	WG2299419

1
Cp

2
Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	6830		102	1000	1	06/10/2024 04:31	WG2300561

3
Ss

4
Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	4500		28.1	100	1	06/02/2024 21:06	WG2295554
Manganese	967		0.704	5.00	1	06/02/2024 21:06	WG2295554

5
Sr

6
Qc

7
Gl

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	17500		2.87	6.78	10	05/31/2024 15:56	WG2296404
Ethane	76.5		0.296	1.29	1	05/31/2024 10:03	WG2294780
Ethene	U		0.422	1.27	1	05/31/2024 10:03	WG2294780

8
Al

9
Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	3.46		0.548	1.00	1	05/31/2024 01:24	WG2295881
Acrylonitrile	U		0.0760	0.500	1	05/31/2024 01:24	WG2295881
Benzene	0.0390	J	0.0160	0.0400	1	05/31/2024 01:24	WG2295881
Bromobenzene	U		0.0420	0.500	1	05/31/2024 01:24	WG2295881
Bromodichloromethane	U		0.0315	0.100	1	05/31/2024 01:24	WG2295881
Bromoform	U		0.239	1.00	1	05/31/2024 01:24	WG2295881
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2024 01:24	WG2295881
n-Butylbenzene	U		0.153	0.500	1	05/31/2024 01:24	WG2295881
sec-Butylbenzene	U		0.101	0.500	1	05/31/2024 01:24	WG2295881
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2024 01:24	WG2295881
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2024 01:24	WG2295881
Chlorobenzene	U		0.0229	0.100	1	05/31/2024 01:24	WG2295881
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2024 01:24	WG2295881
Chloroethane	U		0.0432	0.200	1	05/31/2024 01:24	WG2295881
Chloroform	U		0.0166	0.100	1	05/31/2024 01:24	WG2295881
Chloromethane	U		0.0556	0.500	1	05/31/2024 01:24	WG2295881
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2024 01:24	WG2295881
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2024 01:24	WG2295881
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/31/2024 01:24	WG2295881
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2024 01:24	WG2295881
Dibromomethane	U		0.0400	0.200	1	05/31/2024 01:24	WG2295881
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2024 01:24	WG2295881
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2024 01:24	WG2295881
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2024 01:24	WG2295881
Dichlorodifluoromethane	U	UJ C3	0.0327	0.200	1	05/31/2024 01:24	WG2295881
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2024 01:24	WG2295881
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2024 01:24	WG2295881
1,1-Dichloroethene	U		0.0200	0.100	1	05/31/2024 01:24	WG2295881
cis-1,2-Dichloroethene	2.63	J- C3	0.0276	0.100	1	05/31/2024 01:24	WG2295881
trans-1,2-Dichloroethene	1.94		0.0572	0.200	1	05/31/2024 01:24	WG2295881
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2024 01:24	WG2295881

JC 7/10/24

MW107-052224

SAMPLE RESULTS - 14

Collected date/time: 05/22/24 08:48

L1739788

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2024 01:24	WG2295881
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2024 01:24	WG2295881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2024 01:24	WG2295881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2024 01:24	WG2295881
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2024 01:24	WG2295881
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2024 01:24	WG2295881
Ethylbenzene	U		0.0212	0.100	1	05/31/2024 01:24	WG2295881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2024 01:24	WG2295881
Isopropylbenzene	0.0410	<u>J</u>	0.0345	0.100	1	05/31/2024 01:24	WG2295881
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2024 01:24	WG2295881
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2024 01:24	WG2295881
Methylene Chloride	U		0.265	1.00	1	05/31/2024 01:24	WG2295881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2024 01:24	WG2295881
Methyl tert-butyl ether	U	UJ <u>C3</u>	0.0118	0.0400	1	05/31/2024 01:24	WG2295881
Naphthalene	U	UJ <u>C3 J4</u>	0.124	0.500	1	05/31/2024 01:24	WG2295881
n-Propylbenzene	U		0.0472	0.200	1	05/31/2024 01:24	WG2295881
Styrene	U		0.109	0.500	1	05/31/2024 01:24	WG2295881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2024 01:24	WG2295881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2024 01:24	WG2295881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/31/2024 01:24	WG2295881
Tetrachloroethene	0.303		0.0280	0.100	1	05/31/2024 01:24	WG2295881
Toluene	0.0940	<u>J</u>	0.0500	0.200	1	05/31/2024 01:24	WG2295881
1,2,3-Trichlorobenzene	U	UJ <u>C3 J4</u>	0.0250	0.500	1	05/31/2024 01:24	WG2295881
1,2,4-Trichlorobenzene	U	UJ <u>C3 J4</u>	0.193	0.500	1	05/31/2024 01:24	WG2295881
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2024 01:24	WG2295881
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/31/2024 01:24	WG2295881
Trichloroethene	1.33		0.0160	0.0400	1	05/31/2024 01:24	WG2295881
Trichlorofluoromethane	U		0.0200	0.100	1	05/31/2024 01:24	WG2295881
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2024 01:24	WG2295881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/31/2024 01:24	WG2295881
1,2,3-Trimethylbenzene	U	UJ <u>C3</u>	0.0460	0.200	1	05/31/2024 01:24	WG2295881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2024 01:24	WG2295881
Vinyl chloride	0.265	J- <u>C3</u>	0.0273	0.100	1	05/31/2024 01:24	WG2295881
Xylenes, Total	0.242	<u>J</u>	0.191	0.260	1	05/31/2024 01:24	WG2295881
Ethyl Ether	U		0.0170	0.100	1	05/31/2024 01:24	WG2295881
Tetrahydrofuran	1.21	J- <u>C3</u>	0.0900	0.500	1	05/31/2024 01:24	WG2295881
Iodomethane	U		0.242	0.500	1	05/31/2024 01:24	WG2295881
Allyl chloride	U		0.580	1.00	1	05/31/2024 01:24	WG2295881
Trans-1,4-Dichloro-2-butene	U	UJ <u>C3</u>	0.0560	0.200	1	05/31/2024 01:24	WG2295881
(S) Toluene-d8	107			75.0-131		05/31/2024 01:24	WG2295881
(S) 4-Bromofluorobenzene	98.5			67.0-138		05/31/2024 01:24	WG2295881
(S) 1,2-Dichloroethane-d4	94.9			70.0-130		05/31/2024 01:24	WG2295881

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/10/24

MW-989-052224

SAMPLE RESULTS - 15

Collected date/time: 05/22/24 12:00

L1739788

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	05/31/2024 01:43	WG2295881
Acrylonitrile	U		0.0760	0.500	1	05/31/2024 01:43	WG2295881
Benzene	U		0.0160	0.0400	1	05/31/2024 01:43	WG2295881
Bromobenzene	U		0.0420	0.500	1	05/31/2024 01:43	WG2295881
Bromodichloromethane	U		0.0315	0.100	1	05/31/2024 01:43	WG2295881
Bromoform	U		0.239	1.00	1	05/31/2024 01:43	WG2295881
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2024 01:43	WG2295881
n-Butylbenzene	U		0.153	0.500	1	05/31/2024 01:43	WG2295881
sec-Butylbenzene	U		0.101	0.500	1	05/31/2024 01:43	WG2295881
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2024 01:43	WG2295881
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2024 01:43	WG2295881
Chlorobenzene	U		0.0229	0.100	1	05/31/2024 01:43	WG2295881
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2024 01:43	WG2295881
Chloroethane	U		0.0432	0.200	1	05/31/2024 01:43	WG2295881
Chloroform	U		0.0166	0.100	1	05/31/2024 01:43	WG2295881
Chloromethane	U		0.0556	0.500	1	05/31/2024 01:43	WG2295881
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2024 01:43	WG2295881
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2024 01:43	WG2295881
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/31/2024 01:43	WG2295881
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2024 01:43	WG2295881
Dibromomethane	U		0.0400	0.200	1	05/31/2024 01:43	WG2295881
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2024 01:43	WG2295881
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2024 01:43	WG2295881
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2024 01:43	WG2295881
Dichlorodifluoromethane	U	UJ C3	0.0327	0.200	1	05/31/2024 01:43	WG2295881
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2024 01:43	WG2295881
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2024 01:43	WG2295881
1,1-Dichloroethene	1.08		0.0200	0.100	1	05/31/2024 01:43	WG2295881
cis-1,2-Dichloroethene	19.9	J- C3	0.0276	0.100	1	05/31/2024 01:43	WG2295881
trans-1,2-Dichloroethene	0.281		0.0572	0.200	1	05/31/2024 01:43	WG2295881
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2024 01:43	WG2295881
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2024 01:43	WG2295881
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2024 01:43	WG2295881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2024 01:43	WG2295881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2024 01:43	WG2295881
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2024 01:43	WG2295881
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2024 01:43	WG2295881
Ethylbenzene	U		0.0212	0.100	1	05/31/2024 01:43	WG2295881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2024 01:43	WG2295881
Isopropylbenzene	U		0.0345	0.100	1	05/31/2024 01:43	WG2295881
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2024 01:43	WG2295881
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2024 01:43	WG2295881
Methylene Chloride	U		0.265	1.00	1	05/31/2024 01:43	WG2295881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2024 01:43	WG2295881
Methyl tert-butyl ether	U	UJ C3	0.0118	0.0400	1	05/31/2024 01:43	WG2295881
Naphthalene	U	UJ C3 J4	0.124	0.500	1	05/31/2024 01:43	WG2295881
n-Propylbenzene	U		0.0472	0.200	1	05/31/2024 01:43	WG2295881
Styrene	U		0.109	0.500	1	05/31/2024 01:43	WG2295881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2024 01:43	WG2295881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2024 01:43	WG2295881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/31/2024 01:43	WG2295881
Tetrachloroethene	U		0.0280	0.100	1	05/31/2024 01:43	WG2295881
Toluene	0.0920	J	0.0500	0.200	1	05/31/2024 01:43	WG2295881
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	05/31/2024 01:43	WG2295881
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/31/2024 01:43	WG2295881
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2024 01:43	WG2295881

JC 7/10/24

ACCOUNT:

PES Environmental, Inc.- WA

PROJECT:

443022-1413001.10

SDG:

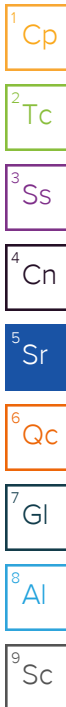
L1739788

DATE/TIME:

06/14/24 09:51

PAGE:

36 of 76



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/31/2024 01:43	WG2295881
Trichloroethene	3.18		0.0160	0.0400	1	05/31/2024 01:43	WG2295881
Trichlorofluoromethane	U		0.0200	0.100	1	05/31/2024 01:43	WG2295881
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2024 01:43	WG2295881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/31/2024 01:43	WG2295881
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/31/2024 01:43	WG2295881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2024 01:43	WG2295881
Vinyl chloride	0.369	J- C3	0.0273	0.100	1	05/31/2024 01:43	WG2295881
Xylenes, Total	U		0.191	0.260	1	05/31/2024 01:43	WG2295881
Ethyl Ether	U		0.0170	0.100	1	05/31/2024 01:43	WG2295881
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/31/2024 01:43	WG2295881
Iodomethane	U		0.242	0.500	1	05/31/2024 01:43	WG2295881
Allyl chloride	U		0.580	1.00	1	05/31/2024 01:43	WG2295881
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/31/2024 01:43	WG2295881
(S) Toluene-d8	104			75.0-131		05/31/2024 01:43	WG2295881
(S) 4-Bromofluorobenzene	96.8			67.0-138		05/31/2024 01:43	WG2295881
(S) 1,2-Dichloroethane-d4	94.3			70.0-130		05/31/2024 01:43	WG2295881

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

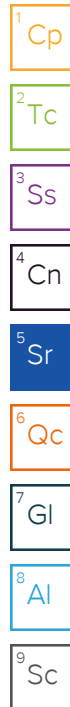
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JC 7/10/24

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	05/31/2024 02:02	WG2295881
Acrylonitrile	U		0.0760	0.500	1	05/31/2024 02:02	WG2295881
Benzene	U		0.0160	0.0400	1	05/31/2024 02:02	WG2295881
Bromobenzene	U		0.0420	0.500	1	05/31/2024 02:02	WG2295881
Bromodichloromethane	U		0.0315	0.100	1	05/31/2024 02:02	WG2295881
Bromoform	U		0.239	1.00	1	05/31/2024 02:02	WG2295881
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2024 02:02	WG2295881
n-Butylbenzene	U		0.153	0.500	1	05/31/2024 02:02	WG2295881
sec-Butylbenzene	U		0.101	0.500	1	05/31/2024 02:02	WG2295881
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2024 02:02	WG2295881
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2024 02:02	WG2295881
Chlorobenzene	U		0.0229	0.100	1	05/31/2024 02:02	WG2295881
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2024 02:02	WG2295881
Chloroethane	U		0.0432	0.200	1	05/31/2024 02:02	WG2295881
Chloroform	U		0.0166	0.100	1	05/31/2024 02:02	WG2295881
Chloromethane	U		0.0556	0.500	1	05/31/2024 02:02	WG2295881
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2024 02:02	WG2295881
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2024 02:02	WG2295881
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/31/2024 02:02	WG2295881
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2024 02:02	WG2295881
Dibromomethane	U		0.0400	0.200	1	05/31/2024 02:02	WG2295881
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2024 02:02	WG2295881
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2024 02:02	WG2295881
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2024 02:02	WG2295881
Dichlorodifluoromethane	U	UJ C3	0.0327	0.200	1	05/31/2024 02:02	WG2295881
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2024 02:02	WG2295881
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2024 02:02	WG2295881
1,1-Dichloroethene	U		0.0200	0.100	1	05/31/2024 02:02	WG2295881
cis-1,2-Dichloroethene	U	UJ C3	0.0276	0.100	1	05/31/2024 02:02	WG2295881
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/31/2024 02:02	WG2295881
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2024 02:02	WG2295881
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2024 02:02	WG2295881
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2024 02:02	WG2295881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2024 02:02	WG2295881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2024 02:02	WG2295881
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2024 02:02	WG2295881
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2024 02:02	WG2295881
Ethylbenzene	0.0590	J	0.0212	0.100	1	05/31/2024 02:02	WG2295881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2024 02:02	WG2295881
Isopropylbenzene	U		0.0345	0.100	1	05/31/2024 02:02	WG2295881
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2024 02:02	WG2295881
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2024 02:02	WG2295881
Methylene Chloride	U		0.265	1.00	1	05/31/2024 02:02	WG2295881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2024 02:02	WG2295881
Methyl tert-butyl ether	U	UJ C3	0.0118	0.0400	1	05/31/2024 02:02	WG2295881
Naphthalene	U	UJ C3 J4	0.124	0.500	1	05/31/2024 02:02	WG2295881
n-Propylbenzene	U		0.0472	0.200	1	05/31/2024 02:02	WG2295881
Styrene	U		0.109	0.500	1	05/31/2024 02:02	WG2295881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2024 02:02	WG2295881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2024 02:02	WG2295881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/31/2024 02:02	WG2295881
Tetrachloroethene	U		0.0280	0.100	1	05/31/2024 02:02	WG2295881
Toluene	0.0830	J	0.0500	0.200	1	05/31/2024 02:02	WG2295881
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	05/31/2024 02:02	WG2295881
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/31/2024 02:02	WG2295881
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2024 02:02	WG2295881

JC 7/10/24



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/31/2024 02:02	WG2295881
Trichloroethene	0.0290	<u>J</u>	0.0160	0.0400	1	05/31/2024 02:02	WG2295881
Trichlorofluoromethane	U		0.0200	0.100	1	05/31/2024 02:02	WG2295881
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2024 02:02	WG2295881
1,2,4-Trimethylbenzene	0.0640	<u>J</u>	0.0464	0.200	1	05/31/2024 02:02	WG2295881
1,2,3-Trimethylbenzene	U	UJ <u>C3</u>	0.0460	0.200	1	05/31/2024 02:02	WG2295881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2024 02:02	WG2295881
Vinyl chloride	U	UJ <u>C3</u>	0.0273	0.100	1	05/31/2024 02:02	WG2295881
Xylenes, Total	U		0.191	0.260	1	05/31/2024 02:02	WG2295881
Ethyl Ether	U		0.0170	0.100	1	05/31/2024 02:02	WG2295881
Tetrahydrofuran	U	UJ <u>C3</u>	0.0900	0.500	1	05/31/2024 02:02	WG2295881
Iodomethane	U		0.242	0.500	1	05/31/2024 02:02	WG2295881
Allyl chloride	U		0.580	1.00	1	05/31/2024 02:02	WG2295881
Trans-1,4-Dichloro-2-butene	U	UJ <u>C3</u>	0.0560	0.200	1	05/31/2024 02:02	WG2295881
(S) Toluene-d8	103			75.0-131		05/31/2024 02:02	WG2295881
(S) 4-Bromofluorobenzene	99.2			67.0-138		05/31/2024 02:02	WG2295881
(S) 1,2-Dichloroethane-d4	94.2			70.0-130		05/31/2024 02:02	WG2295881

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/10/24

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	05/31/2024 02:21	WG2295881
Acrylonitrile	U		0.0760	0.500	1	05/31/2024 02:21	WG2295881
Benzene	U		0.0160	0.0400	1	05/31/2024 02:21	WG2295881
Bromobenzene	U		0.0420	0.500	1	05/31/2024 02:21	WG2295881
Bromodichloromethane	U		0.0315	0.100	1	05/31/2024 02:21	WG2295881
Bromoform	U		0.239	1.00	1	05/31/2024 02:21	WG2295881
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2024 02:21	WG2295881
n-Butylbenzene	U		0.153	0.500	1	05/31/2024 02:21	WG2295881
sec-Butylbenzene	U		0.101	0.500	1	05/31/2024 02:21	WG2295881
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2024 02:21	WG2295881
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2024 02:21	WG2295881
Chlorobenzene	U		0.0229	0.100	1	05/31/2024 02:21	WG2295881
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2024 02:21	WG2295881
Chloroethane	U		0.0432	0.200	1	05/31/2024 02:21	WG2295881
Chloroform	U		0.0166	0.100	1	05/31/2024 02:21	WG2295881
Chloromethane	U		0.0556	0.500	1	05/31/2024 02:21	WG2295881
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2024 02:21	WG2295881
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2024 02:21	WG2295881
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/31/2024 02:21	WG2295881
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2024 02:21	WG2295881
Dibromomethane	U		0.0400	0.200	1	05/31/2024 02:21	WG2295881
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2024 02:21	WG2295881
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2024 02:21	WG2295881
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2024 02:21	WG2295881
Dichlorodifluoromethane	U	UJ C3	0.0327	0.200	1	05/31/2024 02:21	WG2295881
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2024 02:21	WG2295881
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2024 02:21	WG2295881
1,1-Dichloroethene	U		0.0200	0.100	1	05/31/2024 02:21	WG2295881
cis-1,2-Dichloroethene	U	UJ C3	0.0276	0.100	1	05/31/2024 02:21	WG2295881
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/31/2024 02:21	WG2295881
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2024 02:21	WG2295881
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2024 02:21	WG2295881
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2024 02:21	WG2295881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2024 02:21	WG2295881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2024 02:21	WG2295881
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2024 02:21	WG2295881
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2024 02:21	WG2295881
Ethylbenzene	0.0450	J	0.0212	0.100	1	05/31/2024 02:21	WG2295881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2024 02:21	WG2295881
Isopropylbenzene	U		0.0345	0.100	1	05/31/2024 02:21	WG2295881
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2024 02:21	WG2295881
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2024 02:21	WG2295881
Methylene Chloride	U		0.265	1.00	1	05/31/2024 02:21	WG2295881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2024 02:21	WG2295881
Methyl tert-butyl ether	U	UJ C3	0.0118	0.0400	1	05/31/2024 02:21	WG2295881
Naphthalene	U	UJ C3 J4	0.124	0.500	1	05/31/2024 02:21	WG2295881
n-Propylbenzene	U		0.0472	0.200	1	05/31/2024 02:21	WG2295881
Styrene	U		0.109	0.500	1	05/31/2024 02:21	WG2295881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2024 02:21	WG2295881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2024 02:21	WG2295881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/31/2024 02:21	WG2295881
Tetrachloroethene	U		0.0280	0.100	1	05/31/2024 02:21	WG2295881
Toluene	0.110	J	0.0500	0.200	1	05/31/2024 02:21	WG2295881
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	05/31/2024 02:21	WG2295881
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/31/2024 02:21	WG2295881
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2024 02:21	WG2295881

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/31/2024 02:21	WG2295881
Trichloroethene	U		0.0160	0.0400	1	05/31/2024 02:21	WG2295881
Trichlorofluoromethane	U		0.0200	0.100	1	05/31/2024 02:21	WG2295881
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2024 02:21	WG2295881
1,2,4-Trimethylbenzene	0.0650	J	0.0464	0.200	1	05/31/2024 02:21	WG2295881
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/31/2024 02:21	WG2295881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2024 02:21	WG2295881
Vinyl chloride	0.0720	J C3 J	0.0273	0.100	1	05/31/2024 02:21	WG2295881
Xylenes, Total	0.217	J	0.191	0.260	1	05/31/2024 02:21	WG2295881
Ethyl Ether	U		0.0170	0.100	1	05/31/2024 02:21	WG2295881
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/31/2024 02:21	WG2295881
Iodomethane	U		0.242	0.500	1	05/31/2024 02:21	WG2295881
Allyl chloride	U		0.580	1.00	1	05/31/2024 02:21	WG2295881
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/31/2024 02:21	WG2295881
(S) Toluene-d8	102			75.0-131		05/31/2024 02:21	WG2295881
(S) 4-Bromofluorobenzene	95.6			67.0-138		05/31/2024 02:21	WG2295881
(S) 1,2-Dichloroethane-d4	95.9			70.0-130		05/31/2024 02:21	WG2295881

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

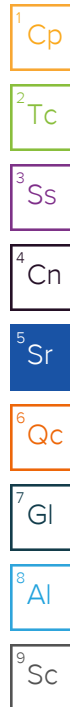
8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	05/31/2024 02:40	WG2295881
Acrylonitrile	U		0.0760	0.500	1	05/31/2024 02:40	WG2295881
Benzene	U		0.0160	0.0400	1	05/31/2024 02:40	WG2295881
Bromobenzene	U		0.0420	0.500	1	05/31/2024 02:40	WG2295881
Bromodichloromethane	U		0.0315	0.100	1	05/31/2024 02:40	WG2295881
Bromoform	U		0.239	1.00	1	05/31/2024 02:40	WG2295881
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2024 02:40	WG2295881
n-Butylbenzene	U		0.153	0.500	1	05/31/2024 02:40	WG2295881
sec-Butylbenzene	U		0.101	0.500	1	05/31/2024 02:40	WG2295881
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2024 02:40	WG2295881
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2024 02:40	WG2295881
Chlorobenzene	U		0.0229	0.100	1	05/31/2024 02:40	WG2295881
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2024 02:40	WG2295881
Chloroethane	U		0.0432	0.200	1	05/31/2024 02:40	WG2295881
Chloroform	U		0.0166	0.100	1	05/31/2024 02:40	WG2295881
Chloromethane	U		0.0556	0.500	1	05/31/2024 02:40	WG2295881
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2024 02:40	WG2295881
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2024 02:40	WG2295881
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/31/2024 02:40	WG2295881
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2024 02:40	WG2295881
Dibromomethane	U		0.0400	0.200	1	05/31/2024 02:40	WG2295881
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2024 02:40	WG2295881
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2024 02:40	WG2295881
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2024 02:40	WG2295881
Dichlorodifluoromethane	U	UJ C3	0.0327	0.200	1	05/31/2024 02:40	WG2295881
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2024 02:40	WG2295881
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2024 02:40	WG2295881
1,1-Dichloroethene	U		0.0200	0.100	1	05/31/2024 02:40	WG2295881
cis-1,2-Dichloroethene	U	UJ C3	0.0276	0.100	1	05/31/2024 02:40	WG2295881
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/31/2024 02:40	WG2295881
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2024 02:40	WG2295881
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2024 02:40	WG2295881
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2024 02:40	WG2295881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2024 02:40	WG2295881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2024 02:40	WG2295881
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2024 02:40	WG2295881
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2024 02:40	WG2295881
Ethylbenzene	U		0.0212	0.100	1	05/31/2024 02:40	WG2295881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2024 02:40	WG2295881
Isopropylbenzene	U		0.0345	0.100	1	05/31/2024 02:40	WG2295881
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2024 02:40	WG2295881
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2024 02:40	WG2295881
Methylene Chloride	U		0.265	1.00	1	05/31/2024 02:40	WG2295881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2024 02:40	WG2295881
Methyl tert-butyl ether	U	UJ C3	0.0118	0.0400	1	05/31/2024 02:40	WG2295881
Naphthalene	U	UJ C3 J4	0.124	0.500	1	05/31/2024 02:40	WG2295881
n-Propylbenzene	U		0.0472	0.200	1	05/31/2024 02:40	WG2295881
Styrene	U		0.109	0.500	1	05/31/2024 02:40	WG2295881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2024 02:40	WG2295881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2024 02:40	WG2295881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/31/2024 02:40	WG2295881
Tetrachloroethene	U		0.0280	0.100	1	05/31/2024 02:40	WG2295881
Toluene	U		0.0500	0.200	1	05/31/2024 02:40	WG2295881
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	05/31/2024 02:40	WG2295881
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/31/2024 02:40	WG2295881
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2024 02:40	WG2295881

JC 7/10/24



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/31/2024 02:40	WG2295881
Trichloroethene	U		0.0160	0.0400	1	05/31/2024 02:40	WG2295881
Trichlorofluoromethane	U		0.0200	0.100	1	05/31/2024 02:40	WG2295881
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2024 02:40	WG2295881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/31/2024 02:40	WG2295881
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/31/2024 02:40	WG2295881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2024 02:40	WG2295881
Vinyl chloride	U	UJ C3	0.0273	0.100	1	05/31/2024 02:40	WG2295881
Xylenes, Total	U		0.191	0.260	1	05/31/2024 02:40	WG2295881
Ethyl Ether	U		0.0170	0.100	1	05/31/2024 02:40	WG2295881
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/31/2024 02:40	WG2295881
Iodomethane	U		0.242	0.500	1	05/31/2024 02:40	WG2295881
Allyl chloride	U		0.580	1.00	1	05/31/2024 02:40	WG2295881
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/31/2024 02:40	WG2295881
(S) Toluene-d8	103			75.0-131		05/31/2024 02:40	WG2295881
(S) 4-Bromofluorobenzene	93.1			67.0-138		05/31/2024 02:40	WG2295881
(S) 1,2-Dichloroethane-d4	99.1			70.0-130		05/31/2024 02:40	WG2295881

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/10/24

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	73.4		0.548	1.00	1	05/31/2024 02:59	WG2295881
Acrylonitrile	U		0.0760	0.500	1	05/31/2024 02:59	WG2295881
Benzene	0.0900		0.0160	0.0400	1	05/31/2024 02:59	WG2295881
Bromobenzene	U		0.0420	0.500	1	05/31/2024 02:59	WG2295881
Bromodichloromethane	U		0.0315	0.100	1	05/31/2024 02:59	WG2295881
Bromoform	U		0.239	1.00	1	05/31/2024 02:59	WG2295881
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2024 02:59	WG2295881
n-Butylbenzene	U		0.153	0.500	1	05/31/2024 02:59	WG2295881
sec-Butylbenzene	U		0.101	0.500	1	05/31/2024 02:59	WG2295881
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2024 02:59	WG2295881
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2024 02:59	WG2295881
Chlorobenzene	U		0.0229	0.100	1	05/31/2024 02:59	WG2295881
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2024 02:59	WG2295881
Chloroethane	U		0.0432	0.200	1	05/31/2024 02:59	WG2295881
Chloroform	U		0.0166	0.100	1	05/31/2024 02:59	WG2295881
Chloromethane	U		0.0556	0.500	1	05/31/2024 02:59	WG2295881
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2024 02:59	WG2295881
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2024 02:59	WG2295881
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/31/2024 02:59	WG2295881
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2024 02:59	WG2295881
Dibromomethane	U		0.0400	0.200	1	05/31/2024 02:59	WG2295881
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2024 02:59	WG2295881
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2024 02:59	WG2295881
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2024 02:59	WG2295881
Dichlorodifluoromethane	U	UJ C3	0.0327	0.200	1	05/31/2024 02:59	WG2295881
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2024 02:59	WG2295881
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2024 02:59	WG2295881
1,1-Dichloroethene	0.302		0.0200	0.100	1	05/31/2024 02:59	WG2295881
cis-1,2-Dichloroethene	63.4	I- C3	0.0276	0.100	1	05/31/2024 02:59	WG2295881
trans-1,2-Dichloroethene	0.398		0.0572	0.200	1	05/31/2024 02:59	WG2295881
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2024 02:59	WG2295881
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2024 02:59	WG2295881
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2024 02:59	WG2295881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2024 02:59	WG2295881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2024 02:59	WG2295881
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2024 02:59	WG2295881
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2024 02:59	WG2295881
Ethylbenzene	U		0.0212	0.100	1	05/31/2024 02:59	WG2295881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2024 02:59	WG2295881
Isopropylbenzene	U		0.0345	0.100	1	05/31/2024 02:59	WG2295881
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2024 02:59	WG2295881
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2024 02:59	WG2295881
Methylene Chloride	U		0.265	1.00	1	05/31/2024 02:59	WG2295881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2024 02:59	WG2295881
Methyl tert-butyl ether	U	UJ C3	0.0118	0.0400	1	05/31/2024 02:59	WG2295881
Naphthalene	U	UJ C3 J4	0.124	0.500	1	05/31/2024 02:59	WG2295881
n-Propylbenzene	U		0.0472	0.200	1	05/31/2024 02:59	WG2295881
Styrene	U		0.109	0.500	1	05/31/2024 02:59	WG2295881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2024 02:59	WG2295881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2024 02:59	WG2295881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/31/2024 02:59	WG2295881
Tetrachloroethene	90.4		0.0280	0.100	1	05/31/2024 02:59	WG2295881
Toluene	U		0.0500	0.200	1	05/31/2024 02:59	WG2295881
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	05/31/2024 02:59	WG2295881
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/31/2024 02:59	WG2295881
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2024 02:59	WG2295881

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/31/2024 02:59	WG2295881
Trichloroethene	59.1		0.0160	0.0400	1	05/31/2024 02:59	WG2295881
Trichlorofluoromethane	U		0.0200	0.100	1	05/31/2024 02:59	WG2295881
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2024 02:59	WG2295881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/31/2024 02:59	WG2295881
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/31/2024 02:59	WG2295881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2024 02:59	WG2295881
Vinyl chloride	0.109	J- C3	0.0273	0.100	1	05/31/2024 02:59	WG2295881
Xylenes, Total	U		0.191	0.260	1	05/31/2024 02:59	WG2295881
Ethyl Ether	U		0.0170	0.100	1	05/31/2024 02:59	WG2295881
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/31/2024 02:59	WG2295881
Iodomethane	U		0.242	0.500	1	05/31/2024 02:59	WG2295881
Allyl chloride	U		0.580	1.00	1	05/31/2024 02:59	WG2295881
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/31/2024 02:59	WG2295881
(S) Toluene-d8	104			75.0-131		05/31/2024 02:59	WG2295881
(S) 4-Bromofluorobenzene	98.3			67.0-138		05/31/2024 02:59	WG2295881
(S) 1,2-Dichloroethane-d4	97.8			70.0-130		05/31/2024 02:59	WG2295881

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

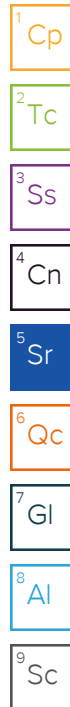
9Sc

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/31/2024 03:18	WG2295881
Acrylonitrile	U		0.0760	0.500	1	05/31/2024 03:18	WG2295881
Benzene	0.0300	J	0.0160	0.0400	1	05/31/2024 03:18	WG2295881
Bromobenzene	U		0.0420	0.500	1	05/31/2024 03:18	WG2295881
Bromodichloromethane	U		0.0315	0.100	1	05/31/2024 03:18	WG2295881
Bromoform	U		0.239	1.00	1	05/31/2024 03:18	WG2295881
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2024 03:18	WG2295881
n-Butylbenzene	U		0.153	0.500	1	05/31/2024 03:18	WG2295881
sec-Butylbenzene	U		0.101	0.500	1	05/31/2024 03:18	WG2295881
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2024 03:18	WG2295881
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2024 03:18	WG2295881
Chlorobenzene	U		0.0229	0.100	1	05/31/2024 03:18	WG2295881
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2024 03:18	WG2295881
Chloroethane	U		0.0432	0.200	1	05/31/2024 03:18	WG2295881
Chloroform	U		0.0166	0.100	1	05/31/2024 03:18	WG2295881
Chloromethane	U		0.0556	0.500	1	05/31/2024 03:18	WG2295881
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2024 03:18	WG2295881
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2024 03:18	WG2295881
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/31/2024 03:18	WG2295881
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2024 03:18	WG2295881
Dibromomethane	U		0.0400	0.200	1	05/31/2024 03:18	WG2295881
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2024 03:18	WG2295881
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2024 03:18	WG2295881
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2024 03:18	WG2295881
Dichlorodifluoromethane	U	UJ C3	0.0327	0.200	1	05/31/2024 03:18	WG2295881
1,1-Dichloroethane	0.644		0.0230	0.100	1	05/31/2024 03:18	WG2295881
1,2-Dichloroethane	0.226		0.0190	0.100	1	05/31/2024 03:18	WG2295881
1,1-Dichloroethene	0.276		0.0200	0.100	1	05/31/2024 03:18	WG2295881
cis-1,2-Dichloroethene	51.4	J- C3	0.0276	0.100	1	05/31/2024 03:18	WG2295881
trans-1,2-Dichloroethene	0.145	J	0.0572	0.200	1	05/31/2024 03:18	WG2295881
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2024 03:18	WG2295881
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2024 03:18	WG2295881
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2024 03:18	WG2295881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2024 03:18	WG2295881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2024 03:18	WG2295881
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2024 03:18	WG2295881
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2024 03:18	WG2295881
Ethylbenzene	U		0.0212	0.100	1	05/31/2024 03:18	WG2295881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2024 03:18	WG2295881
Isopropylbenzene	U		0.0345	0.100	1	05/31/2024 03:18	WG2295881
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2024 03:18	WG2295881
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2024 03:18	WG2295881
Methylene Chloride	U		0.265	1.00	1	05/31/2024 03:18	WG2295881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2024 03:18	WG2295881
Methyl tert-butyl ether	U	UJ C3	0.0118	0.0400	1	05/31/2024 03:18	WG2295881
Naphthalene	U	UJ C3 J4	0.124	0.500	1	05/31/2024 03:18	WG2295881
n-Propylbenzene	U		0.0472	0.200	1	05/31/2024 03:18	WG2295881
Styrene	U		0.109	0.500	1	05/31/2024 03:18	WG2295881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2024 03:18	WG2295881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2024 03:18	WG2295881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/31/2024 03:18	WG2295881
Tetrachloroethene	0.252		0.0280	0.100	1	05/31/2024 03:18	WG2295881
Toluene	U		0.0500	0.200	1	05/31/2024 03:18	WG2295881
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	05/31/2024 03:18	WG2295881
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/31/2024 03:18	WG2295881
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2024 03:18	WG2295881

JC 7/10/24



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/31/2024 03:18	WG2295881
Trichloroethene	1.21		0.0160	0.0400	1	05/31/2024 03:18	WG2295881
Trichlorofluoromethane	U		0.0200	0.100	1	05/31/2024 03:18	WG2295881
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2024 03:18	WG2295881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/31/2024 03:18	WG2295881
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/31/2024 03:18	WG2295881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2024 03:18	WG2295881
Vinyl chloride	4.72	J- C3	0.0273	0.100	1	05/31/2024 03:18	WG2295881
Xylenes, Total	U		0.191	0.260	1	05/31/2024 03:18	WG2295881
Ethyl Ether	U		0.0170	0.100	1	05/31/2024 03:18	WG2295881
Tetrahydrofuran	0.240	J C3 J	0.0900	0.500	1	05/31/2024 03:18	WG2295881
Iodomethane	U		0.242	0.500	1	05/31/2024 03:18	WG2295881
Allyl chloride	U		0.580	1.00	1	05/31/2024 03:18	WG2295881
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/31/2024 03:18	WG2295881
(S) Toluene-d8	105			75.0-131		05/31/2024 03:18	WG2295881
(S) 4-Bromofluorobenzene	97.4			67.0-138		05/31/2024 03:18	WG2295881
(S) 1,2-Dichloroethane-d4	96.3			70.0-130		05/31/2024 03:18	WG2295881

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

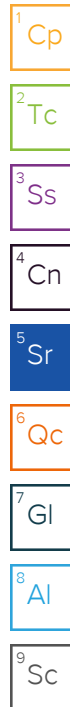
9Sc

JC 7/10/24

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	05/31/2024 03:37	WG2295881
Acrylonitrile	U		0.0760	0.500	1	05/31/2024 03:37	WG2295881
Benzene	54.3		0.0160	0.0400	1	05/31/2024 03:37	WG2295881
Bromobenzene	U		0.0420	0.500	1	05/31/2024 03:37	WG2295881
Bromodichloromethane	U		0.0315	0.100	1	05/31/2024 03:37	WG2295881
Bromoform	U		0.239	1.00	1	05/31/2024 03:37	WG2295881
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2024 03:37	WG2295881
n-Butylbenzene	U		0.153	0.500	1	05/31/2024 03:37	WG2295881
sec-Butylbenzene	U		0.101	0.500	1	05/31/2024 03:37	WG2295881
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2024 03:37	WG2295881
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2024 03:37	WG2295881
Chlorobenzene	U		0.0229	0.100	1	05/31/2024 03:37	WG2295881
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2024 03:37	WG2295881
Chloroethane	U		0.0432	0.200	1	05/31/2024 03:37	WG2295881
Chloroform	U		0.0166	0.100	1	05/31/2024 03:37	WG2295881
Chloromethane	U		0.0556	0.500	1	05/31/2024 03:37	WG2295881
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2024 03:37	WG2295881
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2024 03:37	WG2295881
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/31/2024 03:37	WG2295881
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2024 03:37	WG2295881
Dibromomethane	U		0.0400	0.200	1	05/31/2024 03:37	WG2295881
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2024 03:37	WG2295881
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2024 03:37	WG2295881
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2024 03:37	WG2295881
Dichlorodifluoromethane	U	UJ C3	0.0327	0.200	1	05/31/2024 03:37	WG2295881
1,1-Dichloroethane	0.201		0.0230	0.100	1	05/31/2024 03:37	WG2295881
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2024 03:37	WG2295881
1,1-Dichloroethene	U		0.0200	0.100	1	05/31/2024 03:37	WG2295881
cis-1,2-Dichloroethene	2.45	UJ C3	0.0276	0.100	1	05/31/2024 03:37	WG2295881
trans-1,2-Dichloroethene	0.0690	J	0.0572	0.200	1	05/31/2024 03:37	WG2295881
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2024 03:37	WG2295881
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2024 03:37	WG2295881
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2024 03:37	WG2295881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2024 03:37	WG2295881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2024 03:37	WG2295881
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2024 03:37	WG2295881
Di-isopropyl ether	0.239		0.0140	0.0400	1	05/31/2024 03:37	WG2295881
Ethylbenzene	U		0.0212	0.100	1	05/31/2024 03:37	WG2295881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2024 03:37	WG2295881
Isopropylbenzene	U		0.0345	0.100	1	05/31/2024 03:37	WG2295881
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2024 03:37	WG2295881
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2024 03:37	WG2295881
Methylene Chloride	U		0.265	1.00	1	05/31/2024 03:37	WG2295881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2024 03:37	WG2295881
Methyl tert-butyl ether	0.104	J- C3	0.0118	0.0400	1	05/31/2024 03:37	WG2295881
Naphthalene	U	UJ C3 J4	0.124	0.500	1	05/31/2024 03:37	WG2295881
n-Propylbenzene	U		0.0472	0.200	1	05/31/2024 03:37	WG2295881
Styrene	U		0.109	0.500	1	05/31/2024 03:37	WG2295881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2024 03:37	WG2295881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2024 03:37	WG2295881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/31/2024 03:37	WG2295881
Tetrachloroethene	U		0.0280	0.100	1	05/31/2024 03:37	WG2295881
Toluene	0.330		0.0500	0.200	1	05/31/2024 03:37	WG2295881
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	05/31/2024 03:37	WG2295881
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/31/2024 03:37	WG2295881
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2024 03:37	WG2295881

JC 7/10/24



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/31/2024 03:37	WG2295881
Trichloroethene	U		0.0160	0.0400	1	05/31/2024 03:37	WG2295881
Trichlorofluoromethane	U		0.0200	0.100	1	05/31/2024 03:37	WG2295881
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2024 03:37	WG2295881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/31/2024 03:37	WG2295881
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/31/2024 03:37	WG2295881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2024 03:37	WG2295881
Vinyl chloride	25.4	J- C3	0.0273	0.100	1	05/31/2024 03:37	WG2295881
Xylenes, Total	0.282		0.191	0.260	1	05/31/2024 03:37	WG2295881
Ethyl Ether	0.268		0.0170	0.100	1	05/31/2024 03:37	WG2295881
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/31/2024 03:37	WG2295881
Iodomethane	U		0.242	0.500	1	05/31/2024 03:37	WG2295881
Allyl chloride	U		0.580	1.00	1	05/31/2024 03:37	WG2295881
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/31/2024 03:37	WG2295881
(S) Toluene-d8	102			75.0-131		05/31/2024 03:37	WG2295881
(S) 4-Bromofluorobenzene	98.3			67.0-138		05/31/2024 03:37	WG2295881
(S) 1,2-Dichloroethane-d4	95.6			70.0-130		05/31/2024 03:37	WG2295881

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

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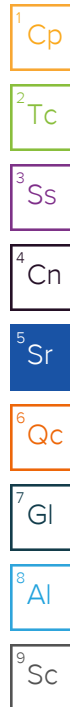
9Sc

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	05/31/2024 03:57	WG2295881
Acrylonitrile	U		0.0760	0.500	1	05/31/2024 03:57	WG2295881
Benzene	0.0230	J	0.0160	0.0400	1	05/31/2024 03:57	WG2295881
Bromobenzene	U		0.0420	0.500	1	05/31/2024 03:57	WG2295881
Bromodichloromethane	U		0.0315	0.100	1	05/31/2024 03:57	WG2295881
Bromoform	U		0.239	1.00	1	05/31/2024 03:57	WG2295881
Bromomethane	U	UJ C3	0.148	0.500	1	05/31/2024 03:57	WG2295881
n-Butylbenzene	U		0.153	0.500	1	05/31/2024 03:57	WG2295881
sec-Butylbenzene	U		0.101	0.500	1	05/31/2024 03:57	WG2295881
tert-Butylbenzene	U		0.0620	0.200	1	05/31/2024 03:57	WG2295881
Carbon tetrachloride	U		0.0432	0.200	1	05/31/2024 03:57	WG2295881
Chlorobenzene	U		0.0229	0.100	1	05/31/2024 03:57	WG2295881
Chlorodibromomethane	U		0.0180	0.100	1	05/31/2024 03:57	WG2295881
Chloroethane	U		0.0432	0.200	1	05/31/2024 03:57	WG2295881
Chloroform	U		0.0166	0.100	1	05/31/2024 03:57	WG2295881
Chloromethane	U		0.0556	0.500	1	05/31/2024 03:57	WG2295881
2-Chlorotoluene	U		0.0368	0.100	1	05/31/2024 03:57	WG2295881
4-Chlorotoluene	U		0.0452	0.200	1	05/31/2024 03:57	WG2295881
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	05/31/2024 03:57	WG2295881
1,2-Dibromoethane	U		0.0210	0.100	1	05/31/2024 03:57	WG2295881
Dibromomethane	U		0.0400	0.200	1	05/31/2024 03:57	WG2295881
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/31/2024 03:57	WG2295881
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/31/2024 03:57	WG2295881
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/31/2024 03:57	WG2295881
Dichlorodifluoromethane	U	UJ C3	0.0327	0.200	1	05/31/2024 03:57	WG2295881
1,1-Dichloroethane	U		0.0230	0.100	1	05/31/2024 03:57	WG2295881
1,2-Dichloroethane	U		0.0190	0.100	1	05/31/2024 03:57	WG2295881
1,1-Dichloroethene	0.365		0.0200	0.100	1	05/31/2024 03:57	WG2295881
cis-1,2-Dichloroethene	199		0.276	1.00	10	06/02/2024 23:53	WG2296758
trans-1,2-Dichloroethene	0.326		0.0572	0.200	1	05/31/2024 03:57	WG2295881
1,2-Dichloropropane	U		0.0508	0.200	1	05/31/2024 03:57	WG2295881
1,1-Dichloropropene	U		0.0280	0.100	1	05/31/2024 03:57	WG2295881
1,3-Dichloropropane	U		0.0700	0.200	1	05/31/2024 03:57	WG2295881
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/31/2024 03:57	WG2295881
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/31/2024 03:57	WG2295881
2,2-Dichloropropane	U		0.0317	0.100	1	05/31/2024 03:57	WG2295881
Di-isopropyl ether	U		0.0140	0.0400	1	05/31/2024 03:57	WG2295881
Ethylbenzene	U		0.0212	0.100	1	05/31/2024 03:57	WG2295881
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/31/2024 03:57	WG2295881
Isopropylbenzene	U		0.0345	0.100	1	05/31/2024 03:57	WG2295881
p-Isopropyltoluene	U		0.0932	0.200	1	05/31/2024 03:57	WG2295881
2-Butanone (MEK)	U		0.500	1.00	1	05/31/2024 03:57	WG2295881
Methylene Chloride	U		0.265	1.00	1	05/31/2024 03:57	WG2295881
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/31/2024 03:57	WG2295881
Methyl tert-butyl ether	U	UJ C3	0.0118	0.0400	1	05/31/2024 03:57	WG2295881
Naphthalene	U	UJ C3 J4	0.124	0.500	1	05/31/2024 03:57	WG2295881
n-Propylbenzene	U		0.0472	0.200	1	05/31/2024 03:57	WG2295881
Styrene	U		0.109	0.500	1	05/31/2024 03:57	WG2295881
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/31/2024 03:57	WG2295881
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/31/2024 03:57	WG2295881
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/31/2024 03:57	WG2295881
Tetrachloroethene	U		0.0280	0.100	1	05/31/2024 03:57	WG2295881
Toluene	U		0.0500	0.200	1	05/31/2024 03:57	WG2295881
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	05/31/2024 03:57	WG2295881
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	05/31/2024 03:57	WG2295881
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/31/2024 03:57	WG2295881

JC 7/10/24



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/31/2024 03:57	WG2295881
Trichloroethene	0.250		0.0160	0.0400	1	05/31/2024 03:57	WG2295881
Trichlorofluoromethane	U		0.0200	0.100	1	05/31/2024 03:57	WG2295881
1,2,3-Trichloropropane	U		0.204	0.500	1	05/31/2024 03:57	WG2295881
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/31/2024 03:57	WG2295881
1,2,3-Trimethylbenzene	U	UJ C3	0.0460	0.200	1	05/31/2024 03:57	WG2295881
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/31/2024 03:57	WG2295881
Vinyl chloride	17.0	J- C3	0.0273	0.100	1	05/31/2024 03:57	WG2295881
Xylenes, Total	U		0.191	0.260	1	05/31/2024 03:57	WG2295881
Ethyl Ether	U		0.0170	0.100	1	05/31/2024 03:57	WG2295881
Tetrahydrofuran	U	UJ C3	0.0900	0.500	1	05/31/2024 03:57	WG2295881
Iodomethane	U		0.242	0.500	1	05/31/2024 03:57	WG2295881
Allyl chloride	U		0.580	1.00	1	05/31/2024 03:57	WG2295881
Trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	05/31/2024 03:57	WG2295881
(S) Toluene-d8	105			75.0-131		05/31/2024 03:57	WG2295881
(S) Toluene-d8	98.1			75.0-131		06/02/2024 23:53	WG2296758
(S) 4-Bromofluorobenzene	98.9			67.0-138		05/31/2024 03:57	WG2295881
(S) 4-Bromofluorobenzene	102			67.0-138		06/02/2024 23:53	WG2296758
(S) 1,2-Dichloroethane-d4	96.6			70.0-130		05/31/2024 03:57	WG2295881
(S) 1,2-Dichloroethane-d4	102			70.0-130		06/02/2024 23:53	WG2296758

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	1240	J	594	5000	1	06/15/2024 05:19	WG2304423

1
Cp

2
Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	30600		102	1000	1	06/13/2024 09:31	WG2303844

3
Ss

4
Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	17800	V	28.1	100	1	07/10/2024 20:48	WG2297666
Manganese	2930	V	0.704	5.00	1	07/10/2024 20:48	WG2297666

5
Sr

6
Qc

7
Gl

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	27300		2.87	6.78	10	06/02/2024 12:39	WG2297076
Ethane	231		0.296	1.29	1	06/02/2024 10:50	WG2296094
Ethene	2920		0.422	1.27	1	06/02/2024 10:50	WG2296094

8
Al

9
Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		548	1000	1000	06/01/2024 05:40	WG2296518
Acrylonitrile	U		76.0	500	1000	06/01/2024 05:40	WG2296518
Benzene	U		16.0	40.0	1000	06/01/2024 05:40	WG2296518
Bromobenzene	U		42.0	500	1000	06/01/2024 05:40	WG2296518
Bromochloromethane	U		45.2	200	1000	06/01/2024 05:40	WG2296518
Bromodichloromethane	U		31.5	100	1000	06/01/2024 05:40	WG2296518
Bromoform	U		239	1000	1000	06/01/2024 05:40	WG2296518
Bromomethane	U		148	500	1000	06/01/2024 05:40	WG2296518
n-Butylbenzene	U		153	500	1000	06/01/2024 05:40	WG2296518
sec-Butylbenzene	U		101	500	1000	06/01/2024 05:40	WG2296518
tert-Butylbenzene	U		62.0	200	1000	06/01/2024 05:40	WG2296518
Carbon disulfide	U		162	500	1000	06/01/2024 05:40	WG2296518
Carbon tetrachloride	U		43.2	200	1000	06/01/2024 05:40	WG2296518
Chlorobenzene	U		22.9	100	1000	06/01/2024 05:40	WG2296518
Chlorodibromomethane	U		18.0	100	1000	06/01/2024 05:40	WG2296518
Chloroethane	U		43.2	200	1000	06/01/2024 05:40	WG2296518
Chloroform	U		16.6	100	1000	06/01/2024 05:40	WG2296518
Chloromethane	U		55.6	500	1000	06/01/2024 05:40	WG2296518
2-Chlorotoluene	U		36.8	100	1000	06/01/2024 05:40	WG2296518
4-Chlorotoluene	U		45.2	200	1000	06/01/2024 05:40	WG2296518
1,2-Dibromo-3-Chloropropane	U	UJ C3	204	1000	1000	06/01/2024 05:40	WG2296518
1,2-Dibromoethane	U		21.0	100	1000	06/01/2024 05:40	WG2296518
Dibromomethane	U		40.0	200	1000	06/01/2024 05:40	WG2296518
1,2-Dichlorobenzene	U		58.0	200	1000	06/01/2024 05:40	WG2296518
1,3-Dichlorobenzene	U		68.0	200	1000	06/01/2024 05:40	WG2296518
1,4-Dichlorobenzene	U		78.8	200	1000	06/01/2024 05:40	WG2296518
trans-1,4-Dichloro-2-butene	U		56.0	200	1000	06/01/2024 05:40	WG2296518
Dichlorodifluoromethane	U		32.7	200	1000	06/01/2024 05:40	WG2296518
1,1-Dichloroethane	U		23.0	100	1000	06/01/2024 05:40	WG2296518
1,2-Dichloroethane	U		19.0	100	1000	06/01/2024 05:40	WG2296518
1,1-Dichloroethene	26.0	J	20.0	100	1000	06/01/2024 05:40	WG2296518

JC 7/16/2024

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
cis-1,2-Dichloroethene	27900		27.6	100	1000	06/01/2024 05:40	WG2296518
trans-1,2-Dichloroethene	U		57.2	200	1000	06/01/2024 05:40	WG2296518
1,2-Dichloropropane	U		50.8	200	1000	06/01/2024 05:40	WG2296518
1,1-Dichloropropene	U		28.0	100	1000	06/01/2024 05:40	WG2296518
1,3-Dichloropropane	U		70.0	200	1000	06/01/2024 05:40	WG2296518
cis-1,3-Dichloropropene	U		27.1	100	1000	06/01/2024 05:40	WG2296518
trans-1,3-Dichloropropene	U		61.2	200	1000	06/01/2024 05:40	WG2296518
2,2-Dichloropropane	U		31.7	100	1000	06/01/2024 05:40	WG2296518
Di-isopropyl ether	U		14.0	40.0	1000	06/01/2024 05:40	WG2296518
Ethylbenzene	U		21.2	100	1000	06/01/2024 05:40	WG2296518
Hexachloro-1,3-butadiene	U	UJ C3	508	1000	1000	06/01/2024 05:40	WG2296518
2-Hexanone	U		400	1000	1000	06/01/2024 05:40	WG2296518
n-Hexane	U		42.4	200	1000	06/01/2024 05:40	WG2296518
Iodomethane	U		242	500	1000	06/01/2024 05:40	WG2296518
Isopropylbenzene	U		34.5	100	1000	06/01/2024 05:40	WG2296518
p-Isopropyltoluene	U		93.2	200	1000	06/01/2024 05:40	WG2296518
2-Butanone (MEK)	U		500	1000	1000	06/01/2024 05:40	WG2296518
Methylene Chloride	U		265	1000	1000	06/01/2024 05:40	WG2296518
4-Methyl-2-pentanone (MIBK)	U		400	1000	1000	06/01/2024 05:40	WG2296518
Methyl tert-butyl ether	U		11.8	40.0	1000	06/01/2024 05:40	WG2296518
Naphthalene	U	UJ C3 J4	124	500	1000	06/01/2024 05:40	WG2296518
n-Propylbenzene	U		47.2	200	1000	06/01/2024 05:40	WG2296518
Styrene	U		109	500	1000	06/01/2024 05:40	WG2296518
1,1,1,2-Tetrachloroethane	U		20.0	100	1000	06/01/2024 05:40	WG2296518
1,1,2,2-Tetrachloroethane	U		15.6	100	1000	06/01/2024 05:40	WG2296518
1,1,2-Trichlorotrifluoroethane	U		27.0	100	1000	06/01/2024 05:40	WG2296518
Tetrachloroethene	102	J+ C5	28.0	100	1000	06/01/2024 05:40	WG2296518
Toluene	U		50.0	200	1000	06/01/2024 05:40	WG2296518
1,2,3-Trichlorobenzene	U	UJ C3 J4	25.0	500	1000	06/01/2024 05:40	WG2296518
1,2,4-Trichlorobenzene	U	UJ C3 J4	193	500	1000	06/01/2024 05:40	WG2296518
1,1,1-Trichloroethane	U		11.0	100	1000	06/01/2024 05:40	WG2296518
1,1,2-Trichloroethane	U		35.3	100	1000	06/01/2024 05:40	WG2296518
Trichloroethene	108		16.0	40.0	1000	06/01/2024 05:40	WG2296518
Trichlorofluoromethane	U		20.0	100	1000	06/01/2024 05:40	WG2296518
1,2,3-Trichloropropane	U		204	500	1000	06/01/2024 05:40	WG2296518
1,2,4-Trimethylbenzene	U		46.4	200	1000	06/01/2024 05:40	WG2296518
1,2,3-Trimethylbenzene	U		46.0	200	1000	06/01/2024 05:40	WG2296518
1,3,5-Trimethylbenzene	U		43.2	200	1000	06/01/2024 05:40	WG2296518
Vinyl acetate	U		141	500	1000	06/01/2024 05:40	WG2296518
Vinyl chloride	13400		27.3	100	1000	06/01/2024 05:40	WG2296518
Xylenes, Total	U		191	260	1000	06/01/2024 05:40	WG2296518
(S) Toluene-d8	102			75.0-131		06/01/2024 05:40	WG2296518
(S) 4-Bromofluorobenzene	97.4			67.0-138		06/01/2024 05:40	WG2296518
(S) 1,2-Dichloroethane-d4	104			70.0-130		06/01/2024 05:40	WG2296518

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/16/2024

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Sulfate	11700		594	5000	1	06/15/2024 06:13	WG2304423

1
Cp

2
Tc

Wet Chemistry by Method 9060A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	5040		102	1000	1	06/13/2024 09:55	WG2303844

3
Ss

4
Cn

Metals (ICPMS) by Method 6020B

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Iron	1780		28.1	100	1	07/10/2024 22:11	WG2297666
Manganese	1350		0.704	5.00	1	07/10/2024 22:11	WG2297666

5
Sr

6
Qc

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Methane	3020		0.287	0.678	1	06/02/2024 11:34	WG2296094
Ethane	7.59		0.296	1.29	1	06/02/2024 11:34	WG2296094
Ethene	67.6		0.422	1.27	1	06/02/2024 11:34	WG2296094

7
Gl

8
Al

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

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.0	20.0	20	06/01/2024 05:59	WG2296518
Acrylonitrile	U		1.52	10.0	20	06/01/2024 05:59	WG2296518
Benzene	U		0.320	0.800	20	06/01/2024 05:59	WG2296518
Bromobenzene	U		0.840	10.0	20	06/01/2024 05:59	WG2296518
Bromochloromethane	U		0.904	4.00	20	06/01/2024 05:59	WG2296518
Bromodichloromethane	U		0.630	2.00	20	06/01/2024 05:59	WG2296518
Bromoform	U		4.78	20.0	20	06/01/2024 05:59	WG2296518
Bromomethane	U		2.96	10.0	20	06/01/2024 05:59	WG2296518
n-Butylbenzene	U		3.06	10.0	20	06/01/2024 05:59	WG2296518
sec-Butylbenzene	U		2.02	10.0	20	06/01/2024 05:59	WG2296518
tert-Butylbenzene	U		1.24	4.00	20	06/01/2024 05:59	WG2296518
Carbon disulfide	U		3.24	10.0	20	06/01/2024 05:59	WG2296518
Carbon tetrachloride	U		0.864	4.00	20	06/01/2024 05:59	WG2296518
Chlorobenzene	U		0.458	2.00	20	06/01/2024 05:59	WG2296518
Chlorodibromomethane	U		0.360	2.00	20	06/01/2024 05:59	WG2296518
Chloroethane	U		0.864	4.00	20	06/01/2024 05:59	WG2296518
Chloroform	U		0.332	2.00	20	06/01/2024 05:59	WG2296518
Chloromethane	U		1.11	10.0	20	06/01/2024 05:59	WG2296518
2-Chlorotoluene	U		0.736	2.00	20	06/01/2024 05:59	WG2296518
4-Chlorotoluene	U		0.904	4.00	20	06/01/2024 05:59	WG2296518
1,2-Dibromo-3-Chloropropane	U	UJ C3	4.08	20.0	20	06/01/2024 05:59	WG2296518
1,2-Dibromoethane	U		0.420	2.00	20	06/01/2024 05:59	WG2296518
Dibromomethane	U		0.800	4.00	20	06/01/2024 05:59	WG2296518
1,2-Dichlorobenzene	U		1.16	4.00	20	06/01/2024 05:59	WG2296518
1,3-Dichlorobenzene	U		1.36	4.00	20	06/01/2024 05:59	WG2296518
1,4-Dichlorobenzene	U		1.58	4.00	20	06/01/2024 05:59	WG2296518
trans-1,4-Dichloro-2-butene	U		1.12	4.00	20	06/01/2024 05:59	WG2296518
Dichlorodifluoromethane	U		0.654	4.00	20	06/01/2024 05:59	WG2296518
1,1-Dichloroethane	U		0.460	2.00	20	06/01/2024 05:59	WG2296518
1,2-Dichloroethane	U		0.380	2.00	20	06/01/2024 05:59	WG2296518
1,1-Dichloroethene	5.20		0.400	2.00	20	06/01/2024 05:59	WG2296518

9
Sc

JC 7/16/2024

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	84.4		0.552	2.00	20	06/01/2024 05:59	WG2296518
trans-1,2-Dichloroethene	1.38	J	1.14	4.00	20	06/01/2024 05:59	WG2296518
1,2-Dichloropropane	U		1.02	4.00	20	06/01/2024 05:59	WG2296518
1,1-Dichloropropene	U		0.560	2.00	20	06/01/2024 05:59	WG2296518
1,3-Dichloropropane	U		1.40	4.00	20	06/01/2024 05:59	WG2296518
cis-1,3-Dichloropropene	U		0.542	2.00	20	06/01/2024 05:59	WG2296518
trans-1,3-Dichloropropene	U		1.22	4.00	20	06/01/2024 05:59	WG2296518
2,2-Dichloropropane	U		0.634	2.00	20	06/01/2024 05:59	WG2296518
Di-isopropyl ether	U		0.280	0.800	20	06/01/2024 05:59	WG2296518
Ethylbenzene	U		0.424	2.00	20	06/01/2024 05:59	WG2296518
Hexachloro-1,3-butadiene	U	UJ C3	10.2	20.0	20	06/01/2024 05:59	WG2296518
2-Hexanone	U		8.00	20.0	20	06/01/2024 05:59	WG2296518
n-Hexane	U		0.848	4.00	20	06/01/2024 05:59	WG2296518
Iodomethane	U		4.84	10.0	20	06/01/2024 05:59	WG2296518
Isopropylbenzene	U		0.690	2.00	20	06/01/2024 05:59	WG2296518
p-Isopropyltoluene	U		1.86	4.00	20	06/01/2024 05:59	WG2296518
2-Butanone (MEK)	U		10.0	20.0	20	06/01/2024 05:59	WG2296518
Methylene Chloride	U		5.30	20.0	20	06/01/2024 05:59	WG2296518
4-Methyl-2-pentanone (MIBK)	U		8.00	20.0	20	06/01/2024 05:59	WG2296518
Methyl tert-butyl ether	U		0.236	0.800	20	06/01/2024 05:59	WG2296518
Naphthalene	U	UJ C3 J4	2.48	10.0	20	06/01/2024 05:59	WG2296518
n-Propylbenzene	U		0.944	4.00	20	06/01/2024 05:59	WG2296518
Styrene	U		2.18	10.0	20	06/01/2024 05:59	WG2296518
1,1,1,2-Tetrachloroethane	U		0.400	2.00	20	06/01/2024 05:59	WG2296518
1,1,2,2-Tetrachloroethane	U		0.312	2.00	20	06/01/2024 05:59	WG2296518
1,1,2-Trichlorotrifluoroethane	U		0.540	2.00	20	06/01/2024 05:59	WG2296518
Tetrachloroethene	87.8	J+ C5	0.560	2.00	20	06/01/2024 05:59	WG2296518
Toluene	U		1.00	4.00	20	06/01/2024 05:59	WG2296518
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.500	10.0	20	06/01/2024 05:59	WG2296518
1,2,4-Trichlorobenzene	U	UJ C3 J4	3.86	10.0	20	06/01/2024 05:59	WG2296518
1,1,1-Trichloroethane	U		0.220	2.00	20	06/01/2024 05:59	WG2296518
1,1,2-Trichloroethane	U		0.706	2.00	20	06/01/2024 05:59	WG2296518
Trichloroethene	117		0.320	0.800	20	06/01/2024 05:59	WG2296518
Trichlorofluoromethane	U		0.400	2.00	20	06/01/2024 05:59	WG2296518
1,2,3-Trichloropropane	U		4.08	10.0	20	06/01/2024 05:59	WG2296518
1,2,4-Trimethylbenzene	U		0.928	4.00	20	06/01/2024 05:59	WG2296518
1,2,3-Trimethylbenzene	U		0.920	4.00	20	06/01/2024 05:59	WG2296518
1,3,5-Trimethylbenzene	U		0.864	4.00	20	06/01/2024 05:59	WG2296518
Vinyl acetate	U		2.82	10.0	20	06/01/2024 05:59	WG2296518
Vinyl chloride	63.2		0.546	2.00	20	06/01/2024 05:59	WG2296518
Xylenes, Total	U		3.82	5.20	20	06/01/2024 05:59	WG2296518
(S) Toluene-d8	103			75.0-131		06/01/2024 05:59	WG2296518
(S) 4-Bromofluorobenzene	98.8			67.0-138		06/01/2024 05:59	WG2296518
(S) 1,2-Dichloroethane-d4	103			70.0-130		06/01/2024 05:59	WG2296518



JC 7/16/2024

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Sulfate	19000		594	5000	1	06/15/2024 06:39	WG2304423

1
Cp

2
Tc

Wet Chemistry by Method 9060A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	10700		102	1000	1	06/13/2024 11:00	WG2303844

3
Ss

4
Cn

Metals (ICPMS) by Method 6020B

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Iron	2650		28.1	100	1	07/10/2024 22:14	WG2297666
Manganese	1330		0.704	5.00	1	07/10/2024 22:14	WG2297666

5
Sr

6
Qc

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Methane	36600		2.87	6.78	10	06/02/2024 12:46	WG2297076
Ethane	5.04		0.296	1.29	1	06/02/2024 11:42	WG2296094
Ethene	353		0.422	1.27	1	06/02/2024 11:42	WG2296094

7
Gl

8
Al

9
Sc

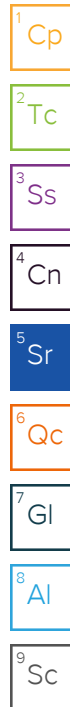
Volatile Organic Compounds (GC/MS) by Method 8260D

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Acetone	U		54.8	100	100	06/01/2024 06:18	WG2296518
Acrylonitrile	U		7.60	50.0	100	06/01/2024 06:18	WG2296518
Benzene	U		1.60	4.00	100	06/01/2024 06:18	WG2296518
Bromobenzene	U		4.20	50.0	100	06/01/2024 06:18	WG2296518
Bromochloromethane	U		4.52	20.0	100	06/01/2024 06:18	WG2296518
Bromodichloromethane	U		3.15	10.0	100	06/01/2024 06:18	WG2296518
Bromoform	U		23.9	100	100	06/01/2024 06:18	WG2296518
Bromomethane	U		14.8	50.0	100	06/01/2024 06:18	WG2296518
n-Butylbenzene	U		15.3	50.0	100	06/01/2024 06:18	WG2296518
sec-Butylbenzene	U		10.1	50.0	100	06/01/2024 06:18	WG2296518
tert-Butylbenzene	U		6.20	20.0	100	06/01/2024 06:18	WG2296518
Carbon disulfide	U		16.2	50.0	100	06/01/2024 06:18	WG2296518
Carbon tetrachloride	U		4.32	20.0	100	06/01/2024 06:18	WG2296518
Chlorobenzene	U		2.29	10.0	100	06/01/2024 06:18	WG2296518
Chlorodibromomethane	U		1.80	10.0	100	06/01/2024 06:18	WG2296518
Chloroethane	U		4.32	20.0	100	06/01/2024 06:18	WG2296518
Chloroform	U		1.66	10.0	100	06/01/2024 06:18	WG2296518
Chloromethane	U		5.56	50.0	100	06/01/2024 06:18	WG2296518
2-Chlorotoluene	U		3.68	10.0	100	06/01/2024 06:18	WG2296518
4-Chlorotoluene	U		4.52	20.0	100	06/01/2024 06:18	WG2296518
1,2-Dibromo-3-Chloropropane	U	UJ C3	20.4	100	100	06/01/2024 06:18	WG2296518
1,2-Dibromoethane	U		2.10	10.0	100	06/01/2024 06:18	WG2296518
Dibromomethane	U		4.00	20.0	100	06/01/2024 06:18	WG2296518
1,2-Dichlorobenzene	U		5.80	20.0	100	06/01/2024 06:18	WG2296518
1,3-Dichlorobenzene	U		6.80	20.0	100	06/01/2024 06:18	WG2296518
1,4-Dichlorobenzene	U		7.88	20.0	100	06/01/2024 06:18	WG2296518
trans-1,4-Dichloro-2-butene	U		5.60	20.0	100	06/01/2024 06:18	WG2296518
Dichlorodifluoromethane	U		3.27	20.0	100	06/01/2024 06:18	WG2296518
1,1-Dichloroethane	U		2.30	10.0	100	06/01/2024 06:18	WG2296518
1,2-Dichloroethane	U		1.90	10.0	100	06/01/2024 06:18	WG2296518
1,1-Dichloroethene	U		2.00	10.0	100	06/01/2024 06:18	WG2296518

JC 7/16/2024

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
cis-1,2-Dichloroethene	205		2.76	10.0	100	06/01/2024 06:18	WG2296518
trans-1,2-Dichloroethene	U		5.72	20.0	100	06/01/2024 06:18	WG2296518
1,2-Dichloropropane	U		5.08	20.0	100	06/01/2024 06:18	WG2296518
1,1-Dichloropropene	U		2.80	10.0	100	06/01/2024 06:18	WG2296518
1,3-Dichloropropane	U		7.00	20.0	100	06/01/2024 06:18	WG2296518
cis-1,3-Dichloropropene	U		2.71	10.0	100	06/01/2024 06:18	WG2296518
trans-1,3-Dichloropropene	U		6.12	20.0	100	06/01/2024 06:18	WG2296518
2,2-Dichloropropane	U		3.17	10.0	100	06/01/2024 06:18	WG2296518
Di-isopropyl ether	U		1.40	4.00	100	06/01/2024 06:18	WG2296518
Ethylbenzene	U		2.12	10.0	100	06/01/2024 06:18	WG2296518
Hexachloro-1,3-butadiene	U	UJ C3	50.8	100	100	06/01/2024 06:18	WG2296518
2-Hexanone	U		40.0	100	100	06/01/2024 06:18	WG2296518
n-Hexane	U		4.24	20.0	100	06/01/2024 06:18	WG2296518
Iodomethane	U		24.2	50.0	100	06/01/2024 06:18	WG2296518
Isopropylbenzene	U		3.45	10.0	100	06/01/2024 06:18	WG2296518
p-Isopropyltoluene	U		9.32	20.0	100	06/01/2024 06:18	WG2296518
2-Butanone (MEK)	U		50.0	100	100	06/01/2024 06:18	WG2296518
Methylene Chloride	U		26.5	100	100	06/01/2024 06:18	WG2296518
4-Methyl-2-pentanone (MIBK)	U		40.0	100	100	06/01/2024 06:18	WG2296518
Methyl tert-butyl ether	U		1.18	4.00	100	06/01/2024 06:18	WG2296518
Naphthalene	U	UJ C3 J4	12.4	50.0	100	06/01/2024 06:18	WG2296518
n-Propylbenzene	U		4.72	20.0	100	06/01/2024 06:18	WG2296518
Styrene	U		10.9	50.0	100	06/01/2024 06:18	WG2296518
1,1,1,2-Tetrachloroethane	U		2.00	10.0	100	06/01/2024 06:18	WG2296518
1,1,2,2-Tetrachloroethane	U		1.56	10.0	100	06/01/2024 06:18	WG2296518
1,1,2-Trichlorotrifluoroethane	U		2.70	10.0	100	06/01/2024 06:18	WG2296518
Tetrachloroethene	U		2.80	10.0	100	06/01/2024 06:18	WG2296518
Toluene	U		5.00	20.0	100	06/01/2024 06:18	WG2296518
1,2,3-Trichlorobenzene	U	UJ C3 J4	2.50	50.0	100	06/01/2024 06:18	WG2296518
1,2,4-Trichlorobenzene	U	UJ C3 J4	19.3	50.0	100	06/01/2024 06:18	WG2296518
1,1,1-Trichloroethane	U		1.10	10.0	100	06/01/2024 06:18	WG2296518
1,1,2-Trichloroethane	U		3.53	10.0	100	06/01/2024 06:18	WG2296518
Trichloroethene	U		1.60	4.00	100	06/01/2024 06:18	WG2296518
Trichlorofluoromethane	U		2.00	10.0	100	06/01/2024 06:18	WG2296518
1,2,3-Trichloropropane	U		20.4	50.0	100	06/01/2024 06:18	WG2296518
1,2,4-Trimethylbenzene	U		4.64	20.0	100	06/01/2024 06:18	WG2296518
1,2,3-Trimethylbenzene	U		4.60	20.0	100	06/01/2024 06:18	WG2296518
1,3,5-Trimethylbenzene	U		4.32	20.0	100	06/01/2024 06:18	WG2296518
Vinyl acetate	U		14.1	50.0	100	06/01/2024 06:18	WG2296518
Vinyl chloride	1030		2.73	10.0	100	06/01/2024 06:18	WG2296518
Xylenes, Total	U		19.1	26.0	100	06/01/2024 06:18	WG2296518
(S) Toluene-d8	100			75.0-131		06/01/2024 06:18	WG2296518
(S) 4-Bromofluorobenzene	97.4			67.0-138		06/01/2024 06:18	WG2296518
(S) 1,2-Dichloroethane-d4	102			70.0-130		06/01/2024 06:18	WG2296518



JC 7/16/2024

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	1870	J P1	594	5000	1	06/15/2024 07:06	WG2304423

1
Cp

2
Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	31000		102	1000	1	06/13/2024 11:45	WG2303844

3
Ss

4
Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	13300		28.1	100	1	07/10/2024 23:49	WG2297670
Manganese	1590		0.704	5.00	1	07/10/2024 23:49	WG2297670

5
Sr

6
Qc

7
Gl

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	85.2		0.287	0.678	1	06/02/2024 15:39	WG2296667
Ethane	U		0.296	1.29	1	06/02/2024 15:39	WG2296667
Ethene	2.44		0.422	1.27	1	06/02/2024 15:39	WG2296667

8
Al

9
Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		110	200	200	06/01/2024 06:37	WG2296518
Acrylonitrile	U		15.2	100	200	06/01/2024 06:37	WG2296518
Benzene	U		3.20	8.00	200	06/01/2024 06:37	WG2296518
Bromobenzene	U		8.40	100	200	06/01/2024 06:37	WG2296518
Bromochloromethane	U		9.04	40.0	200	06/01/2024 06:37	WG2296518
Bromodichloromethane	U		6.30	20.0	200	06/01/2024 06:37	WG2296518
Bromoform	U		47.8	200	200	06/01/2024 06:37	WG2296518
Bromomethane	U		29.6	100	200	06/01/2024 06:37	WG2296518
n-Butylbenzene	U		30.6	100	200	06/01/2024 06:37	WG2296518
sec-Butylbenzene	U		20.2	100	200	06/01/2024 06:37	WG2296518
tert-Butylbenzene	U		12.4	40.0	200	06/01/2024 06:37	WG2296518
Carbon disulfide	U		32.4	100	200	06/01/2024 06:37	WG2296518
Carbon tetrachloride	U		8.64	40.0	200	06/01/2024 06:37	WG2296518
Chlorobenzene	U		4.58	20.0	200	06/01/2024 06:37	WG2296518
Chlorodibromomethane	U		3.60	20.0	200	06/01/2024 06:37	WG2296518
Chloroethane	U		8.64	40.0	200	06/01/2024 06:37	WG2296518
Chloroform	U		3.32	20.0	200	06/01/2024 06:37	WG2296518
Chloromethane	U		11.1	100	200	06/01/2024 06:37	WG2296518
2-Chlorotoluene	U		7.36	20.0	200	06/01/2024 06:37	WG2296518
4-Chlorotoluene	U		9.04	40.0	200	06/01/2024 06:37	WG2296518
1,2-Dibromo-3-Chloropropane	U	UJ C3	40.8	200	200	06/01/2024 06:37	WG2296518
1,2-Dibromoethane	U		4.20	20.0	200	06/01/2024 06:37	WG2296518
Dibromomethane	U		8.00	40.0	200	06/01/2024 06:37	WG2296518
1,2-Dichlorobenzene	U		11.6	40.0	200	06/01/2024 06:37	WG2296518
1,3-Dichlorobenzene	U		13.6	40.0	200	06/01/2024 06:37	WG2296518
1,4-Dichlorobenzene	U		15.8	40.0	200	06/01/2024 06:37	WG2296518
trans-1,4-Dichloro-2-butene	U		11.2	40.0	200	06/01/2024 06:37	WG2296518
Dichlorodifluoromethane	U		6.54	40.0	200	06/01/2024 06:37	WG2296518
1,1-Dichloroethane	U		4.60	20.0	200	06/01/2024 06:37	WG2296518
1,2-Dichloroethane	U		3.80	20.0	200	06/01/2024 06:37	WG2296518
1,1-Dichloroethene	10.2	J	4.00	20.0	200	06/01/2024 06:37	WG2296518

JC 7/16/2024

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	6730		5.52	20.0	200	06/01/2024 06:37	WG2296518
trans-1,2-Dichloroethene	16.6	J	11.4	40.0	200	06/01/2024 06:37	WG2296518
1,2-Dichloropropane	U		10.2	40.0	200	06/01/2024 06:37	WG2296518
1,1-Dichloropropene	U		5.60	20.0	200	06/01/2024 06:37	WG2296518
1,3-Dichloropropane	U		14.0	40.0	200	06/01/2024 06:37	WG2296518
cis-1,3-Dichloropropene	U		5.42	20.0	200	06/01/2024 06:37	WG2296518
trans-1,3-Dichloropropene	U		12.2	40.0	200	06/01/2024 06:37	WG2296518
2,2-Dichloropropane	U		6.34	20.0	200	06/01/2024 06:37	WG2296518
Di-isopropyl ether	U		2.80	8.00	200	06/01/2024 06:37	WG2296518
Ethylbenzene	U		4.24	20.0	200	06/01/2024 06:37	WG2296518
Hexachloro-1,3-butadiene	U	UJ C3	102	200	200	06/01/2024 06:37	WG2296518
2-Hexanone	U		80.0	200	200	06/01/2024 06:37	WG2296518
n-Hexane	U		8.48	40.0	200	06/01/2024 06:37	WG2296518
Iodomethane	U		48.4	100	200	06/01/2024 06:37	WG2296518
Isopropylbenzene	U		6.90	20.0	200	06/01/2024 06:37	WG2296518
p-Isopropyltoluene	U		18.6	40.0	200	06/01/2024 06:37	WG2296518
2-Butanone (MEK)	U		100	200	200	06/01/2024 06:37	WG2296518
Methylene Chloride	U		53.0	200	200	06/01/2024 06:37	WG2296518
4-Methyl-2-pentanone (MIBK)	U		80.0	200	200	06/01/2024 06:37	WG2296518
Methyl tert-butyl ether	U		2.36	8.00	200	06/01/2024 06:37	WG2296518
Naphthalene	U	UJ C3 J4	24.8	100	200	06/01/2024 06:37	WG2296518
n-Propylbenzene	U		9.44	40.0	200	06/01/2024 06:37	WG2296518
Styrene	U		21.8	100	200	06/01/2024 06:37	WG2296518
1,1,1,2-Tetrachloroethane	U		4.00	20.0	200	06/01/2024 06:37	WG2296518
1,1,2,2-Tetrachloroethane	U		3.12	20.0	200	06/01/2024 06:37	WG2296518
1,1,2-Trichlorotrifluoroethane	U		5.40	20.0	200	06/01/2024 06:37	WG2296518
Tetrachloroethene	U		5.60	20.0	200	06/01/2024 06:37	WG2296518
Toluene	U		10.0	40.0	200	06/01/2024 06:37	WG2296518
1,2,3-Trichlorobenzene	U	UJ C3 J4	5.00	100	200	06/01/2024 06:37	WG2296518
1,2,4-Trichlorobenzene	U	UJ C3 J4	38.6	100	200	06/01/2024 06:37	WG2296518
1,1,1-Trichloroethane	U		2.20	20.0	200	06/01/2024 06:37	WG2296518
1,1,2-Trichloroethane	U		7.06	20.0	200	06/01/2024 06:37	WG2296518
Trichloroethene	U		3.20	8.00	200	06/01/2024 06:37	WG2296518
Trichlorofluoromethane	U		4.00	20.0	200	06/01/2024 06:37	WG2296518
1,2,3-Trichloropropane	U		40.8	100	200	06/01/2024 06:37	WG2296518
1,2,4-Trimethylbenzene	U		9.28	40.0	200	06/01/2024 06:37	WG2296518
1,2,3-Trimethylbenzene	U		9.20	40.0	200	06/01/2024 06:37	WG2296518
1,3,5-Trimethylbenzene	U		8.64	40.0	200	06/01/2024 06:37	WG2296518
Vinyl acetate	U		28.2	100	200	06/01/2024 06:37	WG2296518
Vinyl chloride	6540		5.46	20.0	200	06/01/2024 06:37	WG2296518
Xylenes, Total	U		38.2	52.0	200	06/01/2024 06:37	WG2296518
(S) Toluene-d8	103			75.0-131		06/01/2024 06:37	WG2296518
(S) 4-Bromofluorobenzene	97.4			67.0-138		06/01/2024 06:37	WG2296518
(S) 1,2-Dichloroethane-d4	106			70.0-130		06/01/2024 06:37	WG2296518

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/16/2024

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	2350	J	594	5000	1	06/15/2024 08:13	WG2304423

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	16600		102	1000	1	06/13/2024 12:55	WG2303844

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	34900		281	1000	10	07/11/2024 13:19	WG2297670
Manganese	2650		0.704	5.00	1	07/11/2024 00:39	WG2297670

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	608		0.287	0.678	1	06/02/2024 15:49	WG2296667
Ethane	U		0.296	1.29	1	06/02/2024 15:49	WG2296667
Ethene	7.71		0.422	1.27	1	06/02/2024 15:49	WG2296667

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U	UJ	27.4	50.0	50	06/01/2024 06:56	WG2296518
Acrylonitrile	U		3.80	25.0	50	06/01/2024 06:56	WG2296518
Benzene	U		0.800	2.00	50	06/01/2024 06:56	WG2296518
Bromobenzene	U		2.10	25.0	50	06/01/2024 06:56	WG2296518
Bromochloromethane	U		2.26	10.0	50	06/01/2024 06:56	WG2296518
Bromodichloromethane	U		1.58	5.00	50	06/01/2024 06:56	WG2296518
Bromoform	U		12.0	50.0	50	06/01/2024 06:56	WG2296518
Bromomethane	U		7.40	25.0	50	06/01/2024 06:56	WG2296518
n-Butylbenzene	U		7.65	25.0	50	06/01/2024 06:56	WG2296518
sec-Butylbenzene	U		5.05	25.0	50	06/01/2024 06:56	WG2296518
tert-Butylbenzene	U		3.10	10.0	50	06/01/2024 06:56	WG2296518
Carbon disulfide	U		8.10	25.0	50	06/01/2024 06:56	WG2296518
Carbon tetrachloride	U		2.16	10.0	50	06/01/2024 06:56	WG2296518
Chlorobenzene	U		1.15	5.00	50	06/01/2024 06:56	WG2296518
Chlorodibromomethane	U		0.900	5.00	50	06/01/2024 06:56	WG2296518
Chloroethane	U		2.16	10.0	50	06/01/2024 06:56	WG2296518
Chloroform	U		0.830	5.00	50	06/01/2024 06:56	WG2296518
Chloromethane	U		2.78	25.0	50	06/01/2024 06:56	WG2296518
2-Chlorotoluene	U		1.84	5.00	50	06/01/2024 06:56	WG2296518
4-Chlorotoluene	U	UJ	2.26	10.0	50	06/01/2024 06:56	WG2296518
1,2-Dibromo-3-Chloropropane	U	UJ C3	10.2	50.0	50	06/01/2024 06:56	WG2296518
1,2-Dibromoethane	U		1.05	5.00	50	06/01/2024 06:56	WG2296518
Dibromomethane	U		2.00	10.0	50	06/01/2024 06:56	WG2296518
1,2-Dichlorobenzene	U		2.90	10.0	50	06/01/2024 06:56	WG2296518
1,3-Dichlorobenzene	U		3.40	10.0	50	06/01/2024 06:56	WG2296518
1,4-Dichlorobenzene	U		3.94	10.0	50	06/01/2024 06:56	WG2296518
trans-1,4-Dichloro-2-butene	U		2.80	10.0	50	06/01/2024 06:56	WG2296518
Dichlorodifluoromethane	U		1.64	10.0	50	06/01/2024 06:56	WG2296518
1,1-Dichloroethane	U		1.15	5.00	50	06/01/2024 06:56	WG2296518
1,2-Dichloroethane	U	UJ	0.950	5.00	50	06/01/2024 06:56	WG2296518
1,1-Dichloroethene	5.75	J	1.00	5.00	50	06/01/2024 06:56	WG2296518

JC 7/16/2024

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	718	J	1.38	5.00	50	06/01/2024 06:56	WG2296518
trans-1,2-Dichloroethene	5.25	J J	2.86	10.0	50	06/01/2024 06:56	WG2296518
1,2-Dichloropropane	U	UJ	2.54	10.0	50	06/01/2024 06:56	WG2296518
1,1-Dichloropropene	U		1.40	5.00	50	06/01/2024 06:56	WG2296518
1,3-Dichloropropane	U		3.50	10.0	50	06/01/2024 06:56	WG2296518
cis-1,3-Dichloropropene	U		1.36	5.00	50	06/01/2024 06:56	WG2296518
trans-1,3-Dichloropropene	U		3.06	10.0	50	06/01/2024 06:56	WG2296518
2,2-Dichloropropane	U		1.59	5.00	50	06/01/2024 06:56	WG2296518
Di-isopropyl ether	U		0.700	2.00	50	06/01/2024 06:56	WG2296518
Ethylbenzene	U		1.06	5.00	50	06/01/2024 06:56	WG2296518
Hexachloro-1,3-butadiene	U	UJ C3	25.4	50.0	50	06/01/2024 06:56	WG2296518
2-Hexanone	U		20.0	50.0	50	06/01/2024 06:56	WG2296518
n-Hexane	U		2.12	10.0	50	06/01/2024 06:56	WG2296518
Iodomethane	U		12.1	25.0	50	06/01/2024 06:56	WG2296518
Isopropylbenzene	U		1.73	5.00	50	06/01/2024 06:56	WG2296518
p-Isopropyltoluene	U		4.66	10.0	50	06/01/2024 06:56	WG2296518
2-Butanone (MEK)	U		25.0	50.0	50	06/01/2024 06:56	WG2296518
Methylene Chloride	U		13.3	50.0	50	06/01/2024 06:56	WG2296518
4-Methyl-2-pentanone (MIBK)	U		20.0	50.0	50	06/01/2024 06:56	WG2296518
Methyl tert-butyl ether	U	UJ	0.590	2.00	50	06/01/2024 06:56	WG2296518
Naphthalene	U	UJ C3 J4	6.20	25.0	50	06/01/2024 06:56	WG2296518
n-Propylbenzene	U		2.36	10.0	50	06/01/2024 06:56	WG2296518
Styrene	U		5.45	25.0	50	06/01/2024 06:56	WG2296518
1,1,1,2-Tetrachloroethane	U		1.00	5.00	50	06/01/2024 06:56	WG2296518
1,1,2,2-Tetrachloroethane	U		0.780	5.00	50	06/01/2024 06:56	WG2296518
1,1,2-Trichlorotrifluoroethane	U		1.35	5.00	50	06/01/2024 06:56	WG2296518
Tetrachloroethene	6.45	J+ C5	1.40	5.00	50	06/01/2024 06:56	WG2296518
Toluene	U	UJ	2.50	10.0	50	06/01/2024 06:56	WG2296518
1,2,3-Trichlorobenzene	U	UJ C3 J4	1.25	25.0	50	06/01/2024 06:56	WG2296518
1,2,4-Trichlorobenzene	U	UJ C3 J4	9.65	25.0	50	06/01/2024 06:56	WG2296518
1,1,1-Trichloroethane	U	UJ	0.550	5.00	50	06/01/2024 06:56	WG2296518
1,1,2-Trichloroethane	U	UJ	1.77	5.00	50	06/01/2024 06:56	WG2296518
Trichloroethene	1.25	J J	0.800	2.00	50	06/01/2024 06:56	WG2296518
Trichlorofluoromethane	U	UJ	1.00	5.00	50	06/01/2024 06:56	WG2296518
1,2,3-Trichloropropane	U		10.2	25.0	50	06/01/2024 06:56	WG2296518
1,2,4-Trimethylbenzene	U		2.32	10.0	50	06/01/2024 06:56	WG2296518
1,2,3-Trimethylbenzene	U		2.30	10.0	50	06/01/2024 06:56	WG2296518
1,3,5-Trimethylbenzene	U		2.16	10.0	50	06/01/2024 06:56	WG2296518
Vinyl acetate	U	UJ	7.05	25.0	50	06/01/2024 06:56	WG2296518
Vinyl chloride	1750	J	1.36	5.00	50	06/01/2024 06:56	WG2296518
Xylenes, Total	U	UJ	9.55	13.0	50	06/01/2024 06:56	WG2296518
(S) Toluene-d8	104			75.0-131		06/01/2024 06:56	WG2296518
(S) 4-Bromofluorobenzene	96.4			67.0-138		06/01/2024 06:56	WG2296518
(S) 1,2-Dichloroethane-d4	104			70.0-130		06/01/2024 06:56	WG2296518

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/16/2024

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		13.7	25.0	25	06/01/2024 07:15	WG2296518
Acrylonitrile	U		1.90	12.5	25	06/01/2024 07:15	WG2296518
Benzene	0.700	J	0.400	1.00	25	06/01/2024 07:15	WG2296518
Bromobenzene	U		1.05	12.5	25	06/01/2024 07:15	WG2296518
Bromochloromethane	U		1.13	5.00	25	06/01/2024 07:15	WG2296518
Bromodichloromethane	U		0.788	2.50	25	06/01/2024 07:15	WG2296518
Bromoform	U		5.98	25.0	25	06/01/2024 07:15	WG2296518
Bromomethane	U		3.70	12.5	25	06/01/2024 07:15	WG2296518
n-Butylbenzene	U		3.83	12.5	25	06/01/2024 07:15	WG2296518
sec-Butylbenzene	U		2.53	12.5	25	06/01/2024 07:15	WG2296518
tert-Butylbenzene	U		1.55	5.00	25	06/01/2024 07:15	WG2296518
Carbon disulfide	U		4.05	12.5	25	06/01/2024 07:15	WG2296518
Carbon tetrachloride	U		1.08	5.00	25	06/01/2024 07:15	WG2296518
Chlorobenzene	U		0.573	2.50	25	06/01/2024 07:15	WG2296518
Chlorodibromomethane	U		0.450	2.50	25	06/01/2024 07:15	WG2296518
Chloroethane	U		1.08	5.00	25	06/01/2024 07:15	WG2296518
Chloroform	U		0.415	2.50	25	06/01/2024 07:15	WG2296518
Chloromethane	U		1.39	12.5	25	06/01/2024 07:15	WG2296518
2-Chlorotoluene	U		0.920	2.50	25	06/01/2024 07:15	WG2296518
4-Chlorotoluene	U		1.13	5.00	25	06/01/2024 07:15	WG2296518
1,2-Dibromo-3-Chloropropane	U	UJ C3	5.10	25.0	25	06/01/2024 07:15	WG2296518
1,2-Dibromoethane	U		0.525	2.50	25	06/01/2024 07:15	WG2296518
Dibromomethane	U		1.00	5.00	25	06/01/2024 07:15	WG2296518
1,2-Dichlorobenzene	U		1.45	5.00	25	06/01/2024 07:15	WG2296518
1,3-Dichlorobenzene	U		1.70	5.00	25	06/01/2024 07:15	WG2296518
1,4-Dichlorobenzene	U		1.97	5.00	25	06/01/2024 07:15	WG2296518
trans-1,4-Dichloro-2-butene	U		1.40	5.00	25	06/01/2024 07:15	WG2296518
Dichlorodifluoromethane	U		0.818	5.00	25	06/01/2024 07:15	WG2296518
1,1-Dichloroethane	U		0.575	2.50	25	06/01/2024 07:15	WG2296518
1,2-Dichloroethane	U		0.475	2.50	25	06/01/2024 07:15	WG2296518
1,1-Dichloroethene	1.93	J	0.500	2.50	25	06/01/2024 07:15	WG2296518
cis-1,2-Dichloroethene	931		0.690	2.50	25	06/01/2024 07:15	WG2296518
trans-1,2-Dichloroethene	3.97	J	1.43	5.00	25	06/01/2024 07:15	WG2296518
1,2-Dichloropropane	U		1.27	5.00	25	06/01/2024 07:15	WG2296518
1,1-Dichloropropene	U		0.700	2.50	25	06/01/2024 07:15	WG2296518
1,3-Dichloropropane	U		1.75	5.00	25	06/01/2024 07:15	WG2296518
cis-1,3-Dichloropropene	U		0.678	2.50	25	06/01/2024 07:15	WG2296518
trans-1,3-Dichloropropene	U		1.53	5.00	25	06/01/2024 07:15	WG2296518
2,2-Dichloropropane	U		0.793	2.50	25	06/01/2024 07:15	WG2296518
Di-isopropyl ether	U		0.350	1.00	25	06/01/2024 07:15	WG2296518
Ethylbenzene	U		0.530	2.50	25	06/01/2024 07:15	WG2296518
Hexachloro-1,3-butadiene	U	UJ C3	12.7	25.0	25	06/01/2024 07:15	WG2296518
2-Hexanone	U		10.0	25.0	25	06/01/2024 07:15	WG2296518
n-Hexane	U		1.06	5.00	25	06/01/2024 07:15	WG2296518
Iodomethane	U		6.05	12.5	25	06/01/2024 07:15	WG2296518
Isopropylbenzene	U		0.863	2.50	25	06/01/2024 07:15	WG2296518
p-Isopropyltoluene	U		2.33	5.00	25	06/01/2024 07:15	WG2296518
2-Butanone (MEK)	U		12.5	25.0	25	06/01/2024 07:15	WG2296518
Methylene Chloride	U		6.63	25.0	25	06/01/2024 07:15	WG2296518
4-Methyl-2-pentanone (MIBK)	U		10.0	25.0	25	06/01/2024 07:15	WG2296518
Methyl tert-butyl ether	U		0.295	1.00	25	06/01/2024 07:15	WG2296518
Naphthalene	U	UJ C3 J4	3.10	12.5	25	06/01/2024 07:15	WG2296518
n-Propylbenzene	U		1.18	5.00	25	06/01/2024 07:15	WG2296518
Styrene	U		2.73	12.5	25	06/01/2024 07:15	WG2296518
1,1,1,2-Tetrachloroethane	U		0.500	2.50	25	06/01/2024 07:15	WG2296518
1,1,2,2-Tetrachloroethane	U		0.390	2.50	25	06/01/2024 07:15	WG2296518

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/16/2024

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.675	2.50	25	06/01/2024 07:15	WG2296518
Tetrachloroethene	U		0.700	2.50	25	06/01/2024 07:15	WG2296518
Toluene	U		1.25	5.00	25	06/01/2024 07:15	WG2296518
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.625	12.5	25	06/01/2024 07:15	WG2296518
1,2,4-Trichlorobenzene	U	UJ C3 J4	4.83	12.5	25	06/01/2024 07:15	WG2296518
1,1,1-Trichloroethane	U		0.275	2.50	25	06/01/2024 07:15	WG2296518
1,1,2-Trichloroethane	U		0.883	2.50	25	06/01/2024 07:15	WG2296518
Trichloroethene	U		0.400	1.00	25	06/01/2024 07:15	WG2296518
Trichlorofluoromethane	U		0.500	2.50	25	06/01/2024 07:15	WG2296518
1,2,3-Trichloropropane	U		5.10	12.5	25	06/01/2024 07:15	WG2296518
1,2,4-Trimethylbenzene	U		1.16	5.00	25	06/01/2024 07:15	WG2296518
1,2,3-Trimethylbenzene	U		1.15	5.00	25	06/01/2024 07:15	WG2296518
1,3,5-Trimethylbenzene	U		1.08	5.00	25	06/01/2024 07:15	WG2296518
Vinyl acetate	U		3.53	12.5	25	06/01/2024 07:15	WG2296518
Vinyl chloride	47.3		0.682	2.50	25	06/01/2024 07:15	WG2296518
Xylenes, Total	U		4.78	6.50	25	06/01/2024 07:15	WG2296518
(S) Toluene-d8	103			75.0-131		06/01/2024 07:15	WG2296518
(S) 4-Bromofluorobenzene	96.5			67.0-138		06/01/2024 07:15	WG2296518
(S) 1,2-Dichloroethane-d4	104			70.0-130		06/01/2024 07:15	WG2296518

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.38	U	0.548	1.00	1	06/01/2024 03:27	WG2296518
Acrylonitrile	U		0.0760	0.500	1	06/01/2024 03:27	WG2296518
Benzene	U		0.0160	0.0400	1	06/01/2024 03:27	WG2296518
Bromobenzene	U		0.0420	0.500	1	06/01/2024 03:27	WG2296518
Bromochloromethane	U		0.0452	0.200	1	06/01/2024 03:27	WG2296518
Bromodichloromethane	U		0.0315	0.100	1	06/01/2024 03:27	WG2296518
Bromoform	U		0.239	1.00	1	06/01/2024 03:27	WG2296518
Bromomethane	U		0.148	0.500	1	06/01/2024 03:27	WG2296518
n-Butylbenzene	U		0.153	0.500	1	06/01/2024 03:27	WG2296518
sec-Butylbenzene	U		0.101	0.500	1	06/01/2024 03:27	WG2296518
tert-Butylbenzene	U		0.0620	0.200	1	06/01/2024 03:27	WG2296518
Carbon disulfide	U		0.162	0.500	1	06/01/2024 03:27	WG2296518
Carbon tetrachloride	U		0.0432	0.200	1	06/01/2024 03:27	WG2296518
Chlorobenzene	U		0.0229	0.100	1	06/01/2024 03:27	WG2296518
Chlorodibromomethane	U		0.0180	0.100	1	06/01/2024 03:27	WG2296518
Chloroethane	U		0.0432	0.200	1	06/01/2024 03:27	WG2296518
Chloroform	U		0.0166	0.100	1	06/01/2024 03:27	WG2296518
Chloromethane	U		0.0556	0.500	1	06/01/2024 03:27	WG2296518
2-Chlorotoluene	U		0.0368	0.100	1	06/01/2024 03:27	WG2296518
4-Chlorotoluene	U		0.0452	0.200	1	06/01/2024 03:27	WG2296518
1,2-Dibromo-3-Chloropropane	U	UJ	0.204	1.00	1	06/01/2024 03:27	WG2296518
1,2-Dibromoethane	U		0.0210	0.100	1	06/01/2024 03:27	WG2296518
Dibromomethane	U		0.0400	0.200	1	06/01/2024 03:27	WG2296518
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/01/2024 03:27	WG2296518
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/01/2024 03:27	WG2296518
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/01/2024 03:27	WG2296518
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/01/2024 03:27	WG2296518
Dichlorodifluoromethane	U		0.0327	0.200	1	06/01/2024 03:27	WG2296518
1,1-Dichloroethane	U		0.0230	0.100	1	06/01/2024 03:27	WG2296518
1,2-Dichloroethane	U		0.0190	0.100	1	06/01/2024 03:27	WG2296518
1,1-Dichloroethene	0.172		0.0200	0.100	1	06/01/2024 03:27	WG2296518
cis-1,2-Dichloroethene	79.5		0.0276	0.100	1	06/01/2024 03:27	WG2296518
trans-1,2-Dichloroethene	0.105	J	0.0572	0.200	1	06/01/2024 03:27	WG2296518
1,2-Dichloropropane	U		0.0508	0.200	1	06/01/2024 03:27	WG2296518
1,1-Dichloropropene	U		0.0280	0.100	1	06/01/2024 03:27	WG2296518
1,3-Dichloropropane	U		0.0700	0.200	1	06/01/2024 03:27	WG2296518
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/01/2024 03:27	WG2296518
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/01/2024 03:27	WG2296518
2,2-Dichloropropane	U		0.0317	0.100	1	06/01/2024 03:27	WG2296518
Di-isopropyl ether	U		0.0140	0.0400	1	06/01/2024 03:27	WG2296518
Ethylbenzene	U		0.0212	0.100	1	06/01/2024 03:27	WG2296518
Hexachloro-1,3-butadiene	U	UJ	0.508	1.00	1	06/01/2024 03:27	WG2296518
2-Hexanone	U		0.400	1.00	1	06/01/2024 03:27	WG2296518
n-Hexane	U		0.0424	0.200	1	06/01/2024 03:27	WG2296518
Iodomethane	U		0.242	0.500	1	06/01/2024 03:27	WG2296518
Isopropylbenzene	U		0.0345	0.100	1	06/01/2024 03:27	WG2296518
p-Isopropyltoluene	U		0.0932	0.200	1	06/01/2024 03:27	WG2296518
2-Butanone (MEK)	U		0.500	1.00	1	06/01/2024 03:27	WG2296518
Methylene Chloride	U		0.265	1.00	1	06/01/2024 03:27	WG2296518
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/01/2024 03:27	WG2296518
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/01/2024 03:27	WG2296518
Naphthalene	U	UJ	0.124	0.500	1	06/01/2024 03:27	WG2296518
n-Propylbenzene	U		0.0472	0.200	1	06/01/2024 03:27	WG2296518
Styrene	U		0.109	0.500	1	06/01/2024 03:27	WG2296518
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/01/2024 03:27	WG2296518
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/01/2024 03:27	WG2296518

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/16/2024

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/01/2024 03:27	WG2296518
Tetrachloroethene	U		0.0280	0.100	1	06/01/2024 03:27	WG2296518
Toluene	0.0510	<u>J</u>	0.0500	0.200	1	06/01/2024 03:27	WG2296518
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	06/01/2024 03:27	WG2296518
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	06/01/2024 03:27	WG2296518
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/01/2024 03:27	WG2296518
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/01/2024 03:27	WG2296518
Trichloroethene	U		0.0160	0.0400	1	06/01/2024 03:27	WG2296518
Trichlorofluoromethane	U		0.0200	0.100	1	06/01/2024 03:27	WG2296518
1,2,3-Trichloropropane	U		0.204	0.500	1	06/01/2024 03:27	WG2296518
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/01/2024 03:27	WG2296518
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/01/2024 03:27	WG2296518
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/01/2024 03:27	WG2296518
Vinyl acetate	U		0.141	0.500	1	06/01/2024 03:27	WG2296518
Vinyl chloride	58.5		0.0273	0.100	1	06/01/2024 03:27	WG2296518
Xylenes, Total	U		0.191	0.260	1	06/01/2024 03:27	WG2296518
(S) Toluene-d8	102			75.0-131		06/01/2024 03:27	WG2296518
(S) 4-Bromofluorobenzene	97.8			67.0-138		06/01/2024 03:27	WG2296518
(S) 1,2-Dichloroethane-d4	102			70.0-130		06/01/2024 03:27	WG2296518

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/16/2024

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/01/2024 03:46	WG2296518
Acrylonitrile	U		0.0760	0.500	1	06/01/2024 03:46	WG2296518
Benzene	U		0.0160	0.0400	1	06/01/2024 03:46	WG2296518
Bromobenzene	U		0.0420	0.500	1	06/01/2024 03:46	WG2296518
Bromochloromethane	U		0.0452	0.200	1	06/01/2024 03:46	WG2296518
Bromodichloromethane	U		0.0315	0.100	1	06/01/2024 03:46	WG2296518
Bromoform	U		0.239	1.00	1	06/01/2024 03:46	WG2296518
Bromomethane	U		0.148	0.500	1	06/01/2024 03:46	WG2296518
n-Butylbenzene	U		0.153	0.500	1	06/01/2024 03:46	WG2296518
sec-Butylbenzene	U		0.101	0.500	1	06/01/2024 03:46	WG2296518
tert-Butylbenzene	U		0.0620	0.200	1	06/01/2024 03:46	WG2296518
Carbon disulfide	U		0.162	0.500	1	06/01/2024 03:46	WG2296518
Carbon tetrachloride	U		0.0432	0.200	1	06/01/2024 03:46	WG2296518
Chlorobenzene	U		0.0229	0.100	1	06/01/2024 03:46	WG2296518
Chlorodibromomethane	U		0.0180	0.100	1	06/01/2024 03:46	WG2296518
Chloroethane	U		0.0432	0.200	1	06/01/2024 03:46	WG2296518
Chloroform	U		0.0166	0.100	1	06/01/2024 03:46	WG2296518
Chloromethane	U		0.0556	0.500	1	06/01/2024 03:46	WG2296518
2-Chlorotoluene	U		0.0368	0.100	1	06/01/2024 03:46	WG2296518
4-Chlorotoluene	U		0.0452	0.200	1	06/01/2024 03:46	WG2296518
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/01/2024 03:46	WG2296518
1,2-Dibromoethane	U		0.0210	0.100	1	06/01/2024 03:46	WG2296518
Dibromomethane	U		0.0400	0.200	1	06/01/2024 03:46	WG2296518
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/01/2024 03:46	WG2296518
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/01/2024 03:46	WG2296518
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/01/2024 03:46	WG2296518
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/01/2024 03:46	WG2296518
Dichlorodifluoromethane	U		0.0327	0.200	1	06/01/2024 03:46	WG2296518
1,1-Dichloroethane	U		0.0230	0.100	1	06/01/2024 03:46	WG2296518
1,2-Dichloroethane	U		0.0190	0.100	1	06/01/2024 03:46	WG2296518
1,1-Dichloroethene	U		0.0200	0.100	1	06/01/2024 03:46	WG2296518
cis-1,2-Dichloroethene	1.45		0.0276	0.100	1	06/01/2024 03:46	WG2296518
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/01/2024 03:46	WG2296518
1,2-Dichloropropane	U		0.0508	0.200	1	06/01/2024 03:46	WG2296518
1,1-Dichloropropene	U		0.0280	0.100	1	06/01/2024 03:46	WG2296518
1,3-Dichloropropane	U		0.0700	0.200	1	06/01/2024 03:46	WG2296518
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/01/2024 03:46	WG2296518
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/01/2024 03:46	WG2296518
2,2-Dichloropropane	U		0.0317	0.100	1	06/01/2024 03:46	WG2296518
Di-isopropyl ether	U		0.0140	0.0400	1	06/01/2024 03:46	WG2296518
Ethylbenzene	U		0.0212	0.100	1	06/01/2024 03:46	WG2296518
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	06/01/2024 03:46	WG2296518
2-Hexanone	U		0.400	1.00	1	06/01/2024 03:46	WG2296518
n-Hexane	U		0.0424	0.200	1	06/01/2024 03:46	WG2296518
Iodomethane	U		0.242	0.500	1	06/01/2024 03:46	WG2296518
Isopropylbenzene	U		0.0345	0.100	1	06/01/2024 03:46	WG2296518
p-Isopropyltoluene	U		0.0932	0.200	1	06/01/2024 03:46	WG2296518
2-Butanone (MEK)	U		0.500	1.00	1	06/01/2024 03:46	WG2296518
Methylene Chloride	U		0.265	1.00	1	06/01/2024 03:46	WG2296518
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/01/2024 03:46	WG2296518
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/01/2024 03:46	WG2296518
Naphthalene	U	UJ C3 J4	0.124	0.500	1	06/01/2024 03:46	WG2296518
n-Propylbenzene	U		0.0472	0.200	1	06/01/2024 03:46	WG2296518
Styrene	U		0.109	0.500	1	06/01/2024 03:46	WG2296518
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/01/2024 03:46	WG2296518
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/01/2024 03:46	WG2296518

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/16/2024

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/01/2024 03:46	WG2296518
Tetrachloroethene	U		0.0280	0.100	1	06/01/2024 03:46	WG2296518
Toluene	0.138	<u>J</u>	0.0500	0.200	1	06/01/2024 03:46	WG2296518
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	06/01/2024 03:46	WG2296518
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	06/01/2024 03:46	WG2296518
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/01/2024 03:46	WG2296518
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/01/2024 03:46	WG2296518
Trichloroethene	U		0.0160	0.0400	1	06/01/2024 03:46	WG2296518
Trichlorofluoromethane	U		0.0200	0.100	1	06/01/2024 03:46	WG2296518
1,2,3-Trichloropropane	U		0.204	0.500	1	06/01/2024 03:46	WG2296518
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/01/2024 03:46	WG2296518
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/01/2024 03:46	WG2296518
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/01/2024 03:46	WG2296518
Vinyl acetate	U		0.141	0.500	1	06/01/2024 03:46	WG2296518
Vinyl chloride	4.50		0.0273	0.100	1	06/01/2024 03:46	WG2296518
Xylenes, Total	U		0.191	0.260	1	06/01/2024 03:46	WG2296518
(S) Toluene-d8	100			75.0-131		06/01/2024 03:46	WG2296518
(S) 4-Bromofluorobenzene	98.2			67.0-138		06/01/2024 03:46	WG2296518
(S) 1,2-Dichloroethane-d4	102			70.0-130		06/01/2024 03:46	WG2296518

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	0.576	U	0.548	1.00	1	06/01/2024 04:05	WG2296518
Acrylonitrile	U		0.0760	0.500	1	06/01/2024 04:05	WG2296518
Benzene	19.8		0.0160	0.0400	1	06/01/2024 04:05	WG2296518
Bromobenzene	U		0.0420	0.500	1	06/01/2024 04:05	WG2296518
Bromochloromethane	U		0.0452	0.200	1	06/01/2024 04:05	WG2296518
Bromodichloromethane	U		0.0315	0.100	1	06/01/2024 04:05	WG2296518
Bromoform	U		0.239	1.00	1	06/01/2024 04:05	WG2296518
Bromomethane	U		0.148	0.500	1	06/01/2024 04:05	WG2296518
n-Butylbenzene	U		0.153	0.500	1	06/01/2024 04:05	WG2296518
sec-Butylbenzene	U		0.101	0.500	1	06/01/2024 04:05	WG2296518
tert-Butylbenzene	U		0.0620	0.200	1	06/01/2024 04:05	WG2296518
Carbon disulfide	U		0.162	0.500	1	06/01/2024 04:05	WG2296518
Carbon tetrachloride	U		0.0432	0.200	1	06/01/2024 04:05	WG2296518
Chlorobenzene	U		0.0229	0.100	1	06/01/2024 04:05	WG2296518
Chlorodibromomethane	U		0.0180	0.100	1	06/01/2024 04:05	WG2296518
Chloroethane	U		0.0432	0.200	1	06/01/2024 04:05	WG2296518
Chloroform	U		0.0166	0.100	1	06/01/2024 04:05	WG2296518
Chloromethane	U		0.0556	0.500	1	06/01/2024 04:05	WG2296518
2-Chlorotoluene	U		0.0368	0.100	1	06/01/2024 04:05	WG2296518
4-Chlorotoluene	U		0.0452	0.200	1	06/01/2024 04:05	WG2296518
1,2-Dibromo-3-Chloropropane	U	UJ	0.204	1.00	1	06/01/2024 04:05	WG2296518
1,2-Dibromoethane	U		0.0210	0.100	1	06/01/2024 04:05	WG2296518
Dibromomethane	U		0.0400	0.200	1	06/01/2024 04:05	WG2296518
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/01/2024 04:05	WG2296518
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/01/2024 04:05	WG2296518
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/01/2024 04:05	WG2296518
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/01/2024 04:05	WG2296518
Dichlorodifluoromethane	U		0.0327	0.200	1	06/01/2024 04:05	WG2296518
1,1-Dichloroethane	0.0630	J	0.0230	0.100	1	06/01/2024 04:05	WG2296518
1,2-Dichloroethane	U		0.0190	0.100	1	06/01/2024 04:05	WG2296518
1,1-Dichloroethene	0.0510	J	0.0200	0.100	1	06/01/2024 04:05	WG2296518
cis-1,2-Dichloroethene	17.7		0.0276	0.100	1	06/01/2024 04:05	WG2296518
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/01/2024 04:05	WG2296518
1,2-Dichloropropane	U		0.0508	0.200	1	06/01/2024 04:05	WG2296518
1,1-Dichloropropene	U		0.0280	0.100	1	06/01/2024 04:05	WG2296518
1,3-Dichloropropane	U		0.0700	0.200	1	06/01/2024 04:05	WG2296518
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/01/2024 04:05	WG2296518
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/01/2024 04:05	WG2296518
2,2-Dichloropropane	U		0.0317	0.100	1	06/01/2024 04:05	WG2296518
Di-isopropyl ether	0.447	J+	0.0140	0.0400	1	06/01/2024 04:05	WG2296518
Ethylbenzene	U		0.0212	0.100	1	06/01/2024 04:05	WG2296518
Hexachloro-1,3-butadiene	U	UJ	0.508	1.00	1	06/01/2024 04:05	WG2296518
2-Hexanone	U		0.400	1.00	1	06/01/2024 04:05	WG2296518
n-Hexane	U		0.0424	0.200	1	06/01/2024 04:05	WG2296518
Iodomethane	U		0.242	0.500	1	06/01/2024 04:05	WG2296518
Isopropylbenzene	U		0.0345	0.100	1	06/01/2024 04:05	WG2296518
p-Isopropyltoluene	U		0.0932	0.200	1	06/01/2024 04:05	WG2296518
2-Butanone (MEK)	U		0.500	1.00	1	06/01/2024 04:05	WG2296518
Methylene Chloride	U		0.265	1.00	1	06/01/2024 04:05	WG2296518
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/01/2024 04:05	WG2296518
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/01/2024 04:05	WG2296518
Naphthalene	U	UJ	0.124	0.500	1	06/01/2024 04:05	WG2296518
n-Propylbenzene	U		0.0472	0.200	1	06/01/2024 04:05	WG2296518
Styrene	U		0.109	0.500	1	06/01/2024 04:05	WG2296518
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/01/2024 04:05	WG2296518
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/01/2024 04:05	WG2296518

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/16/2024

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/01/2024 04:05	WG2296518
Tetrachloroethene	U		0.0280	0.100	1	06/01/2024 04:05	WG2296518
Toluene	U		0.0500	0.200	1	06/01/2024 04:05	WG2296518
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	06/01/2024 04:05	WG2296518
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	06/01/2024 04:05	WG2296518
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/01/2024 04:05	WG2296518
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/01/2024 04:05	WG2296518
Trichloroethene	U		0.0160	0.0400	1	06/01/2024 04:05	WG2296518
Trichlorofluoromethane	U		0.0200	0.100	1	06/01/2024 04:05	WG2296518
1,2,3-Trichloropropane	U		0.204	0.500	1	06/01/2024 04:05	WG2296518
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/01/2024 04:05	WG2296518
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/01/2024 04:05	WG2296518
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/01/2024 04:05	WG2296518
Vinyl acetate	U		0.141	0.500	1	06/01/2024 04:05	WG2296518
Vinyl chloride	44.8		0.0273	0.100	1	06/01/2024 04:05	WG2296518
Xylenes, Total	U		0.191	0.260	1	06/01/2024 04:05	WG2296518
(S) Toluene-d8	105			75.0-131		06/01/2024 04:05	WG2296518
(S) 4-Bromofluorobenzene	98.9			67.0-138		06/01/2024 04:05	WG2296518
(S) 1,2-Dichloroethane-d4	101			70.0-130		06/01/2024 04:05	WG2296518

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U		0.548	1.00	1	06/01/2024 04:24	WG2296518	
Acrylonitrile	U		0.0760	0.500	1	06/01/2024 04:24	WG2296518	
Benzene	1.40		0.0160	0.0400	1	06/01/2024 04:24	WG2296518	
Bromobenzene	U		0.0420	0.500	1	06/01/2024 04:24	WG2296518	
Bromochloromethane	U		0.0452	0.200	1	06/01/2024 04:24	WG2296518	
Bromodichloromethane	U		0.0315	0.100	1	06/01/2024 04:24	WG2296518	
Bromoform	U		0.239	1.00	1	06/01/2024 04:24	WG2296518	
Bromomethane	U		0.148	0.500	1	06/01/2024 04:24	WG2296518	
n-Butylbenzene	U		0.153	0.500	1	06/01/2024 04:24	WG2296518	
sec-Butylbenzene	U		0.101	0.500	1	06/01/2024 04:24	WG2296518	
tert-Butylbenzene	U		0.0620	0.200	1	06/01/2024 04:24	WG2296518	
Carbon disulfide	U		0.162	0.500	1	06/01/2024 04:24	WG2296518	
Carbon tetrachloride	U		0.0432	0.200	1	06/01/2024 04:24	WG2296518	
Chlorobenzene	U		0.0229	0.100	1	06/01/2024 04:24	WG2296518	
Chlorodibromomethane	U		0.0180	0.100	1	06/01/2024 04:24	WG2296518	
Chloroethane	U		0.0432	0.200	1	06/01/2024 04:24	WG2296518	
Chloroform	U		0.0166	0.100	1	06/01/2024 04:24	WG2296518	
Chloromethane	U		0.0556	0.500	1	06/01/2024 04:24	WG2296518	
2-Chlorotoluene	U		0.0368	0.100	1	06/01/2024 04:24	WG2296518	
4-Chlorotoluene	U		0.0452	0.200	1	06/01/2024 04:24	WG2296518	
1,2-Dibromo-3-Chloropropane	U	UJ	C3	0.204	1.00	1	06/01/2024 04:24	WG2296518
1,2-Dibromoethane	U		0.0210	0.100	1	06/01/2024 04:24	WG2296518	
Dibromomethane	U		0.0400	0.200	1	06/01/2024 04:24	WG2296518	
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/01/2024 04:24	WG2296518	
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/01/2024 04:24	WG2296518	
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/01/2024 04:24	WG2296518	
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/01/2024 04:24	WG2296518	
Dichlorodifluoromethane	U		0.0327	0.200	1	06/01/2024 04:24	WG2296518	
1,1-Dichloroethane	U		0.0230	0.100	1	06/01/2024 04:24	WG2296518	
1,2-Dichloroethane	U		0.0190	0.100	1	06/01/2024 04:24	WG2296518	
1,1-Dichloroethene	U		0.0200	0.100	1	06/01/2024 04:24	WG2296518	
cis-1,2-Dichloroethene	0.152		0.0276	0.100	1	06/01/2024 04:24	WG2296518	
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/01/2024 04:24	WG2296518	
1,2-Dichloropropane	U		0.0508	0.200	1	06/01/2024 04:24	WG2296518	
1,1-Dichloropropene	U		0.0280	0.100	1	06/01/2024 04:24	WG2296518	
1,3-Dichloropropane	U		0.0700	0.200	1	06/01/2024 04:24	WG2296518	
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/01/2024 04:24	WG2296518	
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/01/2024 04:24	WG2296518	
2,2-Dichloropropane	U		0.0317	0.100	1	06/01/2024 04:24	WG2296518	
Di-isopropyl ether	0.0360		J	0.0140	0.0400	1	06/01/2024 04:24	WG2296518
Ethylbenzene	U		0.0212	0.100	1	06/01/2024 04:24	WG2296518	
Hexachloro-1,3-butadiene	U	UJ	C3	0.508	1.00	1	06/01/2024 04:24	WG2296518
2-Hexanone	U		0.400	1.00	1	06/01/2024 04:24	WG2296518	
n-Hexane	U		0.0424	0.200	1	06/01/2024 04:24	WG2296518	
Iodomethane	U		0.242	0.500	1	06/01/2024 04:24	WG2296518	
Isopropylbenzene	U		0.0345	0.100	1	06/01/2024 04:24	WG2296518	
p-Isopropyltoluene	U		0.0932	0.200	1	06/01/2024 04:24	WG2296518	
2-Butanone (MEK)	U		0.500	1.00	1	06/01/2024 04:24	WG2296518	
Methylene Chloride	U		0.265	1.00	1	06/01/2024 04:24	WG2296518	
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/01/2024 04:24	WG2296518	
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/01/2024 04:24	WG2296518	
Naphthalene	U	UJ	C3 J4	0.124	0.500	1	06/01/2024 04:24	WG2296518
n-Propylbenzene	U		0.0472	0.200	1	06/01/2024 04:24	WG2296518	
Styrene	U		0.109	0.500	1	06/01/2024 04:24	WG2296518	
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/01/2024 04:24	WG2296518	
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/01/2024 04:24	WG2296518	

JC 7/16/2024

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

JC 7/16/2024

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/01/2024 04:24	WG2296518
Tetrachloroethene	U		0.0280	0.100	1	06/01/2024 04:24	WG2296518
Toluene	U		0.0500	0.200	1	06/01/2024 04:24	WG2296518
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	06/01/2024 04:24	WG2296518
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	06/01/2024 04:24	WG2296518
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/01/2024 04:24	WG2296518
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/01/2024 04:24	WG2296518
Trichloroethene	U		0.0160	0.0400	1	06/01/2024 04:24	WG2296518
Trichlorofluoromethane	U		0.0200	0.100	1	06/01/2024 04:24	WG2296518
1,2,3-Trichloropropane	U		0.204	0.500	1	06/01/2024 04:24	WG2296518
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/01/2024 04:24	WG2296518
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/01/2024 04:24	WG2296518
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/01/2024 04:24	WG2296518
Vinyl acetate	U		0.141	0.500	1	06/01/2024 04:24	WG2296518
Vinyl chloride	0.661		0.0273	0.100	1	06/01/2024 04:24	WG2296518
Xylenes, Total	U		0.191	0.260	1	06/01/2024 04:24	WG2296518
(S) Toluene-d8	102			75.0-131		06/01/2024 04:24	WG2296518
(S) 4-Bromofluorobenzene	98.6			67.0-138		06/01/2024 04:24	WG2296518
(S) 1,2-Dichloroethane-d4	105			70.0-130		06/01/2024 04:24	WG2296518

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/16/2024

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	0.887	U	0.548	1.00	1	06/01/2024 04:43	WG2296518
Acrylonitrile	U		0.0760	0.500	1	06/01/2024 04:43	WG2296518
Benzene	U		0.0160	0.0400	1	06/01/2024 04:43	WG2296518
Bromobenzene	U		0.0420	0.500	1	06/01/2024 04:43	WG2296518
Bromochloromethane	U		0.0452	0.200	1	06/01/2024 04:43	WG2296518
Bromodichloromethane	U		0.0315	0.100	1	06/01/2024 04:43	WG2296518
Bromoform	U		0.239	1.00	1	06/01/2024 04:43	WG2296518
Bromomethane	U		0.148	0.500	1	06/01/2024 04:43	WG2296518
n-Butylbenzene	U		0.153	0.500	1	06/01/2024 04:43	WG2296518
sec-Butylbenzene	U		0.101	0.500	1	06/01/2024 04:43	WG2296518
tert-Butylbenzene	U		0.0620	0.200	1	06/01/2024 04:43	WG2296518
Carbon disulfide	U		0.162	0.500	1	06/01/2024 04:43	WG2296518
Carbon tetrachloride	U		0.0432	0.200	1	06/01/2024 04:43	WG2296518
Chlorobenzene	U		0.0229	0.100	1	06/01/2024 04:43	WG2296518
Chlorodibromomethane	U		0.0180	0.100	1	06/01/2024 04:43	WG2296518
Chloroethane	U		0.0432	0.200	1	06/01/2024 04:43	WG2296518
Chloroform	U		0.0166	0.100	1	06/01/2024 04:43	WG2296518
Chloromethane	U		0.0556	0.500	1	06/01/2024 04:43	WG2296518
2-Chlorotoluene	U		0.0368	0.100	1	06/01/2024 04:43	WG2296518
4-Chlorotoluene	U		0.0452	0.200	1	06/01/2024 04:43	WG2296518
1,2-Dibromo-3-Chloropropane	U	UJ	0.204	1.00	1	06/01/2024 04:43	WG2296518
1,2-Dibromoethane	U		0.0210	0.100	1	06/01/2024 04:43	WG2296518
Dibromomethane	U		0.0400	0.200	1	06/01/2024 04:43	WG2296518
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/01/2024 04:43	WG2296518
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/01/2024 04:43	WG2296518
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/01/2024 04:43	WG2296518
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/01/2024 04:43	WG2296518
Dichlorodifluoromethane	U		0.0327	0.200	1	06/01/2024 04:43	WG2296518
1,1-Dichloroethane	U		0.0230	0.100	1	06/01/2024 04:43	WG2296518
1,2-Dichloroethane	U		0.0190	0.100	1	06/01/2024 04:43	WG2296518
1,1-Dichloroethene	U		0.0200	0.100	1	06/01/2024 04:43	WG2296518
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/01/2024 04:43	WG2296518
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/01/2024 04:43	WG2296518
1,2-Dichloropropane	U		0.0508	0.200	1	06/01/2024 04:43	WG2296518
1,1-Dichloropropene	U		0.0280	0.100	1	06/01/2024 04:43	WG2296518
1,3-Dichloropropane	U		0.0700	0.200	1	06/01/2024 04:43	WG2296518
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/01/2024 04:43	WG2296518
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/01/2024 04:43	WG2296518
2,2-Dichloropropane	U		0.0317	0.100	1	06/01/2024 04:43	WG2296518
Di-isopropyl ether	U		0.0140	0.0400	1	06/01/2024 04:43	WG2296518
Ethylbenzene	U		0.0212	0.100	1	06/01/2024 04:43	WG2296518
Hexachloro-1,3-butadiene	U	UJ	0.508	1.00	1	06/01/2024 04:43	WG2296518
2-Hexanone	U		0.400	1.00	1	06/01/2024 04:43	WG2296518
n-Hexane	U		0.0424	0.200	1	06/01/2024 04:43	WG2296518
Iodomethane	U		0.242	0.500	1	06/01/2024 04:43	WG2296518
Isopropylbenzene	U		0.0345	0.100	1	06/01/2024 04:43	WG2296518
p-Isopropyltoluene	U		0.0932	0.200	1	06/01/2024 04:43	WG2296518
2-Butanone (MEK)	U		0.500	1.00	1	06/01/2024 04:43	WG2296518
Methylene Chloride	U		0.265	1.00	1	06/01/2024 04:43	WG2296518
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/01/2024 04:43	WG2296518
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/01/2024 04:43	WG2296518
Naphthalene	U	UJ	0.124	0.500	1	06/01/2024 04:43	WG2296518
n-Propylbenzene	U		0.0472	0.200	1	06/01/2024 04:43	WG2296518
Styrene	U		0.109	0.500	1	06/01/2024 04:43	WG2296518
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/01/2024 04:43	WG2296518
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/01/2024 04:43	WG2296518

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/16/2024

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/01/2024 04:43	WG2296518
Tetrachloroethene	U		0.0280	0.100	1	06/01/2024 04:43	WG2296518
Toluene	U		0.0500	0.200	1	06/01/2024 04:43	WG2296518
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	06/01/2024 04:43	WG2296518
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	06/01/2024 04:43	WG2296518
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/01/2024 04:43	WG2296518
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/01/2024 04:43	WG2296518
Trichloroethene	U		0.0160	0.0400	1	06/01/2024 04:43	WG2296518
Trichlorofluoromethane	U		0.0200	0.100	1	06/01/2024 04:43	WG2296518
1,2,3-Trichloropropane	U		0.204	0.500	1	06/01/2024 04:43	WG2296518
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/01/2024 04:43	WG2296518
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/01/2024 04:43	WG2296518
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/01/2024 04:43	WG2296518
Vinyl acetate	U		0.141	0.500	1	06/01/2024 04:43	WG2296518
Vinyl chloride	U		0.0273	0.100	1	06/01/2024 04:43	WG2296518
Xylenes, Total	U		0.191	0.260	1	06/01/2024 04:43	WG2296518
(S) Toluene-d8	101			75.0-131		06/01/2024 04:43	WG2296518
(S) 4-Bromofluorobenzene	96.7			67.0-138		06/01/2024 04:43	WG2296518
(S) 1,2-Dichloroethane-d4	107			70.0-130		06/01/2024 04:43	WG2296518

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/16/2024

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/01/2024 05:02	WG2296518
Acrylonitrile	U		0.0760	0.500	1	06/01/2024 05:02	WG2296518
Benzene	U		0.0160	0.0400	1	06/01/2024 05:02	WG2296518
Bromobenzene	U		0.0420	0.500	1	06/01/2024 05:02	WG2296518
Bromochloromethane	U		0.0452	0.200	1	06/01/2024 05:02	WG2296518
Bromodichloromethane	U		0.0315	0.100	1	06/01/2024 05:02	WG2296518
Bromoform	U		0.239	1.00	1	06/01/2024 05:02	WG2296518
Bromomethane	U		0.148	0.500	1	06/01/2024 05:02	WG2296518
n-Butylbenzene	U		0.153	0.500	1	06/01/2024 05:02	WG2296518
sec-Butylbenzene	U		0.101	0.500	1	06/01/2024 05:02	WG2296518
tert-Butylbenzene	U		0.0620	0.200	1	06/01/2024 05:02	WG2296518
Carbon disulfide	U		0.162	0.500	1	06/01/2024 05:02	WG2296518
Carbon tetrachloride	U		0.0432	0.200	1	06/01/2024 05:02	WG2296518
Chlorobenzene	U		0.0229	0.100	1	06/01/2024 05:02	WG2296518
Chlorodibromomethane	U		0.0180	0.100	1	06/01/2024 05:02	WG2296518
Chloroethane	U		0.0432	0.200	1	06/01/2024 05:02	WG2296518
Chloroform	U		0.0166	0.100	1	06/01/2024 05:02	WG2296518
Chloromethane	U		0.0556	0.500	1	06/01/2024 05:02	WG2296518
2-Chlorotoluene	U		0.0368	0.100	1	06/01/2024 05:02	WG2296518
4-Chlorotoluene	U		0.0452	0.200	1	06/01/2024 05:02	WG2296518
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/01/2024 05:02	WG2296518
1,2-Dibromoethane	U		0.0210	0.100	1	06/01/2024 05:02	WG2296518
Dibromomethane	U		0.0400	0.200	1	06/01/2024 05:02	WG2296518
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/01/2024 05:02	WG2296518
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/01/2024 05:02	WG2296518
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/01/2024 05:02	WG2296518
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/01/2024 05:02	WG2296518
Dichlorodifluoromethane	U		0.0327	0.200	1	06/01/2024 05:02	WG2296518
1,1-Dichloroethane	U		0.0230	0.100	1	06/01/2024 05:02	WG2296518
1,2-Dichloroethane	U		0.0190	0.100	1	06/01/2024 05:02	WG2296518
1,1-Dichloroethene	U		0.0200	0.100	1	06/01/2024 05:02	WG2296518
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/01/2024 05:02	WG2296518
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/01/2024 05:02	WG2296518
1,2-Dichloropropane	U		0.0508	0.200	1	06/01/2024 05:02	WG2296518
1,1-Dichloropropene	U		0.0280	0.100	1	06/01/2024 05:02	WG2296518
1,3-Dichloropropane	U		0.0700	0.200	1	06/01/2024 05:02	WG2296518
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/01/2024 05:02	WG2296518
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/01/2024 05:02	WG2296518
2,2-Dichloropropane	U		0.0317	0.100	1	06/01/2024 05:02	WG2296518
Di-isopropyl ether	0.0620	J+ C5	0.0140	0.0400	1	06/01/2024 05:02	WG2296518
Ethylbenzene	U		0.0212	0.100	1	06/01/2024 05:02	WG2296518
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	06/01/2024 05:02	WG2296518
2-Hexanone	U		0.400	1.00	1	06/01/2024 05:02	WG2296518
n-Hexane	U		0.0424	0.200	1	06/01/2024 05:02	WG2296518
Iodomethane	U		0.242	0.500	1	06/01/2024 05:02	WG2296518
Isopropylbenzene	U		0.0345	0.100	1	06/01/2024 05:02	WG2296518
p-Isopropyltoluene	U		0.0932	0.200	1	06/01/2024 05:02	WG2296518
2-Butanone (MEK)	U		0.500	1.00	1	06/01/2024 05:02	WG2296518
Methylene Chloride	U		0.265	1.00	1	06/01/2024 05:02	WG2296518
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/01/2024 05:02	WG2296518
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/01/2024 05:02	WG2296518
Naphthalene	U	UJ C3 J4	0.124	0.500	1	06/01/2024 05:02	WG2296518
n-Propylbenzene	U		0.0472	0.200	1	06/01/2024 05:02	WG2296518
Styrene	U		0.109	0.500	1	06/01/2024 05:02	WG2296518
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/01/2024 05:02	WG2296518
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/01/2024 05:02	WG2296518

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/16/2024

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/01/2024 05:02	WG2296518
Tetrachloroethene	U		0.0280	0.100	1	06/01/2024 05:02	WG2296518
Toluene	U		0.0500	0.200	1	06/01/2024 05:02	WG2296518
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	06/01/2024 05:02	WG2296518
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	06/01/2024 05:02	WG2296518
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/01/2024 05:02	WG2296518
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/01/2024 05:02	WG2296518
Trichloroethene	U		0.0160	0.0400	1	06/01/2024 05:02	WG2296518
Trichlorofluoromethane	U		0.0200	0.100	1	06/01/2024 05:02	WG2296518
1,2,3-Trichloropropane	U		0.204	0.500	1	06/01/2024 05:02	WG2296518
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/01/2024 05:02	WG2296518
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/01/2024 05:02	WG2296518
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/01/2024 05:02	WG2296518
Vinyl acetate	U		0.141	0.500	1	06/01/2024 05:02	WG2296518
Vinyl chloride	U		0.0273	0.100	1	06/01/2024 05:02	WG2296518
Xylenes, Total	U		0.191	0.260	1	06/01/2024 05:02	WG2296518
(S) Toluene-d8	102			75.0-131		06/01/2024 05:02	WG2296518
(S) 4-Bromofluorobenzene	99.5			67.0-138		06/01/2024 05:02	WG2296518
(S) 1,2-Dichloroethane-d4	99.7			70.0-130		06/01/2024 05:02	WG2296518

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	1460	J	594	5000	1	06/15/2024 12:28	WG2304407

1Cp

2Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	796	J	102	1000	1	06/13/2024 13:12	WG2303844

3Ss

4Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	6080		28.1	100	1	07/11/2024 00:49	WG2297670
Manganese	706		0.704	5.00	1	07/11/2024 00:49	WG2297670

5Sr

6Qc

7Gl

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	24900		2.87	6.78	10	06/02/2024 16:51	WG2297153
Ethane	481		0.296	1.29	1	06/02/2024 15:54	WG2296667
Ethene	856		0.422	1.27	1	06/02/2024 15:54	WG2296667

8Al

9Sc

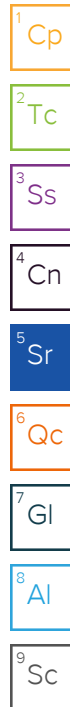
Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		110	200	200	06/01/2024 07:34	WG2296518
Acrylonitrile	U		15.2	100	200	06/01/2024 07:34	WG2296518
Benzene	U		3.20	8.00	200	06/01/2024 07:34	WG2296518
Bromobenzene	U		8.40	100	200	06/01/2024 07:34	WG2296518
Bromochloromethane	U		9.04	40.0	200	06/01/2024 07:34	WG2296518
Bromodichloromethane	U		6.30	20.0	200	06/01/2024 07:34	WG2296518
Bromoform	U		47.8	200	200	06/01/2024 07:34	WG2296518
Bromomethane	U		29.6	100	200	06/01/2024 07:34	WG2296518
n-Butylbenzene	U		30.6	100	200	06/01/2024 07:34	WG2296518
sec-Butylbenzene	U		20.2	100	200	06/01/2024 07:34	WG2296518
tert-Butylbenzene	U		12.4	40.0	200	06/01/2024 07:34	WG2296518
Carbon disulfide	U		32.4	100	200	06/01/2024 07:34	WG2296518
Carbon tetrachloride	U		8.64	40.0	200	06/01/2024 07:34	WG2296518
Chlorobenzene	U		4.58	20.0	200	06/01/2024 07:34	WG2296518
Chlorodibromomethane	U		3.60	20.0	200	06/01/2024 07:34	WG2296518
Chloroethane	U		8.64	40.0	200	06/01/2024 07:34	WG2296518
Chloroform	U		3.32	20.0	200	06/01/2024 07:34	WG2296518
Chloromethane	U		11.1	100	200	06/01/2024 07:34	WG2296518
2-Chlorotoluene	U		7.36	20.0	200	06/01/2024 07:34	WG2296518
4-Chlorotoluene	U		9.04	40.0	200	06/01/2024 07:34	WG2296518
1,2-Dibromo-3-Chloropropane	U	UJ C3	40.8	200	200	06/01/2024 07:34	WG2296518
1,2-Dibromoethane	U		4.20	20.0	200	06/01/2024 07:34	WG2296518
Dibromomethane	U		8.00	40.0	200	06/01/2024 07:34	WG2296518
1,2-Dichlorobenzene	U		11.6	40.0	200	06/01/2024 07:34	WG2296518
1,3-Dichlorobenzene	U		13.6	40.0	200	06/01/2024 07:34	WG2296518
1,4-Dichlorobenzene	U		15.8	40.0	200	06/01/2024 07:34	WG2296518
trans-1,4-Dichloro-2-butene	U		11.2	40.0	200	06/01/2024 07:34	WG2296518
Dichlorodifluoromethane	U		6.54	40.0	200	06/01/2024 07:34	WG2296518
1,1-Dichloroethane	U		4.60	20.0	200	06/01/2024 07:34	WG2296518
1,2-Dichloroethane	U		3.80	20.0	200	06/01/2024 07:34	WG2296518
1,1-Dichloroethene	8.80	J	4.00	20.0	200	06/01/2024 07:34	WG2296518

JC 7/16/2024

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	1900		5.52	20.0	200	06/01/2024 07:34	WG2296518
trans-1,2-Dichloroethene	U		11.4	40.0	200	06/01/2024 07:34	WG2296518
1,2-Dichloropropane	U		10.2	40.0	200	06/01/2024 07:34	WG2296518
1,1-Dichloropropene	U		5.60	20.0	200	06/01/2024 07:34	WG2296518
1,3-Dichloropropane	U		14.0	40.0	200	06/01/2024 07:34	WG2296518
cis-1,3-Dichloropropene	U		5.42	20.0	200	06/01/2024 07:34	WG2296518
trans-1,3-Dichloropropene	U		12.2	40.0	200	06/01/2024 07:34	WG2296518
2,2-Dichloropropane	U		6.34	20.0	200	06/01/2024 07:34	WG2296518
Di-isopropyl ether	U		2.80	8.00	200	06/01/2024 07:34	WG2296518
Ethylbenzene	U		4.24	20.0	200	06/01/2024 07:34	WG2296518
Hexachloro-1,3-butadiene	U	UJ C3	102	200	200	06/01/2024 07:34	WG2296518
2-Hexanone	U		80.0	200	200	06/01/2024 07:34	WG2296518
n-Hexane	U		8.48	40.0	200	06/01/2024 07:34	WG2296518
Iodomethane	U		48.4	100	200	06/01/2024 07:34	WG2296518
Isopropylbenzene	U		6.90	20.0	200	06/01/2024 07:34	WG2296518
p-Isopropyltoluene	U		18.6	40.0	200	06/01/2024 07:34	WG2296518
2-Butanone (MEK)	U		100	200	200	06/01/2024 07:34	WG2296518
Methylene Chloride	U		53.0	200	200	06/01/2024 07:34	WG2296518
4-Methyl-2-pentanone (MIBK)	U		80.0	200	200	06/01/2024 07:34	WG2296518
Methyl tert-butyl ether	U		2.36	8.00	200	06/01/2024 07:34	WG2296518
Naphthalene	U	UJ C3 J4	24.8	100	200	06/01/2024 07:34	WG2296518
n-Propylbenzene	U		9.44	40.0	200	06/01/2024 07:34	WG2296518
Styrene	U		21.8	100	200	06/01/2024 07:34	WG2296518
1,1,1,2-Tetrachloroethane	U		4.00	20.0	200	06/01/2024 07:34	WG2296518
1,1,2,2-Tetrachloroethane	U		3.12	20.0	200	06/01/2024 07:34	WG2296518
1,1,2-Trichlorotrifluoroethane	U		5.40	20.0	200	06/01/2024 07:34	WG2296518
Tetrachloroethene	1090	J+ C5	5.60	20.0	200	06/01/2024 07:34	WG2296518
Toluene	U		10.0	40.0	200	06/01/2024 07:34	WG2296518
1,2,3-Trichlorobenzene	U	UJ C3 J4	5.00	100	200	06/01/2024 07:34	WG2296518
1,2,4-Trichlorobenzene	U	UJ C3 J4	38.6	100	200	06/01/2024 07:34	WG2296518
1,1,1-Trichloroethane	U		2.20	20.0	200	06/01/2024 07:34	WG2296518
1,1,2-Trichloroethane	U		7.06	20.0	200	06/01/2024 07:34	WG2296518
Trichloroethene	319		3.20	8.00	200	06/01/2024 07:34	WG2296518
Trichlorofluoromethane	U		4.00	20.0	200	06/01/2024 07:34	WG2296518
1,2,3-Trichloropropane	U		40.8	100	200	06/01/2024 07:34	WG2296518
1,2,4-Trimethylbenzene	U		9.28	40.0	200	06/01/2024 07:34	WG2296518
1,2,3-Trimethylbenzene	U		9.20	40.0	200	06/01/2024 07:34	WG2296518
1,3,5-Trimethylbenzene	U		8.64	40.0	200	06/01/2024 07:34	WG2296518
Vinyl acetate	U		28.2	100	200	06/01/2024 07:34	WG2296518
Vinyl chloride	1090		5.46	20.0	200	06/01/2024 07:34	WG2296518
Xylenes, Total	U		38.2	52.0	200	06/01/2024 07:34	WG2296518
(S) Toluene-d8	102			75.0-131		06/01/2024 07:34	WG2296518
(S) 4-Bromofluorobenzene	96.7			67.0-138		06/01/2024 07:34	WG2296518
(S) 1,2-Dichloroethane-d4	101			70.0-130		06/01/2024 07:34	WG2296518



JC 7/16/2024

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/01/2024 05:21	WG2296518
Acrylonitrile	U		0.0760	0.500	1	06/01/2024 05:21	WG2296518
Benzene	U		0.0160	0.0400	1	06/01/2024 05:21	WG2296518
Bromobenzene	U		0.0420	0.500	1	06/01/2024 05:21	WG2296518
Bromochloromethane	U		0.0452	0.200	1	06/01/2024 05:21	WG2296518
Bromodichloromethane	U		0.0315	0.100	1	06/01/2024 05:21	WG2296518
Bromoform	U		0.239	1.00	1	06/01/2024 05:21	WG2296518
Bromomethane	U		0.148	0.500	1	06/01/2024 05:21	WG2296518
n-Butylbenzene	U		0.153	0.500	1	06/01/2024 05:21	WG2296518
sec-Butylbenzene	U		0.101	0.500	1	06/01/2024 05:21	WG2296518
tert-Butylbenzene	U		0.0620	0.200	1	06/01/2024 05:21	WG2296518
Carbon disulfide	U		0.162	0.500	1	06/01/2024 05:21	WG2296518
Carbon tetrachloride	U		0.0432	0.200	1	06/01/2024 05:21	WG2296518
Chlorobenzene	U		0.0229	0.100	1	06/01/2024 05:21	WG2296518
Chlorodibromomethane	U		0.0180	0.100	1	06/01/2024 05:21	WG2296518
Chloroethane	U		0.0432	0.200	1	06/01/2024 05:21	WG2296518
Chloroform	U		0.0166	0.100	1	06/01/2024 05:21	WG2296518
Chloromethane	U		0.0556	0.500	1	06/01/2024 05:21	WG2296518
2-Chlorotoluene	U		0.0368	0.100	1	06/01/2024 05:21	WG2296518
4-Chlorotoluene	U		0.0452	0.200	1	06/01/2024 05:21	WG2296518
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/01/2024 05:21	WG2296518
1,2-Dibromoethane	U		0.0210	0.100	1	06/01/2024 05:21	WG2296518
Dibromomethane	U		0.0400	0.200	1	06/01/2024 05:21	WG2296518
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/01/2024 05:21	WG2296518
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/01/2024 05:21	WG2296518
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/01/2024 05:21	WG2296518
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/01/2024 05:21	WG2296518
Dichlorodifluoromethane	U		0.0327	0.200	1	06/01/2024 05:21	WG2296518
1,1-Dichloroethane	U		0.0230	0.100	1	06/01/2024 05:21	WG2296518
1,2-Dichloroethane	U		0.0190	0.100	1	06/01/2024 05:21	WG2296518
1,1-Dichloroethene	U		0.0200	0.100	1	06/01/2024 05:21	WG2296518
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/01/2024 05:21	WG2296518
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/01/2024 05:21	WG2296518
1,2-Dichloropropane	U		0.0508	0.200	1	06/01/2024 05:21	WG2296518
1,1-Dichloropropene	U		0.0280	0.100	1	06/01/2024 05:21	WG2296518
1,3-Dichloropropane	U		0.0700	0.200	1	06/01/2024 05:21	WG2296518
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/01/2024 05:21	WG2296518
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/01/2024 05:21	WG2296518
2,2-Dichloropropane	U		0.0317	0.100	1	06/01/2024 05:21	WG2296518
Di-isopropyl ether	U		0.0140	0.0400	1	06/01/2024 05:21	WG2296518
Ethylbenzene	U		0.0212	0.100	1	06/01/2024 05:21	WG2296518
Hexachloro-1,3-butadiene	U	UJ C3	0.508	1.00	1	06/01/2024 05:21	WG2296518
2-Hexanone	U		0.400	1.00	1	06/01/2024 05:21	WG2296518
n-Hexane	U		0.0424	0.200	1	06/01/2024 05:21	WG2296518
Iodomethane	U		0.242	0.500	1	06/01/2024 05:21	WG2296518
Isopropylbenzene	U		0.0345	0.100	1	06/01/2024 05:21	WG2296518
p-Isopropyltoluene	U		0.0932	0.200	1	06/01/2024 05:21	WG2296518
2-Butanone (MEK)	U		0.500	1.00	1	06/01/2024 05:21	WG2296518
Methylene Chloride	U		0.265	1.00	1	06/01/2024 05:21	WG2296518
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/01/2024 05:21	WG2296518
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/01/2024 05:21	WG2296518
Naphthalene	U	UJ C3 J4	0.124	0.500	1	06/01/2024 05:21	WG2296518
n-Propylbenzene	U		0.0472	0.200	1	06/01/2024 05:21	WG2296518
Styrene	U		0.109	0.500	1	06/01/2024 05:21	WG2296518
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/01/2024 05:21	WG2296518
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/01/2024 05:21	WG2296518

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/16/2024

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/01/2024 05:21	WG2296518
Tetrachloroethene	U		0.0280	0.100	1	06/01/2024 05:21	WG2296518
Toluene	U		0.0500	0.200	1	06/01/2024 05:21	WG2296518
1,2,3-Trichlorobenzene	U	UJ C3 J4	0.0250	0.500	1	06/01/2024 05:21	WG2296518
1,2,4-Trichlorobenzene	U	UJ C3 J4	0.193	0.500	1	06/01/2024 05:21	WG2296518
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/01/2024 05:21	WG2296518
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/01/2024 05:21	WG2296518
Trichloroethene	U		0.0160	0.0400	1	06/01/2024 05:21	WG2296518
Trichlorofluoromethane	U		0.0200	0.100	1	06/01/2024 05:21	WG2296518
1,2,3-Trichloropropane	U		0.204	0.500	1	06/01/2024 05:21	WG2296518
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/01/2024 05:21	WG2296518
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/01/2024 05:21	WG2296518
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/01/2024 05:21	WG2296518
Vinyl acetate	U		0.141	0.500	1	06/01/2024 05:21	WG2296518
Vinyl chloride	U		0.0273	0.100	1	06/01/2024 05:21	WG2296518
Xylenes, Total	U		0.191	0.260	1	06/01/2024 05:21	WG2296518
(S) Toluene-d8	99.7			75.0-131		06/01/2024 05:21	WG2296518
(S) 4-Bromofluorobenzene	98.2			67.0-138		06/01/2024 05:21	WG2296518
(S) 1,2-Dichloroethane-d4	100			70.0-130		06/01/2024 05:21	WG2296518

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/16/2024

GEI-2-052324

Collected date/time: 05/23/24 10:12

SAMPLE RESULTS - 15

L1740435

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/03/2024 05:00	WG2297173
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 05:00	WG2297173
Benzene	U		0.0160	0.0400	1	06/03/2024 05:00	WG2297173
Bromobenzene	U		0.0420	0.500	1	06/03/2024 05:00	WG2297173
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 05:00	WG2297173
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 05:00	WG2297173
Bromoform	U	UJ C3	0.239	1.00	1	06/03/2024 05:00	WG2297173
Bromomethane	U	UJ C3	0.148	0.500	1	06/03/2024 05:00	WG2297173
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 05:00	WG2297173
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 05:00	WG2297173
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 05:00	WG2297173
Carbon disulfide	U		0.162	0.500	1	06/03/2024 05:00	WG2297173
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 05:00	WG2297173
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 05:00	WG2297173
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 05:00	WG2297173
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 05:00	WG2297173
Chloroform	U		0.0166	0.100	1	06/03/2024 05:00	WG2297173
Chloromethane	U		0.0556	0.500	1	06/03/2024 05:00	WG2297173
2-Chlorotoluene	U	UJ C3	0.0368	0.100	1	06/03/2024 05:00	WG2297173
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 05:00	WG2297173
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 05:00	WG2297173
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 05:00	WG2297173
Dibromomethane	U		0.0400	0.200	1	06/03/2024 05:00	WG2297173
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 05:00	WG2297173
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 05:00	WG2297173
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 05:00	WG2297173
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2024 05:00	WG2297173
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 05:00	WG2297173
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 05:00	WG2297173
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 05:00	WG2297173
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 05:00	WG2297173
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/03/2024 05:00	WG2297173
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2024 05:00	WG2297173
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 05:00	WG2297173
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 05:00	WG2297173
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 05:00	WG2297173
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 05:00	WG2297173
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 05:00	WG2297173
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 05:00	WG2297173
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 05:00	WG2297173
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 05:00	WG2297173
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 05:00	WG2297173
2-Hexanone	U		0.400	1.00	1	06/03/2024 05:00	WG2297173
n-Hexane	U		0.0424	0.200	1	06/03/2024 05:00	WG2297173
Iodomethane	U	UJ C3	0.242	0.500	1	06/03/2024 05:00	WG2297173
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 05:00	WG2297173
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 05:00	WG2297173
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 05:00	WG2297173
Methylene Chloride	U		0.265	1.00	1	06/03/2024 05:00	WG2297173
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 05:00	WG2297173
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 05:00	WG2297173
Naphthalene	U		0.124	0.500	1	06/03/2024 05:00	WG2297173
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 05:00	WG2297173
Styrene	U		0.109	0.500	1	06/03/2024 05:00	WG2297173
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 05:00	WG2297173
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 05:00	WG2297173

JC 7/16/2024

ACCOUNT:

PES Environmental, Inc.- WA

PROJECT:

443022-1413001.10.70

SDG:

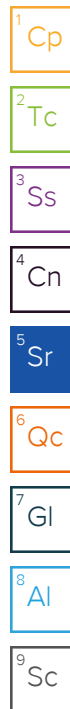
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07/11/24 15:24

PAGE:

35 of 66



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 05:00	WG2297173
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 05:00	WG2297173
Toluene	U		0.0500	0.200	1	06/03/2024 05:00	WG2297173
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 05:00	WG2297173
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 05:00	WG2297173
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 05:00	WG2297173
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 05:00	WG2297173
Trichloroethene	U		0.0160	0.0400	1	06/03/2024 05:00	WG2297173
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	06/03/2024 05:00	WG2297173
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 05:00	WG2297173
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 05:00	WG2297173
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 05:00	WG2297173
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 05:00	WG2297173
Vinyl acetate	U		0.141	0.500	1	06/03/2024 05:00	WG2297173
Vinyl chloride	U		0.0273	0.100	1	06/03/2024 05:00	WG2297173
Xylenes, Total	U		0.191	0.260	1	06/03/2024 05:00	WG2297173
(S) Toluene-d8	102			75.0-131		06/03/2024 05:00	WG2297173
(S) 4-Bromofluorobenzene	96.1			67.0-138		06/03/2024 05:00	WG2297173
(S) 1,2-Dichloroethane-d4	91.8			70.0-130		06/03/2024 05:00	WG2297173

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

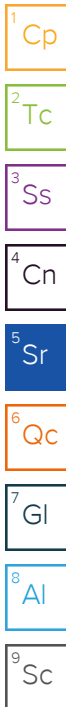
9Sc

JC 7/16/2024

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	06/03/2024 05:18	WG2297173
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 05:18	WG2297173
Benzene	U		0.0160	0.0400	1	06/03/2024 05:18	WG2297173
Bromobenzene	U		0.0420	0.500	1	06/03/2024 05:18	WG2297173
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 05:18	WG2297173
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 05:18	WG2297173
Bromoform	U	UJ C3	0.239	1.00	1	06/03/2024 05:18	WG2297173
Bromomethane	U	UJ C3	0.148	0.500	1	06/03/2024 05:18	WG2297173
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 05:18	WG2297173
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 05:18	WG2297173
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 05:18	WG2297173
Carbon disulfide	U		0.162	0.500	1	06/03/2024 05:18	WG2297173
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 05:18	WG2297173
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 05:18	WG2297173
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 05:18	WG2297173
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 05:18	WG2297173
Chloroform	U		0.0166	0.100	1	06/03/2024 05:18	WG2297173
Chloromethane	U		0.0556	0.500	1	06/03/2024 05:18	WG2297173
2-Chlorotoluene	U	UJ C3	0.0368	0.100	1	06/03/2024 05:18	WG2297173
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 05:18	WG2297173
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 05:18	WG2297173
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 05:18	WG2297173
Dibromomethane	U		0.0400	0.200	1	06/03/2024 05:18	WG2297173
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 05:18	WG2297173
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 05:18	WG2297173
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 05:18	WG2297173
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2024 05:18	WG2297173
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 05:18	WG2297173
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 05:18	WG2297173
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 05:18	WG2297173
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 05:18	WG2297173
cis-1,2-Dichloroethene	15.2		0.0276	0.100	1	06/03/2024 05:18	WG2297173
trans-1,2-Dichloroethene	0.201		0.0572	0.200	1	06/03/2024 05:18	WG2297173
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 05:18	WG2297173
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 05:18	WG2297173
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 05:18	WG2297173
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 05:18	WG2297173
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 05:18	WG2297173
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 05:18	WG2297173
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 05:18	WG2297173
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 05:18	WG2297173
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 05:18	WG2297173
2-Hexanone	U		0.400	1.00	1	06/03/2024 05:18	WG2297173
n-Hexane	U		0.0424	0.200	1	06/03/2024 05:18	WG2297173
Iodomethane	U	UJ C3	0.242	0.500	1	06/03/2024 05:18	WG2297173
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 05:18	WG2297173
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 05:18	WG2297173
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 05:18	WG2297173
Methylene Chloride	U		0.265	1.00	1	06/03/2024 05:18	WG2297173
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 05:18	WG2297173
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 05:18	WG2297173
Naphthalene	U		0.124	0.500	1	06/03/2024 05:18	WG2297173
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 05:18	WG2297173
Styrene	U		0.109	0.500	1	06/03/2024 05:18	WG2297173
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 05:18	WG2297173
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 05:18	WG2297173

JC 7/16/2024



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 05:18	WG2297173
Tetrachloroethene	2.41		0.0280	0.100	1	06/03/2024 05:18	WG2297173
Toluene	U		0.0500	0.200	1	06/03/2024 05:18	WG2297173
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 05:18	WG2297173
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 05:18	WG2297173
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 05:18	WG2297173
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 05:18	WG2297173
Trichloroethene	5.88		0.0160	0.0400	1	06/03/2024 05:18	WG2297173
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	06/03/2024 05:18	WG2297173
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 05:18	WG2297173
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 05:18	WG2297173
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 05:18	WG2297173
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 05:18	WG2297173
Vinyl acetate	U		0.141	0.500	1	06/03/2024 05:18	WG2297173
Vinyl chloride	U		0.0273	0.100	1	06/03/2024 05:18	WG2297173
Xylenes, Total	U		0.191	0.260	1	06/03/2024 05:18	WG2297173
(S) Toluene-d8	102			75.0-131		06/03/2024 05:18	WG2297173
(S) 4-Bromofluorobenzene	96.3			67.0-138		06/03/2024 05:18	WG2297173
(S) 1,2-Dichloroethane-d4	94.9			70.0-130		06/03/2024 05:18	WG2297173

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/03/2024 05:38	WG2297173
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 05:38	WG2297173
Benzene	10.9		0.0160	0.0400	1	06/03/2024 05:38	WG2297173
Bromobenzene	U		0.0420	0.500	1	06/03/2024 05:38	WG2297173
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 05:38	WG2297173
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 05:38	WG2297173
Bromoform	U	UJ C3	0.239	1.00	1	06/03/2024 05:38	WG2297173
Bromomethane	U	UJ C3	0.148	0.500	1	06/03/2024 05:38	WG2297173
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 05:38	WG2297173
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 05:38	WG2297173
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 05:38	WG2297173
Carbon disulfide	U		0.162	0.500	1	06/03/2024 05:38	WG2297173
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 05:38	WG2297173
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 05:38	WG2297173
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 05:38	WG2297173
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 05:38	WG2297173
Chloroform	U		0.0166	0.100	1	06/03/2024 05:38	WG2297173
Chloromethane	U		0.0556	0.500	1	06/03/2024 05:38	WG2297173
2-Chlorotoluene	U	UJ C3	0.0368	0.100	1	06/03/2024 05:38	WG2297173
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 05:38	WG2297173
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 05:38	WG2297173
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 05:38	WG2297173
Dibromomethane	U		0.0400	0.200	1	06/03/2024 05:38	WG2297173
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 05:38	WG2297173
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 05:38	WG2297173
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 05:38	WG2297173
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2024 05:38	WG2297173
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 05:38	WG2297173
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 05:38	WG2297173
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 05:38	WG2297173
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 05:38	WG2297173
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/03/2024 05:38	WG2297173
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2024 05:38	WG2297173
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 05:38	WG2297173
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 05:38	WG2297173
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 05:38	WG2297173
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 05:38	WG2297173
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 05:38	WG2297173
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 05:38	WG2297173
Di-isopropyl ether	0.216		0.0140	0.0400	1	06/03/2024 05:38	WG2297173
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 05:38	WG2297173
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 05:38	WG2297173
2-Hexanone	U		0.400	1.00	1	06/03/2024 05:38	WG2297173
n-Hexane	U		0.0424	0.200	1	06/03/2024 05:38	WG2297173
Iodomethane	U	UJ C3	0.242	0.500	1	06/03/2024 05:38	WG2297173
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 05:38	WG2297173
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 05:38	WG2297173
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 05:38	WG2297173
Methylene Chloride	U		0.265	1.00	1	06/03/2024 05:38	WG2297173
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 05:38	WG2297173
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 05:38	WG2297173
Naphthalene	U		0.124	0.500	1	06/03/2024 05:38	WG2297173
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 05:38	WG2297173
Styrene	U		0.109	0.500	1	06/03/2024 05:38	WG2297173
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 05:38	WG2297173
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 05:38	WG2297173

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/16/2024

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 05:38	WG2297173
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 05:38	WG2297173
Toluene	U		0.0500	0.200	1	06/03/2024 05:38	WG2297173
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 05:38	WG2297173
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 05:38	WG2297173
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 05:38	WG2297173
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 05:38	WG2297173
Trichloroethene	U		0.0160	0.0400	1	06/03/2024 05:38	WG2297173
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	06/03/2024 05:38	WG2297173
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 05:38	WG2297173
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 05:38	WG2297173
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 05:38	WG2297173
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 05:38	WG2297173
Vinyl acetate	U		0.141	0.500	1	06/03/2024 05:38	WG2297173
Vinyl chloride	1.02		0.0273	0.100	1	06/03/2024 05:38	WG2297173
Xylenes, Total	U		0.191	0.260	1	06/03/2024 05:38	WG2297173
(S) Toluene-d8	100			75.0-131		06/03/2024 05:38	WG2297173
(S) 4-Bromofluorobenzene	98.8			67.0-138		06/03/2024 05:38	WG2297173
(S) 1,2-Dichloroethane-d4	99.9			70.0-130		06/03/2024 05:38	WG2297173

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/16/2024

MW-329-052324

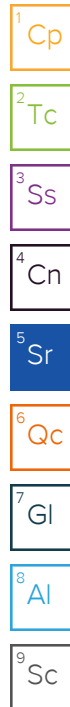
SAMPLE RESULTS - 18

Collected date/time: 05/23/24 13:55

L1740435

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/03/2024 05:57	WG2297173
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 05:57	WG2297173
Benzene	U		0.0160	0.0400	1	06/03/2024 05:57	WG2297173
Bromobenzene	U		0.0420	0.500	1	06/03/2024 05:57	WG2297173
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 05:57	WG2297173
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 05:57	WG2297173
Bromoform	U	UJ C3	0.239	1.00	1	06/03/2024 05:57	WG2297173
Bromomethane	U	UJ C3	0.148	0.500	1	06/03/2024 05:57	WG2297173
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 05:57	WG2297173
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 05:57	WG2297173
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 05:57	WG2297173
Carbon disulfide	U		0.162	0.500	1	06/03/2024 05:57	WG2297173
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 05:57	WG2297173
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 05:57	WG2297173
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 05:57	WG2297173
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 05:57	WG2297173
Chloroform	U		0.0166	0.100	1	06/03/2024 05:57	WG2297173
Chloromethane	U		0.0556	0.500	1	06/03/2024 05:57	WG2297173
2-Chlorotoluene	U	UJ C3	0.0368	0.100	1	06/03/2024 05:57	WG2297173
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 05:57	WG2297173
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 05:57	WG2297173
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 05:57	WG2297173
Dibromomethane	U		0.0400	0.200	1	06/03/2024 05:57	WG2297173
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 05:57	WG2297173
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 05:57	WG2297173
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 05:57	WG2297173
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2024 05:57	WG2297173
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 05:57	WG2297173
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 05:57	WG2297173
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 05:57	WG2297173
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 05:57	WG2297173
cis-1,2-Dichloroethene	7.80		0.0276	0.100	1	06/03/2024 05:57	WG2297173
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2024 05:57	WG2297173
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 05:57	WG2297173
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 05:57	WG2297173
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 05:57	WG2297173
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 05:57	WG2297173
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 05:57	WG2297173
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 05:57	WG2297173
Di-isopropyl ether	0.0830		0.0140	0.0400	1	06/03/2024 05:57	WG2297173
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 05:57	WG2297173
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 05:57	WG2297173
2-Hexanone	U		0.400	1.00	1	06/03/2024 05:57	WG2297173
n-Hexane	U		0.0424	0.200	1	06/03/2024 05:57	WG2297173
Iodomethane	U	UJ C3	0.242	0.500	1	06/03/2024 05:57	WG2297173
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 05:57	WG2297173
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 05:57	WG2297173
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 05:57	WG2297173
Methylene Chloride	U		0.265	1.00	1	06/03/2024 05:57	WG2297173
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 05:57	WG2297173
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 05:57	WG2297173
Naphthalene	U		0.124	0.500	1	06/03/2024 05:57	WG2297173
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 05:57	WG2297173
Styrene	U		0.109	0.500	1	06/03/2024 05:57	WG2297173
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 05:57	WG2297173
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 05:57	WG2297173



JC 7/16/2024

ACCOUNT:

PES Environmental, Inc.- WA

PROJECT:

443022-1413001.10.70

SDG:

L1740435

DATE/TIME:

07/11/24 15:24

PAGE:

41 of 66

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 05:57	WG2297173
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 05:57	WG2297173
Toluene	U		0.0500	0.200	1	06/03/2024 05:57	WG2297173
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 05:57	WG2297173
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 05:57	WG2297173
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 05:57	WG2297173
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 05:57	WG2297173
Trichloroethene	U		0.0160	0.0400	1	06/03/2024 05:57	WG2297173
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	06/03/2024 05:57	WG2297173
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 05:57	WG2297173
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 05:57	WG2297173
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 05:57	WG2297173
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 05:57	WG2297173
Vinyl acetate	U		0.141	0.500	1	06/03/2024 05:57	WG2297173
Vinyl chloride	23.4		0.0273	0.100	1	06/03/2024 05:57	WG2297173
Xylenes, Total	U		0.191	0.260	1	06/03/2024 05:57	WG2297173
(S) Toluene-d8	101			75.0-131		06/03/2024 05:57	WG2297173
(S) 4-Bromofluorobenzene	94.8			67.0-138		06/03/2024 05:57	WG2297173
(S) 1,2-Dichloroethane-d4	94.9			70.0-130		06/03/2024 05:57	WG2297173

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/16/2024

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/03/2024 06:09	WG2297215
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 06:09	WG2297215
Benzene	0.0990		0.0160	0.0400	1	06/03/2024 06:09	WG2297215
Bromobenzene	U		0.0420	0.500	1	06/03/2024 06:09	WG2297215
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 06:09	WG2297215
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 06:09	WG2297215
Bromoform	U		0.239	1.00	1	06/03/2024 06:09	WG2297215
Bromomethane	U	UJ C3 JS	0.148	0.500	1	06/03/2024 06:09	WG2297215
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 06:09	WG2297215
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 06:09	WG2297215
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 06:09	WG2297215
Carbon disulfide	U		0.162	0.500	1	06/03/2024 06:09	WG2297215
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 06:09	WG2297215
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 06:09	WG2297215
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 06:09	WG2297215
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 06:09	WG2297215
Chloroform	U		0.0166	0.100	1	06/03/2024 06:09	WG2297215
Chloromethane	U		0.0556	0.500	1	06/03/2024 06:09	WG2297215
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 06:09	WG2297215
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 06:09	WG2297215
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 06:09	WG2297215
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 06:09	WG2297215
Dibromomethane	U		0.0400	0.200	1	06/03/2024 06:09	WG2297215
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 06:09	WG2297215
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 06:09	WG2297215
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 06:09	WG2297215
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2024 06:09	WG2297215
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 06:09	WG2297215
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 06:09	WG2297215
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 06:09	WG2297215
1,1-Dichloroethene	0.571		0.0200	0.100	1	06/03/2024 06:09	WG2297215
cis-1,2-Dichloroethene	110	J T8	0.276	1.00	10	06/09/2024 12:32	WG2300672
trans-1,2-Dichloroethene	0.779		0.0572	0.200	1	06/03/2024 06:09	WG2297215
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 06:09	WG2297215
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 06:09	WG2297215
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 06:09	WG2297215
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 06:09	WG2297215
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 06:09	WG2297215
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 06:09	WG2297215
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 06:09	WG2297215
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 06:09	WG2297215
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 06:09	WG2297215
2-Hexanone	U		0.400	1.00	1	06/03/2024 06:09	WG2297215
n-Hexane	U		0.0424	0.200	1	06/03/2024 06:09	WG2297215
Iodomethane	U		0.242	0.500	1	06/03/2024 06:09	WG2297215
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 06:09	WG2297215
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 06:09	WG2297215
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 06:09	WG2297215
Methylene Chloride	U		0.265	1.00	1	06/03/2024 06:09	WG2297215
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 06:09	WG2297215
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 06:09	WG2297215
Naphthalene	U		0.124	0.500	1	06/03/2024 06:09	WG2297215
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 06:09	WG2297215
Styrene	U		0.109	0.500	1	06/03/2024 06:09	WG2297215
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 06:09	WG2297215
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 06:09	WG2297215

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 06:09	WG2297215
Tetrachloroethene	90.6	J T8	0.280	1.00	10	06/09/2024 12:32	WG2300672
Toluene	U		0.0500	0.200	1	06/03/2024 06:09	WG2297215
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 06:09	WG2297215
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 06:09	WG2297215
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 06:09	WG2297215
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 06:09	WG2297215
Trichloroethene	102	J T8	0.160	0.400	10	06/09/2024 12:32	WG2300672
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2024 06:09	WG2297215
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 06:09	WG2297215
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 06:09	WG2297215
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 06:09	WG2297215
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 06:09	WG2297215
Vinyl acetate	U		0.141	0.500	1	06/03/2024 06:09	WG2297215
Vinyl chloride	0.112		0.0273	0.100	1	06/03/2024 06:09	WG2297215
Xylenes, Total	U		0.191	0.260	1	06/03/2024 06:09	WG2297215
(S) Toluene-d8	99.9			75.0-131		06/03/2024 06:09	WG2297215
(S) Toluene-d8	107			75.0-131		06/09/2024 12:32	WG2300672
(S) 4-Bromofluorobenzene	104			67.0-138		06/03/2024 06:09	WG2297215
(S) 4-Bromofluorobenzene	101			67.0-138		06/09/2024 12:32	WG2300672
(S) 1,2-Dichloroethane-d4	107			70.0-130		06/03/2024 06:09	WG2297215
(S) 1,2-Dichloroethane-d4	90.6			70.0-130		06/09/2024 12:32	WG2300672

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/10/24

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/03/2024 06:28	WG2297215
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 06:28	WG2297215
Benzene	0.0440		0.0160	0.0400	1	06/03/2024 06:28	WG2297215
Bromobenzene	U		0.0420	0.500	1	06/03/2024 06:28	WG2297215
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 06:28	WG2297215
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 06:28	WG2297215
Bromoform	U		0.239	1.00	1	06/03/2024 06:28	WG2297215
Bromomethane	U	UJ C3 J3	0.148	0.500	1	06/03/2024 06:28	WG2297215
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 06:28	WG2297215
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 06:28	WG2297215
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 06:28	WG2297215
Carbon disulfide	0.180	J	0.162	0.500	1	06/03/2024 06:28	WG2297215
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 06:28	WG2297215
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 06:28	WG2297215
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 06:28	WG2297215
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 06:28	WG2297215
Chloroform	U		0.0166	0.100	1	06/03/2024 06:28	WG2297215
Chloromethane	U		0.0556	0.500	1	06/03/2024 06:28	WG2297215
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 06:28	WG2297215
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 06:28	WG2297215
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 06:28	WG2297215
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 06:28	WG2297215
Dibromomethane	U		0.0400	0.200	1	06/03/2024 06:28	WG2297215
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 06:28	WG2297215
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 06:28	WG2297215
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 06:28	WG2297215
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2024 06:28	WG2297215
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 06:28	WG2297215
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 06:28	WG2297215
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 06:28	WG2297215
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 06:28	WG2297215
cis-1,2-Dichloroethene	0.0890	J J T8	0.0276	0.100	1	06/09/2024 12:12	WG2300672
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2024 06:28	WG2297215
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 06:28	WG2297215
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 06:28	WG2297215
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 06:28	WG2297215
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 06:28	WG2297215
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 06:28	WG2297215
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 06:28	WG2297215
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 06:28	WG2297215
Ethylbenzene	0.294		0.0212	0.100	1	06/03/2024 06:28	WG2297215
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 06:28	WG2297215
2-Hexanone	U		0.400	1.00	1	06/03/2024 06:28	WG2297215
n-Hexane	U		0.0424	0.200	1	06/03/2024 06:28	WG2297215
Iodomethane	U		0.242	0.500	1	06/03/2024 06:28	WG2297215
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 06:28	WG2297215
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 06:28	WG2297215
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 06:28	WG2297215
Methylene Chloride	U		0.265	1.00	1	06/03/2024 06:28	WG2297215
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 06:28	WG2297215
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 06:28	WG2297215
Naphthalene	U		0.124	0.500	1	06/03/2024 06:28	WG2297215
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 06:28	WG2297215
Styrene	U		0.109	0.500	1	06/03/2024 06:28	WG2297215
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 06:28	WG2297215
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 06:28	WG2297215

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 06:28	WG2297215
Tetrachloroethene	U	UJ T8	0.0280	0.100	1	06/09/2024 12:12	WG2300672
Toluene	0.150	J	0.0500	0.200	1	06/03/2024 06:28	WG2297215
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 06:28	WG2297215
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 06:28	WG2297215
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 06:28	WG2297215
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 06:28	WG2297215
Trichloroethene	U	UJ T8	0.0160	0.0400	1	06/09/2024 12:12	WG2300672
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2024 06:28	WG2297215
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 06:28	WG2297215
1,2,4-Trimethylbenzene	0.0660	U B-J	0.0464	0.200	1	06/03/2024 06:28	WG2297215
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 06:28	WG2297215
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 06:28	WG2297215
Vinyl acetate	U		0.141	0.500	1	06/03/2024 06:28	WG2297215
Vinyl chloride	U		0.0273	0.100	1	06/03/2024 06:28	WG2297215
Xylenes, Total	1.44		0.191	0.260	1	06/03/2024 06:28	WG2297215
(S) Toluene-d8	99.2			75.0-131		06/03/2024 06:28	WG2297215
(S) Toluene-d8	105			75.0-131		06/09/2024 12:12	WG2300672
(S) 4-Bromofluorobenzene	103			67.0-138		06/03/2024 06:28	WG2297215
(S) 4-Bromofluorobenzene	101			67.0-138		06/09/2024 12:12	WG2300672
(S) 1,2-Dichloroethane-d4	97.9			70.0-130		06/03/2024 06:28	WG2297215
(S) 1,2-Dichloroethane-d4	102			70.0-130		06/09/2024 12:12	WG2300672

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/03/2024 06:47	WG2297215
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 06:47	WG2297215
Benzene	U		0.0160	0.0400	1	06/03/2024 06:47	WG2297215
Bromobenzene	U		0.0420	0.500	1	06/03/2024 06:47	WG2297215
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 06:47	WG2297215
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 06:47	WG2297215
Bromoform	U		0.239	1.00	1	06/03/2024 06:47	WG2297215
Bromomethane	U	UJ C3 JS	0.148	0.500	1	06/03/2024 06:47	WG2297215
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 06:47	WG2297215
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 06:47	WG2297215
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 06:47	WG2297215
Carbon disulfide	U		0.162	0.500	1	06/03/2024 06:47	WG2297215
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 06:47	WG2297215
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 06:47	WG2297215
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 06:47	WG2297215
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 06:47	WG2297215
Chloroform	U		0.0166	0.100	1	06/03/2024 06:47	WG2297215
Chloromethane	U		0.0556	0.500	1	06/03/2024 06:47	WG2297215
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 06:47	WG2297215
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 06:47	WG2297215
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 06:47	WG2297215
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 06:47	WG2297215
Dibromomethane	U		0.0400	0.200	1	06/03/2024 06:47	WG2297215
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 06:47	WG2297215
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 06:47	WG2297215
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 06:47	WG2297215
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2024 06:47	WG2297215
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 06:47	WG2297215
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 06:47	WG2297215
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 06:47	WG2297215
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 06:47	WG2297215
cis-1,2-Dichloroethene	1.26		0.0276	0.100	1	06/03/2024 06:47	WG2297215
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2024 06:47	WG2297215
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 06:47	WG2297215
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 06:47	WG2297215
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 06:47	WG2297215
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 06:47	WG2297215
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 06:47	WG2297215
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 06:47	WG2297215
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 06:47	WG2297215
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 06:47	WG2297215
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 06:47	WG2297215
2-Hexanone	U		0.400	1.00	1	06/03/2024 06:47	WG2297215
n-Hexane	U		0.0424	0.200	1	06/03/2024 06:47	WG2297215
Iodomethane	U		0.242	0.500	1	06/03/2024 06:47	WG2297215
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 06:47	WG2297215
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 06:47	WG2297215
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 06:47	WG2297215
Methylene Chloride	U		0.265	1.00	1	06/03/2024 06:47	WG2297215
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 06:47	WG2297215
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 06:47	WG2297215
Naphthalene	U		0.124	0.500	1	06/03/2024 06:47	WG2297215
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 06:47	WG2297215
Styrene	U		0.109	0.500	1	06/03/2024 06:47	WG2297215
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 06:47	WG2297215
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 06:47	WG2297215

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 06:47	WG2297215
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 06:47	WG2297215
Toluene	U		0.0500	0.200	1	06/03/2024 06:47	WG2297215
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 06:47	WG2297215
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 06:47	WG2297215
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 06:47	WG2297215
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 06:47	WG2297215
Trichloroethene	U		0.0160	0.0400	1	06/03/2024 06:47	WG2297215
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2024 06:47	WG2297215
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 06:47	WG2297215
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 06:47	WG2297215
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 06:47	WG2297215
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 06:47	WG2297215
Vinyl acetate	U		0.141	0.500	1	06/03/2024 06:47	WG2297215
Vinyl chloride	U		0.0273	0.100	1	06/03/2024 06:47	WG2297215
Xylenes, Total	U		0.191	0.260	1	06/03/2024 06:47	WG2297215
(S) Toluene-d8	101			75.0-131		06/03/2024 06:47	WG2297215
(S) 4-Bromofluorobenzene	103			67.0-138		06/03/2024 06:47	WG2297215
(S) 1,2-Dichloroethane-d4	97.1			70.0-130		06/03/2024 06:47	WG2297215

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	06/03/2024 07:06	WG2297215
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 07:06	WG2297215
Benzene	U		0.0160	0.0400	1	06/03/2024 07:06	WG2297215
Bromobenzene	U		0.0420	0.500	1	06/03/2024 07:06	WG2297215
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 07:06	WG2297215
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 07:06	WG2297215
Bromoform	U		0.239	1.00	1	06/03/2024 07:06	WG2297215
Bromomethane	U	UJ C3 ~~33~~	0.148	0.500	1	06/03/2024 07:06	WG2297215
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 07:06	WG2297215
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 07:06	WG2297215
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 07:06	WG2297215
Carbon disulfide	U		0.162	0.500	1	06/03/2024 07:06	WG2297215
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 07:06	WG2297215
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 07:06	WG2297215
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 07:06	WG2297215
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 07:06	WG2297215
Chloroform	U		0.0166	0.100	1	06/03/2024 07:06	WG2297215
Chloromethane	U		0.0556	0.500	1	06/03/2024 07:06	WG2297215
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 07:06	WG2297215
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 07:06	WG2297215
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 07:06	WG2297215
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 07:06	WG2297215
Dibromomethane	U		0.0400	0.200	1	06/03/2024 07:06	WG2297215
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 07:06	WG2297215
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 07:06	WG2297215
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 07:06	WG2297215
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2024 07:06	WG2297215
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 07:06	WG2297215
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 07:06	WG2297215
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 07:06	WG2297215
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 07:06	WG2297215
cis-1,2-Dichloroethene	5.64		0.0276	0.100	1	06/03/2024 07:06	WG2297215
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2024 07:06	WG2297215
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 07:06	WG2297215
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 07:06	WG2297215
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 07:06	WG2297215
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 07:06	WG2297215
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 07:06	WG2297215
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 07:06	WG2297215
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 07:06	WG2297215
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 07:06	WG2297215
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 07:06	WG2297215
2-Hexanone	U		0.400	1.00	1	06/03/2024 07:06	WG2297215
n-Hexane	U		0.0424	0.200	1	06/03/2024 07:06	WG2297215
Iodomethane	U		0.242	0.500	1	06/03/2024 07:06	WG2297215
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 07:06	WG2297215
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 07:06	WG2297215
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 07:06	WG2297215
Methylene Chloride	U		0.265	1.00	1	06/03/2024 07:06	WG2297215
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 07:06	WG2297215
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 07:06	WG2297215
Naphthalene	U		0.124	0.500	1	06/03/2024 07:06	WG2297215
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 07:06	WG2297215
Styrene	U		0.109	0.500	1	06/03/2024 07:06	WG2297215
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 07:06	WG2297215
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 07:06	WG2297215

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 07:06	WG2297215
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 07:06	WG2297215
Toluene	U		0.0500	0.200	1	06/03/2024 07:06	WG2297215
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 07:06	WG2297215
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 07:06	WG2297215
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 07:06	WG2297215
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 07:06	WG2297215
Trichloroethene	0.684		0.0160	0.0400	1	06/03/2024 07:06	WG2297215
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2024 07:06	WG2297215
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 07:06	WG2297215
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 07:06	WG2297215
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 07:06	WG2297215
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 07:06	WG2297215
Vinyl acetate	U		0.141	0.500	1	06/03/2024 07:06	WG2297215
Vinyl chloride	U		0.0273	0.100	1	06/03/2024 07:06	WG2297215
Xylenes, Total	U		0.191	0.260	1	06/03/2024 07:06	WG2297215
(S) Toluene-d8	101			75.0-131		06/03/2024 07:06	WG2297215
(S) 4-Bromofluorobenzene	103			67.0-138		06/03/2024 07:06	WG2297215
(S) 1,2-Dichloroethane-d4	97.2			70.0-130		06/03/2024 07:06	WG2297215

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/10/24

MW119-052424

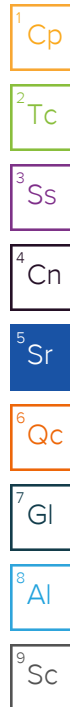
SAMPLE RESULTS - 05

Collected date/time: 05/24/24 10:49

L1740722

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	06/03/2024 07:25	WG2297215
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 07:25	WG2297215
Benzene	0.0240	J	0.0160	0.0400	1	06/03/2024 07:25	WG2297215
Bromobenzene	U		0.0420	0.500	1	06/03/2024 07:25	WG2297215
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 07:25	WG2297215
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 07:25	WG2297215
Bromoform	U		0.239	1.00	1	06/03/2024 07:25	WG2297215
Bromomethane	U	UJ C3-J3	0.148	0.500	1	06/03/2024 07:25	WG2297215
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 07:25	WG2297215
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 07:25	WG2297215
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 07:25	WG2297215
Carbon disulfide	U		0.162	0.500	1	06/03/2024 07:25	WG2297215
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 07:25	WG2297215
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 07:25	WG2297215
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 07:25	WG2297215
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 07:25	WG2297215
Chloroform	U		0.0166	0.100	1	06/03/2024 07:25	WG2297215
Chloromethane	U		0.0556	0.500	1	06/03/2024 07:25	WG2297215
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 07:25	WG2297215
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 07:25	WG2297215
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 07:25	WG2297215
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 07:25	WG2297215
Dibromomethane	U		0.0400	0.200	1	06/03/2024 07:25	WG2297215
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 07:25	WG2297215
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 07:25	WG2297215
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 07:25	WG2297215
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2024 07:25	WG2297215
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 07:25	WG2297215
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 07:25	WG2297215
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 07:25	WG2297215
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 07:25	WG2297215
cis-1,2-Dichloroethene	3.36		0.0276	0.100	1	06/03/2024 07:25	WG2297215
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2024 07:25	WG2297215
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 07:25	WG2297215
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 07:25	WG2297215
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 07:25	WG2297215
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 07:25	WG2297215
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 07:25	WG2297215
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 07:25	WG2297215
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 07:25	WG2297215
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 07:25	WG2297215
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 07:25	WG2297215
2-Hexanone	U		0.400	1.00	1	06/03/2024 07:25	WG2297215
n-Hexane	U		0.0424	0.200	1	06/03/2024 07:25	WG2297215
Iodomethane	U		0.242	0.500	1	06/03/2024 07:25	WG2297215
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 07:25	WG2297215
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 07:25	WG2297215
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 07:25	WG2297215
Methylene Chloride	U		0.265	1.00	1	06/03/2024 07:25	WG2297215
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 07:25	WG2297215
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 07:25	WG2297215
Naphthalene	U		0.124	0.500	1	06/03/2024 07:25	WG2297215
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 07:25	WG2297215
Styrene	U		0.109	0.500	1	06/03/2024 07:25	WG2297215
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 07:25	WG2297215
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 07:25	WG2297215



JC 7/10/24

ACCOUNT:

PES Environmental, Inc.- WA

PROJECT:

443022-1413001.010

SDG:

L1740722

DATE/TIME:

06/27/24 17:10

PAGE:

15 of 55

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 07:25	WG2297215
Tetrachloroethene	0.123		0.0280	0.100	1	06/03/2024 07:25	WG2297215
Toluene	U		0.0500	0.200	1	06/03/2024 07:25	WG2297215
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 07:25	WG2297215
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 07:25	WG2297215
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 07:25	WG2297215
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 07:25	WG2297215
Trichloroethene	0.427		0.0160	0.0400	1	06/03/2024 07:25	WG2297215
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2024 07:25	WG2297215
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 07:25	WG2297215
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 07:25	WG2297215
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 07:25	WG2297215
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 07:25	WG2297215
Vinyl acetate	U		0.141	0.500	1	06/03/2024 07:25	WG2297215
Vinyl chloride	U		0.0273	0.100	1	06/03/2024 07:25	WG2297215
Xylenes, Total	U		0.191	0.260	1	06/03/2024 07:25	WG2297215
(S) Toluene-d8	99.9			75.0-131		06/03/2024 07:25	WG2297215
(S) 4-Bromofluorobenzene	104			67.0-138		06/03/2024 07:25	WG2297215
(S) 1,2-Dichloroethane-d4	97.4			70.0-130		06/03/2024 07:25	WG2297215

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U		0.548	1.00	1	06/03/2024 07:44	WG2297215	
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 07:44	WG2297215	
Benzene	U		0.0160	0.0400	1	06/03/2024 07:44	WG2297215	
Bromobenzene	U		0.0420	0.500	1	06/03/2024 07:44	WG2297215	
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 07:44	WG2297215	
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 07:44	WG2297215	
Bromoform	U		0.239	1.00	1	06/03/2024 07:44	WG2297215	
Bromomethane	U	UJ	~~C3 JS~~	0.148	0.500	1	06/03/2024 07:44	WG2297215
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 07:44	WG2297215	
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 07:44	WG2297215	
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 07:44	WG2297215	
Carbon disulfide	U		0.162	0.500	1	06/03/2024 07:44	WG2297215	
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 07:44	WG2297215	
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 07:44	WG2297215	
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 07:44	WG2297215	
Chloroethane	U	UJ	~~C3~~	0.0432	0.200	1	06/03/2024 07:44	WG2297215
Chloroform	0.0780		J	0.0166	0.100	1	06/03/2024 07:44	WG2297215
Chloromethane	U		0.0556	0.500	1	06/03/2024 07:44	WG2297215	
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 07:44	WG2297215	
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 07:44	WG2297215	
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 07:44	WG2297215	
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 07:44	WG2297215	
Dibromomethane	U		0.0400	0.200	1	06/03/2024 07:44	WG2297215	
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 07:44	WG2297215	
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 07:44	WG2297215	
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 07:44	WG2297215	
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2024 07:44	WG2297215	
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 07:44	WG2297215	
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 07:44	WG2297215	
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 07:44	WG2297215	
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 07:44	WG2297215	
cis-1,2-Dichloroethene	11.0		0.0276	0.100	1	06/03/2024 07:44	WG2297215	
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2024 07:44	WG2297215	
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 07:44	WG2297215	
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 07:44	WG2297215	
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 07:44	WG2297215	
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 07:44	WG2297215	
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 07:44	WG2297215	
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 07:44	WG2297215	
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 07:44	WG2297215	
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 07:44	WG2297215	
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 07:44	WG2297215	
2-Hexanone	U		0.400	1.00	1	06/03/2024 07:44	WG2297215	
n-Hexane	U		0.0424	0.200	1	06/03/2024 07:44	WG2297215	
Iodomethane	U		0.242	0.500	1	06/03/2024 07:44	WG2297215	
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 07:44	WG2297215	
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 07:44	WG2297215	
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 07:44	WG2297215	
Methylene Chloride	U		0.265	1.00	1	06/03/2024 07:44	WG2297215	
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 07:44	WG2297215	
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 07:44	WG2297215	
Naphthalene	U		0.124	0.500	1	06/03/2024 07:44	WG2297215	
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 07:44	WG2297215	
Styrene	U		0.109	0.500	1	06/03/2024 07:44	WG2297215	
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 07:44	WG2297215	
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 07:44	WG2297215	

JC 7/10/24

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 07:44	WG2297215
Tetrachloroethene	0.0760	J	0.0280	0.100	1	06/03/2024 07:44	WG2297215
Toluene	U		0.0500	0.200	1	06/03/2024 07:44	WG2297215
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 07:44	WG2297215
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 07:44	WG2297215
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 07:44	WG2297215
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 07:44	WG2297215
Trichloroethene	0.797		0.0160	0.0400	1	06/03/2024 07:44	WG2297215
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2024 07:44	WG2297215
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 07:44	WG2297215
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 07:44	WG2297215
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 07:44	WG2297215
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 07:44	WG2297215
Vinyl acetate	U		0.141	0.500	1	06/03/2024 07:44	WG2297215
Vinyl chloride	U		0.0273	0.100	1	06/03/2024 07:44	WG2297215
Xylenes, Total	U		0.191	0.260	1	06/03/2024 07:44	WG2297215
(S) Toluene-d8	99.9			75.0-131		06/03/2024 07:44	WG2297215
(S) 4-Bromofluorobenzene	104			67.0-138		06/03/2024 07:44	WG2297215
(S) 1,2-Dichloroethane-d4	98.1			70.0-130		06/03/2024 07:44	WG2297215

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	1150	J	594	5000	1	06/21/2024 05:43	WG2309140

1
Cp

2
Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	42100		102	1000	1	06/15/2024 01:45	WG2305121

3
Ss

4
Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	32800		281	1000	10	06/26/2024 22:07	WG2298963
Manganese	8980		0.704	5.00	1	06/26/2024 18:29	WG2298963

5
Sr

6
Qc

7
Gl

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	8180		2.87	6.78	10	06/02/2024 17:17	WG2297153
Ethane	194		0.296	1.29	1	06/02/2024 14:51	WG2296810
Ethene	251		0.422	1.27	1	06/02/2024 14:51	WG2296810

8
Al

9
Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	5.58	U	0.548	1.00	1	06/03/2024 08:03	WG2297215
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 08:03	WG2297215
Benzene	0.0770		0.0160	0.0400	1	06/03/2024 08:03	WG2297215
Bromobenzene	U		0.0420	0.500	1	06/03/2024 08:03	WG2297215
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 08:03	WG2297215
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 08:03	WG2297215
Bromoform	U		0.239	1.00	1	06/03/2024 08:03	WG2297215
Bromomethane	U	UJ C3 J3	0.148	0.500	1	06/03/2024 08:03	WG2297215
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 08:03	WG2297215
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 08:03	WG2297215
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 08:03	WG2297215
Carbon disulfide	0.223	J	0.162	0.500	1	06/03/2024 08:03	WG2297215
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 08:03	WG2297215
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 08:03	WG2297215
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 08:03	WG2297215
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 08:03	WG2297215
Chloroform	U		0.0166	0.100	1	06/03/2024 08:03	WG2297215
Chloromethane	U		0.0556	0.500	1	06/03/2024 08:03	WG2297215
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 08:03	WG2297215
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 08:03	WG2297215
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 08:03	WG2297215
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 08:03	WG2297215
Dibromomethane	U		0.0400	0.200	1	06/03/2024 08:03	WG2297215
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 08:03	WG2297215
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 08:03	WG2297215
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 08:03	WG2297215
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2024 08:03	WG2297215
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 08:03	WG2297215
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 08:03	WG2297215
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 08:03	WG2297215
1,1-Dichloroethene	0.501		0.0200	0.100	1	06/03/2024 08:03	WG2297215

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	307		0.276	1.00	10	06/07/2024 13:35	WG2299617
trans-1,2-Dichloroethene	5.72		0.0572	0.200	1	06/03/2024 08:03	WG2297215
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 08:03	WG2297215
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 08:03	WG2297215
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 08:03	WG2297215
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 08:03	WG2297215
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 08:03	WG2297215
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 08:03	WG2297215
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 08:03	WG2297215
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 08:03	WG2297215
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 08:03	WG2297215
2-Hexanone	U		0.400	1.00	1	06/03/2024 08:03	WG2297215
n-Hexane	U		0.0424	0.200	1	06/03/2024 08:03	WG2297215
Iodomethane	U		0.242	0.500	1	06/03/2024 08:03	WG2297215
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 08:03	WG2297215
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 08:03	WG2297215
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 08:03	WG2297215
Methylene Chloride	U		0.265	1.00	1	06/03/2024 08:03	WG2297215
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 08:03	WG2297215
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 08:03	WG2297215
Naphthalene	U		0.124	0.500	1	06/03/2024 08:03	WG2297215
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 08:03	WG2297215
Styrene	U		0.109	0.500	1	06/03/2024 08:03	WG2297215
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 08:03	WG2297215
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 08:03	WG2297215
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 08:03	WG2297215
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 08:03	WG2297215
Toluene	0.128	U	0.0500	0.200	1	06/03/2024 08:03	WG2297215
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 08:03	WG2297215
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 08:03	WG2297215
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 08:03	WG2297215
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 08:03	WG2297215
Trichloroethene	0.0710		0.0160	0.0400	1	06/03/2024 08:03	WG2297215
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2024 08:03	WG2297215
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 08:03	WG2297215
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 08:03	WG2297215
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 08:03	WG2297215
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 08:03	WG2297215
Vinyl acetate	U		0.141	0.500	1	06/03/2024 08:03	WG2297215
Vinyl chloride	416		0.273	1.00	10	06/07/2024 13:35	WG2299617
Xylenes, Total	U		0.191	0.260	1	06/03/2024 08:03	WG2297215
(S) Toluene-d8	99.6			75.0-131		06/03/2024 08:03	WG2297215
(S) Toluene-d8	102			75.0-131		06/07/2024 13:35	WG2299617
(S) 4-Bromofluorobenzene	104			67.0-138		06/03/2024 08:03	WG2297215
(S) 4-Bromofluorobenzene	101			67.0-138		06/07/2024 13:35	WG2299617
(S) 1,2-Dichloroethane-d4	98.0			70.0-130		06/03/2024 08:03	WG2297215
(S) 1,2-Dichloroethane-d4	92.6			70.0-130		06/07/2024 13:35	WG2299617

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	1680	J	594	5000	1	06/21/2024 05:59	WG2309140

1
Cp

2
Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	20200		102	1000	1	06/15/2024 02:08	WG2305121

3
Ss

4
Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	10800		140	500	5	06/26/2024 22:10	WG2298963
Manganese	2540		0.704	5.00	1	06/26/2024 18:32	WG2298963

5
Sr

6
Qc

7
Gl

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	28000		2.87	6.78	10	06/02/2024 17:24	WG2297153
Ethane	441		0.296	1.29	1	06/02/2024 15:01	WG2296810
Ethene	U		0.422	1.27	1	06/02/2024 15:01	WG2296810

8
Al

9
Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.86	U	0.548	1.00	1	06/03/2024 08:22	WG2297215
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 08:22	WG2297215
Benzene	0.0190	J	0.0160	0.0400	1	06/03/2024 08:22	WG2297215
Bromobenzene	U		0.0420	0.500	1	06/03/2024 08:22	WG2297215
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 08:22	WG2297215
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 08:22	WG2297215
Bromoform	U		0.239	1.00	1	06/03/2024 08:22	WG2297215
Bromomethane	U	UJ C3 J3	0.148	0.500	1	06/03/2024 08:22	WG2297215
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 08:22	WG2297215
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 08:22	WG2297215
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 08:22	WG2297215
Carbon disulfide	U		0.162	0.500	1	06/03/2024 08:22	WG2297215
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 08:22	WG2297215
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 08:22	WG2297215
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 08:22	WG2297215
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 08:22	WG2297215
Chloroform	U		0.0166	0.100	1	06/03/2024 08:22	WG2297215
Chloromethane	U		0.0556	0.500	1	06/03/2024 08:22	WG2297215
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 08:22	WG2297215
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 08:22	WG2297215
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 08:22	WG2297215
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 08:22	WG2297215
Dibromomethane	U		0.0400	0.200	1	06/03/2024 08:22	WG2297215
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 08:22	WG2297215
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 08:22	WG2297215
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 08:22	WG2297215
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2024 08:22	WG2297215
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 08:22	WG2297215
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 08:22	WG2297215
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 08:22	WG2297215
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 08:22	WG2297215

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.186		0.0276	0.100	1	06/07/2024 10:38	WG2299617
trans-1,2-Dichloroethene	0.496		0.0572	0.200	1	06/03/2024 08:22	WG2297215
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 08:22	WG2297215
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 08:22	WG2297215
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 08:22	WG2297215
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 08:22	WG2297215
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 08:22	WG2297215
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 08:22	WG2297215
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 08:22	WG2297215
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 08:22	WG2297215
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 08:22	WG2297215
2-Hexanone	U		0.400	1.00	1	06/03/2024 08:22	WG2297215
n-Hexane	U		0.0424	0.200	1	06/03/2024 08:22	WG2297215
Iodomethane	U		0.242	0.500	1	06/03/2024 08:22	WG2297215
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 08:22	WG2297215
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 08:22	WG2297215
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 08:22	WG2297215
Methylene Chloride	U		0.265	1.00	1	06/03/2024 08:22	WG2297215
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 08:22	WG2297215
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 08:22	WG2297215
Naphthalene	U		0.124	0.500	1	06/03/2024 08:22	WG2297215
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 08:22	WG2297215
Styrene	U		0.109	0.500	1	06/03/2024 08:22	WG2297215
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 08:22	WG2297215
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 08:22	WG2297215
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 08:22	WG2297215
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 08:22	WG2297215
Toluene	U		0.0500	0.200	1	06/03/2024 08:22	WG2297215
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 08:22	WG2297215
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 08:22	WG2297215
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 08:22	WG2297215
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 08:22	WG2297215
Trichloroethene	0.0380	U	0.0160	0.0400	1	06/03/2024 08:22	WG2297215
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2024 08:22	WG2297215
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 08:22	WG2297215
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 08:22	WG2297215
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 08:22	WG2297215
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 08:22	WG2297215
Vinyl acetate	U		0.141	0.500	1	06/03/2024 08:22	WG2297215
Vinyl chloride	0.0960	U	0.0273	0.100	1	06/07/2024 10:38	WG2299617
Xylenes, Total	U		0.191	0.260	1	06/03/2024 08:22	WG2297215
(S) Toluene-d8	99.5			75.0-131		06/03/2024 08:22	WG2297215
(S) Toluene-d8	98.1			75.0-131		06/07/2024 10:38	WG2299617
(S) 4-Bromofluorobenzene	104			67.0-138		06/03/2024 08:22	WG2297215
(S) 4-Bromofluorobenzene	111			67.0-138		06/07/2024 10:38	WG2299617
(S) 1,2-Dichloroethane-d4	99.1			70.0-130		06/03/2024 08:22	WG2297215
(S) 1,2-Dichloroethane-d4	97.3			70.0-130		06/07/2024 10:38	WG2299617

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	23600		594	5000	1	06/21/2024 06:15	WG2309140

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	29500		102	1000	1	06/15/2024 02:31	WG2305121

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	17700		281	1000	10	06/26/2024 22:14	WG2298963
Manganese	7240		0.704	5.00	1	06/26/2024 18:35	WG2298963

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	14600		2.87	6.78	10	06/02/2024 17:30	WG2297153
Ethane	89.0		0.296	1.29	1	06/02/2024 15:12	WG2296810
Ethene	71.8		0.422	1.27	1	06/02/2024 15:12	WG2296810

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.51	U	0.548	1.00	1	06/03/2024 08:41	WG2297215
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 08:41	WG2297215
Benzene	0.0300	J	0.0160	0.0400	1	06/03/2024 08:41	WG2297215
Bromobenzene	U		0.0420	0.500	1	06/03/2024 08:41	WG2297215
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 08:41	WG2297215
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 08:41	WG2297215
Bromoform	U		0.239	1.00	1	06/03/2024 08:41	WG2297215
Bromomethane	U	UJ C3 JS	0.148	0.500	1	06/03/2024 08:41	WG2297215
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 08:41	WG2297215
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 08:41	WG2297215
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 08:41	WG2297215
Carbon disulfide	0.642		0.162	0.500	1	06/03/2024 08:41	WG2297215
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 08:41	WG2297215
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 08:41	WG2297215
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 08:41	WG2297215
Chloroethane	2.58	J- C3	0.0432	0.200	1	06/03/2024 08:41	WG2297215
Chloroform	U		0.0166	0.100	1	06/03/2024 08:41	WG2297215
Chloromethane	U		0.0556	0.500	1	06/03/2024 08:41	WG2297215
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 08:41	WG2297215
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 08:41	WG2297215
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 08:41	WG2297215
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 08:41	WG2297215
Dibromomethane	U		0.0400	0.200	1	06/03/2024 08:41	WG2297215
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 08:41	WG2297215
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 08:41	WG2297215
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 08:41	WG2297215
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2024 08:41	WG2297215
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 08:41	WG2297215
1,1-Dichloroethane	0.0270	J	0.0230	0.100	1	06/03/2024 08:41	WG2297215
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 08:41	WG2297215
1,1-Dichloroethene	7.02		0.0200	0.100	1	06/03/2024 08:41	WG2297215

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	4020		2.76	10.0	100	06/07/2024 13:55	WG2299617
trans-1,2-Dichloroethene	11.1		0.0572	0.200	1	06/03/2024 08:41	WG2297215
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 08:41	WG2297215
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 08:41	WG2297215
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 08:41	WG2297215
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 08:41	WG2297215
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 08:41	WG2297215
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 08:41	WG2297215
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 08:41	WG2297215
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 08:41	WG2297215
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 08:41	WG2297215
2-Hexanone	U		0.400	1.00	1	06/03/2024 08:41	WG2297215
n-Hexane	U		0.0424	0.200	1	06/03/2024 08:41	WG2297215
Iodomethane	U		0.242	0.500	1	06/03/2024 08:41	WG2297215
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 08:41	WG2297215
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 08:41	WG2297215
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 08:41	WG2297215
Methylene Chloride	U		0.265	1.00	1	06/03/2024 08:41	WG2297215
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 08:41	WG2297215
Methyl tert-butyl ether	0.0660		0.0118	0.0400	1	06/03/2024 08:41	WG2297215
Naphthalene	U		0.124	0.500	1	06/03/2024 08:41	WG2297215
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 08:41	WG2297215
Styrene	U		0.109	0.500	1	06/03/2024 08:41	WG2297215
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 08:41	WG2297215
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 08:41	WG2297215
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 08:41	WG2297215
Tetrachloroethene	60.3		0.0280	0.100	1	06/03/2024 08:41	WG2297215
Toluene	0.0970	U	0.0500	0.200	1	06/03/2024 08:41	WG2297215
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 08:41	WG2297215
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 08:41	WG2297215
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 08:41	WG2297215
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 08:41	WG2297215
Trichloroethene	158		1.60	4.00	100	06/07/2024 13:55	WG2299617
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2024 08:41	WG2297215
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 08:41	WG2297215
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 08:41	WG2297215
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 08:41	WG2297215
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 08:41	WG2297215
Vinyl acetate	U		0.141	0.500	1	06/03/2024 08:41	WG2297215
Vinyl chloride	464		2.73	10.0	100	06/07/2024 13:55	WG2299617
Xylenes, Total	U		0.191	0.260	1	06/03/2024 08:41	WG2297215
(S) Toluene-d8	98.4			75.0-131		06/03/2024 08:41	WG2297215
(S) Toluene-d8	100			75.0-131		06/07/2024 13:55	WG2299617
(S) 4-Bromofluorobenzene	104			67.0-138		06/03/2024 08:41	WG2297215
(S) 4-Bromofluorobenzene	99.7			67.0-138		06/07/2024 13:55	WG2299617
(S) 1,2-Dichloroethane-d4	99.7			70.0-130		06/03/2024 08:41	WG2297215
(S) 1,2-Dichloroethane-d4	91.8			70.0-130		06/07/2024 13:55	WG2299617

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	2690	J	594	5000	1	06/21/2024 06:31	WG2309140

1
Cp

2
Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	11500		102	1000	1	06/15/2024 02:53	WG2305121

3
Ss

4
Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	10900		140	500	5	06/26/2024 22:17	WG2298963
Manganese	2000		0.704	5.00	1	06/26/2024 18:38	WG2298963

5
Sr

6
Qc

7
Gl

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	29400		2.87	6.78	10	06/02/2024 17:39	WG2297153
Ethane	311		0.296	1.29	1	06/02/2024 15:18	WG2296810
Ethene	U		0.422	1.27	1	06/02/2024 15:18	WG2296810

8
Al

9
Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	06/03/2024 09:00	WG2297215
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 09:00	WG2297215
Benzene	0.0370	J	0.0160	0.0400	1	06/03/2024 09:00	WG2297215
Bromobenzene	U		0.0420	0.500	1	06/03/2024 09:00	WG2297215
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 09:00	WG2297215
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 09:00	WG2297215
Bromoform	U		0.239	1.00	1	06/03/2024 09:00	WG2297215
Bromomethane	U	UJ C3 J3	0.148	0.500	1	06/03/2024 09:00	WG2297215
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 09:00	WG2297215
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 09:00	WG2297215
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 09:00	WG2297215
Carbon disulfide	U		0.162	0.500	1	06/03/2024 09:00	WG2297215
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 09:00	WG2297215
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 09:00	WG2297215
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 09:00	WG2297215
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 09:00	WG2297215
Chloroform	U		0.0166	0.100	1	06/03/2024 09:00	WG2297215
Chloromethane	U		0.0556	0.500	1	06/03/2024 09:00	WG2297215
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 09:00	WG2297215
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 09:00	WG2297215
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 09:00	WG2297215
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 09:00	WG2297215
Dibromomethane	U		0.0400	0.200	1	06/03/2024 09:00	WG2297215
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 09:00	WG2297215
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 09:00	WG2297215
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 09:00	WG2297215
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2024 09:00	WG2297215
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 09:00	WG2297215
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 09:00	WG2297215
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 09:00	WG2297215
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 09:00	WG2297215

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.350		0.0276	0.100	1	06/07/2024 10:57	WG2299617
trans-1,2-Dichloroethene	0.466		0.0572	0.200	1	06/03/2024 09:00	WG2297215
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 09:00	WG2297215
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 09:00	WG2297215
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 09:00	WG2297215
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 09:00	WG2297215
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 09:00	WG2297215
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 09:00	WG2297215
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 09:00	WG2297215
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 09:00	WG2297215
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 09:00	WG2297215
2-Hexanone	U		0.400	1.00	1	06/03/2024 09:00	WG2297215
n-Hexane	U		0.0424	0.200	1	06/03/2024 09:00	WG2297215
Iodomethane	U		0.242	0.500	1	06/03/2024 09:00	WG2297215
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 09:00	WG2297215
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 09:00	WG2297215
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 09:00	WG2297215
Methylene Chloride	U		0.265	1.00	1	06/03/2024 09:00	WG2297215
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 09:00	WG2297215
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 09:00	WG2297215
Naphthalene	U		0.124	0.500	1	06/03/2024 09:00	WG2297215
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 09:00	WG2297215
Styrene	U		0.109	0.500	1	06/03/2024 09:00	WG2297215
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 09:00	WG2297215
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 09:00	WG2297215
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 09:00	WG2297215
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 09:00	WG2297215
Toluene	0.0770	U	0.0500	0.200	1	06/03/2024 09:00	WG2297215
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 09:00	WG2297215
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 09:00	WG2297215
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 09:00	WG2297215
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 09:00	WG2297215
Trichloroethene	0.113		0.0160	0.0400	1	06/07/2024 10:57	WG2299617
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2024 09:00	WG2297215
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 09:00	WG2297215
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 09:00	WG2297215
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 09:00	WG2297215
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 09:00	WG2297215
Vinyl acetate	U		0.141	0.500	1	06/03/2024 09:00	WG2297215
Vinyl chloride	0.0540	U	0.0273	0.100	1	06/07/2024 10:57	WG2299617
Xylenes, Total	U		0.191	0.260	1	06/03/2024 09:00	WG2297215
(S) Toluene-d8	100			75.0-131		06/03/2024 09:00	WG2297215
(S) Toluene-d8	99.7			75.0-131		06/07/2024 10:57	WG2299617
(S) 4-Bromofluorobenzene	103			67.0-138		06/03/2024 09:00	WG2297215
(S) 4-Bromofluorobenzene	102			67.0-138		06/07/2024 10:57	WG2299617
(S) 1,2-Dichloroethane-d4	97.9			70.0-130		06/03/2024 09:00	WG2297215
(S) 1,2-Dichloroethane-d4	90.9			70.0-130		06/07/2024 10:57	WG2299617

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	16800		594	5000	1	06/20/2024 00:12	WG2305180

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	10100		102	1000	1	06/15/2024 03:23	WG2305121

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	6420		140	500	5	06/26/2024 22:20	WG2298963
Manganese	644		0.704	5.00	1	06/26/2024 18:42	WG2298963

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	1520		0.287	0.678	1	06/02/2024 15:24	WG2296810
Ethane	36.2		0.296	1.29	1	06/02/2024 15:24	WG2296810
Ethene	1.49		0.422	1.27	1	06/02/2024 15:24	WG2296810

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	06/03/2024 09:19	WG2297215
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 09:19	WG2297215
Benzene	U		0.0160	0.0400	1	06/03/2024 09:19	WG2297215
Bromobenzene	U		0.0420	0.500	1	06/03/2024 09:19	WG2297215
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 09:19	WG2297215
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 09:19	WG2297215
Bromoform	U		0.239	1.00	1	06/03/2024 09:19	WG2297215
Bromomethane	U	UJ C3 J3	0.148	0.500	1	06/03/2024 09:19	WG2297215
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 09:19	WG2297215
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 09:19	WG2297215
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 09:19	WG2297215
Carbon disulfide	U		0.162	0.500	1	06/03/2024 09:19	WG2297215
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 09:19	WG2297215
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 09:19	WG2297215
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 09:19	WG2297215
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 09:19	WG2297215
Chloroform	U		0.0166	0.100	1	06/03/2024 09:19	WG2297215
Chloromethane	U		0.0556	0.500	1	06/03/2024 09:19	WG2297215
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 09:19	WG2297215
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 09:19	WG2297215
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 09:19	WG2297215
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 09:19	WG2297215
Dibromomethane	U		0.0400	0.200	1	06/03/2024 09:19	WG2297215
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 09:19	WG2297215
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 09:19	WG2297215
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 09:19	WG2297215
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2024 09:19	WG2297215
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 09:19	WG2297215
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 09:19	WG2297215
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 09:19	WG2297215
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 09:19	WG2297215

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.472		0.0276	0.100	1	06/07/2024 11:17	WG2299617
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2024 09:19	WG2297215
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 09:19	WG2297215
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 09:19	WG2297215
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 09:19	WG2297215
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 09:19	WG2297215
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 09:19	WG2297215
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 09:19	WG2297215
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 09:19	WG2297215
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 09:19	WG2297215
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 09:19	WG2297215
2-Hexanone	U		0.400	1.00	1	06/03/2024 09:19	WG2297215
n-Hexane	U		0.0424	0.200	1	06/03/2024 09:19	WG2297215
Iodomethane	U		0.242	0.500	1	06/03/2024 09:19	WG2297215
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 09:19	WG2297215
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 09:19	WG2297215
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 09:19	WG2297215
Methylene Chloride	U		0.265	1.00	1	06/03/2024 09:19	WG2297215
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 09:19	WG2297215
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 09:19	WG2297215
Naphthalene	U		0.124	0.500	1	06/03/2024 09:19	WG2297215
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 09:19	WG2297215
Styrene	U		0.109	0.500	1	06/03/2024 09:19	WG2297215
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 09:19	WG2297215
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 09:19	WG2297215
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 09:19	WG2297215
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 09:19	WG2297215
Toluene	U		0.0500	0.200	1	06/03/2024 09:19	WG2297215
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 09:19	WG2297215
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 09:19	WG2297215
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 09:19	WG2297215
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 09:19	WG2297215
Trichloroethene	0.0440		0.0160	0.0400	1	06/03/2024 09:19	WG2297215
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2024 09:19	WG2297215
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 09:19	WG2297215
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 09:19	WG2297215
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 09:19	WG2297215
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 09:19	WG2297215
Vinyl acetate	U		0.141	0.500	1	06/03/2024 09:19	WG2297215
Vinyl chloride	0.324		0.0273	0.100	1	06/03/2024 09:19	WG2297215
Xylenes, Total	U		0.191	0.260	1	06/03/2024 09:19	WG2297215
(S) Toluene-d8	101			75.0-131		06/03/2024 09:19	WG2297215
(S) Toluene-d8	100			75.0-131		06/07/2024 11:17	WG2299617
(S) 4-Bromofluorobenzene	103			67.0-138		06/03/2024 09:19	WG2297215
(S) 4-Bromofluorobenzene	101			67.0-138		06/07/2024 11:17	WG2299617
(S) 1,2-Dichloroethane-d4	97.4			70.0-130		06/03/2024 09:19	WG2297215
(S) 1,2-Dichloroethane-d4	89.8			70.0-130		06/07/2024 11:17	WG2299617

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	2520	J	594	5000	1	06/21/2024 07:19	WG2309140

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	26000		102	1000	1	06/14/2024 17:39	WG2305123

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	22200		281	1000	10	06/26/2024 22:24	WG2298963
Manganese	2690		0.704	5.00	1	06/26/2024 18:46	WG2298963

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	14500		2.87	6.78	10	06/02/2024 17:50	WG2297153
Ethane	45.8		0.296	1.29	1	06/02/2024 15:33	WG2296810
Ethene	4.34		0.422	1.27	1	06/02/2024 15:33	WG2296810

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.81	U	0.548	1.00	1	06/03/2024 09:38	WG2297215
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 09:38	WG2297215
Benzene	0.0720		0.0160	0.0400	1	06/03/2024 09:38	WG2297215
Bromobenzene	U		0.0420	0.500	1	06/03/2024 09:38	WG2297215
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 09:38	WG2297215
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 09:38	WG2297215
Bromoform	U		0.239	1.00	1	06/03/2024 09:38	WG2297215
Bromomethane	U	UJ C3 J3	0.148	0.500	1	06/03/2024 09:38	WG2297215
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 09:38	WG2297215
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 09:38	WG2297215
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 09:38	WG2297215
Carbon disulfide	U		0.162	0.500	1	06/03/2024 09:38	WG2297215
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 09:38	WG2297215
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 09:38	WG2297215
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 09:38	WG2297215
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 09:38	WG2297215
Chloroform	U		0.0166	0.100	1	06/03/2024 09:38	WG2297215
Chloromethane	U		0.0556	0.500	1	06/03/2024 09:38	WG2297215
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 09:38	WG2297215
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 09:38	WG2297215
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 09:38	WG2297215
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 09:38	WG2297215
Dibromomethane	U		0.0400	0.200	1	06/03/2024 09:38	WG2297215
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 09:38	WG2297215
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 09:38	WG2297215
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 09:38	WG2297215
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2024 09:38	WG2297215
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 09:38	WG2297215
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 09:38	WG2297215
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 09:38	WG2297215
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 09:38	WG2297215

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.655		0.0276	0.100	1	06/07/2024 11:37	WG2299617
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2024 09:38	WG2297215
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 09:38	WG2297215
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 09:38	WG2297215
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 09:38	WG2297215
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 09:38	WG2297215
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 09:38	WG2297215
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 09:38	WG2297215
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 09:38	WG2297215
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 09:38	WG2297215
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 09:38	WG2297215
2-Hexanone	U		0.400	1.00	1	06/03/2024 09:38	WG2297215
n-Hexane	U		0.0424	0.200	1	06/03/2024 09:38	WG2297215
Iodomethane	U		0.242	0.500	1	06/03/2024 09:38	WG2297215
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 09:38	WG2297215
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 09:38	WG2297215
2-Butanone (MEK)	1.26	J+ C5	0.500	1.00	1	06/03/2024 09:38	WG2297215
Methylene Chloride	U		0.265	1.00	1	06/03/2024 09:38	WG2297215
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 09:38	WG2297215
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 09:38	WG2297215
Naphthalene	U		0.124	0.500	1	06/03/2024 09:38	WG2297215
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 09:38	WG2297215
Styrene	U		0.109	0.500	1	06/03/2024 09:38	WG2297215
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 09:38	WG2297215
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 09:38	WG2297215
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 09:38	WG2297215
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 09:38	WG2297215
Toluene	U		0.0500	0.200	1	06/03/2024 09:38	WG2297215
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 09:38	WG2297215
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 09:38	WG2297215
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 09:38	WG2297215
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 09:38	WG2297215
Trichloroethene	0.0710		0.0160	0.0400	1	06/03/2024 09:38	WG2297215
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2024 09:38	WG2297215
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 09:38	WG2297215
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 09:38	WG2297215
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 09:38	WG2297215
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 09:38	WG2297215
Vinyl acetate	U		0.141	0.500	1	06/03/2024 09:38	WG2297215
Vinyl chloride	0.583		0.0273	0.100	1	06/03/2024 09:38	WG2297215
Xylenes, Total	U		0.191	0.260	1	06/03/2024 09:38	WG2297215
(S) Toluene-d8	99.4			75.0-131		06/03/2024 09:38	WG2297215
(S) Toluene-d8	102			75.0-131		06/07/2024 11:37	WG2299617
(S) 4-Bromofluorobenzene	103			67.0-138		06/03/2024 09:38	WG2297215
(S) 4-Bromofluorobenzene	98.5			67.0-138		06/07/2024 11:37	WG2299617
(S) 1,2-Dichloroethane-d4	98.2			70.0-130		06/03/2024 09:38	WG2297215
(S) 1,2-Dichloroethane-d4	88.6			70.0-130		06/07/2024 11:37	WG2299617

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	2530	J	594	5000	1	06/21/2024 07:35	WG2309140

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	7040		102	1000	1	06/14/2024 18:21	WG2305123

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	3660		28.1	100	1	06/26/2024 18:50	WG2298963
Manganese	1100		0.704	5.00	1	06/26/2024 18:50	WG2298963

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	17500		2.87	6.78	10	06/02/2024 17:55	WG2297153
Ethane	413		0.296	1.29	1	06/02/2024 15:41	WG2296810
Ethene	U		0.422	1.27	1	06/02/2024 15:41	WG2296810

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	06/03/2024 09:58	WG2297215
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 09:58	WG2297215
Benzene	U		0.0160	0.0400	1	06/03/2024 09:58	WG2297215
Bromobenzene	U		0.0420	0.500	1	06/03/2024 09:58	WG2297215
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 09:58	WG2297215
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 09:58	WG2297215
Bromoform	U		0.239	1.00	1	06/03/2024 09:58	WG2297215
Bromomethane	U	UJ C3	0.148	0.500	1	06/03/2024 09:58	WG2297215
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 09:58	WG2297215
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 09:58	WG2297215
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 09:58	WG2297215
Carbon disulfide	U		0.162	0.500	1	06/03/2024 09:58	WG2297215
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 09:58	WG2297215
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 09:58	WG2297215
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 09:58	WG2297215
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 09:58	WG2297215
Chloroform	U		0.0166	0.100	1	06/03/2024 09:58	WG2297215
Chloromethane	U		0.0556	0.500	1	06/03/2024 09:58	WG2297215
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 09:58	WG2297215
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 09:58	WG2297215
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 09:58	WG2297215
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 09:58	WG2297215
Dibromomethane	U		0.0400	0.200	1	06/03/2024 09:58	WG2297215
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 09:58	WG2297215
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 09:58	WG2297215
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 09:58	WG2297215
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/03/2024 09:58	WG2297215
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 09:58	WG2297215
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 09:58	WG2297215
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 09:58	WG2297215
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 09:58	WG2297215

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.0750	J	0.0276	0.100	1	06/07/2024 11:57	WG2299617
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2024 09:58	WG2297215
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 09:58	WG2297215
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 09:58	WG2297215
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 09:58	WG2297215
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 09:58	WG2297215
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 09:58	WG2297215
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 09:58	WG2297215
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 09:58	WG2297215
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 09:58	WG2297215
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/03/2024 09:58	WG2297215
2-Hexanone	U		0.400	1.00	1	06/03/2024 09:58	WG2297215
n-Hexane	U		0.0424	0.200	1	06/03/2024 09:58	WG2297215
Iodomethane	U		0.242	0.500	1	06/03/2024 09:58	WG2297215
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 09:58	WG2297215
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 09:58	WG2297215
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 09:58	WG2297215
Methylene Chloride	U		0.265	1.00	1	06/03/2024 09:58	WG2297215
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 09:58	WG2297215
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 09:58	WG2297215
Naphthalene	U		0.124	0.500	1	06/03/2024 09:58	WG2297215
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 09:58	WG2297215
Styrene	U		0.109	0.500	1	06/03/2024 09:58	WG2297215
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 09:58	WG2297215
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 09:58	WG2297215
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 09:58	WG2297215
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 09:58	WG2297215
Toluene	0.0700	J	0.0500	0.200	1	06/03/2024 09:58	WG2297215
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/03/2024 09:58	WG2297215
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/03/2024 09:58	WG2297215
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 09:58	WG2297215
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 09:58	WG2297215
Trichloroethene	U		0.0160	0.0400	1	06/03/2024 09:58	WG2297215
Trichlorofluoromethane	U		0.0200	0.100	1	06/03/2024 09:58	WG2297215
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 09:58	WG2297215
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 09:58	WG2297215
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 09:58	WG2297215
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 09:58	WG2297215
Vinyl acetate	U		0.141	0.500	1	06/03/2024 09:58	WG2297215
Vinyl chloride	U		0.0273	0.100	1	06/03/2024 09:58	WG2297215
Xylenes, Total	U		0.191	0.260	1	06/03/2024 09:58	WG2297215
(S) Toluene-d8	101			75.0-131		06/03/2024 09:58	WG2297215
(S) Toluene-d8	101			75.0-131		06/07/2024 11:57	WG2299617
(S) 4-Bromofluorobenzene	103			67.0-138		06/03/2024 09:58	WG2297215
(S) 4-Bromofluorobenzene	100			67.0-138		06/07/2024 11:57	WG2299617
(S) 1,2-Dichloroethane-d4	96.5			70.0-130		06/03/2024 09:58	WG2297215
(S) 1,2-Dichloroethane-d4	91.1			70.0-130		06/07/2024 11:57	WG2299617

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	1040	J	594	5000	1	06/19/2024 15:45	WG2306750

1
Cp

2
Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	14200		102	1000	1	06/14/2024 20:21	WG2305123

3
Ss

4
Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	4030		28.1	100	1	06/26/2024 19:18	WG2298963
Manganese	785		0.704	5.00	1	06/26/2024 19:18	WG2298963

5
Sr

6
Qc

7
Gl

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	29500		2.87	6.78	10	06/03/2024 16:03	WG2297638
Ethane	204		0.296	1.29	1	06/03/2024 11:50	WG2296812
Ethene	55.0		0.422	1.27	1	06/03/2024 11:50	WG2296812

8
Al

9
Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	06/03/2024 09:09	WG2297221
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 09:09	WG2297221
Benzene	0.0960		0.0160	0.0400	1	06/03/2024 09:09	WG2297221
Bromobenzene	U		0.0420	0.500	1	06/03/2024 09:09	WG2297221
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 09:09	WG2297221
Bromoform	U		0.239	1.00	1	06/03/2024 09:09	WG2297221
Bromomethane	U	UJ C3 J4	0.148	0.500	1	06/03/2024 09:09	WG2297221
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 09:09	WG2297221
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 09:09	WG2297221
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 09:09	WG2297221
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 09:09	WG2297221
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 09:09	WG2297221
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 09:09	WG2297221
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 09:09	WG2297221
Chloroform	U		0.0166	0.100	1	06/03/2024 09:09	WG2297221
Chloromethane	U		0.0556	0.500	1	06/03/2024 09:09	WG2297221
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 09:09	WG2297221
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 09:09	WG2297221
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 09:09	WG2297221
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 09:09	WG2297221
Dibromomethane	U		0.0400	0.200	1	06/03/2024 09:09	WG2297221
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 09:09	WG2297221
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 09:09	WG2297221
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 09:09	WG2297221
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 09:09	WG2297221
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 09:09	WG2297221
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 09:09	WG2297221
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 09:09	WG2297221
cis-1,2-Dichloroethene	0.0410	J	0.0276	0.100	1	06/03/2024 09:09	WG2297221
trans-1,2-Dichloroethene	0.153	J	0.0572	0.200	1	06/03/2024 09:09	WG2297221
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 09:09	WG2297221

JC 07/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 09:09	WG2297221
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 09:09	WG2297221
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 09:09	WG2297221
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 09:09	WG2297221
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 09:09	WG2297221
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 09:09	WG2297221
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 09:09	WG2297221
Hexachloro-1,3-butadiene	U	~~J3~~	0.508	1.00	1	06/03/2024 09:09	WG2297221
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 09:09	WG2297221
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 09:09	WG2297221
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 09:09	WG2297221
Methylene Chloride	U		0.265	1.00	1	06/03/2024 09:09	WG2297221
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 09:09	WG2297221
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 09:09	WG2297221
Naphthalene	U	~~J3~~	0.124	0.500	1	06/03/2024 09:09	WG2297221
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 09:09	WG2297221
Styrene	U		0.109	0.500	1	06/03/2024 09:09	WG2297221
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 09:09	WG2297221
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 09:09	WG2297221
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 09:09	WG2297221
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 09:09	WG2297221
Toluene	U		0.0500	0.200	1	06/03/2024 09:09	WG2297221
1,2,3-Trichlorobenzene	U	~~J3 J4~~	0.0250	0.500	1	06/03/2024 09:09	WG2297221
1,2,4-Trichlorobenzene	U	~~J3~~	0.193	0.500	1	06/03/2024 09:09	WG2297221
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 09:09	WG2297221
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 09:09	WG2297221
Trichloroethene	0.0320	~~J~~	0.0160	0.0400	1	06/03/2024 09:09	WG2297221
Trichlorofluoromethane	U	~~UJ~~ ~~C3~~	0.0200	0.100	1	06/03/2024 09:09	WG2297221
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 09:09	WG2297221
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 09:09	WG2297221
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 09:09	WG2297221
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 09:09	WG2297221
Vinyl chloride	0.822		0.0273	0.100	1	06/03/2024 09:09	WG2297221
Xylenes, Total	U		0.191	0.260	1	06/03/2024 09:09	WG2297221
Ethyl Ether	U		0.0170	0.100	1	06/03/2024 09:09	WG2297221
Tetrahydrofuran	3.38		0.0900	0.500	1	06/03/2024 09:09	WG2297221
Iodomethane	U		0.242	0.500	1	06/03/2024 09:09	WG2297221
Allyl chloride	U		0.580	1.00	1	06/03/2024 09:09	WG2297221
Trans-1,4-Dichloro-2-butene	U	~~UJ~~ ~~C3 J3~~	0.0560	0.200	1	06/03/2024 09:09	WG2297221
(S) Toluene-d8	97.3			75.0-131		06/03/2024 09:09	WG2297221
(S) 4-Bromofluorobenzene	94.3			67.0-138		06/03/2024 09:09	WG2297221
(S) 1,2-Dichloroethane-d4	100			70.0-130		06/03/2024 09:09	WG2297221

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 07/10/24

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Sulfate	7340		594	5000	1	06/19/2024 16:12	WG2306750

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9060A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	15900		102	1000	1	06/14/2024 20:42	WG2305123

Metals (ICPMS) by Method 6020B

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Iron	2640		28.1	100	1	06/26/2024 19:21	WG2298963
Manganese	1430		0.704	5.00	1	06/26/2024 19:21	WG2298963

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Methane	23600		2.87	6.78	10	06/03/2024 16:08	WG2297638
Ethane	22.6		0.296	1.29	1	06/03/2024 12:06	WG2296812
Ethene	552		0.422	1.27	1	06/03/2024 12:06	WG2296812

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

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
Analyte	ug/l		ug/l	ug/l		date / time		
Acetone	U		110	200	200	06/03/2024 13:38	WG2297221	
Acrylonitrile	U		15.2	100	200	06/03/2024 13:38	WG2297221	
Benzene	U		3.20	8.00	200	06/03/2024 13:38	WG2297221	
Bromobenzene	U		8.40	100	200	06/03/2024 13:38	WG2297221	
Bromodichloromethane	U		6.30	20.0	200	06/03/2024 13:38	WG2297221	
Bromoform	U		47.8	200	200	06/03/2024 13:38	WG2297221	
Bromomethane	U	UJ	C3 J4	29.6	100	200	06/03/2024 13:38	WG2297221
n-Butylbenzene	U		30.6	100	200	06/03/2024 13:38	WG2297221	
sec-Butylbenzene	U		20.2	100	200	06/03/2024 13:38	WG2297221	
tert-Butylbenzene	U		12.4	40.0	200	06/03/2024 13:38	WG2297221	
Carbon tetrachloride	U		8.64	40.0	200	06/03/2024 13:38	WG2297221	
Chlorobenzene	U		4.58	20.0	200	06/03/2024 13:38	WG2297221	
Chlorodibromomethane	U		3.60	20.0	200	06/03/2024 13:38	WG2297221	
Chloroethane	U	UJ	C3	8.64	40.0	200	06/03/2024 13:38	WG2297221
Chloroform	U		3.32	20.0	200	06/03/2024 13:38	WG2297221	
Chloromethane	U		11.1	100	200	06/03/2024 13:38	WG2297221	
2-Chlorotoluene	U		7.36	20.0	200	06/03/2024 13:38	WG2297221	
4-Chlorotoluene	U		9.04	40.0	200	06/03/2024 13:38	WG2297221	
1,2-Dibromo-3-Chloropropane	U		40.8	200	200	06/03/2024 13:38	WG2297221	
1,2-Dibromoethane	U		4.20	20.0	200	06/03/2024 13:38	WG2297221	
Dibromomethane	U		8.00	40.0	200	06/03/2024 13:38	WG2297221	
1,2-Dichlorobenzene	U		11.6	40.0	200	06/03/2024 13:38	WG2297221	
1,3-Dichlorobenzene	U		13.6	40.0	200	06/03/2024 13:38	WG2297221	
1,4-Dichlorobenzene	U		15.8	40.0	200	06/03/2024 13:38	WG2297221	
Dichlorodifluoromethane	U		6.54	40.0	200	06/03/2024 13:38	WG2297221	
1,1-Dichloroethane	U		4.60	20.0	200	06/03/2024 13:38	WG2297221	
1,2-Dichloroethane	U		3.80	20.0	200	06/03/2024 13:38	WG2297221	
1,1-Dichloroethene	40.4		4.00	20.0	200	06/03/2024 13:38	WG2297221	
cis-1,2-Dichloroethene	10200		5.52	20.0	200	06/03/2024 13:38	WG2297221	
trans-1,2-Dichloroethene	256		11.4	40.0	200	06/03/2024 13:38	WG2297221	
1,2-Dichloropropane	U		10.2	40.0	200	06/03/2024 13:38	WG2297221	

JC 07/10/24

JC 07/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		5.60	20.0	200	06/03/2024 13:38	WG2297221
1,3-Dichloropropane	U		14.0	40.0	200	06/03/2024 13:38	WG2297221
cis-1,3-Dichloropropene	U		5.42	20.0	200	06/03/2024 13:38	WG2297221
trans-1,3-Dichloropropene	U		12.2	40.0	200	06/03/2024 13:38	WG2297221
2,2-Dichloropropane	U		6.34	20.0	200	06/03/2024 13:38	WG2297221
Di-isopropyl ether	U		2.80	8.00	200	06/03/2024 13:38	WG2297221
Ethylbenzene	U		4.24	20.0	200	06/03/2024 13:38	WG2297221
Hexachloro-1,3-butadiene	U	~~J3~~	102	200	200	06/03/2024 13:38	WG2297221
Isopropylbenzene	U		6.90	20.0	200	06/03/2024 13:38	WG2297221
p-Isopropyltoluene	U		18.6	40.0	200	06/03/2024 13:38	WG2297221
2-Butanone (MEK)	U		100	200	200	06/03/2024 13:38	WG2297221
Methylene Chloride	U		53.0	200	200	06/03/2024 13:38	WG2297221
4-Methyl-2-pentanone (MIBK)	U		80.0	200	200	06/03/2024 13:38	WG2297221
Methyl tert-butyl ether	U		2.36	8.00	200	06/03/2024 13:38	WG2297221
Naphthalene	U	~~J3~~	24.8	100	200	06/03/2024 13:38	WG2297221
n-Propylbenzene	U		9.44	40.0	200	06/03/2024 13:38	WG2297221
Styrene	U		21.8	100	200	06/03/2024 13:38	WG2297221
1,1,1,2-Tetrachloroethane	U		4.00	20.0	200	06/03/2024 13:38	WG2297221
1,1,2,2-Tetrachloroethane	U		3.12	20.0	200	06/03/2024 13:38	WG2297221
1,1,2-Trichlorotrifluoroethane	U		5.40	20.0	200	06/03/2024 13:38	WG2297221
Tetrachloroethene	19.8	J	5.60	20.0	200	06/03/2024 13:38	WG2297221
Toluene	U		10.0	40.0	200	06/03/2024 13:38	WG2297221
1,2,3-Trichlorobenzene	U	~~J3 J4~~	5.00	100	200	06/03/2024 13:38	WG2297221
1,2,4-Trichlorobenzene	U	~~J3~~	38.6	100	200	06/03/2024 13:38	WG2297221
1,1,1-Trichloroethane	U		2.20	20.0	200	06/03/2024 13:38	WG2297221
1,1,2-Trichloroethane	U		7.06	20.0	200	06/03/2024 13:38	WG2297221
Trichloroethene	51.4		3.20	8.00	200	06/03/2024 13:38	WG2297221
Trichlorofluoromethane	U	UJ C3	4.00	20.0	200	06/03/2024 13:38	WG2297221
1,2,3-Trichloropropane	U		40.8	100	200	06/03/2024 13:38	WG2297221
1,2,4-Trimethylbenzene	U		9.28	40.0	200	06/03/2024 13:38	WG2297221
1,2,3-Trimethylbenzene	U		9.20	40.0	200	06/03/2024 13:38	WG2297221
1,3,5-Trimethylbenzene	U		8.64	40.0	200	06/03/2024 13:38	WG2297221
Vinyl chloride	11800		5.46	20.0	200	06/03/2024 13:38	WG2297221
Xylenes, Total	U		38.2	52.0	200	06/03/2024 13:38	WG2297221
Ethyl Ether	U		3.40	20.0	200	06/03/2024 13:38	WG2297221
Tetrahydrofuran	U		18.0	100	200	06/03/2024 13:38	WG2297221
Iodomethane	U		48.4	100	200	06/03/2024 13:38	WG2297221
Allyl chloride	U		116	200	200	06/03/2024 13:38	WG2297221
Trans-1,4-Dichloro-2-butene	U	UJ C3 J3	11.2	40.0	200	06/03/2024 13:38	WG2297221
(S) Toluene-d8	99.6			75.0-131		06/03/2024 13:38	WG2297221
(S) 4-Bromofluorobenzene	98.4			67.0-138		06/03/2024 13:38	WG2297221
(S) 1,2-Dichloroethane-d4	96.6			70.0-130		06/03/2024 13:38	WG2297221

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Sulfate	12000		594	5000	1	06/19/2024 16:38	WG2306750

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Wet Chemistry by Method 9060A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	6950		102	1000	1	06/14/2024 21:03	WG2305123

Metals (ICPMS) by Method 6020B

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Iron	1680		28.1	100	1	06/26/2024 19:24	WG2298963
Manganese	585		0.704	5.00	1	06/26/2024 19:24	WG2298963

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Methane	6610		0.287	0.678	1	06/03/2024 12:11	WG2296812
Ethane	20.4		0.296	1.29	1	06/03/2024 12:11	WG2296812
Ethene	706		0.422	1.27	1	06/03/2024 12:11	WG2296812

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

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Acetone	U		137	250	250	06/03/2024 13:57	WG2297221
Acrylonitrile	U		19.0	125	250	06/03/2024 13:57	WG2297221
Benzene	U		4.00	10.0	250	06/03/2024 13:57	WG2297221
Bromobenzene	U		10.5	125	250	06/03/2024 13:57	WG2297221
Bromodichloromethane	U		7.88	25.0	250	06/03/2024 13:57	WG2297221
Bromoform	U		59.8	250	250	06/03/2024 13:57	WG2297221
Bromomethane	U	UJ C3 J4	37.0	125	250	06/03/2024 13:57	WG2297221
n-Butylbenzene	U		38.3	125	250	06/03/2024 13:57	WG2297221
sec-Butylbenzene	U		25.3	125	250	06/03/2024 13:57	WG2297221
tert-Butylbenzene	U		15.5	50.0	250	06/03/2024 13:57	WG2297221
Carbon tetrachloride	U		10.8	50.0	250	06/03/2024 13:57	WG2297221
Chlorobenzene	U		5.73	25.0	250	06/03/2024 13:57	WG2297221
Chlorodibromomethane	U		4.50	25.0	250	06/03/2024 13:57	WG2297221
Chloroethane	U	UJ C3	10.8	50.0	250	06/03/2024 13:57	WG2297221
Chloroform	U		4.15	25.0	250	06/03/2024 13:57	WG2297221
Chloromethane	U		13.9	125	250	06/03/2024 13:57	WG2297221
2-Chlorotoluene	U		9.20	25.0	250	06/03/2024 13:57	WG2297221
4-Chlorotoluene	U		11.3	50.0	250	06/03/2024 13:57	WG2297221
1,2-Dibromo-3-Chloropropane	U		51.0	250	250	06/03/2024 13:57	WG2297221
1,2-Dibromoethane	U		5.25	25.0	250	06/03/2024 13:57	WG2297221
Dibromomethane	U		10.0	50.0	250	06/03/2024 13:57	WG2297221
1,2-Dichlorobenzene	U		14.5	50.0	250	06/03/2024 13:57	WG2297221
1,3-Dichlorobenzene	U		17.0	50.0	250	06/03/2024 13:57	WG2297221
1,4-Dichlorobenzene	U		19.7	50.0	250	06/03/2024 13:57	WG2297221
Dichlorodifluoromethane	U		8.18	50.0	250	06/03/2024 13:57	WG2297221
1,1-Dichloroethane	U		5.75	25.0	250	06/03/2024 13:57	WG2297221
1,2-Dichloroethane	U		4.75	25.0	250	06/03/2024 13:57	WG2297221
1,1-Dichloroethene	70.7		5.00	25.0	250	06/03/2024 13:57	WG2297221
cis-1,2-Dichloroethene	7000		6.90	25.0	250	06/03/2024 13:57	WG2297221
trans-1,2-Dichloroethene	19.8	J	14.3	50.0	250	06/03/2024 13:57	WG2297221
1,2-Dichloropropane	U		12.7	50.0	250	06/03/2024 13:57	WG2297221

JC 07/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloropropene	U		7.00	25.0	250	06/03/2024 13:57	WG2297221
1,3-Dichloropropane	U		17.5	50.0	250	06/03/2024 13:57	WG2297221
cis-1,3-Dichloropropene	U		6.78	25.0	250	06/03/2024 13:57	WG2297221
trans-1,3-Dichloropropene	U		15.3	50.0	250	06/03/2024 13:57	WG2297221
2,2-Dichloropropane	U		7.93	25.0	250	06/03/2024 13:57	WG2297221
Di-isopropyl ether	U		3.50	10.0	250	06/03/2024 13:57	WG2297221
Ethylbenzene	U		5.30	25.0	250	06/03/2024 13:57	WG2297221
Hexachloro-1,3-butadiene	U	~~J3~~	127	250	250	06/03/2024 13:57	WG2297221
Isopropylbenzene	U		8.63	25.0	250	06/03/2024 13:57	WG2297221
p-Isopropyltoluene	U		23.3	50.0	250	06/03/2024 13:57	WG2297221
2-Butanone (MEK)	U		125	250	250	06/03/2024 13:57	WG2297221
Methylene Chloride	U		66.3	250	250	06/03/2024 13:57	WG2297221
4-Methyl-2-pentanone (MIBK)	U		100	250	250	06/03/2024 13:57	WG2297221
Methyl tert-butyl ether	U		2.95	10.0	250	06/03/2024 13:57	WG2297221
Naphthalene	U	~~J3~~	31.0	125	250	06/03/2024 13:57	WG2297221
n-Propylbenzene	U		11.8	50.0	250	06/03/2024 13:57	WG2297221
Styrene	U		27.3	125	250	06/03/2024 13:57	WG2297221
1,1,1,2-Tetrachloroethane	U		5.00	25.0	250	06/03/2024 13:57	WG2297221
1,1,2,2-Tetrachloroethane	U		3.90	25.0	250	06/03/2024 13:57	WG2297221
1,1,2-Trichlorotrifluoroethane	U		6.75	25.0	250	06/03/2024 13:57	WG2297221
Tetrachloroethene	60.3		7.00	25.0	250	06/03/2024 13:57	WG2297221
Toluene	U		12.5	50.0	250	06/03/2024 13:57	WG2297221
1,2,3-Trichlorobenzene	U	~~J3 J4~~	6.25	125	250	06/03/2024 13:57	WG2297221
1,2,4-Trichlorobenzene	U	~~J3~~	48.3	125	250	06/03/2024 13:57	WG2297221
1,1,1-Trichloroethane	U		2.75	25.0	250	06/03/2024 13:57	WG2297221
1,1,2-Trichloroethane	U		8.83	25.0	250	06/03/2024 13:57	WG2297221
Trichloroethene	211		4.00	10.0	250	06/03/2024 13:57	WG2297221
Trichlorofluoromethane	U	UJ ~~C3~~	5.00	25.0	250	06/03/2024 13:57	WG2297221
1,2,3-Trichloropropane	U		51.0	125	250	06/03/2024 13:57	WG2297221
1,2,4-Trimethylbenzene	U		11.6	50.0	250	06/03/2024 13:57	WG2297221
1,2,3-Trimethylbenzene	U		11.5	50.0	250	06/03/2024 13:57	WG2297221
1,3,5-Trimethylbenzene	U		10.8	50.0	250	06/03/2024 13:57	WG2297221
Vinyl chloride	2250		6.82	25.0	250	06/03/2024 13:57	WG2297221
Xylenes, Total	U		47.8	65.0	250	06/03/2024 13:57	WG2297221
Ethyl Ether	U		4.25	25.0	250	06/03/2024 13:57	WG2297221
Tetrahydrofuran	U		22.5	125	250	06/03/2024 13:57	WG2297221
Iodomethane	U		60.5	125	250	06/03/2024 13:57	WG2297221
Allyl chloride	U		145	250	250	06/03/2024 13:57	WG2297221
Trans-1,4-Dichloro-2-butene	U	UJ ~~C3 J3~~	14.0	50.0	250	06/03/2024 13:57	WG2297221
(S) Toluene-d8	101			75.0-131		06/03/2024 13:57	WG2297221
(S) 4-Bromofluorobenzene	98.6			67.0-138		06/03/2024 13:57	WG2297221
(S) 1,2-Dichloroethane-d4	93.3			70.0-130		06/03/2024 13:57	WG2297221



JC 07/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	24000		594	5000	1	06/19/2024 17:05	WG2306750

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	6860		102	1000	1	06/14/2024 21:24	WG2305123

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	3580		28.1	100	1	06/26/2024 19:28	WG2298963
Manganese	1800		0.704	5.00	1	06/26/2024 19:28	WG2298963

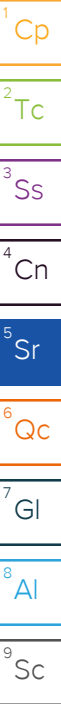
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	11100		2.87	6.78	10	06/03/2024 16:15	WG2297638
Ethane	17.1		0.296	1.29	1	06/03/2024 12:17	WG2296812
Ethene	11.5		0.422	1.27	1	06/03/2024 12:17	WG2296812

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	18.0	J	13.7	25.0	25	06/06/2024 00:11	WG2298944
Acrylonitrile	U		1.90	12.5	25	06/06/2024 00:11	WG2298944
Benzene	U		0.400	1.00	25	06/06/2024 00:11	WG2298944
Bromobenzene	U		1.05	12.5	25	06/06/2024 00:11	WG2298944
Bromodichloromethane	U		0.788	2.50	25	06/06/2024 00:11	WG2298944
Bromoform	U		5.98	25.0	25	06/06/2024 00:11	WG2298944
Bromomethane	U		3.70	12.5	25	06/06/2024 00:11	WG2298944
n-Butylbenzene	U		3.83	12.5	25	06/06/2024 00:11	WG2298944
sec-Butylbenzene	U		2.53	12.5	25	06/06/2024 00:11	WG2298944
tert-Butylbenzene	U		1.55	5.00	25	06/06/2024 00:11	WG2298944
Carbon tetrachloride	U		1.08	5.00	25	06/06/2024 00:11	WG2298944
Chlorobenzene	U		0.573	2.50	25	06/06/2024 00:11	WG2298944
Chlorodibromomethane	U		0.450	2.50	25	06/06/2024 00:11	WG2298944
Chloroethane	U		1.08	5.00	25	06/06/2024 00:11	WG2298944
Chloroform	U		0.415	2.50	25	06/06/2024 00:11	WG2298944
Chloromethane	U		1.39	12.5	25	06/06/2024 00:11	WG2298944
2-Chlorotoluene	U		0.920	2.50	25	06/06/2024 00:11	WG2298944
4-Chlorotoluene	U		1.13	5.00	25	06/06/2024 00:11	WG2298944
1,2-Dibromo-3-Chloropropane	U		5.10	25.0	25	06/06/2024 00:11	WG2298944
1,2-Dibromoethane	U		0.525	2.50	25	06/06/2024 00:11	WG2298944
Dibromomethane	U		1.00	5.00	25	06/06/2024 00:11	WG2298944
1,2-Dichlorobenzene	U		1.45	5.00	25	06/06/2024 00:11	WG2298944
1,3-Dichlorobenzene	U		1.70	5.00	25	06/06/2024 00:11	WG2298944
1,4-Dichlorobenzene	U		1.97	5.00	25	06/06/2024 00:11	WG2298944
Dichlorodifluoromethane	U		0.818	5.00	25	06/06/2024 00:11	WG2298944
1,1-Dichloroethane	U		0.575	2.50	25	06/06/2024 00:11	WG2298944
1,2-Dichloroethane	U		0.475	2.50	25	06/06/2024 00:11	WG2298944
1,1-Dichloroethene	38.1		0.500	2.50	25	06/06/2024 00:11	WG2298944
cis-1,2-Dichloroethene	1270		0.690	2.50	25	06/06/2024 00:11	WG2298944
trans-1,2-Dichloroethene	25.3		1.43	5.00	25	06/06/2024 00:11	WG2298944
1,2-Dichloropropane	U		1.27	5.00	25	06/06/2024 00:11	WG2298944

JC 07/10/24



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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1-Dichloropropene	U		0.700	2.50	25	06/06/2024 00:11	WG2298944
1,3-Dichloropropane	U		1.75	5.00	25	06/06/2024 00:11	WG2298944
cis-1,3-Dichloropropene	U		0.678	2.50	25	06/06/2024 00:11	WG2298944
trans-1,3-Dichloropropene	U		1.53	5.00	25	06/06/2024 00:11	WG2298944
2,2-Dichloropropane	U		0.793	2.50	25	06/06/2024 00:11	WG2298944
Di-isopropyl ether	U		0.350	1.00	25	06/06/2024 00:11	WG2298944
Ethylbenzene	U		0.530	2.50	25	06/06/2024 00:11	WG2298944
Hexachloro-1,3-butadiene	U		12.7	25.0	25	06/06/2024 00:11	WG2298944
Isopropylbenzene	U		0.863	2.50	25	06/06/2024 00:11	WG2298944
p-Isopropyltoluene	U		2.33	5.00	25	06/06/2024 00:11	WG2298944
2-Butanone (MEK)	U		12.5	25.0	25	06/06/2024 00:11	WG2298944
Methylene Chloride	U		6.63	25.0	25	06/06/2024 00:11	WG2298944
4-Methyl-2-pentanone (MIBK)	U		10.0	25.0	25	06/06/2024 00:11	WG2298944
Methyl tert-butyl ether	U		0.295	1.00	25	06/06/2024 00:11	WG2298944
Naphthalene	U		3.10	12.5	25	06/06/2024 00:11	WG2298944
n-Propylbenzene	U		1.18	5.00	25	06/06/2024 00:11	WG2298944
Styrene	U		2.73	12.5	25	06/06/2024 00:11	WG2298944
1,1,1,2-Tetrachloroethane	U		0.500	2.50	25	06/06/2024 00:11	WG2298944
1,1,2,2-Tetrachloroethane	U		0.390	2.50	25	06/06/2024 00:11	WG2298944
1,1,2-Trichlorotrifluoroethane	U		0.675	2.50	25	06/06/2024 00:11	WG2298944
Tetrachloroethene	116		0.700	2.50	25	06/06/2024 00:11	WG2298944
Toluene	U		1.25	5.00	25	06/06/2024 00:11	WG2298944
1,2,3-Trichlorobenzene	U		0.625	12.5	25	06/06/2024 00:11	WG2298944
1,2,4-Trichlorobenzene	U		4.83	12.5	25	06/06/2024 00:11	WG2298944
1,1,1-Trichloroethane	U		0.275	2.50	25	06/06/2024 00:11	WG2298944
1,1,2-Trichloroethane	U		0.883	2.50	25	06/06/2024 00:11	WG2298944
Trichloroethene	526		0.400	1.00	25	06/06/2024 00:11	WG2298944
Trichlorofluoromethane	U		0.500	2.50	25	06/06/2024 00:11	WG2298944
1,2,3-Trichloropropane	U		5.10	12.5	25	06/06/2024 00:11	WG2298944
1,2,4-Trimethylbenzene	U		1.16	5.00	25	06/06/2024 00:11	WG2298944
1,2,3-Trimethylbenzene	U		1.15	5.00	25	06/06/2024 00:11	WG2298944
1,3,5-Trimethylbenzene	U		1.08	5.00	25	06/06/2024 00:11	WG2298944
Vinyl chloride	22.6	J+ C5	0.682	2.50	25	06/06/2024 00:11	WG2298944
Xylenes, Total	U		4.78	6.50	25	06/06/2024 00:11	WG2298944
Ethyl Ether	U		0.425	2.50	25	06/06/2024 00:11	WG2298944
Tetrahydrofuran	U		2.25	12.5	25	06/06/2024 00:11	WG2298944
Iodomethane	U		6.05	12.5	25	06/06/2024 00:11	WG2298944
Allyl chloride	U		14.5	25.0	25	06/06/2024 00:11	WG2298944
Trans-1,4-Dichloro-2-butene	U		1.40	5.00	25	06/06/2024 00:11	WG2298944
(S) Toluene-d8	98.5			75.0-131		06/06/2024 00:11	WG2298944
(S) 4-Bromofluorobenzene	99.3			67.0-138		06/06/2024 00:11	WG2298944
(S) 1,2-Dichloroethane-d4	96.5			70.0-130		06/06/2024 00:11	WG2298944

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/03/2024 09:28	WG2297221
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 09:28	WG2297221
Benzene	1.51		0.0160	0.0400	1	06/03/2024 09:28	WG2297221
Bromobenzene	U		0.0420	0.500	1	06/03/2024 09:28	WG2297221
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 09:28	WG2297221
Bromoform	U		0.239	1.00	1	06/03/2024 09:28	WG2297221
Bromomethane	U	UJ C3 J4	0.148	0.500	1	06/03/2024 09:28	WG2297221
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 09:28	WG2297221
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 09:28	WG2297221
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 09:28	WG2297221
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 09:28	WG2297221
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 09:28	WG2297221
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 09:28	WG2297221
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 09:28	WG2297221
Chloroform	U		0.0166	0.100	1	06/03/2024 09:28	WG2297221
Chloromethane	U		0.0556	0.500	1	06/03/2024 09:28	WG2297221
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 09:28	WG2297221
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 09:28	WG2297221
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 09:28	WG2297221
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 09:28	WG2297221
Dibromomethane	U		0.0400	0.200	1	06/03/2024 09:28	WG2297221
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 09:28	WG2297221
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 09:28	WG2297221
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 09:28	WG2297221
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 09:28	WG2297221
1,1-Dichloroethane	0.0240	J	0.0230	0.100	1	06/03/2024 09:28	WG2297221
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 09:28	WG2297221
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 09:28	WG2297221
cis-1,2-Dichloroethene	6.77		0.0276	0.100	1	06/03/2024 09:28	WG2297221
trans-1,2-Dichloroethene	0.0690	J	0.0572	0.200	1	06/03/2024 09:28	WG2297221
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 09:28	WG2297221
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 09:28	WG2297221
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 09:28	WG2297221
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 09:28	WG2297221
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 09:28	WG2297221
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 09:28	WG2297221
Di-isopropyl ether	0.122		0.0140	0.0400	1	06/03/2024 09:28	WG2297221
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 09:28	WG2297221
Hexachloro-1,3-butadiene	U	J3	0.508	1.00	1	06/03/2024 09:28	WG2297221
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 09:28	WG2297221
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 09:28	WG2297221
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 09:28	WG2297221
Methylene Chloride	U		0.265	1.00	1	06/03/2024 09:28	WG2297221
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 09:28	WG2297221
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 09:28	WG2297221
Naphthalene	U	J3	0.124	0.500	1	06/03/2024 09:28	WG2297221
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 09:28	WG2297221
Styrene	U		0.109	0.500	1	06/03/2024 09:28	WG2297221
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 09:28	WG2297221
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 09:28	WG2297221
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 09:28	WG2297221
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 09:28	WG2297221
Toluene	U		0.0500	0.200	1	06/03/2024 09:28	WG2297221
1,2,3-Trichlorobenzene	U	J3 J4	0.0250	0.500	1	06/03/2024 09:28	WG2297221
1,2,4-Trichlorobenzene	U	J3	0.193	0.500	1	06/03/2024 09:28	WG2297221
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 09:28	WG2297221

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

JC 07/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 09:28	WG2297221
Trichloroethene	U		0.0160	0.0400	1	06/03/2024 09:28	WG2297221
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	06/03/2024 09:28	WG2297221
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 09:28	WG2297221
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 09:28	WG2297221
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 09:28	WG2297221
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 09:28	WG2297221
Vinyl chloride	4.72		0.0273	0.100	1	06/03/2024 09:28	WG2297221
Xylenes, Total	U		0.191	0.260	1	06/03/2024 09:28	WG2297221
Ethyl Ether	0.0440	J	0.0170	0.100	1	06/03/2024 09:28	WG2297221
Tetrahydrofuran	U		0.0900	0.500	1	06/03/2024 09:28	WG2297221
Iodomethane	U		0.242	0.500	1	06/03/2024 09:28	WG2297221
Allyl chloride	U		0.580	1.00	1	06/03/2024 09:28	WG2297221
Trans-1,4-Dichloro-2-butene	U	UJ C3 ~~43~~	0.0560	0.200	1	06/03/2024 09:28	WG2297221
(S) Toluene-d8	101			75.0-131		06/03/2024 09:28	WG2297221
(S) 4-Bromofluorobenzene	96.4			67.0-138		06/03/2024 09:28	WG2297221
(S) 1,2-Dichloroethane-d4	97.4			70.0-130		06/03/2024 09:28	WG2297221

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

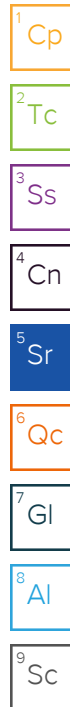
7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	UJ	0.548	1.00	1	06/03/2024 09:47	WG2297221
Acrylonitrile	U	UJ	0.0760	0.500	1	06/03/2024 09:47	WG2297221
Benzene	0.0750	J	0.0160	0.0400	1	06/03/2024 09:47	WG2297221
Bromobenzene	U	UJ	0.0420	0.500	1	06/03/2024 09:47	WG2297221
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 09:47	WG2297221
Bromoform	U		0.239	1.00	1	06/03/2024 09:47	WG2297221
Bromomethane	U	C3 J4	0.148	0.500	1	06/03/2024 09:47	WG2297221
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 09:47	WG2297221
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 09:47	WG2297221
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 09:47	WG2297221
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 09:47	WG2297221
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 09:47	WG2297221
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 09:47	WG2297221
Chloroethane	U	C3	0.0432	0.200	1	06/03/2024 09:47	WG2297221
Chloroform	U		0.0166	0.100	1	06/03/2024 09:47	WG2297221
Chloromethane	U		0.0556	0.500	1	06/03/2024 09:47	WG2297221
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 09:47	WG2297221
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 09:47	WG2297221
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 09:47	WG2297221
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 09:47	WG2297221
Dibromomethane	U		0.0400	0.200	1	06/03/2024 09:47	WG2297221
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 09:47	WG2297221
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 09:47	WG2297221
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 09:47	WG2297221
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 09:47	WG2297221
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 09:47	WG2297221
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 09:47	WG2297221
1,1-Dichloroethene	U	UJ	0.0200	0.100	1	06/03/2024 09:47	WG2297221
cis-1,2-Dichloroethene	2.56	J	0.0276	0.100	1	06/03/2024 09:47	WG2297221
trans-1,2-Dichloroethene	U	UJ	0.0572	0.200	1	06/03/2024 09:47	WG2297221
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 09:47	WG2297221
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 09:47	WG2297221
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 09:47	WG2297221
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 09:47	WG2297221
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 09:47	WG2297221
2,2-Dichloropropane	U	UJ	0.0317	0.100	1	06/03/2024 09:47	WG2297221
Di-isopropyl ether	0.0880	J	0.0140	0.0400	1	06/03/2024 09:47	WG2297221
Ethylbenzene	U	UJ	0.0212	0.100	1	06/03/2024 09:47	WG2297221
Hexachloro-1,3-butadiene	U	J3	0.508	1.00	1	06/03/2024 09:47	WG2297221
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 09:47	WG2297221
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 09:47	WG2297221
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 09:47	WG2297221
Methylene Chloride	U		0.265	1.00	1	06/03/2024 09:47	WG2297221
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 09:47	WG2297221
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 09:47	WG2297221
Naphthalene	U	J3	0.124	0.500	1	06/03/2024 09:47	WG2297221
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 09:47	WG2297221
Styrene	U		0.109	0.500	1	06/03/2024 09:47	WG2297221
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 09:47	WG2297221
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 09:47	WG2297221
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 09:47	WG2297221
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 09:47	WG2297221
Toluene	U		0.0500	0.200	1	06/03/2024 09:47	WG2297221
1,2,3-Trichlorobenzene	U	J3 J4	0.0250	0.500	1	06/03/2024 09:47	WG2297221
1,2,4-Trichlorobenzene	U	J3	0.193	0.500	1	06/03/2024 09:47	WG2297221
1,1,1-Trichloroethane	U	UJ	0.0110	0.100	1	06/03/2024 09:47	WG2297221



JC 07/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U	UJ	0.0353	0.100	1	06/03/2024 09:47	WG2297221
Trichloroethene	U		0.0160	0.0400	1	06/03/2024 09:47	WG2297221
Trichlorofluoromethane	U	C3	0.0200	0.100	1	06/03/2024 09:47	WG2297221
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 09:47	WG2297221
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 09:47	WG2297221
1,2,3-Trimethylbenzene	U	UJ	0.0460	0.200	1	06/03/2024 09:47	WG2297221
1,3,5-Trimethylbenzene	U	UJ	0.0432	0.200	1	06/03/2024 09:47	WG2297221
Vinyl chloride	4.20	J	0.0273	0.100	1	06/03/2024 09:47	WG2297221
Xylenes, Total	U	UJ	0.191	0.260	1	06/03/2024 09:47	WG2297221
Ethyl Ether	0.0390	J J	0.0170	0.100	1	06/03/2024 09:47	WG2297221
Tetrahydrofuran	U	UJ	0.0900	0.500	1	06/03/2024 09:47	WG2297221
Iodomethane	U		0.242	0.500	1	06/03/2024 09:47	WG2297221
Allyl chloride	U		0.580	1.00	1	06/03/2024 09:47	WG2297221
Trans-1,4-Dichloro-2-butene	U	UJ C3 J3	0.0560	0.200	1	06/03/2024 09:47	WG2297221
(S) Toluene-d8	98.3			75.0-131		06/03/2024 09:47	WG2297221
(S) 4-Bromofluorobenzene	97.6			67.0-138		06/03/2024 09:47	WG2297221
(S) 1,2-Dichloroethane-d4	96.9			70.0-130		06/03/2024 09:47	WG2297221

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 07/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	UJ	0.548	1.00	1	06/03/2024 10:06	WG2297221
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 10:06	WG2297221
Benzene	U		0.0160	0.0400	1	06/03/2024 10:06	WG2297221
Bromobenzene	U		0.0420	0.500	1	06/03/2024 10:06	WG2297221
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 10:06	WG2297221
Bromoform	U		0.239	1.00	1	06/03/2024 10:06	WG2297221
Bromomethane	U	C3 J4	0.148	0.500	1	06/03/2024 10:06	WG2297221
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 10:06	WG2297221
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 10:06	WG2297221
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 10:06	WG2297221
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 10:06	WG2297221
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 10:06	WG2297221
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 10:06	WG2297221
Chloroethane	U	C3	0.0432	0.200	1	06/03/2024 10:06	WG2297221
Chloroform	U		0.0166	0.100	1	06/03/2024 10:06	WG2297221
Chloromethane	U		0.0556	0.500	1	06/03/2024 10:06	WG2297221
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 10:06	WG2297221
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 10:06	WG2297221
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 10:06	WG2297221
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 10:06	WG2297221
Dibromomethane	U		0.0400	0.200	1	06/03/2024 10:06	WG2297221
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 10:06	WG2297221
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 10:06	WG2297221
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 10:06	WG2297221
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 10:06	WG2297221
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 10:06	WG2297221
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 10:06	WG2297221
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 10:06	WG2297221
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/03/2024 10:06	WG2297221
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2024 10:06	WG2297221
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 10:06	WG2297221
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 10:06	WG2297221
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 10:06	WG2297221
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 10:06	WG2297221
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 10:06	WG2297221
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 10:06	WG2297221
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 10:06	WG2297221
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 10:06	WG2297221
Hexachloro-1,3-butadiene	U	J3	0.508	1.00	1	06/03/2024 10:06	WG2297221
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 10:06	WG2297221
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 10:06	WG2297221
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 10:06	WG2297221
Methylene Chloride	U		0.265	1.00	1	06/03/2024 10:06	WG2297221
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 10:06	WG2297221
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 10:06	WG2297221
Naphthalene	U	J3	0.124	0.500	1	06/03/2024 10:06	WG2297221
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 10:06	WG2297221
Styrene	U		0.109	0.500	1	06/03/2024 10:06	WG2297221
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 10:06	WG2297221
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 10:06	WG2297221
1,1,2-Trichlorotrifluoroethane	U	UJ	0.0270	0.100	1	06/03/2024 10:06	WG2297221
Tetrachloroethene	0.0420 J	J	0.0280	0.100	1	06/03/2024 10:06	WG2297221
Toluene	U	UJ	0.0500	0.200	1	06/03/2024 10:06	WG2297221
1,2,3-Trichlorobenzene	U	J3 J4	0.0250	0.500	1	06/03/2024 10:06	WG2297221
1,2,4-Trichlorobenzene	U	J3	0.193	0.500	1	06/03/2024 10:06	WG2297221
1,1,1-Trichloroethane	U	UJ	0.0110	0.100	1	06/03/2024 10:06	WG2297221

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U	UJ	0.0353	0.100	1	06/03/2024 10:06	WG2297221
Trichloroethene	U		0.0160	0.0400	1	06/03/2024 10:06	WG2297221
Trichlorofluoromethane	U	C3	0.0200	0.100	1	06/03/2024 10:06	WG2297221
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 10:06	WG2297221
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 10:06	WG2297221
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 10:06	WG2297221
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 10:06	WG2297221
Vinyl chloride	U		0.0273	0.100	1	06/03/2024 10:06	WG2297221
Xylenes, Total	U		0.191	0.260	1	06/03/2024 10:06	WG2297221
Ethyl Ether	U		0.0170	0.100	1	06/03/2024 10:06	WG2297221
Tetrahydrofuran	U		0.0900	0.500	1	06/03/2024 10:06	WG2297221
Iodomethane	U		0.242	0.500	1	06/03/2024 10:06	WG2297221
Allyl chloride	U	UJ	0.580	1.00	1	06/03/2024 10:06	WG2297221
Trans-1,4-Dichloro-2-butene	U	C3 J3	0.0560	0.200	1	06/03/2024 10:06	WG2297221
(S) Toluene-d8	101			75.0-131		06/03/2024 10:06	WG2297221
(S) 4-Bromofluorobenzene	94.8			67.0-138		06/03/2024 10:06	WG2297221
(S) 1,2-Dichloroethane-d4	96.6			70.0-130		06/03/2024 10:06	WG2297221

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

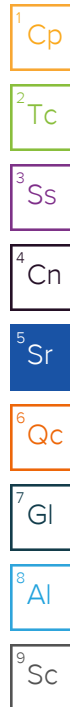
7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	0.679	J	0.548	1.00	1	06/05/2024 23:27	WG2298944
Acrylonitrile	U		0.0760	0.500	1	06/05/2024 23:27	WG2298944
Benzene	0.0210	J	0.0160	0.0400	1	06/05/2024 23:27	WG2298944
Bromobenzene	U		0.0420	0.500	1	06/05/2024 23:27	WG2298944
Bromodichloromethane	U		0.0315	0.100	1	06/05/2024 23:27	WG2298944
Bromoform	U		0.239	1.00	1	06/05/2024 23:27	WG2298944
Bromomethane	U		0.148	0.500	1	06/05/2024 23:27	WG2298944
n-Butylbenzene	U		0.153	0.500	1	06/05/2024 23:27	WG2298944
sec-Butylbenzene	U		0.101	0.500	1	06/05/2024 23:27	WG2298944
tert-Butylbenzene	U		0.0620	0.200	1	06/05/2024 23:27	WG2298944
Carbon tetrachloride	U		0.0432	0.200	1	06/05/2024 23:27	WG2298944
Chlorobenzene	U		0.0229	0.100	1	06/05/2024 23:27	WG2298944
Chlorodibromomethane	U		0.0180	0.100	1	06/05/2024 23:27	WG2298944
Chloroethane	U		0.0432	0.200	1	06/05/2024 23:27	WG2298944
Chloroform	U		0.0166	0.100	1	06/05/2024 23:27	WG2298944
Chloromethane	U		0.0556	0.500	1	06/05/2024 23:27	WG2298944
2-Chlorotoluene	U		0.0368	0.100	1	06/05/2024 23:27	WG2298944
4-Chlorotoluene	U		0.0452	0.200	1	06/05/2024 23:27	WG2298944
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/05/2024 23:27	WG2298944
1,2-Dibromoethane	U		0.0210	0.100	1	06/05/2024 23:27	WG2298944
Dibromomethane	U		0.0400	0.200	1	06/05/2024 23:27	WG2298944
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/05/2024 23:27	WG2298944
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/05/2024 23:27	WG2298944
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/05/2024 23:27	WG2298944
Dichlorodifluoromethane	U		0.0327	0.200	1	06/05/2024 23:27	WG2298944
1,1-Dichloroethane	U		0.0230	0.100	1	06/05/2024 23:27	WG2298944
1,2-Dichloroethane	U		0.0190	0.100	1	06/05/2024 23:27	WG2298944
1,1-Dichloroethene	0.101		0.0200	0.100	1	06/05/2024 23:27	WG2298944
cis-1,2-Dichloroethene	58.4		0.0276	0.100	1	06/05/2024 23:27	WG2298944
trans-1,2-Dichloroethene	0.501		0.0572	0.200	1	06/05/2024 23:27	WG2298944
1,2-Dichloropropane	U		0.0508	0.200	1	06/05/2024 23:27	WG2298944
1,1-Dichloropropene	U		0.0280	0.100	1	06/05/2024 23:27	WG2298944
1,3-Dichloropropane	U		0.0700	0.200	1	06/05/2024 23:27	WG2298944
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/05/2024 23:27	WG2298944
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/05/2024 23:27	WG2298944
2,2-Dichloropropane	U		0.0317	0.100	1	06/05/2024 23:27	WG2298944
Di-isopropyl ether	U		0.0140	0.0400	1	06/05/2024 23:27	WG2298944
Ethylbenzene	U		0.0212	0.100	1	06/05/2024 23:27	WG2298944
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/05/2024 23:27	WG2298944
Isopropylbenzene	U		0.0345	0.100	1	06/05/2024 23:27	WG2298944
p-Isopropyltoluene	U		0.0932	0.200	1	06/05/2024 23:27	WG2298944
2-Butanone (MEK)	U		0.500	1.00	1	06/05/2024 23:27	WG2298944
Methylene Chloride	U		0.265	1.00	1	06/05/2024 23:27	WG2298944
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/05/2024 23:27	WG2298944
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/05/2024 23:27	WG2298944
Naphthalene	U		0.124	0.500	1	06/05/2024 23:27	WG2298944
n-Propylbenzene	U		0.0472	0.200	1	06/05/2024 23:27	WG2298944
Styrene	U		0.109	0.500	1	06/05/2024 23:27	WG2298944
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/05/2024 23:27	WG2298944
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/05/2024 23:27	WG2298944
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/05/2024 23:27	WG2298944
Tetrachloroethene	2.13		0.0280	0.100	1	06/05/2024 23:27	WG2298944
Toluene	U		0.0500	0.200	1	06/05/2024 23:27	WG2298944
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/05/2024 23:27	WG2298944
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/05/2024 23:27	WG2298944
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/05/2024 23:27	WG2298944



JC 07/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/05/2024 23:27	WG2298944
Trichloroethene	6.50		0.0160	0.0400	1	06/05/2024 23:27	WG2298944
Trichlorofluoromethane	U		0.0200	0.100	1	06/05/2024 23:27	WG2298944
1,2,3-Trichloropropane	U		0.204	0.500	1	06/05/2024 23:27	WG2298944
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/05/2024 23:27	WG2298944
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/05/2024 23:27	WG2298944
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/05/2024 23:27	WG2298944
Vinyl chloride	0.148	J+ C5	0.0273	0.100	1	06/05/2024 23:27	WG2298944
Xylenes, Total	U		0.191	0.260	1	06/05/2024 23:27	WG2298944
Ethyl Ether	U		0.0170	0.100	1	06/05/2024 23:27	WG2298944
Tetrahydrofuran	U		0.0900	0.500	1	06/05/2024 23:27	WG2298944
Iodomethane	U		0.242	0.500	1	06/05/2024 23:27	WG2298944
Allyl chloride	U		0.580	1.00	1	06/05/2024 23:27	WG2298944
Trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/05/2024 23:27	WG2298944
(S) Toluene-d8	99.3			75.0-131		06/05/2024 23:27	WG2298944
(S) 4-Bromofluorobenzene	106			67.0-138		06/05/2024 23:27	WG2298944
(S) 1,2-Dichloroethane-d4	96.9			70.0-130		06/05/2024 23:27	WG2298944

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

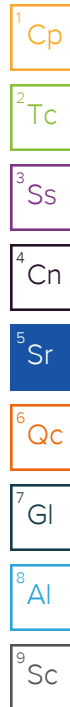
7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	06/03/2024 10:25	WG2297221
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 10:25	WG2297221
Benzene	U		0.0160	0.0400	1	06/03/2024 10:25	WG2297221
Bromobenzene	U		0.0420	0.500	1	06/03/2024 10:25	WG2297221
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 10:25	WG2297221
Bromoform	U		0.239	1.00	1	06/03/2024 10:25	WG2297221
Bromomethane	U	UJ C3 J4	0.148	0.500	1	06/03/2024 10:25	WG2297221
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 10:25	WG2297221
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 10:25	WG2297221
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 10:25	WG2297221
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 10:25	WG2297221
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 10:25	WG2297221
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 10:25	WG2297221
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 10:25	WG2297221
Chloroform	U		0.0166	0.100	1	06/03/2024 10:25	WG2297221
Chloromethane	U		0.0556	0.500	1	06/03/2024 10:25	WG2297221
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 10:25	WG2297221
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 10:25	WG2297221
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 10:25	WG2297221
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 10:25	WG2297221
Dibromomethane	U		0.0400	0.200	1	06/03/2024 10:25	WG2297221
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 10:25	WG2297221
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 10:25	WG2297221
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 10:25	WG2297221
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 10:25	WG2297221
1,1-Dichloroethane	0.0410	J	0.0230	0.100	1	06/03/2024 10:25	WG2297221
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 10:25	WG2297221
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 10:25	WG2297221
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/03/2024 10:25	WG2297221
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2024 10:25	WG2297221
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 10:25	WG2297221
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 10:25	WG2297221
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 10:25	WG2297221
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 10:25	WG2297221
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 10:25	WG2297221
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 10:25	WG2297221
Di-isopropyl ether	0.0870		0.0140	0.0400	1	06/03/2024 10:25	WG2297221
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 10:25	WG2297221
Hexachloro-1,3-butadiene	U	~~J3~~	0.508	1.00	1	06/03/2024 10:25	WG2297221
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 10:25	WG2297221
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 10:25	WG2297221
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 10:25	WG2297221
Methylene Chloride	U		0.265	1.00	1	06/03/2024 10:25	WG2297221
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 10:25	WG2297221
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 10:25	WG2297221
Naphthalene	0.214	~~J3~~	0.124	0.500	1	06/03/2024 10:25	WG2297221
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 10:25	WG2297221
Styrene	U		0.109	0.500	1	06/03/2024 10:25	WG2297221
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 10:25	WG2297221
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 10:25	WG2297221
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 10:25	WG2297221
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 10:25	WG2297221
Toluene	U		0.0500	0.200	1	06/03/2024 10:25	WG2297221
1,2,3-Trichlorobenzene	U	~~J3 J4~~	0.0250	0.500	1	06/03/2024 10:25	WG2297221
1,2,4-Trichlorobenzene	U	~~J3~~	0.193	0.500	1	06/03/2024 10:25	WG2297221
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 10:25	WG2297221



JC 07/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 10:25	WG2297221
Trichloroethene	U		0.0160	0.0400	1	06/03/2024 10:25	WG2297221
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	06/03/2024 10:25	WG2297221
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 10:25	WG2297221
1,2,4-Trimethylbenzene	0.0840	J	0.0464	0.200	1	06/03/2024 10:25	WG2297221
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 10:25	WG2297221
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 10:25	WG2297221
Vinyl chloride	U		0.0273	0.100	1	06/03/2024 10:25	WG2297221
Xylenes, Total	U		0.191	0.260	1	06/03/2024 10:25	WG2297221
Ethyl Ether	U		0.0170	0.100	1	06/03/2024 10:25	WG2297221
Tetrahydrofuran	0.264	J	0.0900	0.500	1	06/03/2024 10:25	WG2297221
Iodomethane	U		0.242	0.500	1	06/03/2024 10:25	WG2297221
Allyl chloride	U		0.580	1.00	1	06/03/2024 10:25	WG2297221
Trans-1,4-Dichloro-2-butene	U	UJ C3 J3	0.0560	0.200	1	06/03/2024 10:25	WG2297221
(S) Toluene-d8	103			75.0-131		06/03/2024 10:25	WG2297221
(S) 4-Bromofluorobenzene	96.9			67.0-138		06/03/2024 10:25	WG2297221
(S) 1,2-Dichloroethane-d4	100			70.0-130		06/03/2024 10:25	WG2297221

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

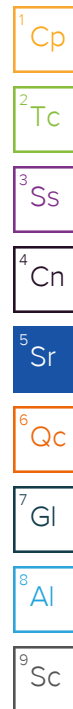
7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	06/03/2024 10:45	WG2297221
Acrylonitrile	3.11	J+ C5	0.0760	0.500	1	06/03/2024 10:45	WG2297221
Benzene	0.0190	J	0.0160	0.0400	1	06/03/2024 10:45	WG2297221
Bromobenzene	U		0.0420	0.500	1	06/03/2024 10:45	WG2297221
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 10:45	WG2297221
Bromoform	U		0.239	1.00	1	06/03/2024 10:45	WG2297221
Bromomethane	U	UJ C3 J4	0.148	0.500	1	06/03/2024 10:45	WG2297221
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 10:45	WG2297221
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 10:45	WG2297221
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 10:45	WG2297221
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 10:45	WG2297221
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 10:45	WG2297221
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 10:45	WG2297221
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 10:45	WG2297221
Chloroform	0.0500	J	0.0166	0.100	1	06/03/2024 10:45	WG2297221
Chloromethane	U		0.0556	0.500	1	06/03/2024 10:45	WG2297221
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 10:45	WG2297221
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 10:45	WG2297221
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 10:45	WG2297221
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 10:45	WG2297221
Dibromomethane	U		0.0400	0.200	1	06/03/2024 10:45	WG2297221
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 10:45	WG2297221
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 10:45	WG2297221
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 10:45	WG2297221
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 10:45	WG2297221
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 10:45	WG2297221
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 10:45	WG2297221
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 10:45	WG2297221
cis-1,2-Dichloroethene	0.577		0.0276	0.100	1	06/03/2024 10:45	WG2297221
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2024 10:45	WG2297221
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 10:45	WG2297221
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 10:45	WG2297221
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 10:45	WG2297221
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 10:45	WG2297221
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 10:45	WG2297221
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 10:45	WG2297221
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 10:45	WG2297221
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 10:45	WG2297221
Hexachloro-1,3-butadiene	U	J3	0.508	1.00	1	06/03/2024 10:45	WG2297221
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 10:45	WG2297221
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 10:45	WG2297221
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 10:45	WG2297221
Methylene Chloride	U		0.265	1.00	1	06/03/2024 10:45	WG2297221
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 10:45	WG2297221
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 10:45	WG2297221
Naphthalene	U	J3	0.124	0.500	1	06/03/2024 10:45	WG2297221
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 10:45	WG2297221
Styrene	U		0.109	0.500	1	06/03/2024 10:45	WG2297221
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 10:45	WG2297221
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 10:45	WG2297221
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 10:45	WG2297221
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 10:45	WG2297221
Toluene	U		0.0500	0.200	1	06/03/2024 10:45	WG2297221
1,2,3-Trichlorobenzene	U	J3 J4	0.0250	0.500	1	06/03/2024 10:45	WG2297221
1,2,4-Trichlorobenzene	U	J3	0.193	0.500	1	06/03/2024 10:45	WG2297221
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 10:45	WG2297221



JC 07/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 10:45	WG2297221
Trichloroethene	U		0.0160	0.0400	1	06/03/2024 10:45	WG2297221
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	06/03/2024 10:45	WG2297221
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 10:45	WG2297221
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 10:45	WG2297221
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 10:45	WG2297221
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 10:45	WG2297221
Vinyl chloride	U		0.0273	0.100	1	06/03/2024 10:45	WG2297221
Xylenes, Total	U		0.191	0.260	1	06/03/2024 10:45	WG2297221
Ethyl Ether	U		0.0170	0.100	1	06/03/2024 10:45	WG2297221
Tetrahydrofuran	0.154	J	0.0900	0.500	1	06/03/2024 10:45	WG2297221
Iodomethane	U		0.242	0.500	1	06/03/2024 10:45	WG2297221
Allyl chloride	U		0.580	1.00	1	06/03/2024 10:45	WG2297221
Trans-1,4-Dichloro-2-butene	U	UJ C3 J3	0.0560	0.200	1	06/03/2024 10:45	WG2297221
(S) Toluene-d8	99.7			75.0-131		06/03/2024 10:45	WG2297221
(S) 4-Bromofluorobenzene	98.9			67.0-138		06/03/2024 10:45	WG2297221
(S) 1,2-Dichloroethane-d4	95.9			70.0-130		06/03/2024 10:45	WG2297221

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

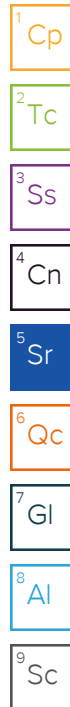
9Sc

JC 07/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	06/03/2024 11:04	WG2297221
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 11:04	WG2297221
Benzene	0.0310	J	0.0160	0.0400	1	06/03/2024 11:04	WG2297221
Bromobenzene	U		0.0420	0.500	1	06/03/2024 11:04	WG2297221
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 11:04	WG2297221
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 11:04	WG2297221
Bromoform	U		0.239	1.00	1	06/03/2024 11:04	WG2297221
Bromomethane	U	UJ C3 J4	0.148	0.500	1	06/03/2024 11:04	WG2297221
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 11:04	WG2297221
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 11:04	WG2297221
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 11:04	WG2297221
Carbon disulfide	U		0.162	0.500	1	06/03/2024 11:04	WG2297221
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 11:04	WG2297221
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 11:04	WG2297221
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 11:04	WG2297221
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 11:04	WG2297221
Chloroform	U		0.0166	0.100	1	06/03/2024 11:04	WG2297221
Chloromethane	U		0.0556	0.500	1	06/03/2024 11:04	WG2297221
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 11:04	WG2297221
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 11:04	WG2297221
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 11:04	WG2297221
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 11:04	WG2297221
Dibromomethane	U		0.0400	0.200	1	06/03/2024 11:04	WG2297221
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 11:04	WG2297221
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 11:04	WG2297221
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 11:04	WG2297221
trans-1,4-Dichloro-2-butene	U	UJ C3 J3	0.0560	0.200	1	06/03/2024 11:04	WG2297221
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 11:04	WG2297221
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 11:04	WG2297221
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 11:04	WG2297221
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 11:04	WG2297221
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/03/2024 11:04	WG2297221
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2024 11:04	WG2297221
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 11:04	WG2297221
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 11:04	WG2297221
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 11:04	WG2297221
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 11:04	WG2297221
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 11:04	WG2297221
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 11:04	WG2297221
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 11:04	WG2297221
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 11:04	WG2297221
Hexachloro-1,3-butadiene	U	J3	0.508	1.00	1	06/03/2024 11:04	WG2297221
2-Hexanone	U		0.400	1.00	1	06/03/2024 11:04	WG2297221
n-Hexane	U		0.0424	0.200	1	06/03/2024 11:04	WG2297221
Iodomethane	U		0.242	0.500	1	06/03/2024 11:04	WG2297221
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 11:04	WG2297221
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 11:04	WG2297221
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 11:04	WG2297221
Methylene Chloride	U		0.265	1.00	1	06/03/2024 11:04	WG2297221
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 11:04	WG2297221
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 11:04	WG2297221
Naphthalene	U	J3	0.124	0.500	1	06/03/2024 11:04	WG2297221
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 11:04	WG2297221
Styrene	U		0.109	0.500	1	06/03/2024 11:04	WG2297221
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 11:04	WG2297221
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 11:04	WG2297221

JC 7/10/24



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 11:04	WG2297221
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 11:04	WG2297221
Toluene	U		0.0500	0.200	1	06/03/2024 11:04	WG2297221
1,2,3-Trichlorobenzene	U	~~J3~~ ~~J4~~	0.0250	0.500	1	06/03/2024 11:04	WG2297221
1,2,4-Trichlorobenzene	U	~~J3~~	0.193	0.500	1	06/03/2024 11:04	WG2297221
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 11:04	WG2297221
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 11:04	WG2297221
Trichloroethene	U		0.0160	0.0400	1	06/03/2024 11:04	WG2297221
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	06/03/2024 11:04	WG2297221
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 11:04	WG2297221
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 11:04	WG2297221
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 11:04	WG2297221
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 11:04	WG2297221
Vinyl acetate	U	UJ C3	0.141	0.500	1	06/03/2024 11:04	WG2297221
Vinyl chloride	U		0.0273	0.100	1	06/03/2024 11:04	WG2297221
Xylenes, Total	U		0.191	0.260	1	06/03/2024 11:04	WG2297221
(S) Toluene-d8	100			75.0-131		06/03/2024 11:04	WG2297221
(S) 4-Bromofluorobenzene	98.9			67.0-138		06/03/2024 11:04	WG2297221
(S) 1,2-Dichloroethane-d4	101			70.0-130		06/03/2024 11:04	WG2297221

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

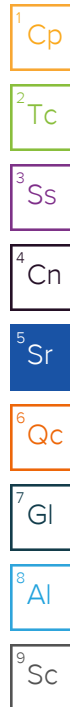
7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	06/03/2024 11:24	WG2297221
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 11:24	WG2297221
Benzene	0.0220	J	0.0160	0.0400	1	06/03/2024 11:24	WG2297221
Bromobenzene	U		0.0420	0.500	1	06/03/2024 11:24	WG2297221
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 11:24	WG2297221
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 11:24	WG2297221
Bromoform	U		0.239	1.00	1	06/03/2024 11:24	WG2297221
Bromomethane	U	UJ C3 J4	0.148	0.500	1	06/03/2024 11:24	WG2297221
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 11:24	WG2297221
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 11:24	WG2297221
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 11:24	WG2297221
Carbon disulfide	U		0.162	0.500	1	06/03/2024 11:24	WG2297221
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 11:24	WG2297221
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 11:24	WG2297221
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 11:24	WG2297221
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 11:24	WG2297221
Chloroform	U		0.0166	0.100	1	06/03/2024 11:24	WG2297221
Chloromethane	U		0.0556	0.500	1	06/03/2024 11:24	WG2297221
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 11:24	WG2297221
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 11:24	WG2297221
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 11:24	WG2297221
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 11:24	WG2297221
Dibromomethane	U		0.0400	0.200	1	06/03/2024 11:24	WG2297221
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 11:24	WG2297221
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 11:24	WG2297221
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 11:24	WG2297221
trans-1,4-Dichloro-2-butene	U	UJ C3 J3	0.0560	0.200	1	06/03/2024 11:24	WG2297221
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 11:24	WG2297221
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 11:24	WG2297221
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 11:24	WG2297221
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 11:24	WG2297221
cis-1,2-Dichloroethene	4.98		0.0276	0.100	1	06/03/2024 11:24	WG2297221
trans-1,2-Dichloroethene	0.0640	J	0.0572	0.200	1	06/03/2024 11:24	WG2297221
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 11:24	WG2297221
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 11:24	WG2297221
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 11:24	WG2297221
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 11:24	WG2297221
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 11:24	WG2297221
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 11:24	WG2297221
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 11:24	WG2297221
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 11:24	WG2297221
Hexachloro-1,3-butadiene	U	J3	0.508	1.00	1	06/03/2024 11:24	WG2297221
2-Hexanone	U		0.400	1.00	1	06/03/2024 11:24	WG2297221
n-Hexane	U		0.0424	0.200	1	06/03/2024 11:24	WG2297221
Iodomethane	U		0.242	0.500	1	06/03/2024 11:24	WG2297221
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 11:24	WG2297221
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 11:24	WG2297221
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 11:24	WG2297221
Methylene Chloride	U		0.265	1.00	1	06/03/2024 11:24	WG2297221
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 11:24	WG2297221
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 11:24	WG2297221
Naphthalene	U	J3	0.124	0.500	1	06/03/2024 11:24	WG2297221
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 11:24	WG2297221
Styrene	U		0.109	0.500	1	06/03/2024 11:24	WG2297221
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 11:24	WG2297221
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 11:24	WG2297221



JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 11:24	WG2297221
Tetrachloroethene	43.5		0.0280	0.100	1	06/03/2024 11:24	WG2297221
Toluene	U		0.0500	0.200	1	06/03/2024 11:24	WG2297221
1,2,3-Trichlorobenzene	U	~~J3 J4~~	0.0250	0.500	1	06/03/2024 11:24	WG2297221
1,2,4-Trichlorobenzene	U	~~J3~~	0.193	0.500	1	06/03/2024 11:24	WG2297221
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 11:24	WG2297221
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 11:24	WG2297221
Trichloroethene	10.4		0.0160	0.0400	1	06/03/2024 11:24	WG2297221
Trichlorofluoromethane	U	UJ <u>C3</u>	0.0200	0.100	1	06/03/2024 11:24	WG2297221
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 11:24	WG2297221
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 11:24	WG2297221
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 11:24	WG2297221
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 11:24	WG2297221
Vinyl acetate	U	UJ <u>C3</u>	0.141	0.500	1	06/03/2024 11:24	WG2297221
Vinyl chloride	U		0.0273	0.100	1	06/03/2024 11:24	WG2297221
Xylenes, Total	U		0.191	0.260	1	06/03/2024 11:24	WG2297221
(S) Toluene-d8	99.6			75.0-131		06/03/2024 11:24	WG2297221
(S) 4-Bromofluorobenzene	97.4			67.0-138		06/03/2024 11:24	WG2297221
(S) 1,2-Dichloroethane-d4	99.7			70.0-130		06/03/2024 11:24	WG2297221

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	5830		594	5000	1	06/19/2024 13:26	WG2306764

1
Cp

2
Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	10400		102	1000	1	06/17/2024 03:46	WG2306216

3
Ss

4
Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	3070		28.1	100	1	06/24/2024 20:38	WG2300935
Manganese	876		0.704	5.00	1	06/24/2024 20:38	WG2300935

5
Sr

6
Qc

7
Gl

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	10900		2.87	6.78	10	06/03/2024 17:10	WG2297638
Ethane	163		0.296	1.29	1	06/03/2024 12:33	WG2297122
Ethene	13.7		0.422	1.27	1	06/03/2024 12:33	WG2297122

8
Al

9
Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	1.36	U	~~C5~~	0.548	1.00	1	06/05/2024 23:48	WG2298944
Acrylonitrile	U		0.0760	0.500	1	06/05/2024 23:48	WG2298944	
Benzene	U		0.0160	0.0400	1	06/05/2024 23:48	WG2298944	
Bromobenzene	U		0.0420	0.500	1	06/05/2024 23:48	WG2298944	
Bromochloromethane	U		0.0452	0.200	1	06/05/2024 23:48	WG2298944	
Bromodichloromethane	U		0.0315	0.100	1	06/05/2024 23:48	WG2298944	
Bromoform	U		0.239	1.00	1	06/05/2024 23:48	WG2298944	
Bromomethane	U		0.148	0.500	1	06/05/2024 23:48	WG2298944	
n-Butylbenzene	U		0.153	0.500	1	06/05/2024 23:48	WG2298944	
sec-Butylbenzene	U		0.101	0.500	1	06/05/2024 23:48	WG2298944	
tert-Butylbenzene	U		0.0620	0.200	1	06/05/2024 23:48	WG2298944	
Carbon disulfide	U		0.162	0.500	1	06/05/2024 23:48	WG2298944	
Carbon tetrachloride	U		0.0432	0.200	1	06/05/2024 23:48	WG2298944	
Chlorobenzene	U		0.0229	0.100	1	06/05/2024 23:48	WG2298944	
Chlorodibromomethane	U		0.0180	0.100	1	06/05/2024 23:48	WG2298944	
Chloroethane	U		0.0432	0.200	1	06/05/2024 23:48	WG2298944	
Chloroform	U		0.0166	0.100	1	06/05/2024 23:48	WG2298944	
Chloromethane	U		0.0556	0.500	1	06/05/2024 23:48	WG2298944	
2-Chlorotoluene	U		0.0368	0.100	1	06/05/2024 23:48	WG2298944	
4-Chlorotoluene	U		0.0452	0.200	1	06/05/2024 23:48	WG2298944	
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/05/2024 23:48	WG2298944	
1,2-Dibromoethane	U		0.0210	0.100	1	06/05/2024 23:48	WG2298944	
Dibromomethane	U		0.0400	0.200	1	06/05/2024 23:48	WG2298944	
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/05/2024 23:48	WG2298944	
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/05/2024 23:48	WG2298944	
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/05/2024 23:48	WG2298944	
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/05/2024 23:48	WG2298944	
Dichlorodifluoromethane	U		0.0327	0.200	1	06/05/2024 23:48	WG2298944	
1,1-Dichloroethane	U		0.0230	0.100	1	06/05/2024 23:48	WG2298944	
1,2-Dichloroethane	U		0.0190	0.100	1	06/05/2024 23:48	WG2298944	
1,1-Dichloroethene	U		0.0200	0.100	1	06/05/2024 23:48	WG2298944	

JC 7/10/24

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
cis-1,2-Dichloroethene	0.344		0.0276	0.100	1	06/05/2024 23:48	WG2298944	
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/05/2024 23:48	WG2298944	
1,2-Dichloropropane	U		0.0508	0.200	1	06/05/2024 23:48	WG2298944	
1,1-Dichloropropene	U		0.0280	0.100	1	06/05/2024 23:48	WG2298944	
1,3-Dichloropropane	U		0.0700	0.200	1	06/05/2024 23:48	WG2298944	
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/05/2024 23:48	WG2298944	
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/05/2024 23:48	WG2298944	
2,2-Dichloropropane	U		0.0317	0.100	1	06/05/2024 23:48	WG2298944	
Di-isopropyl ether	U		0.0140	0.0400	1	06/05/2024 23:48	WG2298944	
Ethylbenzene	U		0.0212	0.100	1	06/05/2024 23:48	WG2298944	
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/05/2024 23:48	WG2298944	
2-Hexanone	U		0.400	1.00	1	06/05/2024 23:48	WG2298944	
n-Hexane	U		0.0424	0.200	1	06/05/2024 23:48	WG2298944	
Iodomethane	U		0.242	0.500	1	06/05/2024 23:48	WG2298944	
Isopropylbenzene	U		0.0345	0.100	1	06/05/2024 23:48	WG2298944	
p-Isopropyltoluene	U		0.0932	0.200	1	06/05/2024 23:48	WG2298944	
2-Butanone (MEK)	U		0.500	1.00	1	06/05/2024 23:48	WG2298944	
Methylene Chloride	U		0.265	1.00	1	06/05/2024 23:48	WG2298944	
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/05/2024 23:48	WG2298944	
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/05/2024 23:48	WG2298944	
Naphthalene	U		0.124	0.500	1	06/05/2024 23:48	WG2298944	
n-Propylbenzene	U		0.0472	0.200	1	06/05/2024 23:48	WG2298944	
Styrene	U		0.109	0.500	1	06/05/2024 23:48	WG2298944	
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/05/2024 23:48	WG2298944	
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/05/2024 23:48	WG2298944	
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/05/2024 23:48	WG2298944	
Tetrachloroethene	U		0.0280	0.100	1	06/05/2024 23:48	WG2298944	
Toluene	0.0650	J	0.0500	0.200	1	06/05/2024 23:48	WG2298944	
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/05/2024 23:48	WG2298944	
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/05/2024 23:48	WG2298944	
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/05/2024 23:48	WG2298944	
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/05/2024 23:48	WG2298944	
Trichloroethene	0.0380	J	0.0160	0.0400	1	06/05/2024 23:48	WG2298944	
Trichlorofluoromethane	U		0.0200	0.100	1	06/05/2024 23:48	WG2298944	
1,2,3-Trichloropropane	U		0.204	0.500	1	06/05/2024 23:48	WG2298944	
1,2,4-Trimethylbenzene	0.0720	J	0.0464	0.200	1	06/05/2024 23:48	WG2298944	
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/05/2024 23:48	WG2298944	
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/05/2024 23:48	WG2298944	
Vinyl acetate	U	UJ	C3	0.141	0.500	1	06/05/2024 23:48	WG2298944
Vinyl chloride	0.786	J+	C5	0.0273	0.100	1	06/05/2024 23:48	WG2298944
Xylenes, Total	U		0.191	0.260	1	06/05/2024 23:48	WG2298944	
(S) Toluene-d8	95.0			75.0-131		06/05/2024 23:48	WG2298944	
(S) 4-Bromofluorobenzene	97.5			67.0-138		06/05/2024 23:48	WG2298944	
(S) 1,2-Dichloroethane-d4	97.1			70.0-130		06/05/2024 23:48	WG2298944	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	1790	J	594	5000	1	06/21/2024 15:23	WG2306764

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	26800		102	1000	1	06/17/2024 00:41	WG2306217

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	25900		28.1	100	1	06/24/2024 20:42	WG2300935
Manganese	5490		0.704	5.00	1	06/24/2024 20:42	WG2300935

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	29700		2.87	6.78	10	06/04/2024 15:18	WG2298329
Ethane	266		0.296	1.29	1	06/04/2024 10:05	WG2297123
Ethene	3.79		0.422	1.27	1	06/04/2024 10:05	WG2297123

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	4.23	U	0.548	1.00	1	06/03/2024 12:02	WG2297221
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 12:02	WG2297221
Benzene	0.0840		0.0160	0.0400	1	06/03/2024 12:02	WG2297221
Bromobenzene	U		0.0420	0.500	1	06/03/2024 12:02	WG2297221
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 12:02	WG2297221
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 12:02	WG2297221
Bromoform	U		0.239	1.00	1	06/03/2024 12:02	WG2297221
Bromomethane	U	UJ C3 J4	0.148	0.500	1	06/03/2024 12:02	WG2297221
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 12:02	WG2297221
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 12:02	WG2297221
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 12:02	WG2297221
Carbon disulfide	U		0.162	0.500	1	06/03/2024 12:02	WG2297221
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 12:02	WG2297221
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 12:02	WG2297221
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 12:02	WG2297221
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 12:02	WG2297221
Chloroform	U		0.0166	0.100	1	06/03/2024 12:02	WG2297221
Chloromethane	U		0.0556	0.500	1	06/03/2024 12:02	WG2297221
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 12:02	WG2297221
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 12:02	WG2297221
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 12:02	WG2297221
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 12:02	WG2297221
Dibromomethane	U		0.0400	0.200	1	06/03/2024 12:02	WG2297221
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 12:02	WG2297221
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 12:02	WG2297221
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 12:02	WG2297221
trans-1,4-Dichloro-2-butene	U	UJ C3 JS	0.0560	0.200	1	06/03/2024 12:02	WG2297221
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 12:02	WG2297221
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 12:02	WG2297221
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 12:02	WG2297221
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 12:02	WG2297221

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.912		0.0276	0.100	1	06/03/2024 12:02	WG2297221
trans-1,2-Dichloroethene	0.322		0.0572	0.200	1	06/03/2024 12:02	WG2297221
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 12:02	WG2297221
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 12:02	WG2297221
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 12:02	WG2297221
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 12:02	WG2297221
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 12:02	WG2297221
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 12:02	WG2297221
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 12:02	WG2297221
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 12:02	WG2297221
Hexachloro-1,3-butadiene	U	~~J3~~	0.508	1.00	1	06/03/2024 12:02	WG2297221
2-Hexanone	U		0.400	1.00	1	06/03/2024 12:02	WG2297221
n-Hexane	U		0.0424	0.200	1	06/03/2024 12:02	WG2297221
Iodomethane	U		0.242	0.500	1	06/03/2024 12:02	WG2297221
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 12:02	WG2297221
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 12:02	WG2297221
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 12:02	WG2297221
Methylene Chloride	U		0.265	1.00	1	06/03/2024 12:02	WG2297221
4-Methyl-2-pentanone (MIBK)	0.485	~~J~~	0.400	1.00	1	06/03/2024 12:02	WG2297221
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 12:02	WG2297221
Naphthalene	U	~~J3~~	0.124	0.500	1	06/03/2024 12:02	WG2297221
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 12:02	WG2297221
Styrene	U		0.109	0.500	1	06/03/2024 12:02	WG2297221
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 12:02	WG2297221
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 12:02	WG2297221
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 12:02	WG2297221
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 12:02	WG2297221
Toluene	0.116	~~J~~	0.0500	0.200	1	06/03/2024 12:02	WG2297221
1,2,3-Trichlorobenzene	U	~~J3 J4~~	0.0250	0.500	1	06/03/2024 12:02	WG2297221
1,2,4-Trichlorobenzene	U	~~J3~~	0.193	0.500	1	06/03/2024 12:02	WG2297221
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 12:02	WG2297221
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 12:02	WG2297221
Trichloroethene	0.0320	~~J~~	0.0160	0.0400	1	06/03/2024 12:02	WG2297221
Trichlorofluoromethane	U	~~UJ~~ ~~C3~~	0.0200	0.100	1	06/03/2024 12:02	WG2297221
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 12:02	WG2297221
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 12:02	WG2297221
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 12:02	WG2297221
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 12:02	WG2297221
Vinyl acetate	U	~~UJ~~ ~~C3~~	0.141	0.500	1	06/03/2024 12:02	WG2297221
Vinyl chloride	1.24		0.0273	0.100	1	06/03/2024 12:02	WG2297221
Xylenes, Total	U		0.191	0.260	1	06/03/2024 12:02	WG2297221
(S) Toluene-d8	99.7			75.0-131		06/03/2024 12:02	WG2297221
(S) 4-Bromofluorobenzene	96.5			67.0-138		06/03/2024 12:02	WG2297221
(S) 1,2-Dichloroethane-d4	93.1			70.0-130		06/03/2024 12:02	WG2297221

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	734	J	594	5000	1	06/19/2024 13:53	WG2306764

1
Cp

2
Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	16100		102	1000	1	06/17/2024 00:58	WG2306217

3
Ss

4
Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	6230		28.1	100	1	06/24/2024 20:45	WG2300935
Manganese	2390		0.704	5.00	1	06/24/2024 20:45	WG2300935

5
Sr

6
Qc

7
Gl

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	30500		2.87	6.78	10	06/04/2024 15:24	WG2298329
Ethane	795		0.296	1.29	1	06/04/2024 10:13	WG2297123
Ethene	59.6		0.422	1.27	1	06/04/2024 10:13	WG2297123

8
Al

9
Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.58	U	0.548	1.00	1	06/03/2024 12:21	WG2297221
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 12:21	WG2297221
Benzene	0.147		0.0160	0.0400	1	06/03/2024 12:21	WG2297221
Bromobenzene	U		0.0420	0.500	1	06/03/2024 12:21	WG2297221
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 12:21	WG2297221
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 12:21	WG2297221
Bromoform	U		0.239	1.00	1	06/03/2024 12:21	WG2297221
Bromomethane	U	UJ C3 J4	0.148	0.500	1	06/03/2024 12:21	WG2297221
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 12:21	WG2297221
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 12:21	WG2297221
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 12:21	WG2297221
Carbon disulfide	U		0.162	0.500	1	06/03/2024 12:21	WG2297221
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 12:21	WG2297221
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 12:21	WG2297221
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 12:21	WG2297221
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 12:21	WG2297221
Chloroform	U		0.0166	0.100	1	06/03/2024 12:21	WG2297221
Chloromethane	U		0.0556	0.500	1	06/03/2024 12:21	WG2297221
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 12:21	WG2297221
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 12:21	WG2297221
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 12:21	WG2297221
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 12:21	WG2297221
Dibromomethane	U		0.0400	0.200	1	06/03/2024 12:21	WG2297221
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 12:21	WG2297221
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 12:21	WG2297221
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 12:21	WG2297221
trans-1,4-Dichloro-2-butene	U	UJ C3 J5	0.0560	0.200	1	06/03/2024 12:21	WG2297221
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 12:21	WG2297221
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 12:21	WG2297221
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 12:21	WG2297221
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 12:21	WG2297221

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.0900	<u>U</u>	0.0276	0.100	1	06/03/2024 12:21	WG2297221
trans-1,2-Dichloroethene	0.0730	<u>U</u>	0.0572	0.200	1	06/03/2024 12:21	WG2297221
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 12:21	WG2297221
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 12:21	WG2297221
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 12:21	WG2297221
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 12:21	WG2297221
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 12:21	WG2297221
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 12:21	WG2297221
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 12:21	WG2297221
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 12:21	WG2297221
Hexachloro-1,3-butadiene	U	<u>J3</u>	0.508	1.00	1	06/03/2024 12:21	WG2297221
2-Hexanone	U		0.400	1.00	1	06/03/2024 12:21	WG2297221
n-Hexane	U		0.0424	0.200	1	06/03/2024 12:21	WG2297221
Iodomethane	U		0.242	0.500	1	06/03/2024 12:21	WG2297221
Isopropylbenzene	0.0690	<u>U</u>	0.0345	0.100	1	06/03/2024 12:21	WG2297221
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 12:21	WG2297221
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 12:21	WG2297221
Methylene Chloride	U		0.265	1.00	1	06/03/2024 12:21	WG2297221
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 12:21	WG2297221
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 12:21	WG2297221
Naphthalene	U	<u>J3</u>	0.124	0.500	1	06/03/2024 12:21	WG2297221
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 12:21	WG2297221
Styrene	U		0.109	0.500	1	06/03/2024 12:21	WG2297221
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 12:21	WG2297221
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 12:21	WG2297221
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 12:21	WG2297221
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 12:21	WG2297221
Toluene	0.0800	<u>U</u>	0.0500	0.200	1	06/03/2024 12:21	WG2297221
1,2,3-Trichlorobenzene	U	<u>J3 J4</u>	0.0250	0.500	1	06/03/2024 12:21	WG2297221
1,2,4-Trichlorobenzene	U	<u>J3</u>	0.193	0.500	1	06/03/2024 12:21	WG2297221
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 12:21	WG2297221
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 12:21	WG2297221
Trichloroethene	U		0.0160	0.0400	1	06/03/2024 12:21	WG2297221
Trichlorofluoromethane	U	<u>UJ</u> <u>C3</u>	0.0200	0.100	1	06/03/2024 12:21	WG2297221
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 12:21	WG2297221
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 12:21	WG2297221
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 12:21	WG2297221
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 12:21	WG2297221
Vinyl acetate	U	<u>UJ</u> <u>C3</u>	0.141	0.500	1	06/03/2024 12:21	WG2297221
Vinyl chloride	0.0670	<u>U</u>	0.0273	0.100	1	06/03/2024 12:21	WG2297221
Xylenes, Total	U		0.191	0.260	1	06/03/2024 12:21	WG2297221
(S) Toluene-d8	102			75.0-131		06/03/2024 12:21	WG2297221
(S) 4-Bromofluorobenzene	98.9			67.0-138		06/03/2024 12:21	WG2297221
(S) 1,2-Dichloroethane-d4	101			70.0-130		06/03/2024 12:21	WG2297221

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	3590	J	594	5000	1	06/19/2024 14:07	WG2306764

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	32900		102	1000	1	06/17/2024 01:15	WG2306217

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	16400		28.1	100	1	06/24/2024 20:48	WG2300935
Manganese	3480		0.704	5.00	1	06/24/2024 20:48	WG2300935

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	34200		2.87	6.78	10	06/04/2024 15:29	WG2298329
Ethane	244		0.296	1.29	1	06/04/2024 10:20	WG2297123
Ethene	66.7		0.422	1.27	1	06/04/2024 10:20	WG2297123

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	2.65	U	0.548	1.00	1	06/03/2024 12:40	WG2297221
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 12:40	WG2297221
Benzene	U		0.0160	0.0400	1	06/03/2024 12:40	WG2297221
Bromobenzene	U		0.0420	0.500	1	06/03/2024 12:40	WG2297221
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 12:40	WG2297221
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 12:40	WG2297221
Bromoform	U		0.239	1.00	1	06/03/2024 12:40	WG2297221
Bromomethane	U	UJ C3 J4	0.148	0.500	1	06/03/2024 12:40	WG2297221
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 12:40	WG2297221
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 12:40	WG2297221
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 12:40	WG2297221
Carbon disulfide	U		0.162	0.500	1	06/03/2024 12:40	WG2297221
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 12:40	WG2297221
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 12:40	WG2297221
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 12:40	WG2297221
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 12:40	WG2297221
Chloroform	U		0.0166	0.100	1	06/03/2024 12:40	WG2297221
Chloromethane	U		0.0556	0.500	1	06/03/2024 12:40	WG2297221
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 12:40	WG2297221
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 12:40	WG2297221
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 12:40	WG2297221
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 12:40	WG2297221
Dibromomethane	U		0.0400	0.200	1	06/03/2024 12:40	WG2297221
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 12:40	WG2297221
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 12:40	WG2297221
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 12:40	WG2297221
trans-1,4-Dichloro-2-butene	U	UJ C3 J5	0.0560	0.200	1	06/03/2024 12:40	WG2297221
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 12:40	WG2297221
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 12:40	WG2297221
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 12:40	WG2297221
1,1-Dichloroethene	0.217		0.0200	0.100	1	06/03/2024 12:40	WG2297221

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	63.8		0.0276	0.100	1	06/03/2024 12:40	WG2297221
trans-1,2-Dichloroethene	2.19		0.0572	0.200	1	06/03/2024 12:40	WG2297221
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 12:40	WG2297221
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 12:40	WG2297221
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 12:40	WG2297221
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 12:40	WG2297221
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 12:40	WG2297221
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 12:40	WG2297221
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 12:40	WG2297221
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 12:40	WG2297221
Hexachloro-1,3-butadiene	U	~~J3~~	0.508	1.00	1	06/03/2024 12:40	WG2297221
2-Hexanone	U		0.400	1.00	1	06/03/2024 12:40	WG2297221
n-Hexane	U		0.0424	0.200	1	06/03/2024 12:40	WG2297221
Iodomethane	U		0.242	0.500	1	06/03/2024 12:40	WG2297221
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 12:40	WG2297221
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 12:40	WG2297221
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 12:40	WG2297221
Methylene Chloride	U		0.265	1.00	1	06/03/2024 12:40	WG2297221
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 12:40	WG2297221
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 12:40	WG2297221
Naphthalene	U	~~J3~~	0.124	0.500	1	06/03/2024 12:40	WG2297221
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 12:40	WG2297221
Styrene	U		0.109	0.500	1	06/03/2024 12:40	WG2297221
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 12:40	WG2297221
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 12:40	WG2297221
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 12:40	WG2297221
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 12:40	WG2297221
Toluene	U		0.0500	0.200	1	06/03/2024 12:40	WG2297221
1,2,3-Trichlorobenzene	U	~~J3 J4~~	0.0250	0.500	1	06/03/2024 12:40	WG2297221
1,2,4-Trichlorobenzene	U	~~J3~~	0.193	0.500	1	06/03/2024 12:40	WG2297221
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 12:40	WG2297221
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 12:40	WG2297221
Trichloroethene	0.287		0.0160	0.0400	1	06/03/2024 12:40	WG2297221
Trichlorofluoromethane	U	UJ ~~C3~~	0.0200	0.100	1	06/03/2024 12:40	WG2297221
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 12:40	WG2297221
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 12:40	WG2297221
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 12:40	WG2297221
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 12:40	WG2297221
Vinyl acetate	U	UJ ~~C3~~	0.141	0.500	1	06/03/2024 12:40	WG2297221
Vinyl chloride	205	J+ ~~C5~~	0.137	0.500	5	06/06/2024 00:33	WG2298944
Xylenes, Total	U		0.191	0.260	1	06/03/2024 12:40	WG2297221
(S) Toluene-d8	101			75.0-131		06/03/2024 12:40	WG2297221
(S) Toluene-d8	96.8			75.0-131		06/06/2024 00:33	WG2298944
(S) 4-Bromofluorobenzene	95.4			67.0-138		06/03/2024 12:40	WG2297221
(S) 4-Bromofluorobenzene	99.9			67.0-138		06/06/2024 00:33	WG2298944
(S) 1,2-Dichloroethane-d4	93.7			70.0-130		06/03/2024 12:40	WG2297221
(S) 1,2-Dichloroethane-d4	98.0			70.0-130		06/06/2024 00:33	WG2298944

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	1830	J	594	5000	1	06/19/2024 14:20	WG2306764

1
Cp

2
Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	26700		102	1000	1	06/17/2024 01:38	WG2306217

3
Ss

4
Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	14400		28.1	100	1	06/24/2024 20:52	WG2300935
Manganese	3290		0.704	5.00	1	06/24/2024 20:52	WG2300935

5
Sr

6
Qc

7
Gl

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	35500		2.87	6.78	10	06/04/2024 15:37	WG2298329
Ethane	462		0.296	1.29	1	06/04/2024 10:26	WG2297123
Ethene	U		0.422	1.27	1	06/04/2024 10:26	WG2297123

8
Al

9
Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	4.55	U	0.548	1.00	1	06/03/2024 12:59	WG2297221	
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 12:59	WG2297221	
Benzene	0.0210	J	0.0160	0.0400	1	06/03/2024 12:59	WG2297221	
Bromobenzene	U		0.0420	0.500	1	06/03/2024 12:59	WG2297221	
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 12:59	WG2297221	
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 12:59	WG2297221	
Bromoform	U		0.239	1.00	1	06/03/2024 12:59	WG2297221	
Bromomethane	U	UJ	C3 J4	0.148	0.500	1	06/03/2024 12:59	WG2297221
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 12:59	WG2297221	
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 12:59	WG2297221	
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 12:59	WG2297221	
Carbon disulfide	U		0.162	0.500	1	06/03/2024 12:59	WG2297221	
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 12:59	WG2297221	
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 12:59	WG2297221	
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 12:59	WG2297221	
Chloroethane	0.113	J	C3 J	0.0432	0.200	1	06/03/2024 12:59	WG2297221
Chloroform	U		0.0166	0.100	1	06/03/2024 12:59	WG2297221	
Chloromethane	U		0.0556	0.500	1	06/03/2024 12:59	WG2297221	
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 12:59	WG2297221	
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 12:59	WG2297221	
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 12:59	WG2297221	
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 12:59	WG2297221	
Dibromomethane	U		0.0400	0.200	1	06/03/2024 12:59	WG2297221	
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 12:59	WG2297221	
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 12:59	WG2297221	
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 12:59	WG2297221	
trans-1,4-Dichloro-2-butene	U	UJ	C3 JS	0.0560	0.200	1	06/03/2024 12:59	WG2297221
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 12:59	WG2297221	
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 12:59	WG2297221	
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 12:59	WG2297221	
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 12:59	WG2297221	

JC 7/10/24

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	0.0830	J	0.0276	0.100	1	06/03/2024 12:59	WG2297221
trans-1,2-Dichloroethene	0.535		0.0572	0.200	1	06/03/2024 12:59	WG2297221
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 12:59	WG2297221
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 12:59	WG2297221
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 12:59	WG2297221
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 12:59	WG2297221
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 12:59	WG2297221
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 12:59	WG2297221
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 12:59	WG2297221
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 12:59	WG2297221
Hexachloro-1,3-butadiene	U	J3	0.508	1.00	1	06/03/2024 12:59	WG2297221
2-Hexanone	U		0.400	1.00	1	06/03/2024 12:59	WG2297221
n-Hexane	U		0.0424	0.200	1	06/03/2024 12:59	WG2297221
Iodomethane	U		0.242	0.500	1	06/03/2024 12:59	WG2297221
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 12:59	WG2297221
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 12:59	WG2297221
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 12:59	WG2297221
Methylene Chloride	U		0.265	1.00	1	06/03/2024 12:59	WG2297221
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 12:59	WG2297221
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 12:59	WG2297221
Naphthalene	U	J3	0.124	0.500	1	06/03/2024 12:59	WG2297221
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 12:59	WG2297221
Styrene	U		0.109	0.500	1	06/03/2024 12:59	WG2297221
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 12:59	WG2297221
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 12:59	WG2297221
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 12:59	WG2297221
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 12:59	WG2297221
Toluene	U		0.0500	0.200	1	06/03/2024 12:59	WG2297221
1,2,3-Trichlorobenzene	U	J3 J4	0.0250	0.500	1	06/03/2024 12:59	WG2297221
1,2,4-Trichlorobenzene	U	J3	0.193	0.500	1	06/03/2024 12:59	WG2297221
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 12:59	WG2297221
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 12:59	WG2297221
Trichloroethene	U		0.0160	0.0400	1	06/03/2024 12:59	WG2297221
Trichlorofluoromethane	U	UJ C3	0.0200	0.100	1	06/03/2024 12:59	WG2297221
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 12:59	WG2297221
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 12:59	WG2297221
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 12:59	WG2297221
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 12:59	WG2297221
Vinyl acetate	U	UJ C3	0.141	0.500	1	06/03/2024 12:59	WG2297221
Vinyl chloride	U		0.0273	0.100	1	06/03/2024 12:59	WG2297221
Xylenes, Total	U		0.191	0.260	1	06/03/2024 12:59	WG2297221
(S) Toluene-d8	98.8			75.0-131		06/03/2024 12:59	WG2297221
(S) 4-Bromofluorobenzene	104			67.0-138		06/03/2024 12:59	WG2297221
(S) 1,2-Dichloroethane-d4	97.6			70.0-130		06/03/2024 12:59	WG2297221

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

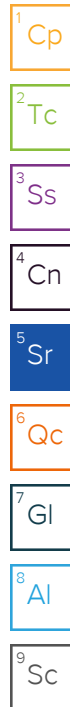
8 Al

9 Sc

JC 7/10/24

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/03/2024 13:19	WG2297221
Acrylonitrile	U		0.0760	0.500	1	06/03/2024 13:19	WG2297221
Benzene	U		0.0160	0.0400	1	06/03/2024 13:19	WG2297221
Bromobenzene	U		0.0420	0.500	1	06/03/2024 13:19	WG2297221
Bromochloromethane	U		0.0452	0.200	1	06/03/2024 13:19	WG2297221
Bromodichloromethane	U		0.0315	0.100	1	06/03/2024 13:19	WG2297221
Bromoform	U		0.239	1.00	1	06/03/2024 13:19	WG2297221
Bromomethane	U	UJ C3 J4	0.148	0.500	1	06/03/2024 13:19	WG2297221
n-Butylbenzene	U		0.153	0.500	1	06/03/2024 13:19	WG2297221
sec-Butylbenzene	U		0.101	0.500	1	06/03/2024 13:19	WG2297221
tert-Butylbenzene	U		0.0620	0.200	1	06/03/2024 13:19	WG2297221
Carbon disulfide	U		0.162	0.500	1	06/03/2024 13:19	WG2297221
Carbon tetrachloride	U		0.0432	0.200	1	06/03/2024 13:19	WG2297221
Chlorobenzene	U		0.0229	0.100	1	06/03/2024 13:19	WG2297221
Chlorodibromomethane	U		0.0180	0.100	1	06/03/2024 13:19	WG2297221
Chloroethane	U	UJ C3	0.0432	0.200	1	06/03/2024 13:19	WG2297221
Chloroform	U		0.0166	0.100	1	06/03/2024 13:19	WG2297221
Chloromethane	U		0.0556	0.500	1	06/03/2024 13:19	WG2297221
2-Chlorotoluene	U		0.0368	0.100	1	06/03/2024 13:19	WG2297221
4-Chlorotoluene	U		0.0452	0.200	1	06/03/2024 13:19	WG2297221
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/03/2024 13:19	WG2297221
1,2-Dibromoethane	U		0.0210	0.100	1	06/03/2024 13:19	WG2297221
Dibromomethane	U		0.0400	0.200	1	06/03/2024 13:19	WG2297221
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/03/2024 13:19	WG2297221
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/03/2024 13:19	WG2297221
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/03/2024 13:19	WG2297221
trans-1,4-Dichloro-2-butene	U	UJ C3 J5	0.0560	0.200	1	06/03/2024 13:19	WG2297221
Dichlorodifluoromethane	U		0.0327	0.200	1	06/03/2024 13:19	WG2297221
1,1-Dichloroethane	U		0.0230	0.100	1	06/03/2024 13:19	WG2297221
1,2-Dichloroethane	U		0.0190	0.100	1	06/03/2024 13:19	WG2297221
1,1-Dichloroethene	U		0.0200	0.100	1	06/03/2024 13:19	WG2297221
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/03/2024 13:19	WG2297221
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/03/2024 13:19	WG2297221
1,2-Dichloropropane	U		0.0508	0.200	1	06/03/2024 13:19	WG2297221
1,1-Dichloropropene	U		0.0280	0.100	1	06/03/2024 13:19	WG2297221
1,3-Dichloropropane	U		0.0700	0.200	1	06/03/2024 13:19	WG2297221
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/03/2024 13:19	WG2297221
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/03/2024 13:19	WG2297221
2,2-Dichloropropane	U		0.0317	0.100	1	06/03/2024 13:19	WG2297221
Di-isopropyl ether	U		0.0140	0.0400	1	06/03/2024 13:19	WG2297221
Ethylbenzene	U		0.0212	0.100	1	06/03/2024 13:19	WG2297221
Hexachloro-1,3-butadiene	U	J3	0.508	1.00	1	06/03/2024 13:19	WG2297221
2-Hexanone	U		0.400	1.00	1	06/03/2024 13:19	WG2297221
n-Hexane	U		0.0424	0.200	1	06/03/2024 13:19	WG2297221
Iodomethane	U		0.242	0.500	1	06/03/2024 13:19	WG2297221
Isopropylbenzene	U		0.0345	0.100	1	06/03/2024 13:19	WG2297221
p-Isopropyltoluene	U		0.0932	0.200	1	06/03/2024 13:19	WG2297221
2-Butanone (MEK)	U		0.500	1.00	1	06/03/2024 13:19	WG2297221
Methylene Chloride	U		0.265	1.00	1	06/03/2024 13:19	WG2297221
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/03/2024 13:19	WG2297221
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/03/2024 13:19	WG2297221
Naphthalene	U	J3	0.124	0.500	1	06/03/2024 13:19	WG2297221
n-Propylbenzene	U		0.0472	0.200	1	06/03/2024 13:19	WG2297221
Styrene	U		0.109	0.500	1	06/03/2024 13:19	WG2297221
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/03/2024 13:19	WG2297221
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/03/2024 13:19	WG2297221



JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/03/2024 13:19	WG2297221
Tetrachloroethene	U		0.0280	0.100	1	06/03/2024 13:19	WG2297221
Toluene	U		0.0500	0.200	1	06/03/2024 13:19	WG2297221
1,2,3-Trichlorobenzene	U	~~J3~~ ~~J4~~	0.0250	0.500	1	06/03/2024 13:19	WG2297221
1,2,4-Trichlorobenzene	U	~~J3~~	0.193	0.500	1	06/03/2024 13:19	WG2297221
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/03/2024 13:19	WG2297221
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/03/2024 13:19	WG2297221
Trichloroethene	U		0.0160	0.0400	1	06/03/2024 13:19	WG2297221
Trichlorofluoromethane	U	UJ <u>C3</u>	0.0200	0.100	1	06/03/2024 13:19	WG2297221
1,2,3-Trichloropropane	U		0.204	0.500	1	06/03/2024 13:19	WG2297221
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/03/2024 13:19	WG2297221
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/03/2024 13:19	WG2297221
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/03/2024 13:19	WG2297221
Vinyl acetate	U	UJ <u>C3</u>	0.141	0.500	1	06/03/2024 13:19	WG2297221
Vinyl chloride	U		0.0273	0.100	1	06/03/2024 13:19	WG2297221
Xylenes, Total	U		0.191	0.260	1	06/03/2024 13:19	WG2297221
(S) Toluene-d8	100			75.0-131		06/03/2024 13:19	WG2297221
(S) 4-Bromofluorobenzene	97.1			67.0-138		06/03/2024 13:19	WG2297221
(S) 1,2-Dichloroethane-d4	98.8			70.0-130		06/03/2024 13:19	WG2297221

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/10/24

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.08	U	0.548	1.00	1	06/05/2024 06:34	WG2298539
Acrylonitrile	U		0.0760	0.500	1	06/05/2024 06:34	WG2298539
Benzene	0.330		0.0160	0.0400	1	06/05/2024 06:34	WG2298539
Bromobenzene	U		0.0420	0.500	1	06/05/2024 06:34	WG2298539
Bromochloromethane	U		0.0452	0.200	1	06/05/2024 06:34	WG2298539
Bromodichloromethane	U		0.0315	0.100	1	06/05/2024 06:34	WG2298539
Bromoform	U		0.239	1.00	1	06/05/2024 06:34	WG2298539
Bromomethane	U	J3	0.148	0.500	1	06/05/2024 06:34	WG2298539
n-Butylbenzene	U		0.153	0.500	1	06/05/2024 06:34	WG2298539
sec-Butylbenzene	U		0.101	0.500	1	06/05/2024 06:34	WG2298539
tert-Butylbenzene	U		0.0620	0.200	1	06/05/2024 06:34	WG2298539
Carbon disulfide	U	J3	0.162	0.500	1	06/05/2024 06:34	WG2298539
Carbon tetrachloride	U		0.0432	0.200	1	06/05/2024 06:34	WG2298539
Chlorobenzene	U		0.0229	0.100	1	06/05/2024 06:34	WG2298539
Chlorodibromomethane	U		0.0180	0.100	1	06/05/2024 06:34	WG2298539
Chloroethane	U	J3	0.0432	0.200	1	06/05/2024 06:34	WG2298539
Chloroform	U		0.0166	0.100	1	06/05/2024 06:34	WG2298539
Chloromethane	U	J3	0.0556	0.500	1	06/05/2024 06:34	WG2298539
2-Chlorotoluene	U		0.0368	0.100	1	06/05/2024 06:34	WG2298539
4-Chlorotoluene	U		0.0452	0.200	1	06/05/2024 06:34	WG2298539
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/05/2024 06:34	WG2298539
1,2-Dibromoethane	U		0.0210	0.100	1	06/05/2024 06:34	WG2298539
Dibromomethane	U		0.0400	0.200	1	06/05/2024 06:34	WG2298539
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/05/2024 06:34	WG2298539
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/05/2024 06:34	WG2298539
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/05/2024 06:34	WG2298539
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/05/2024 06:34	WG2298539
Dichlorodifluoromethane	U	J3	0.0327	0.200	1	06/05/2024 06:34	WG2298539
1,1-Dichloroethane	U		0.0230	0.100	1	06/05/2024 06:34	WG2298539
1,2-Dichloroethane	U		0.0190	0.100	1	06/05/2024 06:34	WG2298539
1,1-Dichloroethene	U		0.0200	0.100	1	06/05/2024 06:34	WG2298539
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/05/2024 06:34	WG2298539
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/05/2024 06:34	WG2298539
1,2-Dichloropropane	U		0.0508	0.200	1	06/05/2024 06:34	WG2298539
1,1-Dichloropropene	U		0.0280	0.100	1	06/05/2024 06:34	WG2298539
1,3-Dichloropropane	U		0.0700	0.200	1	06/05/2024 06:34	WG2298539
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/05/2024 06:34	WG2298539
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/05/2024 06:34	WG2298539
2,2-Dichloropropane	U		0.0317	0.100	1	06/05/2024 06:34	WG2298539
Di-isopropyl ether	U		0.0140	0.0400	1	06/05/2024 06:34	WG2298539
Ethylbenzene	0.330		0.0212	0.100	1	06/05/2024 06:34	WG2298539
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/05/2024 06:34	WG2298539
2-Hexanone	U		0.400	1.00	1	06/05/2024 06:34	WG2298539
n-Hexane	U	J3	0.0424	0.200	1	06/05/2024 06:34	WG2298539
Iodomethane	U		0.242	0.500	1	06/05/2024 06:34	WG2298539
Isopropylbenzene	U		0.0345	0.100	1	06/05/2024 06:34	WG2298539
p-Isopropyltoluene	U		0.0932	0.200	1	06/05/2024 06:34	WG2298539
2-Butanone (MEK)	U		0.500	1.00	1	06/05/2024 06:34	WG2298539
Methylene Chloride	U		0.265	1.00	1	06/05/2024 06:34	WG2298539
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/05/2024 06:34	WG2298539
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/05/2024 06:34	WG2298539
Naphthalene	U		0.124	0.500	1	06/05/2024 06:34	WG2298539
n-Propylbenzene	U		0.0472	0.200	1	06/05/2024 06:34	WG2298539
Styrene	U		0.109	0.500	1	06/05/2024 06:34	WG2298539
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/05/2024 06:34	WG2298539
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/05/2024 06:34	WG2298539



JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/05/2024 06:34	WG2298539
Tetrachloroethene	U		0.0280	0.100	1	06/05/2024 06:34	WG2298539
Toluene	2.13		0.0500	0.200	1	06/05/2024 06:34	WG2298539
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/05/2024 06:34	WG2298539
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/05/2024 06:34	WG2298539
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/05/2024 06:34	WG2298539
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/05/2024 06:34	WG2298539
Trichloroethene	U		0.0160	0.0400	1	06/05/2024 06:34	WG2298539
Trichlorofluoromethane	U		0.0200	0.100	1	06/05/2024 06:34	WG2298539
1,2,3-Trichloropropane	U		0.204	0.500	1	06/05/2024 06:34	WG2298539
1,2,4-Trimethylbenzene	0.241		0.0464	0.200	1	06/05/2024 06:34	WG2298539
1,2,3-Trimethylbenzene	0.0660	U	0.0460	0.200	1	06/05/2024 06:34	WG2298539
1,3,5-Trimethylbenzene	0.0840	U	0.0432	0.200	1	06/05/2024 06:34	WG2298539
Vinyl acetate	U		0.141	0.500	1	06/05/2024 06:34	WG2298539
Vinyl chloride	U	U3	0.0273	0.100	1	06/05/2024 06:34	WG2298539
Xylenes, Total	1.94		0.191	0.260	1	06/05/2024 06:34	WG2298539
(S) Toluene-d8	98.6			75.0-131		06/05/2024 06:34	WG2298539
(S) 4-Bromofluorobenzene	106			67.0-138		06/05/2024 06:34	WG2298539
(S) 1,2-Dichloroethane-d4	91.1			70.0-130		06/05/2024 06:34	WG2298539

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	959	J	594	5000	1	06/19/2024 15:00	WG2306764

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	14200		102	1000	1	06/17/2024 01:54	WG2306217

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	8610		28.1	100	1	06/24/2024 20:55	WG2300935
Manganese	1180		0.704	5.00	1	06/24/2024 20:55	WG2300935

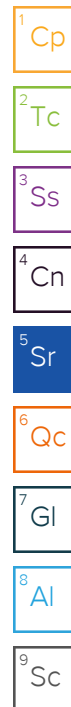
Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	17100		2.87	6.78	10	06/04/2024 15:42	WG2298329
Ethane	264		0.296	1.29	1	06/04/2024 10:34	WG2297123
Ethene	2.83		0.422	1.27	1	06/04/2024 10:34	WG2297123

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	06/05/2024 06:54	WG2298539
Acrylonitrile	U		0.0760	0.500	1	06/05/2024 06:54	WG2298539
Benzene	U		0.0160	0.0400	1	06/05/2024 06:54	WG2298539
Bromobenzene	U		0.0420	0.500	1	06/05/2024 06:54	WG2298539
Bromochloromethane	U		0.0452	0.200	1	06/05/2024 06:54	WG2298539
Bromodichloromethane	U		0.0315	0.100	1	06/05/2024 06:54	WG2298539
Bromoform	U		0.239	1.00	1	06/05/2024 06:54	WG2298539
Bromomethane	U	J3	0.148	0.500	1	06/05/2024 06:54	WG2298539
n-Butylbenzene	U		0.153	0.500	1	06/05/2024 06:54	WG2298539
sec-Butylbenzene	U		0.101	0.500	1	06/05/2024 06:54	WG2298539
tert-Butylbenzene	U		0.0620	0.200	1	06/05/2024 06:54	WG2298539
Carbon disulfide	U	J3	0.162	0.500	1	06/05/2024 06:54	WG2298539
Carbon tetrachloride	U		0.0432	0.200	1	06/05/2024 06:54	WG2298539
Chlorobenzene	U		0.0229	0.100	1	06/05/2024 06:54	WG2298539
Chlorodibromomethane	U		0.0180	0.100	1	06/05/2024 06:54	WG2298539
Chloroethane	0.316	J3	0.0432	0.200	1	06/05/2024 06:54	WG2298539
Chloroform	U		0.0166	0.100	1	06/05/2024 06:54	WG2298539
Chloromethane	U	J3	0.0556	0.500	1	06/05/2024 06:54	WG2298539
2-Chlorotoluene	U		0.0368	0.100	1	06/05/2024 06:54	WG2298539
4-Chlorotoluene	U		0.0452	0.200	1	06/05/2024 06:54	WG2298539
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/05/2024 06:54	WG2298539
1,2-Dibromoethane	U		0.0210	0.100	1	06/05/2024 06:54	WG2298539
Dibromomethane	U		0.0400	0.200	1	06/05/2024 06:54	WG2298539
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/05/2024 06:54	WG2298539
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/05/2024 06:54	WG2298539
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/05/2024 06:54	WG2298539
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/05/2024 06:54	WG2298539
Dichlorodifluoromethane	U	J3	0.0327	0.200	1	06/05/2024 06:54	WG2298539
1,1-Dichloroethane	U		0.0230	0.100	1	06/05/2024 06:54	WG2298539
1,2-Dichloroethane	U		0.0190	0.100	1	06/05/2024 06:54	WG2298539
1,1-Dichloroethene	U		0.0200	0.100	1	06/05/2024 06:54	WG2298539

JC 7/10/24



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	3.75		0.0276	0.100	1	06/05/2024 06:54	WG2298539
trans-1,2-Dichloroethene	0.132	J	0.0572	0.200	1	06/05/2024 06:54	WG2298539
1,2-Dichloropropane	U		0.0508	0.200	1	06/05/2024 06:54	WG2298539
1,1-Dichloropropene	U		0.0280	0.100	1	06/05/2024 06:54	WG2298539
1,3-Dichloropropane	U		0.0700	0.200	1	06/05/2024 06:54	WG2298539
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/05/2024 06:54	WG2298539
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/05/2024 06:54	WG2298539
2,2-Dichloropropane	U		0.0317	0.100	1	06/05/2024 06:54	WG2298539
Di-isopropyl ether	U		0.0140	0.0400	1	06/05/2024 06:54	WG2298539
Ethylbenzene	U		0.0212	0.100	1	06/05/2024 06:54	WG2298539
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/05/2024 06:54	WG2298539
2-Hexanone	U		0.400	1.00	1	06/05/2024 06:54	WG2298539
n-Hexane	U	J	0.0424	0.200	1	06/05/2024 06:54	WG2298539
Iodomethane	U		0.242	0.500	1	06/05/2024 06:54	WG2298539
Isopropylbenzene	U		0.0345	0.100	1	06/05/2024 06:54	WG2298539
p-Isopropyltoluene	U	.	0.0932	0.200	1	06/05/2024 06:54	WG2298539
2-Butanone (MEK)	U		0.500	1.00	1	06/05/2024 06:54	WG2298539
Methylene Chloride	U		0.265	1.00	1	06/05/2024 06:54	WG2298539
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/05/2024 06:54	WG2298539
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/05/2024 06:54	WG2298539
Naphthalene	U		0.124	0.500	1	06/05/2024 06:54	WG2298539
n-Propylbenzene	U		0.0472	0.200	1	06/05/2024 06:54	WG2298539
Styrene	U		0.109	0.500	1	06/05/2024 06:54	WG2298539
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/05/2024 06:54	WG2298539
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/05/2024 06:54	WG2298539
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/05/2024 06:54	WG2298539
Tetrachloroethene	U		0.0280	0.100	1	06/05/2024 06:54	WG2298539
Toluene	U		0.0500	0.200	1	06/05/2024 06:54	WG2298539
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/05/2024 06:54	WG2298539
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/05/2024 06:54	WG2298539
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/05/2024 06:54	WG2298539
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/05/2024 06:54	WG2298539
Trichloroethene	U		0.0160	0.0400	1	06/05/2024 06:54	WG2298539
Trichlorofluoromethane	U		0.0200	0.100	1	06/05/2024 06:54	WG2298539
1,2,3-Trichloropropane	U		0.204	0.500	1	06/05/2024 06:54	WG2298539
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/05/2024 06:54	WG2298539
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/05/2024 06:54	WG2298539
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/05/2024 06:54	WG2298539
Vinyl acetate	U		0.141	0.500	1	06/05/2024 06:54	WG2298539
Vinyl chloride	5.24	J	0.0273	0.100	1	06/05/2024 06:54	WG2298539
Xylenes, Total	U		0.191	0.260	1	06/05/2024 06:54	WG2298539
(S) Toluene-d8	101			75.0-131		06/05/2024 06:54	WG2298539
(S) 4-Bromofluorobenzene	101			67.0-138		06/05/2024 06:54	WG2298539
(S) 1,2-Dichloroethane-d4	87.1			70.0-130		06/05/2024 06:54	WG2298539

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	986	J	594	5000	1	06/19/2024 15:14	WG2306764

1
Cp

2
Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	13800		102	1000	1	06/17/2024 02:11	WG2306217

3
Ss

4
Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	8830		28.1	100	1	06/24/2024 20:58	WG2300935
Manganese	1180		0.704	5.00	1	06/24/2024 20:58	WG2300935

5
Sr

6
Qc

7
Gl

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	17200		2.87	6.78	10	06/04/2024 15:48	WG2298329
Ethane	279		0.296	1.29	1	06/04/2024 11:43	WG2297123
Ethene	3.12		0.422	1.27	1	06/04/2024 11:43	WG2297123

8
Al

9
Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	06/05/2024 07:13	WG2298539
Acrylonitrile	U		0.0760	0.500	1	06/05/2024 07:13	WG2298539
Benzene	U		0.0160	0.0400	1	06/05/2024 07:13	WG2298539
Bromobenzene	U		0.0420	0.500	1	06/05/2024 07:13	WG2298539
Bromochloromethane	U		0.0452	0.200	1	06/05/2024 07:13	WG2298539
Bromodichloromethane	U		0.0315	0.100	1	06/05/2024 07:13	WG2298539
Bromoform	U		0.239	1.00	1	06/05/2024 07:13	WG2298539
Bromomethane	U	J3	0.148	0.500	1	06/05/2024 07:13	WG2298539
n-Butylbenzene	U		0.153	0.500	1	06/05/2024 07:13	WG2298539
sec-Butylbenzene	U		0.101	0.500	1	06/05/2024 07:13	WG2298539
tert-Butylbenzene	U		0.0620	0.200	1	06/05/2024 07:13	WG2298539
Carbon disulfide	U	J3	0.162	0.500	1	06/05/2024 07:13	WG2298539
Carbon tetrachloride	U		0.0432	0.200	1	06/05/2024 07:13	WG2298539
Chlorobenzene	U		0.0229	0.100	1	06/05/2024 07:13	WG2298539
Chlorodibromomethane	U		0.0180	0.100	1	06/05/2024 07:13	WG2298539
Chloroethane	0.410	J3	0.0432	0.200	1	06/05/2024 07:13	WG2298539
Chloroform	U		0.0166	0.100	1	06/05/2024 07:13	WG2298539
Chloromethane	U	J3	0.0556	0.500	1	06/05/2024 07:13	WG2298539
2-Chlorotoluene	U		0.0368	0.100	1	06/05/2024 07:13	WG2298539
4-Chlorotoluene	U		0.0452	0.200	1	06/05/2024 07:13	WG2298539
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/05/2024 07:13	WG2298539
1,2-Dibromoethane	U		0.0210	0.100	1	06/05/2024 07:13	WG2298539
Dibromomethane	U		0.0400	0.200	1	06/05/2024 07:13	WG2298539
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/05/2024 07:13	WG2298539
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/05/2024 07:13	WG2298539
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/05/2024 07:13	WG2298539
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/05/2024 07:13	WG2298539
Dichlorodifluoromethane	U	J3	0.0327	0.200	1	06/05/2024 07:13	WG2298539
1,1-Dichloroethane	U		0.0230	0.100	1	06/05/2024 07:13	WG2298539
1,2-Dichloroethane	U		0.0190	0.100	1	06/05/2024 07:13	WG2298539
1,1-Dichloroethene	U		0.0200	0.100	1	06/05/2024 07:13	WG2298539

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	4.55		0.0276	0.100	1	06/05/2024 07:13	WG2298539
trans-1,2-Dichloroethene	0.151	J	0.0572	0.200	1	06/05/2024 07:13	WG2298539
1,2-Dichloropropane	U		0.0508	0.200	1	06/05/2024 07:13	WG2298539
1,1-Dichloropropene	U		0.0280	0.100	1	06/05/2024 07:13	WG2298539
1,3-Dichloropropane	U		0.0700	0.200	1	06/05/2024 07:13	WG2298539
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/05/2024 07:13	WG2298539
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/05/2024 07:13	WG2298539
2,2-Dichloropropane	U		0.0317	0.100	1	06/05/2024 07:13	WG2298539
Di-isopropyl ether	U		0.0140	0.0400	1	06/05/2024 07:13	WG2298539
Ethylbenzene	U		0.0212	0.100	1	06/05/2024 07:13	WG2298539
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/05/2024 07:13	WG2298539
2-Hexanone	U		0.400	1.00	1	06/05/2024 07:13	WG2298539
n-Hexane	U	J3	0.0424	0.200	1	06/05/2024 07:13	WG2298539
Iodomethane	U		0.242	0.500	1	06/05/2024 07:13	WG2298539
Isopropylbenzene	U		0.0345	0.100	1	06/05/2024 07:13	WG2298539
p-Isopropyltoluene	U		0.0932	0.200	1	06/05/2024 07:13	WG2298539
2-Butanone (MEK)	U		0.500	1.00	1	06/05/2024 07:13	WG2298539
Methylene Chloride	U		0.265	1.00	1	06/05/2024 07:13	WG2298539
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/05/2024 07:13	WG2298539
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/05/2024 07:13	WG2298539
Naphthalene	U		0.124	0.500	1	06/05/2024 07:13	WG2298539
n-Propylbenzene	U		0.0472	0.200	1	06/05/2024 07:13	WG2298539
Styrene	U		0.109	0.500	1	06/05/2024 07:13	WG2298539
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/05/2024 07:13	WG2298539
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/05/2024 07:13	WG2298539
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/05/2024 07:13	WG2298539
Tetrachloroethene	U		0.0280	0.100	1	06/05/2024 07:13	WG2298539
Toluene	U		0.0500	0.200	1	06/05/2024 07:13	WG2298539
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/05/2024 07:13	WG2298539
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/05/2024 07:13	WG2298539
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/05/2024 07:13	WG2298539
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/05/2024 07:13	WG2298539
Trichloroethene	U		0.0160	0.0400	1	06/05/2024 07:13	WG2298539
Trichlorofluoromethane	U		0.0200	0.100	1	06/05/2024 07:13	WG2298539
1,2,3-Trichloropropane	U		0.204	0.500	1	06/05/2024 07:13	WG2298539
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/05/2024 07:13	WG2298539
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/05/2024 07:13	WG2298539
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/05/2024 07:13	WG2298539
Vinyl acetate	U		0.141	0.500	1	06/05/2024 07:13	WG2298539
Vinyl chloride	6.03	J3	0.0273	0.100	1	06/05/2024 07:13	WG2298539
Xylenes, Total	U		0.191	0.260	1	06/05/2024 07:13	WG2298539
(S) Toluene-d8	99.2			75.0-131		06/05/2024 07:13	WG2298539
(S) 4-Bromofluorobenzene	101			67.0-138		06/05/2024 07:13	WG2298539
(S) 1,2-Dichloroethane-d4	92.5			70.0-130		06/05/2024 07:13	WG2298539

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/10/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	10400		594	5000	1	06/19/2024 15:27	WG2306764

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	52000		204	2000	2	06/18/2024 08:07	WG2306451

Metals (ICPMS) by Method 6020B

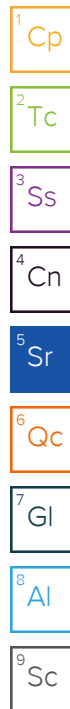
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	42600		28.1	100	1	06/24/2024 21:01	WG2300935
Manganese	1240		0.704	5.00	1	06/24/2024 21:01	WG2300935

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	26800		2.87	6.78	10	06/04/2024 15:54	WG2298329
Ethane	529		0.296	1.29	1	06/04/2024 12:04	WG2297123
Ethene	1140		0.422	1.27	1	06/04/2024 12:04	WG2297123

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.70	U	0.548	1.00	1	06/05/2024 07:33	WG2298539
Acrylonitrile	U		0.0760	0.500	1	06/05/2024 07:33	WG2298539
Benzene	0.104		0.0160	0.0400	1	06/05/2024 07:33	WG2298539
Bromobenzene	U		0.0420	0.500	1	06/05/2024 07:33	WG2298539
Bromochloromethane	U		0.0452	0.200	1	06/05/2024 07:33	WG2298539
Bromodichloromethane	U		0.0315	0.100	1	06/05/2024 07:33	WG2298539
Bromoform	U		0.239	1.00	1	06/05/2024 07:33	WG2298539
Bromomethane	U	~~J3~~	0.148	0.500	1	06/05/2024 07:33	WG2298539
n-Butylbenzene	U		0.153	0.500	1	06/05/2024 07:33	WG2298539
sec-Butylbenzene	U		0.101	0.500	1	06/05/2024 07:33	WG2298539
tert-Butylbenzene	U		0.0620	0.200	1	06/05/2024 07:33	WG2298539
Carbon disulfide	0.372	~~J3~~	0.162	0.500	1	06/05/2024 07:33	WG2298539
Carbon tetrachloride	U		0.0432	0.200	1	06/05/2024 07:33	WG2298539
Chlorobenzene	U		0.0229	0.100	1	06/05/2024 07:33	WG2298539
Chlorodibromomethane	U		0.0180	0.100	1	06/05/2024 07:33	WG2298539
Chloroethane	U	~~J3~~	0.0432	0.200	1	06/05/2024 07:33	WG2298539
Chloroform	U		0.0166	0.100	1	06/05/2024 07:33	WG2298539
Chloromethane	U	~~J3~~	0.0556	0.500	1	06/05/2024 07:33	WG2298539
2-Chlorotoluene	U		0.0368	0.100	1	06/05/2024 07:33	WG2298539
4-Chlorotoluene	U		0.0452	0.200	1	06/05/2024 07:33	WG2298539
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/05/2024 07:33	WG2298539
1,2-Dibromoethane	U		0.0210	0.100	1	06/05/2024 07:33	WG2298539
Dibromomethane	U		0.0400	0.200	1	06/05/2024 07:33	WG2298539
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/05/2024 07:33	WG2298539
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/05/2024 07:33	WG2298539
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/05/2024 07:33	WG2298539
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/05/2024 07:33	WG2298539
Dichlorodifluoromethane	U	~~J3~~	0.0327	0.200	1	06/05/2024 07:33	WG2298539
1,1-Dichloroethane	U		0.0230	0.100	1	06/05/2024 07:33	WG2298539
1,2-Dichloroethane	U		0.0190	0.100	1	06/05/2024 07:33	WG2298539
1,1-Dichloroethene	15.4		0.0200	0.100	1	06/05/2024 07:33	WG2298539



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	7480		5.52	20.0	200	06/09/2024 13:13	WG2300439
trans-1,2-Dichloroethene	62.4		0.0572	0.200	1	06/05/2024 07:33	WG2298539
1,2-Dichloropropane	U		0.0508	0.200	1	06/05/2024 07:33	WG2298539
1,1-Dichloropropene	U		0.0280	0.100	1	06/05/2024 07:33	WG2298539
1,3-Dichloropropane	U		0.0700	0.200	1	06/05/2024 07:33	WG2298539
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/05/2024 07:33	WG2298539
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/05/2024 07:33	WG2298539
2,2-Dichloropropane	U		0.0317	0.100	1	06/05/2024 07:33	WG2298539
Di-isopropyl ether	U		0.0140	0.0400	1	06/05/2024 07:33	WG2298539
Ethylbenzene	U		0.0212	0.100	1	06/05/2024 07:33	WG2298539
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/05/2024 07:33	WG2298539
2-Hexanone	U		0.400	1.00	1	06/05/2024 07:33	WG2298539
n-Hexane	U	~~J3~~	0.0424	0.200	1	06/05/2024 07:33	WG2298539
Iodomethane	U		0.242	0.500	1	06/05/2024 07:33	WG2298539
Isopropylbenzene	U		0.0345	0.100	1	06/05/2024 07:33	WG2298539
p-Isopropyltoluene	U		0.0932	0.200	1	06/05/2024 07:33	WG2298539
2-Butanone (MEK)	U		0.500	1.00	1	06/05/2024 07:33	WG2298539
Methylene Chloride	U		0.265	1.00	1	06/05/2024 07:33	WG2298539
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/05/2024 07:33	WG2298539
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/05/2024 07:33	WG2298539
Naphthalene	U		0.124	0.500	1	06/05/2024 07:33	WG2298539
n-Propylbenzene	U		0.0472	0.200	1	06/05/2024 07:33	WG2298539
Styrene	U		0.109	0.500	1	06/05/2024 07:33	WG2298539
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/05/2024 07:33	WG2298539
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/05/2024 07:33	WG2298539
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/05/2024 07:33	WG2298539
Tetrachloroethene	U		0.0280	0.100	1	06/05/2024 07:33	WG2298539
Toluene	0.0690	J	0.0500	0.200	1	06/05/2024 07:33	WG2298539
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/05/2024 07:33	WG2298539
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/05/2024 07:33	WG2298539
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/05/2024 07:33	WG2298539
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/05/2024 07:33	WG2298539
Trichloroethene	0.631		0.0160	0.0400	1	06/05/2024 07:33	WG2298539
Trichlorofluoromethane	U		0.0200	0.100	1	06/05/2024 07:33	WG2298539
1,2,3-Trichloropropane	U		0.204	0.500	1	06/05/2024 07:33	WG2298539
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/05/2024 07:33	WG2298539
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/05/2024 07:33	WG2298539
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/05/2024 07:33	WG2298539
Vinyl acetate	U		0.141	0.500	1	06/05/2024 07:33	WG2298539
Vinyl chloride	2370		5.46	20.0	200	06/09/2024 13:13	WG2300439
Xylenes, Total	U		0.191	0.260	1	06/05/2024 07:33	WG2298539
(S) Toluene-d8	101			75.0-131		06/05/2024 07:33	WG2298539
(S) Toluene-d8	109			75.0-131		06/09/2024 13:13	WG2300439
(S) 4-Bromofluorobenzene	101			67.0-138		06/05/2024 07:33	WG2298539
(S) 4-Bromofluorobenzene	98.9			67.0-138		06/09/2024 13:13	WG2300439
(S) 1,2-Dichloroethane-d4	89.5			70.0-130		06/05/2024 07:33	WG2298539
(S) 1,2-Dichloroethane-d4	90.0			70.0-130		06/09/2024 13:13	WG2300439

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	06/05/2024 07:53	WG2298539
Acrylonitrile	U		0.0760	0.500	1	06/05/2024 07:53	WG2298539
Benzene	U		0.0160	0.0400	1	06/05/2024 07:53	WG2298539
Bromobenzene	U		0.0420	0.500	1	06/05/2024 07:53	WG2298539
Bromochloromethane	U		0.0452	0.200	1	06/05/2024 07:53	WG2298539
Bromodichloromethane	U		0.0315	0.100	1	06/05/2024 07:53	WG2298539
Bromoform	U		0.239	1.00	1	06/05/2024 07:53	WG2298539
Bromomethane	U	~~J3~~	0.148	0.500	1	06/05/2024 07:53	WG2298539
n-Butylbenzene	U		0.153	0.500	1	06/05/2024 07:53	WG2298539
sec-Butylbenzene	U		0.101	0.500	1	06/05/2024 07:53	WG2298539
tert-Butylbenzene	U		0.0620	0.200	1	06/05/2024 07:53	WG2298539
Carbon disulfide	U	~~J3~~	0.162	0.500	1	06/05/2024 07:53	WG2298539
Carbon tetrachloride	U		0.0432	0.200	1	06/05/2024 07:53	WG2298539
Chlorobenzene	U		0.0229	0.100	1	06/05/2024 07:53	WG2298539
Chlorodibromomethane	U		0.0180	0.100	1	06/05/2024 07:53	WG2298539
Chloroethane	U	~~J3~~	0.0432	0.200	1	06/05/2024 07:53	WG2298539
Chloroform	U		0.0166	0.100	1	06/05/2024 07:53	WG2298539
Chloromethane	U	~~J3~~	0.0556	0.500	1	06/05/2024 07:53	WG2298539
2-Chlorotoluene	U		0.0368	0.100	1	06/05/2024 07:53	WG2298539
4-Chlorotoluene	U		0.0452	0.200	1	06/05/2024 07:53	WG2298539
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/05/2024 07:53	WG2298539
1,2-Dibromoethane	U		0.0210	0.100	1	06/05/2024 07:53	WG2298539
Dibromomethane	U		0.0400	0.200	1	06/05/2024 07:53	WG2298539
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/05/2024 07:53	WG2298539
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/05/2024 07:53	WG2298539
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/05/2024 07:53	WG2298539
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	06/05/2024 07:53	WG2298539
Dichlorodifluoromethane	U	~~J3~~	0.0327	0.200	1	06/05/2024 07:53	WG2298539
1,1-Dichloroethane	U		0.0230	0.100	1	06/05/2024 07:53	WG2298539
1,2-Dichloroethane	U		0.0190	0.100	1	06/05/2024 07:53	WG2298539
1,1-Dichloroethene	U		0.0200	0.100	1	06/05/2024 07:53	WG2298539
cis-1,2-Dichloroethene	2.91		0.0276	0.100	1	06/09/2024 12:52	WG2300439
trans-1,2-Dichloroethene	0.0870	J	0.0572	0.200	1	06/05/2024 07:53	WG2298539
1,2-Dichloropropane	U		0.0508	0.200	1	06/05/2024 07:53	WG2298539
1,1-Dichloropropene	U		0.0280	0.100	1	06/05/2024 07:53	WG2298539
1,3-Dichloropropane	U		0.0700	0.200	1	06/05/2024 07:53	WG2298539
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/05/2024 07:53	WG2298539
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/05/2024 07:53	WG2298539
2,2-Dichloropropane	U		0.0317	0.100	1	06/05/2024 07:53	WG2298539
Di-isopropyl ether	U		0.0140	0.0400	1	06/05/2024 07:53	WG2298539
Ethylbenzene	U		0.0212	0.100	1	06/05/2024 07:53	WG2298539
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/05/2024 07:53	WG2298539
2-Hexanone	U		0.400	1.00	1	06/05/2024 07:53	WG2298539
n-Hexane	U	~~J3~~	0.0424	0.200	1	06/05/2024 07:53	WG2298539
Iodomethane	U		0.242	0.500	1	06/05/2024 07:53	WG2298539
Isopropylbenzene	U		0.0345	0.100	1	06/05/2024 07:53	WG2298539
p-Isopropyltoluene	U		0.0932	0.200	1	06/05/2024 07:53	WG2298539
2-Butanone (MEK)	U		0.500	1.00	1	06/05/2024 07:53	WG2298539
Methylene Chloride	U		0.265	1.00	1	06/05/2024 07:53	WG2298539
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/05/2024 07:53	WG2298539
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/05/2024 07:53	WG2298539
Naphthalene	U		0.124	0.500	1	06/05/2024 07:53	WG2298539
n-Propylbenzene	U		0.0472	0.200	1	06/05/2024 07:53	WG2298539
Styrene	U		0.109	0.500	1	06/05/2024 07:53	WG2298539
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/05/2024 07:53	WG2298539
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/05/2024 07:53	WG2298539



JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/05/2024 07:53	WG2298539
Tetrachloroethene	U		0.0280	0.100	1	06/05/2024 07:53	WG2298539
Toluene	U		0.0500	0.200	1	06/05/2024 07:53	WG2298539
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/05/2024 07:53	WG2298539
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/05/2024 07:53	WG2298539
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/05/2024 07:53	WG2298539
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/05/2024 07:53	WG2298539
Trichloroethene	0.398		0.0160	0.0400	1	06/05/2024 07:53	WG2298539
Trichlorofluoromethane	U		0.0200	0.100	1	06/05/2024 07:53	WG2298539
1,2,3-Trichloropropane	U		0.204	0.500	1	06/05/2024 07:53	WG2298539
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/05/2024 07:53	WG2298539
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/05/2024 07:53	WG2298539
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/05/2024 07:53	WG2298539
Vinyl acetate	U		0.141	0.500	1	06/05/2024 07:53	WG2298539
Vinyl chloride	U		0.0273	0.100	1	06/09/2024 12:52	WG2300439
Xylenes, Total	U		0.191	0.260	1	06/05/2024 07:53	WG2298539
(S) Toluene-d8	99.0			75.0-131		06/05/2024 07:53	WG2298539
(S) Toluene-d8	107			75.0-131		06/09/2024 12:52	WG2300439
(S) 4-Bromofluorobenzene	96.9			67.0-138		06/05/2024 07:53	WG2298539
(S) 4-Bromofluorobenzene	98.1			67.0-138		06/09/2024 12:52	WG2300439
(S) 1,2-Dichloroethane-d4	95.1			70.0-130		06/05/2024 07:53	WG2298539
(S) 1,2-Dichloroethane-d4	92.4			70.0-130		06/09/2024 12:52	WG2300439

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/10/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	UJ C3	0.548	1.00	1	05/27/2024 11:31	WG2298126
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/27/2024 11:31	WG2298126
Benzene	3.24		0.0160	0.0400	1	05/27/2024 11:31	WG2298126
Bromobenzene	U		0.0420	0.500	1	05/27/2024 11:31	WG2298126
Bromochloromethane	U		0.0452	0.200	1	05/27/2024 11:31	WG2298126
Bromodichloromethane	U		0.0315	0.100	1	05/27/2024 11:31	WG2298126
Bromoform	U		0.239	1.00	1	05/27/2024 11:31	WG2298126
Bromomethane	U		0.148	0.500	1	05/27/2024 11:31	WG2298126
n-Butylbenzene	U		0.153	0.500	1	05/27/2024 11:31	WG2298126
sec-Butylbenzene	U		0.101	0.500	1	05/27/2024 11:31	WG2298126
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2024 11:31	WG2298126
Carbon disulfide	U		0.162	0.500	1	05/27/2024 11:31	WG2298126
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2024 11:31	WG2298126
Chlorobenzene	U		0.0229	0.100	1	05/27/2024 11:31	WG2298126
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2024 11:31	WG2298126
Chloroethane	U		0.0432	0.200	1	05/27/2024 11:31	WG2298126
Chloroform	0.0600	J	0.0166	0.100	1	05/27/2024 11:31	WG2298126
Chloromethane	U		0.0556	0.500	1	05/27/2024 11:31	WG2298126
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2024 11:31	WG2298126
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2024 11:31	WG2298126
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/27/2024 11:31	WG2298126
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2024 11:31	WG2298126
Dibromomethane	U		0.0400	0.200	1	05/27/2024 11:31	WG2298126
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2024 11:31	WG2298126
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2024 11:31	WG2298126
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2024 11:31	WG2298126
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/27/2024 11:31	WG2298126
Dichlorodifluoromethane	U		0.0327	0.200	1	05/27/2024 11:31	WG2298126
1,1-Dichloroethane	0.0520	J	0.0230	0.100	1	05/27/2024 11:31	WG2298126
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2024 11:31	WG2298126
1,1-Dichloroethene	1.16		0.0200	0.100	1	05/27/2024 11:31	WG2298126
cis-1,2-Dichloroethene	561		1.38	5.00	50	05/30/2024 21:07	WG2298135
trans-1,2-Dichloroethene	2.34		0.0572	0.200	1	05/27/2024 11:31	WG2298126
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2024 11:31	WG2298126
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2024 11:31	WG2298126
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2024 11:31	WG2298126
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2024 11:31	WG2298126
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2024 11:31	WG2298126
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2024 11:31	WG2298126
Di-isopropyl ether	0.0460		0.0140	0.0400	1	05/27/2024 11:31	WG2298126
Ethylbenzene	U		0.0212	0.100	1	05/27/2024 11:31	WG2298126
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/27/2024 11:31	WG2298126
2-Hexanone	U		0.400	1.00	1	05/27/2024 11:31	WG2298126
n-Hexane	U		0.0424	0.200	1	05/27/2024 11:31	WG2298126
Iodomethane	U		0.242	0.500	1	05/27/2024 11:31	WG2298126
Isopropylbenzene	U		0.0345	0.100	1	05/27/2024 11:31	WG2298126
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2024 11:31	WG2298126
2-Butanone (MEK)	U		0.500	1.00	1	05/27/2024 11:31	WG2298126
Methylene Chloride	U		0.265	1.00	1	05/27/2024 11:31	WG2298126
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2024 11:31	WG2298126
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2024 11:31	WG2298126
Naphthalene	U		0.124	0.500	1	05/27/2024 11:31	WG2298126
n-Propylbenzene	U		0.0472	0.200	1	05/27/2024 11:31	WG2298126
Styrene	U		0.109	0.500	1	05/27/2024 11:31	WG2298126
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2024 11:31	WG2298126
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/27/2024 11:31	WG2298126

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2024 11:31	WG2298126
Tetrachloroethene	15.5		0.0280	0.100	1	05/27/2024 11:31	WG2298126
Toluene	0.138	<u>J</u>	0.0500	0.200	1	05/27/2024 11:31	WG2298126
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/27/2024 11:31	WG2298126
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/27/2024 11:31	WG2298126
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2024 11:31	WG2298126
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2024 11:31	WG2298126
Trichloroethene	7.95		0.0160	0.0400	1	05/27/2024 11:31	WG2298126
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2024 11:31	WG2298126
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2024 11:31	WG2298126
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2024 11:31	WG2298126
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2024 11:31	WG2298126
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2024 11:31	WG2298126
Vinyl acetate	U	UJ <u>C3</u>	0.141	0.500	1	05/27/2024 11:31	WG2298126
Vinyl chloride	195		1.36	5.00	50	05/30/2024 21:07	WG2298135
Xylenes, Total	U		0.191	0.260	1	05/27/2024 11:31	WG2298126
(S) Toluene-d8	102			75.0-131		05/27/2024 11:31	WG2298126
(S) Toluene-d8	108			75.0-131		05/30/2024 21:07	WG2298135
(S) 4-Bromofluorobenzene	91.9			67.0-138		05/27/2024 11:31	WG2298126
(S) 4-Bromofluorobenzene	95.1			67.0-138		05/30/2024 21:07	WG2298135
(S) 1,2-Dichloroethane-d4	97.3			70.0-130		05/27/2024 11:31	WG2298126
(S) 1,2-Dichloroethane-d4	90.2			70.0-130		05/30/2024 21:07	WG2298135

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	05/27/2024 11:50	WG2298126
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/27/2024 11:50	WG2298126
Benzene	U		0.0160	0.0400	1	05/27/2024 11:50	WG2298126
Bromobenzene	U		0.0420	0.500	1	05/27/2024 11:50	WG2298126
Bromochloromethane	U		0.0452	0.200	1	05/27/2024 11:50	WG2298126
Bromodichloromethane	U		0.0315	0.100	1	05/27/2024 11:50	WG2298126
Bromoform	U		0.239	1.00	1	05/27/2024 11:50	WG2298126
Bromomethane	U		0.148	0.500	1	05/27/2024 11:50	WG2298126
n-Butylbenzene	U		0.153	0.500	1	05/27/2024 11:50	WG2298126
sec-Butylbenzene	U		0.101	0.500	1	05/27/2024 11:50	WG2298126
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2024 11:50	WG2298126
Carbon disulfide	U		0.162	0.500	1	05/27/2024 11:50	WG2298126
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2024 11:50	WG2298126
Chlorobenzene	U		0.0229	0.100	1	05/27/2024 11:50	WG2298126
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2024 11:50	WG2298126
Chloroethane	U		0.0432	0.200	1	05/27/2024 11:50	WG2298126
Chloroform	U		0.0166	0.100	1	05/27/2024 11:50	WG2298126
Chloromethane	U		0.0556	0.500	1	05/27/2024 11:50	WG2298126
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2024 11:50	WG2298126
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2024 11:50	WG2298126
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/27/2024 11:50	WG2298126
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2024 11:50	WG2298126
Dibromomethane	U		0.0400	0.200	1	05/27/2024 11:50	WG2298126
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2024 11:50	WG2298126
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2024 11:50	WG2298126
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2024 11:50	WG2298126
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/27/2024 11:50	WG2298126
Dichlorodifluoromethane	U		0.0327	0.200	1	05/27/2024 11:50	WG2298126
1,1-Dichloroethane	U		0.0230	0.100	1	05/27/2024 11:50	WG2298126
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2024 11:50	WG2298126
1,1-Dichloroethene	U		0.0200	0.100	1	05/27/2024 11:50	WG2298126
cis-1,2-Dichloroethene	0.160		0.0276	0.100	1	05/30/2024 16:42	WG2298135
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/27/2024 11:50	WG2298126
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2024 11:50	WG2298126
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2024 11:50	WG2298126
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2024 11:50	WG2298126
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2024 11:50	WG2298126
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2024 11:50	WG2298126
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2024 11:50	WG2298126
Di-isopropyl ether	U		0.0140	0.0400	1	05/27/2024 11:50	WG2298126
Ethylbenzene	U		0.0212	0.100	1	05/27/2024 11:50	WG2298126
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/27/2024 11:50	WG2298126
2-Hexanone	U		0.400	1.00	1	05/27/2024 11:50	WG2298126
n-Hexane	U		0.0424	0.200	1	05/27/2024 11:50	WG2298126
Iodomethane	U		0.242	0.500	1	05/27/2024 11:50	WG2298126
Isopropylbenzene	U		0.0345	0.100	1	05/27/2024 11:50	WG2298126
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2024 11:50	WG2298126
2-Butanone (MEK)	U		0.500	1.00	1	05/27/2024 11:50	WG2298126
Methylene Chloride	U		0.265	1.00	1	05/27/2024 11:50	WG2298126
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2024 11:50	WG2298126
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2024 11:50	WG2298126
Naphthalene	U		0.124	0.500	1	05/27/2024 11:50	WG2298126
n-Propylbenzene	U		0.0472	0.200	1	05/27/2024 11:50	WG2298126
Styrene	U		0.109	0.500	1	05/27/2024 11:50	WG2298126
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2024 11:50	WG2298126
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/27/2024 11:50	WG2298126

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/9/24

MW-311-052124

SAMPLE RESULTS - 02

Collected date/time: 05/21/24 13:10

L1739256

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2024 11:50	WG2298126
Tetrachloroethene	U		0.0280	0.100	1	05/27/2024 11:50	WG2298126
Toluene	U		0.0500	0.200	1	05/27/2024 11:50	WG2298126
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/27/2024 11:50	WG2298126
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/27/2024 11:50	WG2298126
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2024 11:50	WG2298126
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2024 11:50	WG2298126
Trichloroethene	0.108		0.0160	0.0400	1	05/27/2024 11:50	WG2298126
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2024 11:50	WG2298126
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2024 11:50	WG2298126
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2024 11:50	WG2298126
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2024 11:50	WG2298126
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2024 11:50	WG2298126
Vinyl acetate	U	UJ C3	0.141	0.500	1	05/27/2024 11:50	WG2298126
Vinyl chloride	1.28		0.0273	0.100	1	05/30/2024 16:42	WG2298135
Xylenes, Total	U		0.191	0.260	1	05/27/2024 11:50	WG2298126
(S) Toluene-d8	101			75.0-131		05/27/2024 11:50	WG2298126
(S) Toluene-d8	107			75.0-131		05/30/2024 16:42	WG2298135
(S) 4-Bromofluorobenzene	96.1			67.0-138		05/27/2024 11:50	WG2298126
(S) 4-Bromofluorobenzene	95.9			67.0-138		05/30/2024 16:42	WG2298135
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/27/2024 11:50	WG2298126
(S) 1,2-Dichloroethane-d4	93.5			70.0-130		05/30/2024 16:42	WG2298135

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

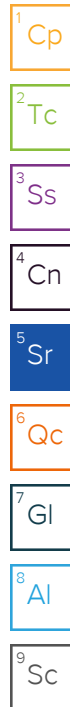
7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	UJ C3	0.548	1.00	1	05/27/2024 12:10	WG2298126
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/27/2024 12:10	WG2298126
Benzene	0.116		0.0160	0.0400	1	05/27/2024 12:10	WG2298126
Bromobenzene	U		0.0420	0.500	1	05/27/2024 12:10	WG2298126
Bromochloromethane	U		0.0452	0.200	1	05/27/2024 12:10	WG2298126
Bromodichloromethane	U		0.0315	0.100	1	05/27/2024 12:10	WG2298126
Bromoform	U		0.239	1.00	1	05/27/2024 12:10	WG2298126
Bromomethane	U		0.148	0.500	1	05/27/2024 12:10	WG2298126
n-Butylbenzene	U		0.153	0.500	1	05/27/2024 12:10	WG2298126
sec-Butylbenzene	U		0.101	0.500	1	05/27/2024 12:10	WG2298126
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2024 12:10	WG2298126
Carbon disulfide	U		0.162	0.500	1	05/27/2024 12:10	WG2298126
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2024 12:10	WG2298126
Chlorobenzene	U		0.0229	0.100	1	05/27/2024 12:10	WG2298126
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2024 12:10	WG2298126
Chloroethane	U		0.0432	0.200	1	05/27/2024 12:10	WG2298126
Chloroform	U		0.0166	0.100	1	05/27/2024 12:10	WG2298126
Chloromethane	U		0.0556	0.500	1	05/27/2024 12:10	WG2298126
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2024 12:10	WG2298126
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2024 12:10	WG2298126
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/27/2024 12:10	WG2298126
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2024 12:10	WG2298126
Dibromomethane	U		0.0400	0.200	1	05/27/2024 12:10	WG2298126
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2024 12:10	WG2298126
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2024 12:10	WG2298126
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2024 12:10	WG2298126
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/27/2024 12:10	WG2298126
Dichlorodifluoromethane	U		0.0327	0.200	1	05/27/2024 12:10	WG2298126
1,1-Dichloroethane	U		0.0230	0.100	1	05/27/2024 12:10	WG2298126
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2024 12:10	WG2298126
1,1-Dichloroethene	U		0.0200	0.100	1	05/27/2024 12:10	WG2298126
cis-1,2-Dichloroethene	1.44		0.0276	0.100	1	05/27/2024 12:10	WG2298126
trans-1,2-Dichloroethene	0.0720	J	0.0572	0.200	1	05/27/2024 12:10	WG2298126
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2024 12:10	WG2298126
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2024 12:10	WG2298126
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2024 12:10	WG2298126
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2024 12:10	WG2298126
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2024 12:10	WG2298126
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2024 12:10	WG2298126
Di-isopropyl ether	U		0.0140	0.0400	1	05/27/2024 12:10	WG2298126
Ethylbenzene	U		0.0212	0.100	1	05/27/2024 12:10	WG2298126
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/27/2024 12:10	WG2298126
2-Hexanone	U		0.400	1.00	1	05/27/2024 12:10	WG2298126
n-Hexane	U		0.0424	0.200	1	05/27/2024 12:10	WG2298126
Iodomethane	U		0.242	0.500	1	05/27/2024 12:10	WG2298126
Isopropylbenzene	U		0.0345	0.100	1	05/27/2024 12:10	WG2298126
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2024 12:10	WG2298126
2-Butanone (MEK)	U		0.500	1.00	1	05/27/2024 12:10	WG2298126
Methylene Chloride	U		0.265	1.00	1	05/27/2024 12:10	WG2298126
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2024 12:10	WG2298126
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2024 12:10	WG2298126
Naphthalene	U		0.124	0.500	1	05/27/2024 12:10	WG2298126
n-Propylbenzene	U		0.0472	0.200	1	05/27/2024 12:10	WG2298126
Styrene	U		0.109	0.500	1	05/27/2024 12:10	WG2298126
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2024 12:10	WG2298126
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/27/2024 12:10	WG2298126



JC 7/9/24

ACCOUNT:

PES Environmental, Inc.- WA

PROJECT:

443022-1413001.10

SDG:

L1739256

DATE/TIME:

07/02/24 08:59

PAGE:

11 of 65

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2024 12:10	WG2298126
Tetrachloroethene	0.0280	J	0.0280	0.100	1	05/27/2024 12:10	WG2298126
Toluene	U		0.0500	0.200	1	05/27/2024 12:10	WG2298126
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/27/2024 12:10	WG2298126
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/27/2024 12:10	WG2298126
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2024 12:10	WG2298126
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2024 12:10	WG2298126
Trichloroethene	U		0.0160	0.0400	1	05/27/2024 12:10	WG2298126
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2024 12:10	WG2298126
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2024 12:10	WG2298126
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2024 12:10	WG2298126
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2024 12:10	WG2298126
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2024 12:10	WG2298126
Vinyl acetate	U	UJ C3	0.141	0.500	1	05/27/2024 12:10	WG2298126
Vinyl chloride	0.166		0.0273	0.100	1	05/30/2024 17:03	WG2298135
Xylenes, Total	U		0.191	0.260	1	05/27/2024 12:10	WG2298126
(S) Toluene-d8	99.6			75.0-131		05/27/2024 12:10	WG2298126
(S) Toluene-d8	107			75.0-131		05/30/2024 17:03	WG2298135
(S) 4-Bromofluorobenzene	96.6			67.0-138		05/27/2024 12:10	WG2298126
(S) 4-Bromofluorobenzene	95.9			67.0-138		05/30/2024 17:03	WG2298135
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/27/2024 12:10	WG2298126
(S) 1,2-Dichloroethane-d4	93.0			70.0-130		05/30/2024 17:03	WG2298135

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

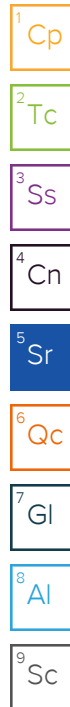
7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	UJ C3	0.548	1.00	1	05/27/2024 12:29	WG2298126
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/27/2024 12:29	WG2298126
Benzene	U		0.0160	0.0400	1	05/27/2024 12:29	WG2298126
Bromobenzene	U		0.0420	0.500	1	05/27/2024 12:29	WG2298126
Bromochloromethane	U		0.0452	0.200	1	05/27/2024 12:29	WG2298126
Bromodichloromethane	U		0.0315	0.100	1	05/27/2024 12:29	WG2298126
Bromoform	U		0.239	1.00	1	05/27/2024 12:29	WG2298126
Bromomethane	U		0.148	0.500	1	05/27/2024 12:29	WG2298126
n-Butylbenzene	U		0.153	0.500	1	05/27/2024 12:29	WG2298126
sec-Butylbenzene	U		0.101	0.500	1	05/27/2024 12:29	WG2298126
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2024 12:29	WG2298126
Carbon disulfide	U		0.162	0.500	1	05/27/2024 12:29	WG2298126
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2024 12:29	WG2298126
Chlorobenzene	U		0.0229	0.100	1	05/27/2024 12:29	WG2298126
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2024 12:29	WG2298126
Chloroethane	U		0.0432	0.200	1	05/27/2024 12:29	WG2298126
Chloroform	U		0.0166	0.100	1	05/27/2024 12:29	WG2298126
Chloromethane	U		0.0556	0.500	1	05/27/2024 12:29	WG2298126
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2024 12:29	WG2298126
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2024 12:29	WG2298126
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/27/2024 12:29	WG2298126
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2024 12:29	WG2298126
Dibromomethane	U		0.0400	0.200	1	05/27/2024 12:29	WG2298126
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2024 12:29	WG2298126
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2024 12:29	WG2298126
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2024 12:29	WG2298126
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/27/2024 12:29	WG2298126
Dichlorodifluoromethane	U		0.0327	0.200	1	05/27/2024 12:29	WG2298126
1,1-Dichloroethane	U		0.0230	0.100	1	05/27/2024 12:29	WG2298126
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2024 12:29	WG2298126
1,1-Dichloroethene	U		0.0200	0.100	1	05/27/2024 12:29	WG2298126
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/27/2024 12:29	WG2298126
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/27/2024 12:29	WG2298126
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2024 12:29	WG2298126
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2024 12:29	WG2298126
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2024 12:29	WG2298126
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2024 12:29	WG2298126
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2024 12:29	WG2298126
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2024 12:29	WG2298126
Di-isopropyl ether	U		0.0140	0.0400	1	05/27/2024 12:29	WG2298126
Ethylbenzene	U		0.0212	0.100	1	05/27/2024 12:29	WG2298126
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/27/2024 12:29	WG2298126
2-Hexanone	U		0.400	1.00	1	05/27/2024 12:29	WG2298126
n-Hexane	U		0.0424	0.200	1	05/27/2024 12:29	WG2298126
Iodomethane	U		0.242	0.500	1	05/27/2024 12:29	WG2298126
Isopropylbenzene	U		0.0345	0.100	1	05/27/2024 12:29	WG2298126
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2024 12:29	WG2298126
2-Butanone (MEK)	U		0.500	1.00	1	05/27/2024 12:29	WG2298126
Methylene Chloride	U		0.265	1.00	1	05/27/2024 12:29	WG2298126
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2024 12:29	WG2298126
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2024 12:29	WG2298126
Naphthalene	U		0.124	0.500	1	05/27/2024 12:29	WG2298126
n-Propylbenzene	U		0.0472	0.200	1	05/27/2024 12:29	WG2298126
Styrene	U		0.109	0.500	1	05/27/2024 12:29	WG2298126
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2024 12:29	WG2298126
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/27/2024 12:29	WG2298126



JC 7/9/24

ACCOUNT:

PES Environmental, Inc.- WA

PROJECT:

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SDG:

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DATE/TIME:

07/02/24 08:59

PAGE:

13 of 65

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2024 12:29	WG2298126
Tetrachloroethene	0.0580	J	0.0280	0.100	1	05/27/2024 12:29	WG2298126
Toluene	U		0.0500	0.200	1	05/27/2024 12:29	WG2298126
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/27/2024 12:29	WG2298126
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/27/2024 12:29	WG2298126
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2024 12:29	WG2298126
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2024 12:29	WG2298126
Trichloroethene	U		0.0160	0.0400	1	05/27/2024 12:29	WG2298126
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2024 12:29	WG2298126
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2024 12:29	WG2298126
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2024 12:29	WG2298126
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2024 12:29	WG2298126
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2024 12:29	WG2298126
Vinyl acetate	U	UJ C3	0.141	0.500	1	05/27/2024 12:29	WG2298126
Vinyl chloride	U		0.0273	0.100	1	05/27/2024 12:29	WG2298126
Xylenes, Total	U		0.191	0.260	1	05/27/2024 12:29	WG2298126
(S) Toluene-d8	103			75.0-131		05/27/2024 12:29	WG2298126
(S) 4-Bromofluorobenzene	93.1			67.0-138		05/27/2024 12:29	WG2298126
(S) 1,2-Dichloroethane-d4	99.6			70.0-130		05/27/2024 12:29	WG2298126

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	UJ C3	0.548	1.00	1	05/27/2024 12:49	WG2298126
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/27/2024 12:49	WG2298126
Benzene	U		0.0160	0.0400	1	05/27/2024 12:49	WG2298126
Bromobenzene	U		0.0420	0.500	1	05/27/2024 12:49	WG2298126
Bromochloromethane	U		0.0452	0.200	1	05/27/2024 12:49	WG2298126
Bromodichloromethane	U		0.0315	0.100	1	05/27/2024 12:49	WG2298126
Bromoform	U		0.239	1.00	1	05/27/2024 12:49	WG2298126
Bromomethane	U		0.148	0.500	1	05/27/2024 12:49	WG2298126
n-Butylbenzene	U		0.153	0.500	1	05/27/2024 12:49	WG2298126
sec-Butylbenzene	U		0.101	0.500	1	05/27/2024 12:49	WG2298126
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2024 12:49	WG2298126
Carbon disulfide	U		0.162	0.500	1	05/27/2024 12:49	WG2298126
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2024 12:49	WG2298126
Chlorobenzene	U		0.0229	0.100	1	05/27/2024 12:49	WG2298126
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2024 12:49	WG2298126
Chloroethane	U		0.0432	0.200	1	05/27/2024 12:49	WG2298126
Chloroform	U		0.0166	0.100	1	05/27/2024 12:49	WG2298126
Chloromethane	U		0.0556	0.500	1	05/27/2024 12:49	WG2298126
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2024 12:49	WG2298126
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2024 12:49	WG2298126
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/27/2024 12:49	WG2298126
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2024 12:49	WG2298126
Dibromomethane	U		0.0400	0.200	1	05/27/2024 12:49	WG2298126
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2024 12:49	WG2298126
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2024 12:49	WG2298126
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2024 12:49	WG2298126
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/27/2024 12:49	WG2298126
Dichlorodifluoromethane	U		0.0327	0.200	1	05/27/2024 12:49	WG2298126
1,1-Dichloroethane	0.753		0.0230	0.100	1	05/27/2024 12:49	WG2298126
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2024 12:49	WG2298126
1,1-Dichloroethene	U		0.0200	0.100	1	05/27/2024 12:49	WG2298126
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/27/2024 12:49	WG2298126
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/27/2024 12:49	WG2298126
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2024 12:49	WG2298126
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2024 12:49	WG2298126
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2024 12:49	WG2298126
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2024 12:49	WG2298126
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2024 12:49	WG2298126
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2024 12:49	WG2298126
Di-isopropyl ether	U		0.0140	0.0400	1	05/27/2024 12:49	WG2298126
Ethylbenzene	U		0.0212	0.100	1	05/27/2024 12:49	WG2298126
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/27/2024 12:49	WG2298126
2-Hexanone	U		0.400	1.00	1	05/27/2024 12:49	WG2298126
n-Hexane	U		0.0424	0.200	1	05/27/2024 12:49	WG2298126
Iodomethane	U		0.242	0.500	1	05/27/2024 12:49	WG2298126
Isopropylbenzene	U		0.0345	0.100	1	05/27/2024 12:49	WG2298126
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2024 12:49	WG2298126
2-Butanone (MEK)	U		0.500	1.00	1	05/27/2024 12:49	WG2298126
Methylene Chloride	U		0.265	1.00	1	05/27/2024 12:49	WG2298126
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2024 12:49	WG2298126
Methyl tert-butyl ether	0.0160	J	0.0118	0.0400	1	05/27/2024 12:49	WG2298126
Naphthalene	U		0.124	0.500	1	05/27/2024 12:49	WG2298126
n-Propylbenzene	U		0.0472	0.200	1	05/27/2024 12:49	WG2298126
Styrene	U		0.109	0.500	1	05/27/2024 12:49	WG2298126
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2024 12:49	WG2298126
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/27/2024 12:49	WG2298126

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/9/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2024 12:49	WG2298126
Tetrachloroethene	U		0.0280	0.100	1	05/27/2024 12:49	WG2298126
Toluene	U		0.0500	0.200	1	05/27/2024 12:49	WG2298126
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/27/2024 12:49	WG2298126
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/27/2024 12:49	WG2298126
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2024 12:49	WG2298126
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2024 12:49	WG2298126
Trichloroethene	U		0.0160	0.0400	1	05/27/2024 12:49	WG2298126
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2024 12:49	WG2298126
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2024 12:49	WG2298126
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2024 12:49	WG2298126
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2024 12:49	WG2298126
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2024 12:49	WG2298126
Vinyl acetate	U	UJ C3	0.141	0.500	1	05/27/2024 12:49	WG2298126
Vinyl chloride	0.347		0.0273	0.100	1	05/27/2024 12:49	WG2298126
Xylenes, Total	U		0.191	0.260	1	05/27/2024 12:49	WG2298126
(S) Toluene-d8	100			75.0-131		05/27/2024 12:49	WG2298126
(S) 4-Bromofluorobenzene	93.3			67.0-138		05/27/2024 12:49	WG2298126
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/27/2024 12:49	WG2298126

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

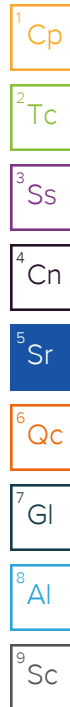
7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	UJ C3	0.548	1.00	1	05/27/2024 13:09	WG2298126
Acrylonitrile	U	UJ C3	0.0760	0.500	1	05/27/2024 13:09	WG2298126
Benzene	0.0780		0.0160	0.0400	1	05/27/2024 13:09	WG2298126
Bromobenzene	U		0.0420	0.500	1	05/27/2024 13:09	WG2298126
Bromochloromethane	U		0.0452	0.200	1	05/27/2024 13:09	WG2298126
Bromodichloromethane	U		0.0315	0.100	1	05/27/2024 13:09	WG2298126
Bromoform	U		0.239	1.00	1	05/27/2024 13:09	WG2298126
Bromomethane	U		0.148	0.500	1	05/27/2024 13:09	WG2298126
n-Butylbenzene	U		0.153	0.500	1	05/27/2024 13:09	WG2298126
sec-Butylbenzene	U		0.101	0.500	1	05/27/2024 13:09	WG2298126
tert-Butylbenzene	U		0.0620	0.200	1	05/27/2024 13:09	WG2298126
Carbon disulfide	U		0.162	0.500	1	05/27/2024 13:09	WG2298126
Carbon tetrachloride	U		0.0432	0.200	1	05/27/2024 13:09	WG2298126
Chlorobenzene	U		0.0229	0.100	1	05/27/2024 13:09	WG2298126
Chlorodibromomethane	U		0.0180	0.100	1	05/27/2024 13:09	WG2298126
Chloroethane	U		0.0432	0.200	1	05/27/2024 13:09	WG2298126
Chloroform	U		0.0166	0.100	1	05/27/2024 13:09	WG2298126
Chloromethane	U		0.0556	0.500	1	05/27/2024 13:09	WG2298126
2-Chlorotoluene	U		0.0368	0.100	1	05/27/2024 13:09	WG2298126
4-Chlorotoluene	U		0.0452	0.200	1	05/27/2024 13:09	WG2298126
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/27/2024 13:09	WG2298126
1,2-Dibromoethane	U		0.0210	0.100	1	05/27/2024 13:09	WG2298126
Dibromomethane	U		0.0400	0.200	1	05/27/2024 13:09	WG2298126
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/27/2024 13:09	WG2298126
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/27/2024 13:09	WG2298126
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/27/2024 13:09	WG2298126
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/27/2024 13:09	WG2298126
Dichlorodifluoromethane	U		0.0327	0.200	1	05/27/2024 13:09	WG2298126
1,1-Dichloroethane	U		0.0230	0.100	1	05/27/2024 13:09	WG2298126
1,2-Dichloroethane	U		0.0190	0.100	1	05/27/2024 13:09	WG2298126
1,1-Dichloroethene	U		0.0200	0.100	1	05/27/2024 13:09	WG2298126
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/27/2024 13:09	WG2298126
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/27/2024 13:09	WG2298126
1,2-Dichloropropane	U		0.0508	0.200	1	05/27/2024 13:09	WG2298126
1,1-Dichloropropene	U		0.0280	0.100	1	05/27/2024 13:09	WG2298126
1,3-Dichloropropane	U		0.0700	0.200	1	05/27/2024 13:09	WG2298126
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/27/2024 13:09	WG2298126
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/27/2024 13:09	WG2298126
2,2-Dichloropropane	U		0.0317	0.100	1	05/27/2024 13:09	WG2298126
Di-isopropyl ether	U		0.0140	0.0400	1	05/27/2024 13:09	WG2298126
Ethylbenzene	U		0.0212	0.100	1	05/27/2024 13:09	WG2298126
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/27/2024 13:09	WG2298126
2-Hexanone	U		0.400	1.00	1	05/27/2024 13:09	WG2298126
n-Hexane	U		0.0424	0.200	1	05/27/2024 13:09	WG2298126
Iodomethane	U		0.242	0.500	1	05/27/2024 13:09	WG2298126
Isopropylbenzene	U		0.0345	0.100	1	05/27/2024 13:09	WG2298126
p-Isopropyltoluene	U		0.0932	0.200	1	05/27/2024 13:09	WG2298126
2-Butanone (MEK)	U		0.500	1.00	1	05/27/2024 13:09	WG2298126
Methylene Chloride	U		0.265	1.00	1	05/27/2024 13:09	WG2298126
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/27/2024 13:09	WG2298126
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/27/2024 13:09	WG2298126
Naphthalene	U		0.124	0.500	1	05/27/2024 13:09	WG2298126
n-Propylbenzene	U		0.0472	0.200	1	05/27/2024 13:09	WG2298126
Styrene	U		0.109	0.500	1	05/27/2024 13:09	WG2298126
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/27/2024 13:09	WG2298126
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/27/2024 13:09	WG2298126



JC 7/9/24

ACCOUNT:

PES Environmental, Inc.- WA

PROJECT:

443022-1413001.10

SDG:

L1739256

DATE/TIME:

07/02/24 08:59

PAGE:

17 of 65

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/27/2024 13:09	WG2298126
Tetrachloroethene	U		0.0280	0.100	1	05/27/2024 13:09	WG2298126
Toluene	U		0.0500	0.200	1	05/27/2024 13:09	WG2298126
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	05/27/2024 13:09	WG2298126
1,2,4-Trichlorobenzene	U		0.193	0.500	1	05/27/2024 13:09	WG2298126
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/27/2024 13:09	WG2298126
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/27/2024 13:09	WG2298126
Trichloroethene	U		0.0160	0.0400	1	05/27/2024 13:09	WG2298126
Trichlorofluoromethane	U		0.0200	0.100	1	05/27/2024 13:09	WG2298126
1,2,3-Trichloropropane	U		0.204	0.500	1	05/27/2024 13:09	WG2298126
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/27/2024 13:09	WG2298126
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/27/2024 13:09	WG2298126
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/27/2024 13:09	WG2298126
Vinyl acetate	U	UJ C3	0.141	0.500	1	05/27/2024 13:09	WG2298126
Vinyl chloride	0.651		0.0273	0.100	1	05/27/2024 13:09	WG2298126
Xylenes, Total	U		0.191	0.260	1	05/27/2024 13:09	WG2298126
(S) Toluene-d8	98.7			75.0-131		05/27/2024 13:09	WG2298126
(S) 4-Bromofluorobenzene	97.7			67.0-138		05/27/2024 13:09	WG2298126
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/27/2024 13:09	WG2298126

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Sulfate	22800		594	5000	1	06/05/2024 20:11	WG2298975

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Wet Chemistry by Method 9060A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	7280		102	1000	1	06/03/2024 14:39	WG2297310

Metals (ICPMS) by Method 6020B

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Iron	4820		281	1000	10	07/01/2024 22:22	WG2294964
Manganese	3910		7.04	50.0	10	07/01/2024 22:22	WG2294964

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Methane	2920		0.287	0.678	1	05/30/2024 14:44	WG2294723
Ethane	33.6		0.296	1.29	1	05/30/2024 14:44	WG2294723
Ethene	1.14	J	0.422	1.27	1	05/30/2024 14:44	WG2294723

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	11.3	U	~~C3 J~~	11.0	20.0	20	05/27/2024 13:28	WG2298126
Acrylonitrile	U	UJ	~~C3~~	1.52	10.0	20	05/27/2024 13:28	WG2298126
Benzene	U		0.320	0.800	20	05/27/2024 13:28	WG2298126	
Bromobenzene	U		0.840	10.0	20	05/27/2024 13:28	WG2298126	
Bromochloromethane	U		0.904	4.00	20	05/27/2024 13:28	WG2298126	
Bromodichloromethane	U		0.630	2.00	20	05/27/2024 13:28	WG2298126	
Bromoform	U		4.78	20.0	20	05/27/2024 13:28	WG2298126	
Bromomethane	U		2.96	10.0	20	05/27/2024 13:28	WG2298126	
n-Butylbenzene	U		3.06	10.0	20	05/27/2024 13:28	WG2298126	
sec-Butylbenzene	U		2.02	10.0	20	05/27/2024 13:28	WG2298126	
tert-Butylbenzene	U		1.24	4.00	20	05/27/2024 13:28	WG2298126	
Carbon disulfide	U		3.24	10.0	20	05/27/2024 13:28	WG2298126	
Carbon tetrachloride	U		0.864	4.00	20	05/27/2024 13:28	WG2298126	
Chlorobenzene	U		0.458	2.00	20	05/27/2024 13:28	WG2298126	
Chlorodibromomethane	U		0.360	2.00	20	05/27/2024 13:28	WG2298126	
Chloroethane	U		0.864	4.00	20	05/27/2024 13:28	WG2298126	
Chloroform	U		0.332	2.00	20	05/27/2024 13:28	WG2298126	
Chloromethane	U		1.11	10.0	20	05/27/2024 13:28	WG2298126	
2-Chlorotoluene	U		0.736	2.00	20	05/27/2024 13:28	WG2298126	
4-Chlorotoluene	U		0.904	4.00	20	05/27/2024 13:28	WG2298126	
1,2-Dibromo-3-Chloropropane	U		4.08	20.0	20	05/27/2024 13:28	WG2298126	
1,2-Dibromoethane	U		0.420	2.00	20	05/27/2024 13:28	WG2298126	
Dibromomethane	U		0.800	4.00	20	05/27/2024 13:28	WG2298126	
1,2-Dichlorobenzene	U		1.16	4.00	20	05/27/2024 13:28	WG2298126	
1,3-Dichlorobenzene	U		1.36	4.00	20	05/27/2024 13:28	WG2298126	
1,4-Dichlorobenzene	U		1.58	4.00	20	05/27/2024 13:28	WG2298126	
trans-1,4-Dichloro-2-butene	U		1.12	4.00	20	05/27/2024 13:28	WG2298126	
Dichlorodifluoromethane	U		0.654	4.00	20	05/27/2024 13:28	WG2298126	
1,1-Dichloroethane	U		0.460	2.00	20	05/27/2024 13:28	WG2298126	
1,2-Dichloroethane	U		0.380	2.00	20	05/27/2024 13:28	WG2298126	
1,1-Dichloroethene	0.800	J	0.400	2.00	20	05/27/2024 13:28	WG2298126	

JC 7/9/24

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
cis-1,2-Dichloroethene	327		0.552	2.00	20	05/27/2024 13:28	WG2298126
trans-1,2-Dichloroethene	2.18	J	1.14	4.00	20	05/27/2024 13:28	WG2298126
1,2-Dichloropropane	U		1.02	4.00	20	05/27/2024 13:28	WG2298126
1,1-Dichloropropene	U		0.560	2.00	20	05/27/2024 13:28	WG2298126
1,3-Dichloropropane	U		1.40	4.00	20	05/27/2024 13:28	WG2298126
cis-1,3-Dichloropropene	U		0.542	2.00	20	05/27/2024 13:28	WG2298126
trans-1,3-Dichloropropene	U		1.22	4.00	20	05/27/2024 13:28	WG2298126
2,2-Dichloropropane	U		0.634	2.00	20	05/27/2024 13:28	WG2298126
Di-isopropyl ether	U		0.280	0.800	20	05/27/2024 13:28	WG2298126
Ethylbenzene	U		0.424	2.00	20	05/27/2024 13:28	WG2298126
Hexachloro-1,3-butadiene	U		10.2	20.0	20	05/27/2024 13:28	WG2298126
2-Hexanone	U		8.00	20.0	20	05/27/2024 13:28	WG2298126
n-Hexane	U		0.848	4.00	20	05/27/2024 13:28	WG2298126
Iodomethane	U		4.84	10.0	20	05/27/2024 13:28	WG2298126
Isopropylbenzene	U		0.690	2.00	20	05/27/2024 13:28	WG2298126
p-Isopropyltoluene	U		1.86	4.00	20	05/27/2024 13:28	WG2298126
2-Butanone (MEK)	U		10.0	20.0	20	05/27/2024 13:28	WG2298126
Methylene Chloride	U		5.30	20.0	20	05/27/2024 13:28	WG2298126
4-Methyl-2-pentanone (MIBK)	U		8.00	20.0	20	05/27/2024 13:28	WG2298126
Methyl tert-butyl ether	U		0.236	0.800	20	05/27/2024 13:28	WG2298126
Naphthalene	U		2.48	10.0	20	05/27/2024 13:28	WG2298126
n-Propylbenzene	U		0.944	4.00	20	05/27/2024 13:28	WG2298126
Styrene	U		2.18	10.0	20	05/27/2024 13:28	WG2298126
1,1,1,2-Tetrachloroethane	U		0.400	2.00	20	05/27/2024 13:28	WG2298126
1,1,2,2-Tetrachloroethane	U		0.312	2.00	20	05/27/2024 13:28	WG2298126
1,1,2-Trichlorotrifluoroethane	U		0.540	2.00	20	05/27/2024 13:28	WG2298126
Tetrachloroethene	180		0.560	2.00	20	05/27/2024 13:28	WG2298126
Toluene	U		1.00	4.00	20	05/27/2024 13:28	WG2298126
1,2,3-Trichlorobenzene	U		0.500	10.0	20	05/27/2024 13:28	WG2298126
1,2,4-Trichlorobenzene	U		3.86	10.0	20	05/27/2024 13:28	WG2298126
1,1,1-Trichloroethane	U		0.220	2.00	20	05/27/2024 13:28	WG2298126
1,1,2-Trichloroethane	U		0.706	2.00	20	05/27/2024 13:28	WG2298126
Trichloroethene	85.7		0.320	0.800	20	05/27/2024 13:28	WG2298126
Trichlorofluoromethane	U		0.400	2.00	20	05/27/2024 13:28	WG2298126
1,2,3-Trichloropropane	U		4.08	10.0	20	05/27/2024 13:28	WG2298126
1,2,4-Trimethylbenzene	U		0.928	4.00	20	05/27/2024 13:28	WG2298126
1,2,3-Trimethylbenzene	U		0.920	4.00	20	05/27/2024 13:28	WG2298126
1,3,5-Trimethylbenzene	U		0.864	4.00	20	05/27/2024 13:28	WG2298126
Vinyl acetate	U	UJ C3	2.82	10.0	20	05/27/2024 13:28	WG2298126
Vinyl chloride	6.70		0.546	2.00	20	05/27/2024 13:28	WG2298126
Xylenes, Total	U		3.82	5.20	20	05/27/2024 13:28	WG2298126
(S) Toluene-d8	99.6			75.0-131		05/27/2024 13:28	WG2298126
(S) 4-Bromofluorobenzene	95.4			67.0-138		05/27/2024 13:28	WG2298126
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/27/2024 13:28	WG2298126

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	1.38	U	~~C5 J4~~	0.548	1.00	1	05/28/2024 07:49	WG2293937
Acrylonitrile	U		~~J3~~	0.0760	0.500	1	05/28/2024 07:49	WG2293937
Benzene	0.0290		~~J~~	0.0160	0.0400	1	05/28/2024 07:49	WG2293937
Bromobenzene	U			0.0420	0.500	1	05/28/2024 07:49	WG2293937
Bromochloromethane	U			0.0452	0.200	1	05/28/2024 07:49	WG2293937
Bromodichloromethane	U			0.0315	0.100	1	05/28/2024 07:49	WG2293937
Bromoform	U			0.239	1.00	1	05/28/2024 07:49	WG2293937
Bromomethane	U			0.148	0.500	1	05/28/2024 07:49	WG2293937
n-Butylbenzene	U			0.153	0.500	1	05/28/2024 07:49	WG2293937
sec-Butylbenzene	U			0.101	0.500	1	05/28/2024 07:49	WG2293937
tert-Butylbenzene	U			0.0620	0.200	1	05/28/2024 07:49	WG2293937
Carbon disulfide	U			0.162	0.500	1	05/28/2024 07:49	WG2293937
Carbon tetrachloride	U			0.0432	0.200	1	05/28/2024 07:49	WG2293937
Chlorobenzene	U			0.0229	0.100	1	05/28/2024 07:49	WG2293937
Chlorodibromomethane	U			0.0180	0.100	1	05/28/2024 07:49	WG2293937
Chloroethane	U			0.0432	0.200	1	05/28/2024 07:49	WG2293937
Chloroform	U			0.0166	0.100	1	05/28/2024 07:49	WG2293937
Chloromethane	U			0.0556	0.500	1	05/28/2024 07:49	WG2293937
2-Chlorotoluene	U			0.0368	0.100	1	05/28/2024 07:49	WG2293937
4-Chlorotoluene	U			0.0452	0.200	1	05/28/2024 07:49	WG2293937
1,2-Dibromo-3-Chloropropane	U			0.204	1.00	1	05/28/2024 07:49	WG2293937
1,2-Dibromoethane	U			0.0210	0.100	1	05/28/2024 07:49	WG2293937
Dibromomethane	U			0.0400	0.200	1	05/28/2024 07:49	WG2293937
1,2-Dichlorobenzene	U			0.0580	0.200	1	05/28/2024 07:49	WG2293937
1,3-Dichlorobenzene	U			0.0680	0.200	1	05/28/2024 07:49	WG2293937
1,4-Dichlorobenzene	U			0.0788	0.200	1	05/28/2024 07:49	WG2293937
trans-1,4-Dichloro-2-butene	U			0.0560	0.200	1	05/28/2024 07:49	WG2293937
Dichlorodifluoromethane	U			0.0327	0.200	1	05/28/2024 07:49	WG2293937
1,1-Dichloroethane	U			0.0230	0.100	1	05/28/2024 07:49	WG2293937
1,2-Dichloroethane	U			0.0190	0.100	1	05/28/2024 07:49	WG2293937
1,1-Dichloroethene	U			0.0200	0.100	1	05/28/2024 07:49	WG2293937
cis-1,2-Dichloroethene	0.604			0.0276	0.100	1	05/28/2024 07:49	WG2293937
trans-1,2-Dichloroethene	U			0.0572	0.200	1	05/28/2024 07:49	WG2293937
1,2-Dichloropropane	U			0.0508	0.200	1	05/28/2024 07:49	WG2293937
1,1-Dichloropropene	U			0.0280	0.100	1	05/28/2024 07:49	WG2293937
1,3-Dichloropropane	U			0.0700	0.200	1	05/28/2024 07:49	WG2293937
cis-1,3-Dichloropropene	U			0.0271	0.100	1	05/28/2024 07:49	WG2293937
trans-1,3-Dichloropropene	U			0.0612	0.200	1	05/28/2024 07:49	WG2293937
2,2-Dichloropropane	U			0.0317	0.100	1	05/28/2024 07:49	WG2293937
Di-isopropyl ether	U			0.0140	0.0400	1	05/28/2024 07:49	WG2293937
Ethylbenzene	U			0.0212	0.100	1	05/28/2024 07:49	WG2293937
Hexachloro-1,3-butadiene	U			0.508	1.00	1	05/28/2024 07:49	WG2293937
2-Hexanone	U			0.400	1.00	1	05/28/2024 07:49	WG2293937
n-Hexane	U			0.0424	0.200	1	05/28/2024 07:49	WG2293937
Iodomethane	U			0.242	0.500	1	05/28/2024 07:49	WG2293937
Isopropylbenzene	U			0.0345	0.100	1	05/28/2024 07:49	WG2293937
p-Isopropyltoluene	U			0.0932	0.200	1	05/28/2024 07:49	WG2293937
2-Butanone (MEK)	U		~~J3~~	0.500	1.00	1	05/28/2024 07:49	WG2293937
Methylene Chloride	U			0.265	1.00	1	05/28/2024 07:49	WG2293937
4-Methyl-2-pentanone (MIBK)	U			0.400	1.00	1	05/28/2024 07:49	WG2293937
Methyl tert-butyl ether	U			0.0118	0.0400	1	05/28/2024 07:49	WG2293937
Naphthalene	U	UJ	~~C3 J3~~	0.124	0.500	1	05/28/2024 07:49	WG2293937
n-Propylbenzene	U			0.0472	0.200	1	05/28/2024 07:49	WG2293937
Styrene	U			0.109	0.500	1	05/28/2024 07:49	WG2293937
1,1,1,2-Tetrachloroethane	U			0.0200	0.100	1	05/28/2024 07:49	WG2293937
1,1,2,2-Tetrachloroethane	U			0.0156	0.100	1	05/28/2024 07:49	WG2293937

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/9/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2024 07:49	WG2293937
Tetrachloroethene	U		0.0280	0.100	1	05/28/2024 07:49	WG2293937
Toluene	U		0.0500	0.200	1	05/28/2024 07:49	WG2293937
1,2,3-Trichlorobenzene	U	<u>J3</u>	0.0250	0.500	1	05/28/2024 07:49	WG2293937
1,2,4-Trichlorobenzene	U	<u>C3</u>	0.193	0.500	1	05/28/2024 07:49	WG2293937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2024 07:49	WG2293937
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2024 07:49	WG2293937
Trichloroethene	U		0.0160	0.0400	1	05/28/2024 07:49	WG2293937
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2024 07:49	WG2293937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/28/2024 07:49	WG2293937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2024 07:49	WG2293937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2024 07:49	WG2293937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2024 07:49	WG2293937
Vinyl acetate	U	<u>C3</u>	0.141	0.500	1	05/28/2024 07:49	WG2293937
Vinyl chloride	1.84		0.0273	0.100	1	05/28/2024 07:49	WG2293937
Xylenes, Total	U		0.191	0.260	1	05/28/2024 07:49	WG2293937
(S) Toluene-d8	98.6			75.0-131		05/28/2024 07:49	WG2293937
(S) 4-Bromofluorobenzene	105			67.0-138		05/28/2024 07:49	WG2293937
(S) 1,2-Dichloroethane-d4	101			70.0-130		05/28/2024 07:49	WG2293937

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	24.3	J+ C5 J4	11.0	20.0	20	05/28/2024 12:55	WG2293937
Acrylonitrile	U	J3	1.52	10.0	20	05/28/2024 12:55	WG2293937
Benzene	U		0.320	0.800	20	05/28/2024 12:55	WG2293937
Bromobenzene	U		0.840	10.0	20	05/28/2024 12:55	WG2293937
Bromochloromethane	U		0.904	4.00	20	05/28/2024 12:55	WG2293937
Bromodichloromethane	U		0.630	2.00	20	05/28/2024 12:55	WG2293937
Bromoform	U		4.78	20.0	20	05/28/2024 12:55	WG2293937
Bromomethane	U		2.96	10.0	20	05/28/2024 12:55	WG2293937
n-Butylbenzene	U		3.06	10.0	20	05/28/2024 12:55	WG2293937
sec-Butylbenzene	U		2.02	10.0	20	05/28/2024 12:55	WG2293937
tert-Butylbenzene	U		1.24	4.00	20	05/28/2024 12:55	WG2293937
Carbon disulfide	U		3.24	10.0	20	05/28/2024 12:55	WG2293937
Carbon tetrachloride	U		0.864	4.00	20	05/28/2024 12:55	WG2293937
Chlorobenzene	U		0.458	2.00	20	05/28/2024 12:55	WG2293937
Chlorodibromomethane	U		0.360	2.00	20	05/28/2024 12:55	WG2293937
Chloroethane	U		0.864	4.00	20	05/28/2024 12:55	WG2293937
Chloroform	U		0.332	2.00	20	05/28/2024 12:55	WG2293937
Chloromethane	U		1.11	10.0	20	05/28/2024 12:55	WG2293937
2-Chlorotoluene	U		0.736	2.00	20	05/28/2024 12:55	WG2293937
4-Chlorotoluene	U		0.904	4.00	20	05/28/2024 12:55	WG2293937
1,2-Dibromo-3-Chloropropane	U		4.08	20.0	20	05/28/2024 12:55	WG2293937
1,2-Dibromoethane	U		0.420	2.00	20	05/28/2024 12:55	WG2293937
Dibromomethane	U		0.800	4.00	20	05/28/2024 12:55	WG2293937
1,2-Dichlorobenzene	U		1.16	4.00	20	05/28/2024 12:55	WG2293937
1,3-Dichlorobenzene	U		1.36	4.00	20	05/28/2024 12:55	WG2293937
1,4-Dichlorobenzene	U		1.58	4.00	20	05/28/2024 12:55	WG2293937
trans-1,4-Dichloro-2-butene	U		1.12	4.00	20	05/28/2024 12:55	WG2293937
Dichlorodifluoromethane	U		0.654	4.00	20	05/28/2024 12:55	WG2293937
1,1-Dichloroethane	U		0.460	2.00	20	05/28/2024 12:55	WG2293937
1,2-Dichloroethane	U		0.380	2.00	20	05/28/2024 12:55	WG2293937
1,1-Dichloroethene	3.06		0.400	2.00	20	05/28/2024 12:55	WG2293937
cis-1,2-Dichloroethene	480		0.552	2.00	20	05/28/2024 12:55	WG2293937
trans-1,2-Dichloroethene	6.18		1.14	4.00	20	05/28/2024 12:55	WG2293937
1,2-Dichloropropane	U		1.02	4.00	20	05/28/2024 12:55	WG2293937
1,1-Dichloropropene	U		0.560	2.00	20	05/28/2024 12:55	WG2293937
1,3-Dichloropropane	U		1.40	4.00	20	05/28/2024 12:55	WG2293937
cis-1,3-Dichloropropene	U		0.542	2.00	20	05/28/2024 12:55	WG2293937
trans-1,3-Dichloropropene	U		1.22	4.00	20	05/28/2024 12:55	WG2293937
2,2-Dichloropropane	U		0.634	2.00	20	05/28/2024 12:55	WG2293937
Di-isopropyl ether	U		0.280	0.800	20	05/28/2024 12:55	WG2293937
Ethylbenzene	U		0.424	2.00	20	05/28/2024 12:55	WG2293937
Hexachloro-1,3-butadiene	U		10.2	20.0	20	05/28/2024 12:55	WG2293937
2-Hexanone	U		8.00	20.0	20	05/28/2024 12:55	WG2293937
n-Hexane	U		0.848	4.00	20	05/28/2024 12:55	WG2293937
Iodomethane	U		4.84	10.0	20	05/28/2024 12:55	WG2293937
Isopropylbenzene	U		0.690	2.00	20	05/28/2024 12:55	WG2293937
p-Isopropyltoluene	U		1.86	4.00	20	05/28/2024 12:55	WG2293937
2-Butanone (MEK)	U	J3	10.0	20.0	20	05/28/2024 12:55	WG2293937
Methylene Chloride	U		5.30	20.0	20	05/28/2024 12:55	WG2293937
4-Methyl-2-pentanone (MIBK)	U		8.00	20.0	20	05/28/2024 12:55	WG2293937
Methyl tert-butyl ether	U		0.236	0.800	20	05/28/2024 12:55	WG2293937
Naphthalene	U	UJ C3 J3	2.48	10.0	20	05/28/2024 12:55	WG2293937
n-Propylbenzene	U		0.944	4.00	20	05/28/2024 12:55	WG2293937
Styrene	U		2.18	10.0	20	05/28/2024 12:55	WG2293937
1,1,1,2-Tetrachloroethane	U		0.400	2.00	20	05/28/2024 12:55	WG2293937
1,1,2,2-Tetrachloroethane	U		0.312	2.00	20	05/28/2024 12:55	WG2293937

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.540	2.00	20	05/28/2024 12:55	WG2293937
Tetrachloroethene	U		0.560	2.00	20	05/28/2024 12:55	WG2293937
Toluene	U		1.00	4.00	20	05/28/2024 12:55	WG2293937
1,2,3-Trichlorobenzene	U	J3	0.500	10.0	20	05/28/2024 12:55	WG2293937
1,2,4-Trichlorobenzene	U	UJ C3	3.86	10.0	20	05/28/2024 12:55	WG2293937
1,1,1-Trichloroethane	U		0.220	2.00	20	05/28/2024 12:55	WG2293937
1,1,2-Trichloroethane	U		0.706	2.00	20	05/28/2024 12:55	WG2293937
Trichloroethene	2.92		0.320	0.800	20	05/28/2024 12:55	WG2293937
Trichlorofluoromethane	U		0.400	2.00	20	05/28/2024 12:55	WG2293937
1,2,3-Trichloropropane	U		4.08	10.0	20	05/28/2024 12:55	WG2293937
1,2,4-Trimethylbenzene	U		0.928	4.00	20	05/28/2024 12:55	WG2293937
1,2,3-Trimethylbenzene	U		0.920	4.00	20	05/28/2024 12:55	WG2293937
1,3,5-Trimethylbenzene	U		0.864	4.00	20	05/28/2024 12:55	WG2293937
Vinyl acetate	U	UJ C3	2.82	10.0	20	05/28/2024 12:55	WG2293937
Vinyl chloride	93.4		0.546	2.00	20	05/28/2024 12:55	WG2293937
Xylenes, Total	U		3.82	5.20	20	05/28/2024 12:55	WG2293937
(S) Toluene-d8	98.8			75.0-131		05/28/2024 12:55	WG2293937
(S) 4-Bromofluorobenzene	104			67.0-138		05/28/2024 12:55	WG2293937
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/28/2024 12:55	WG2293937

Sample Narrative:

L1739256-09 WG2293937: Target compounds too high to run at a lower dilution.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	1310	J	594	5000	1	06/06/2024 05:51	WG2298993

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	828	J	102	1000	1	06/06/2024 16:14	WG2298056

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	1650		28.1	100	1	05/30/2024 18:47	WG2294968
Manganese	145		0.704	5.00	1	05/30/2024 18:47	WG2294968

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	40.7		0.287	0.678	1	05/30/2024 14:50	WG2294723
Ethane	U		0.296	1.29	1	05/30/2024 14:50	WG2294723
Ethene	U		0.422	1.27	1	05/30/2024 14:50	WG2294723

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U	J4	0.548	1.00	1	05/28/2024 08:08	WG2293937
Acrylonitrile	U	J3	0.0760	0.500	1	05/28/2024 08:08	WG2293937
Benzene	U		0.0160	0.0400	1	05/28/2024 08:08	WG2293937
Bromobenzene	U		0.0420	0.500	1	05/28/2024 08:08	WG2293937
Bromochloromethane	U		0.0452	0.200	1	05/28/2024 08:08	WG2293937
Bromodichloromethane	U		0.0315	0.100	1	05/28/2024 08:08	WG2293937
Bromoform	U		0.239	1.00	1	05/28/2024 08:08	WG2293937
Bromomethane	U		0.148	0.500	1	05/28/2024 08:08	WG2293937
n-Butylbenzene	U		0.153	0.500	1	05/28/2024 08:08	WG2293937
sec-Butylbenzene	U		0.101	0.500	1	05/28/2024 08:08	WG2293937
tert-Butylbenzene	U		0.0620	0.200	1	05/28/2024 08:08	WG2293937
Carbon disulfide	U		0.162	0.500	1	05/28/2024 08:08	WG2293937
Carbon tetrachloride	U		0.0432	0.200	1	05/28/2024 08:08	WG2293937
Chlorobenzene	U		0.0229	0.100	1	05/28/2024 08:08	WG2293937
Chlorodibromomethane	U		0.0180	0.100	1	05/28/2024 08:08	WG2293937
Chloroethane	U		0.0432	0.200	1	05/28/2024 08:08	WG2293937
Chloroform	U		0.0166	0.100	1	05/28/2024 08:08	WG2293937
Chloromethane	U		0.0556	0.500	1	05/28/2024 08:08	WG2293937
2-Chlorotoluene	U		0.0368	0.100	1	05/28/2024 08:08	WG2293937
4-Chlorotoluene	U		0.0452	0.200	1	05/28/2024 08:08	WG2293937
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/28/2024 08:08	WG2293937
1,2-Dibromoethane	U		0.0210	0.100	1	05/28/2024 08:08	WG2293937
Dibromomethane	U		0.0400	0.200	1	05/28/2024 08:08	WG2293937
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/28/2024 08:08	WG2293937
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/28/2024 08:08	WG2293937
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/28/2024 08:08	WG2293937
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/28/2024 08:08	WG2293937
Dichlorodifluoromethane	U		0.0327	0.200	1	05/28/2024 08:08	WG2293937
1,1-Dichloroethane	U		0.0230	0.100	1	05/28/2024 08:08	WG2293937
1,2-Dichloroethane	U		0.0190	0.100	1	05/28/2024 08:08	WG2293937
1,1-Dichloroethene	U		0.0200	0.100	1	05/28/2024 08:08	WG2293937

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	2.05		0.0276	0.100	1	05/28/2024 08:08	WG2293937
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/28/2024 08:08	WG2293937
1,2-Dichloropropane	U		0.0508	0.200	1	05/28/2024 08:08	WG2293937
1,1-Dichloropropene	U		0.0280	0.100	1	05/28/2024 08:08	WG2293937
1,3-Dichloropropane	U		0.0700	0.200	1	05/28/2024 08:08	WG2293937
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/28/2024 08:08	WG2293937
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/28/2024 08:08	WG2293937
2,2-Dichloropropane	U		0.0317	0.100	1	05/28/2024 08:08	WG2293937
Di-isopropyl ether	U		0.0140	0.0400	1	05/28/2024 08:08	WG2293937
Ethylbenzene	U		0.0212	0.100	1	05/28/2024 08:08	WG2293937
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/28/2024 08:08	WG2293937
2-Hexanone	U		0.400	1.00	1	05/28/2024 08:08	WG2293937
n-Hexane	U		0.0424	0.200	1	05/28/2024 08:08	WG2293937
Iodomethane	U		0.242	0.500	1	05/28/2024 08:08	WG2293937
Isopropylbenzene	U		0.0345	0.100	1	05/28/2024 08:08	WG2293937
p-Isopropyltoluene	U		0.0932	0.200	1	05/28/2024 08:08	WG2293937
2-Butanone (MEK)	U	~~J3~~	0.500	1.00	1	05/28/2024 08:08	WG2293937
Methylene Chloride	U		0.265	1.00	1	05/28/2024 08:08	WG2293937
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/28/2024 08:08	WG2293937
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/28/2024 08:08	WG2293937
Naphthalene	U	UJ ~~C3 J3~~	0.124	0.500	1	05/28/2024 08:08	WG2293937
n-Propylbenzene	U		0.0472	0.200	1	05/28/2024 08:08	WG2293937
Styrene	U		0.109	0.500	1	05/28/2024 08:08	WG2293937
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/28/2024 08:08	WG2293937
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/28/2024 08:08	WG2293937
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2024 08:08	WG2293937
Tetrachloroethene	0.216		0.0280	0.100	1	05/28/2024 08:08	WG2293937
Toluene	U		0.0500	0.200	1	05/28/2024 08:08	WG2293937
1,2,3-Trichlorobenzene	U	~~J3~~	0.0250	0.500	1	05/28/2024 08:08	WG2293937
1,2,4-Trichlorobenzene	U	UJ ~~C3~~	0.193	0.500	1	05/28/2024 08:08	WG2293937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2024 08:08	WG2293937
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2024 08:08	WG2293937
Trichloroethene	U		0.0160	0.0400	1	05/28/2024 08:08	WG2293937
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2024 08:08	WG2293937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/28/2024 08:08	WG2293937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2024 08:08	WG2293937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2024 08:08	WG2293937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2024 08:08	WG2293937
Vinyl acetate	U	UJ ~~C3~~	0.141	0.500	1	05/28/2024 08:08	WG2293937
Vinyl chloride	U		0.0273	0.100	1	05/28/2024 08:08	WG2293937
Xylenes, Total	U		0.191	0.260	1	05/28/2024 08:08	WG2293937
(S) Toluene-d8	99.0			75.0-131		05/28/2024 08:08	WG2293937
(S) 4-Bromofluorobenzene	106			67.0-138		05/28/2024 08:08	WG2293937
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/28/2024 08:08	WG2293937

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	1.67	U	~~C5 J4~~	0.548	1.00	1	05/28/2024 08:27	WG2293937
Acrylonitrile	U		~~J3~~	0.0760	0.500	1	05/28/2024 08:27	WG2293937
Benzene	U			0.0160	0.0400	1	05/28/2024 08:27	WG2293937
Bromobenzene	U			0.0420	0.500	1	05/28/2024 08:27	WG2293937
Bromochloromethane	U			0.0452	0.200	1	05/28/2024 08:27	WG2293937
Bromodichloromethane	U			0.0315	0.100	1	05/28/2024 08:27	WG2293937
Bromoform	U			0.239	1.00	1	05/28/2024 08:27	WG2293937
Bromomethane	U			0.148	0.500	1	05/28/2024 08:27	WG2293937
n-Butylbenzene	U			0.153	0.500	1	05/28/2024 08:27	WG2293937
sec-Butylbenzene	U			0.101	0.500	1	05/28/2024 08:27	WG2293937
tert-Butylbenzene	U			0.0620	0.200	1	05/28/2024 08:27	WG2293937
Carbon disulfide	U			0.162	0.500	1	05/28/2024 08:27	WG2293937
Carbon tetrachloride	U			0.0432	0.200	1	05/28/2024 08:27	WG2293937
Chlorobenzene	U			0.0229	0.100	1	05/28/2024 08:27	WG2293937
Chlorodibromomethane	U			0.0180	0.100	1	05/28/2024 08:27	WG2293937
Chloroethane	U			0.0432	0.200	1	05/28/2024 08:27	WG2293937
Chloroform	U			0.0166	0.100	1	05/28/2024 08:27	WG2293937
Chloromethane	U			0.0556	0.500	1	05/28/2024 08:27	WG2293937
2-Chlorotoluene	U			0.0368	0.100	1	05/28/2024 08:27	WG2293937
4-Chlorotoluene	U			0.0452	0.200	1	05/28/2024 08:27	WG2293937
1,2-Dibromo-3-Chloropropane	U			0.204	1.00	1	05/28/2024 08:27	WG2293937
1,2-Dibromoethane	U			0.0210	0.100	1	05/28/2024 08:27	WG2293937
Dibromomethane	U			0.0400	0.200	1	05/28/2024 08:27	WG2293937
1,2-Dichlorobenzene	U			0.0580	0.200	1	05/28/2024 08:27	WG2293937
1,3-Dichlorobenzene	U			0.0680	0.200	1	05/28/2024 08:27	WG2293937
1,4-Dichlorobenzene	U			0.0788	0.200	1	05/28/2024 08:27	WG2293937
trans-1,4-Dichloro-2-butene	U			0.0560	0.200	1	05/28/2024 08:27	WG2293937
Dichlorodifluoromethane	U			0.0327	0.200	1	05/28/2024 08:27	WG2293937
1,1-Dichloroethane	U			0.0230	0.100	1	05/28/2024 08:27	WG2293937
1,2-Dichloroethane	U			0.0190	0.100	1	05/28/2024 08:27	WG2293937
1,1-Dichloroethene	U			0.0200	0.100	1	05/28/2024 08:27	WG2293937
cis-1,2-Dichloroethene	U			0.0276	0.100	1	05/28/2024 08:27	WG2293937
trans-1,2-Dichloroethene	U			0.0572	0.200	1	05/28/2024 08:27	WG2293937
1,2-Dichloropropane	U			0.0508	0.200	1	05/28/2024 08:27	WG2293937
1,1-Dichloropropene	U			0.0280	0.100	1	05/28/2024 08:27	WG2293937
1,3-Dichloropropane	U			0.0700	0.200	1	05/28/2024 08:27	WG2293937
cis-1,3-Dichloropropene	U			0.0271	0.100	1	05/28/2024 08:27	WG2293937
trans-1,3-Dichloropropene	U			0.0612	0.200	1	05/28/2024 08:27	WG2293937
2,2-Dichloropropane	U			0.0317	0.100	1	05/28/2024 08:27	WG2293937
Di-isopropyl ether	U			0.0140	0.0400	1	05/28/2024 08:27	WG2293937
Ethylbenzene	U			0.0212	0.100	1	05/28/2024 08:27	WG2293937
Hexachloro-1,3-butadiene	U			0.508	1.00	1	05/28/2024 08:27	WG2293937
2-Hexanone	U			0.400	1.00	1	05/28/2024 08:27	WG2293937
n-Hexane	U			0.0424	0.200	1	05/28/2024 08:27	WG2293937
Iodomethane	U			0.242	0.500	1	05/28/2024 08:27	WG2293937
Isopropylbenzene	U			0.0345	0.100	1	05/28/2024 08:27	WG2293937
p-Isopropyltoluene	U			0.0932	0.200	1	05/28/2024 08:27	WG2293937
2-Butanone (MEK)	U		~~J3~~	0.500	1.00	1	05/28/2024 08:27	WG2293937
Methylene Chloride	U			0.265	1.00	1	05/28/2024 08:27	WG2293937
4-Methyl-2-pentanone (MIBK)	U			0.400	1.00	1	05/28/2024 08:27	WG2293937
Methyl tert-butyl ether	U			0.0118	0.0400	1	05/28/2024 08:27	WG2293937
Naphthalene	U	UJ	~~C3 J3~~	0.124	0.500	1	05/28/2024 08:27	WG2293937
n-Propylbenzene	U			0.0472	0.200	1	05/28/2024 08:27	WG2293937
Styrene	U			0.109	0.500	1	05/28/2024 08:27	WG2293937
1,1,1,2-Tetrachloroethane	U			0.0200	0.100	1	05/28/2024 08:27	WG2293937
1,1,2,2-Tetrachloroethane	U			0.0156	0.100	1	05/28/2024 08:27	WG2293937

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/9/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2024 08:27	WG2293937
Tetrachloroethene	U		0.0280	0.100	1	05/28/2024 08:27	WG2293937
Toluene	U		0.0500	0.200	1	05/28/2024 08:27	WG2293937
1,2,3-Trichlorobenzene	U	~~C3~~	0.0250	0.500	1	05/28/2024 08:27	WG2293937
1,2,4-Trichlorobenzene	U	UJ C3	0.193	0.500	1	05/28/2024 08:27	WG2293937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2024 08:27	WG2293937
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2024 08:27	WG2293937
Trichloroethene	U		0.0160	0.0400	1	05/28/2024 08:27	WG2293937
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2024 08:27	WG2293937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/28/2024 08:27	WG2293937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2024 08:27	WG2293937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2024 08:27	WG2293937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2024 08:27	WG2293937
Vinyl acetate	U	UJ C3	0.141	0.500	1	05/28/2024 08:27	WG2293937
Vinyl chloride	U		0.0273	0.100	1	05/28/2024 08:27	WG2293937
Xylenes, Total	U		0.191	0.260	1	05/28/2024 08:27	WG2293937
(S) Toluene-d8	102			75.0-131		05/28/2024 08:27	WG2293937
(S) 4-Bromofluorobenzene	104			67.0-138		05/28/2024 08:27	WG2293937
(S) 1,2-Dichloroethane-d4	99.2			70.0-130		05/28/2024 08:27	WG2293937

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	1.86	U	~~C5 J4~~	0.548	1.00	1	05/28/2024 08:46	WG2293937
Acrylonitrile	U		~~J3~~	0.0760	0.500	1	05/28/2024 08:46	WG2293937
Benzene	0.0340		J	0.0160	0.0400	1	05/28/2024 08:46	WG2293937
Bromobenzene	U			0.0420	0.500	1	05/28/2024 08:46	WG2293937
Bromochloromethane	U			0.0452	0.200	1	05/28/2024 08:46	WG2293937
Bromodichloromethane	U			0.0315	0.100	1	05/28/2024 08:46	WG2293937
Bromoform	U			0.239	1.00	1	05/28/2024 08:46	WG2293937
Bromomethane	U			0.148	0.500	1	05/28/2024 08:46	WG2293937
n-Butylbenzene	U			0.153	0.500	1	05/28/2024 08:46	WG2293937
sec-Butylbenzene	U			0.101	0.500	1	05/28/2024 08:46	WG2293937
tert-Butylbenzene	U			0.0620	0.200	1	05/28/2024 08:46	WG2293937
Carbon disulfide	U			0.162	0.500	1	05/28/2024 08:46	WG2293937
Carbon tetrachloride	U			0.0432	0.200	1	05/28/2024 08:46	WG2293937
Chlorobenzene	U			0.0229	0.100	1	05/28/2024 08:46	WG2293937
Chlorodibromomethane	U			0.0180	0.100	1	05/28/2024 08:46	WG2293937
Chloroethane	U			0.0432	0.200	1	05/28/2024 08:46	WG2293937
Chloroform	U			0.0166	0.100	1	05/28/2024 08:46	WG2293937
Chloromethane	U			0.0556	0.500	1	05/28/2024 08:46	WG2293937
2-Chlorotoluene	U			0.0368	0.100	1	05/28/2024 08:46	WG2293937
4-Chlorotoluene	U			0.0452	0.200	1	05/28/2024 08:46	WG2293937
1,2-Dibromo-3-Chloropropane	U			0.204	1.00	1	05/28/2024 08:46	WG2293937
1,2-Dibromoethane	U			0.0210	0.100	1	05/28/2024 08:46	WG2293937
Dibromomethane	U			0.0400	0.200	1	05/28/2024 08:46	WG2293937
1,2-Dichlorobenzene	U			0.0580	0.200	1	05/28/2024 08:46	WG2293937
1,3-Dichlorobenzene	U			0.0680	0.200	1	05/28/2024 08:46	WG2293937
1,4-Dichlorobenzene	U			0.0788	0.200	1	05/28/2024 08:46	WG2293937
trans-1,4-Dichloro-2-butene	U			0.0560	0.200	1	05/28/2024 08:46	WG2293937
Dichlorodifluoromethane	U			0.0327	0.200	1	05/28/2024 08:46	WG2293937
1,1-Dichloroethane	U			0.0230	0.100	1	05/28/2024 08:46	WG2293937
1,2-Dichloroethane	U			0.0190	0.100	1	05/28/2024 08:46	WG2293937
1,1-Dichloroethene	U			0.0200	0.100	1	05/28/2024 08:46	WG2293937
cis-1,2-Dichloroethene	0.281			0.0276	0.100	1	05/28/2024 08:46	WG2293937
trans-1,2-Dichloroethene	U			0.0572	0.200	1	05/28/2024 08:46	WG2293937
1,2-Dichloropropane	U			0.0508	0.200	1	05/28/2024 08:46	WG2293937
1,1-Dichloropropene	U			0.0280	0.100	1	05/28/2024 08:46	WG2293937
1,3-Dichloropropane	U			0.0700	0.200	1	05/28/2024 08:46	WG2293937
cis-1,3-Dichloropropene	U			0.0271	0.100	1	05/28/2024 08:46	WG2293937
trans-1,3-Dichloropropene	U			0.0612	0.200	1	05/28/2024 08:46	WG2293937
2,2-Dichloropropane	U			0.0317	0.100	1	05/28/2024 08:46	WG2293937
Di-isopropyl ether	U			0.0140	0.0400	1	05/28/2024 08:46	WG2293937
Ethylbenzene	U			0.0212	0.100	1	05/28/2024 08:46	WG2293937
Hexachloro-1,3-butadiene	U			0.508	1.00	1	05/28/2024 08:46	WG2293937
2-Hexanone	U			0.400	1.00	1	05/28/2024 08:46	WG2293937
n-Hexane	U			0.0424	0.200	1	05/28/2024 08:46	WG2293937
Iodomethane	U			0.242	0.500	1	05/28/2024 08:46	WG2293937
Isopropylbenzene	U			0.0345	0.100	1	05/28/2024 08:46	WG2293937
p-Isopropyltoluene	U			0.0932	0.200	1	05/28/2024 08:46	WG2293937
2-Butanone (MEK)	U		~~J3~~	0.500	1.00	1	05/28/2024 08:46	WG2293937
Methylene Chloride	U			0.265	1.00	1	05/28/2024 08:46	WG2293937
4-Methyl-2-pentanone (MIBK)	U			0.400	1.00	1	05/28/2024 08:46	WG2293937
Methyl tert-butyl ether	U			0.0118	0.0400	1	05/28/2024 08:46	WG2293937
Napthalene	U	UJ	~~C3 J3~~	0.124	0.500	1	05/28/2024 08:46	WG2293937
n-Propylbenzene	U			0.0472	0.200	1	05/28/2024 08:46	WG2293937
Styrene	U			0.109	0.500	1	05/28/2024 08:46	WG2293937
1,1,1,2-Tetrachloroethane	U			0.0200	0.100	1	05/28/2024 08:46	WG2293937
1,1,2,2-Tetrachloroethane	U			0.0156	0.100	1	05/28/2024 08:46	WG2293937

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/9/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2024 08:46	WG2293937
Tetrachloroethene	U		0.0280	0.100	1	05/28/2024 08:46	WG2293937
Toluene	U		0.0500	0.200	1	05/28/2024 08:46	WG2293937
1,2,3-Trichlorobenzene	U	~~C3~~	0.0250	0.500	1	05/28/2024 08:46	WG2293937
1,2,4-Trichlorobenzene	U	UJ <u>C3</u>	0.193	0.500	1	05/28/2024 08:46	WG2293937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2024 08:46	WG2293937
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2024 08:46	WG2293937
Trichloroethene	U		0.0160	0.0400	1	05/28/2024 08:46	WG2293937
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2024 08:46	WG2293937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/28/2024 08:46	WG2293937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2024 08:46	WG2293937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2024 08:46	WG2293937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2024 08:46	WG2293937
Vinyl acetate	U	UJ <u>C3</u>	0.141	0.500	1	05/28/2024 08:46	WG2293937
Vinyl chloride	0.477		0.0273	0.100	1	05/28/2024 08:46	WG2293937
Xylenes, Total	U		0.191	0.260	1	05/28/2024 08:46	WG2293937
(S) Toluene-d8	99.7			75.0-131		05/28/2024 08:46	WG2293937
(S) 4-Bromofluorobenzene	103			67.0-138		05/28/2024 08:46	WG2293937
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/28/2024 08:46	WG2293937

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	~~J4~~	0.548	1.00	1	05/28/2024 09:05	WG2293937
Acrylonitrile	U	~~J3~~	0.0760	0.500	1	05/28/2024 09:05	WG2293937
Benzene	U		0.0160	0.0400	1	05/28/2024 09:05	WG2293937
Bromobenzene	U		0.0420	0.500	1	05/28/2024 09:05	WG2293937
Bromochloromethane	U		0.0452	0.200	1	05/28/2024 09:05	WG2293937
Bromodichloromethane	U		0.0315	0.100	1	05/28/2024 09:05	WG2293937
Bromoform	U		0.239	1.00	1	05/28/2024 09:05	WG2293937
Bromomethane	U		0.148	0.500	1	05/28/2024 09:05	WG2293937
n-Butylbenzene	U		0.153	0.500	1	05/28/2024 09:05	WG2293937
sec-Butylbenzene	U		0.101	0.500	1	05/28/2024 09:05	WG2293937
tert-Butylbenzene	U		0.0620	0.200	1	05/28/2024 09:05	WG2293937
Carbon disulfide	U		0.162	0.500	1	05/28/2024 09:05	WG2293937
Carbon tetrachloride	U		0.0432	0.200	1	05/28/2024 09:05	WG2293937
Chlorobenzene	U		0.0229	0.100	1	05/28/2024 09:05	WG2293937
Chlorodibromomethane	U		0.0180	0.100	1	05/28/2024 09:05	WG2293937
Chloroethane	U		0.0432	0.200	1	05/28/2024 09:05	WG2293937
Chloroform	U		0.0166	0.100	1	05/28/2024 09:05	WG2293937
Chloromethane	U		0.0556	0.500	1	05/28/2024 09:05	WG2293937
2-Chlorotoluene	U		0.0368	0.100	1	05/28/2024 09:05	WG2293937
4-Chlorotoluene	U		0.0452	0.200	1	05/28/2024 09:05	WG2293937
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/28/2024 09:05	WG2293937
1,2-Dibromoethane	U		0.0210	0.100	1	05/28/2024 09:05	WG2293937
Dibromomethane	U		0.0400	0.200	1	05/28/2024 09:05	WG2293937
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/28/2024 09:05	WG2293937
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/28/2024 09:05	WG2293937
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/28/2024 09:05	WG2293937
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/28/2024 09:05	WG2293937
Dichlorodifluoromethane	U		0.0327	0.200	1	05/28/2024 09:05	WG2293937
1,1-Dichloroethane	U		0.0230	0.100	1	05/28/2024 09:05	WG2293937
1,2-Dichloroethane	U		0.0190	0.100	1	05/28/2024 09:05	WG2293937
1,1-Dichloroethene	U		0.0200	0.100	1	05/28/2024 09:05	WG2293937
cis-1,2-Dichloroethene	0.602		0.0276	0.100	1	05/28/2024 09:05	WG2293937
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/28/2024 09:05	WG2293937
1,2-Dichloropropane	U		0.0508	0.200	1	05/28/2024 09:05	WG2293937
1,1-Dichloropropene	U		0.0280	0.100	1	05/28/2024 09:05	WG2293937
1,3-Dichloropropane	U		0.0700	0.200	1	05/28/2024 09:05	WG2293937
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/28/2024 09:05	WG2293937
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/28/2024 09:05	WG2293937
2,2-Dichloropropane	U		0.0317	0.100	1	05/28/2024 09:05	WG2293937
Di-isopropyl ether	U		0.0140	0.0400	1	05/28/2024 09:05	WG2293937
Ethylbenzene	U		0.0212	0.100	1	05/28/2024 09:05	WG2293937
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/28/2024 09:05	WG2293937
2-Hexanone	U		0.400	1.00	1	05/28/2024 09:05	WG2293937
n-Hexane	U		0.0424	0.200	1	05/28/2024 09:05	WG2293937
Iodomethane	U		0.242	0.500	1	05/28/2024 09:05	WG2293937
Isopropylbenzene	U		0.0345	0.100	1	05/28/2024 09:05	WG2293937
p-Isopropyltoluene	U		0.0932	0.200	1	05/28/2024 09:05	WG2293937
2-Butanone (MEK)	U	~~J3~~	0.500	1.00	1	05/28/2024 09:05	WG2293937
Methylene Chloride	U		0.265	1.00	1	05/28/2024 09:05	WG2293937
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/28/2024 09:05	WG2293937
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/28/2024 09:05	WG2293937
Naphthalene	U	UJ ~~C3 J3~~	0.124	0.500	1	05/28/2024 09:05	WG2293937
n-Propylbenzene	U		0.0472	0.200	1	05/28/2024 09:05	WG2293937
Styrene	U		0.109	0.500	1	05/28/2024 09:05	WG2293937
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/28/2024 09:05	WG2293937
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/28/2024 09:05	WG2293937

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2024 09:05	WG2293937
Tetrachloroethene	0.606		0.0280	0.100	1	05/28/2024 09:05	WG2293937
Toluene	U		0.0500	0.200	1	05/28/2024 09:05	WG2293937
1,2,3-Trichlorobenzene	U	~~JS~~	0.0250	0.500	1	05/28/2024 09:05	WG2293937
1,2,4-Trichlorobenzene	U	UJ <u>C3</u>	0.193	0.500	1	05/28/2024 09:05	WG2293937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2024 09:05	WG2293937
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2024 09:05	WG2293937
Trichloroethene	0.254		0.0160	0.0400	1	05/28/2024 09:05	WG2293937
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2024 09:05	WG2293937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/28/2024 09:05	WG2293937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2024 09:05	WG2293937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2024 09:05	WG2293937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2024 09:05	WG2293937
Vinyl acetate	U	UJ <u>C3</u>	0.141	0.500	1	05/28/2024 09:05	WG2293937
Vinyl chloride	U		0.0273	0.100	1	05/28/2024 09:05	WG2293937
Xylenes, Total	U		0.191	0.260	1	05/28/2024 09:05	WG2293937
(S) Toluene-d8	98.4			75.0-131		05/28/2024 09:05	WG2293937
(S) 4-Bromofluorobenzene	104			67.0-138		05/28/2024 09:05	WG2293937
(S) 1,2-Dichloroethane-d4	100			70.0-130		05/28/2024 09:05	WG2293937

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

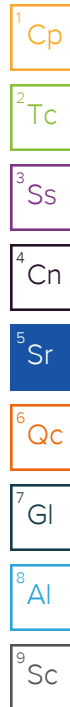
7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	~~J4~~	0.548	1.00	1	05/28/2024 09:24	WG2293937
Acrylonitrile	U	~~J3~~	0.0760	0.500	1	05/28/2024 09:24	WG2293937
Benzene	0.0700		0.0160	0.0400	1	05/28/2024 09:24	WG2293937
Bromobenzene	U		0.0420	0.500	1	05/28/2024 09:24	WG2293937
Bromochloromethane	U		0.0452	0.200	1	05/28/2024 09:24	WG2293937
Bromodichloromethane	U		0.0315	0.100	1	05/28/2024 09:24	WG2293937
Bromoform	U		0.239	1.00	1	05/28/2024 09:24	WG2293937
Bromomethane	U		0.148	0.500	1	05/28/2024 09:24	WG2293937
n-Butylbenzene	U		0.153	0.500	1	05/28/2024 09:24	WG2293937
sec-Butylbenzene	U		0.101	0.500	1	05/28/2024 09:24	WG2293937
tert-Butylbenzene	U		0.0620	0.200	1	05/28/2024 09:24	WG2293937
Carbon disulfide	U		0.162	0.500	1	05/28/2024 09:24	WG2293937
Carbon tetrachloride	U		0.0432	0.200	1	05/28/2024 09:24	WG2293937
Chlorobenzene	U		0.0229	0.100	1	05/28/2024 09:24	WG2293937
Chlorodibromomethane	U		0.0180	0.100	1	05/28/2024 09:24	WG2293937
Chloroethane	U		0.0432	0.200	1	05/28/2024 09:24	WG2293937
Chloroform	U		0.0166	0.100	1	05/28/2024 09:24	WG2293937
Chloromethane	U		0.0556	0.500	1	05/28/2024 09:24	WG2293937
2-Chlorotoluene	U		0.0368	0.100	1	05/28/2024 09:24	WG2293937
4-Chlorotoluene	U		0.0452	0.200	1	05/28/2024 09:24	WG2293937
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/28/2024 09:24	WG2293937
1,2-Dibromoethane	U		0.0210	0.100	1	05/28/2024 09:24	WG2293937
Dibromomethane	U		0.0400	0.200	1	05/28/2024 09:24	WG2293937
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/28/2024 09:24	WG2293937
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/28/2024 09:24	WG2293937
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/28/2024 09:24	WG2293937
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/28/2024 09:24	WG2293937
Dichlorodifluoromethane	U		0.0327	0.200	1	05/28/2024 09:24	WG2293937
1,1-Dichloroethane	U		0.0230	0.100	1	05/28/2024 09:24	WG2293937
1,2-Dichloroethane	U		0.0190	0.100	1	05/28/2024 09:24	WG2293937
1,1-Dichloroethene	U		0.0200	0.100	1	05/28/2024 09:24	WG2293937
cis-1,2-Dichloroethene	0.130		0.0276	0.100	1	05/28/2024 09:24	WG2293937
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/28/2024 09:24	WG2293937
1,2-Dichloropropane	U		0.0508	0.200	1	05/28/2024 09:24	WG2293937
1,1-Dichloropropene	U		0.0280	0.100	1	05/28/2024 09:24	WG2293937
1,3-Dichloropropane	U		0.0700	0.200	1	05/28/2024 09:24	WG2293937
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/28/2024 09:24	WG2293937
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/28/2024 09:24	WG2293937
2,2-Dichloropropane	U		0.0317	0.100	1	05/28/2024 09:24	WG2293937
Di-isopropyl ether	U		0.0140	0.0400	1	05/28/2024 09:24	WG2293937
Ethylbenzene	U		0.0212	0.100	1	05/28/2024 09:24	WG2293937
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/28/2024 09:24	WG2293937
2-Hexanone	U		0.400	1.00	1	05/28/2024 09:24	WG2293937
n-Hexane	U		0.0424	0.200	1	05/28/2024 09:24	WG2293937
Iodomethane	U		0.242	0.500	1	05/28/2024 09:24	WG2293937
Isopropylbenzene	U		0.0345	0.100	1	05/28/2024 09:24	WG2293937
p-Isopropyltoluene	U		0.0932	0.200	1	05/28/2024 09:24	WG2293937
2-Butanone (MEK)	U	~~J2~~	0.500	1.00	1	05/28/2024 09:24	WG2293937
Methylene Chloride	U		0.265	1.00	1	05/28/2024 09:24	WG2293937
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/28/2024 09:24	WG2293937
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/28/2024 09:24	WG2293937
Naphthalene	U	UJ ~~C3 J2~~	0.124	0.500	1	05/28/2024 09:24	WG2293937
n-Propylbenzene	U		0.0472	0.200	1	05/28/2024 09:24	WG2293937
Styrene	U		0.109	0.500	1	05/28/2024 09:24	WG2293937
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/28/2024 09:24	WG2293937
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/28/2024 09:24	WG2293937



JC 7/9/24

ACCOUNT:

PES Environmental, Inc.- WA

PROJECT:

443022-1413001.10

SDG:

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DATE/TIME:

07/02/24 08:59

PAGE:

33 of 65

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2024 09:24	WG2293937
Tetrachloroethene	U		0.0280	0.100	1	05/28/2024 09:24	WG2293937
Toluene	U		0.0500	0.200	1	05/28/2024 09:24	WG2293937
1,2,3-Trichlorobenzene	U	~~C3~~	0.0250	0.500	1	05/28/2024 09:24	WG2293937
1,2,4-Trichlorobenzene	U	UJ <u>C3</u>	0.193	0.500	1	05/28/2024 09:24	WG2293937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2024 09:24	WG2293937
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2024 09:24	WG2293937
Trichloroethene	U		0.0160	0.0400	1	05/28/2024 09:24	WG2293937
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2024 09:24	WG2293937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/28/2024 09:24	WG2293937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2024 09:24	WG2293937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2024 09:24	WG2293937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2024 09:24	WG2293937
Vinyl acetate	U	UJ <u>C3</u>	0.141	0.500	1	05/28/2024 09:24	WG2293937
Vinyl chloride	0.734		0.0273	0.100	1	05/28/2024 09:24	WG2293937
Xylenes, Total	U		0.191	0.260	1	05/28/2024 09:24	WG2293937
(S) Toluene-d8	103			75.0-131		05/28/2024 09:24	WG2293937
(S) 4-Bromofluorobenzene	104			67.0-138		05/28/2024 09:24	WG2293937
(S) 1,2-Dichloroethane-d4	105			70.0-130		05/28/2024 09:24	WG2293937

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	~~J4~~	0.548	1.00	1	05/28/2024 09:44	WG2293937
Acrylonitrile	U	~~J3~~	0.0760	0.500	1	05/28/2024 09:44	WG2293937
Benzene	0.0200	J	0.0160	0.0400	1	05/28/2024 09:44	WG2293937
Bromobenzene	U		0.0420	0.500	1	05/28/2024 09:44	WG2293937
Bromochloromethane	U		0.0452	0.200	1	05/28/2024 09:44	WG2293937
Bromodichloromethane	U		0.0315	0.100	1	05/28/2024 09:44	WG2293937
Bromoform	U		0.239	1.00	1	05/28/2024 09:44	WG2293937
Bromomethane	U		0.148	0.500	1	05/28/2024 09:44	WG2293937
n-Butylbenzene	U		0.153	0.500	1	05/28/2024 09:44	WG2293937
sec-Butylbenzene	U		0.101	0.500	1	05/28/2024 09:44	WG2293937
tert-Butylbenzene	U		0.0620	0.200	1	05/28/2024 09:44	WG2293937
Carbon disulfide	U		0.162	0.500	1	05/28/2024 09:44	WG2293937
Carbon tetrachloride	U		0.0432	0.200	1	05/28/2024 09:44	WG2293937
Chlorobenzene	U		0.0229	0.100	1	05/28/2024 09:44	WG2293937
Chlorodibromomethane	U		0.0180	0.100	1	05/28/2024 09:44	WG2293937
Chloroethane	U		0.0432	0.200	1	05/28/2024 09:44	WG2293937
Chloroform	0.121		0.0166	0.100	1	05/28/2024 09:44	WG2293937
Chloromethane	U		0.0556	0.500	1	05/28/2024 09:44	WG2293937
2-Chlorotoluene	U		0.0368	0.100	1	05/28/2024 09:44	WG2293937
4-Chlorotoluene	U		0.0452	0.200	1	05/28/2024 09:44	WG2293937
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/28/2024 09:44	WG2293937
1,2-Dibromoethane	U		0.0210	0.100	1	05/28/2024 09:44	WG2293937
Dibromomethane	U		0.0400	0.200	1	05/28/2024 09:44	WG2293937
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/28/2024 09:44	WG2293937
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/28/2024 09:44	WG2293937
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/28/2024 09:44	WG2293937
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/28/2024 09:44	WG2293937
Dichlorodifluoromethane	U		0.0327	0.200	1	05/28/2024 09:44	WG2293937
1,1-Dichloroethane	1.08		0.0230	0.100	1	05/28/2024 09:44	WG2293937
1,2-Dichloroethane	0.202		0.0190	0.100	1	05/28/2024 09:44	WG2293937
1,1-Dichloroethene	0.230		0.0200	0.100	1	05/28/2024 09:44	WG2293937
cis-1,2-Dichloroethene	17.8		0.0276	0.100	1	05/28/2024 09:44	WG2293937
trans-1,2-Dichloroethene	0.129	J	0.0572	0.200	1	05/28/2024 09:44	WG2293937
1,2-Dichloropropane	0.559		0.0508	0.200	1	05/28/2024 09:44	WG2293937
1,1-Dichloropropene	U		0.0280	0.100	1	05/28/2024 09:44	WG2293937
1,3-Dichloropropane	U		0.0700	0.200	1	05/28/2024 09:44	WG2293937
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/28/2024 09:44	WG2293937
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/28/2024 09:44	WG2293937
2,2-Dichloropropane	U		0.0317	0.100	1	05/28/2024 09:44	WG2293937
Di-isopropyl ether	U		0.0140	0.0400	1	05/28/2024 09:44	WG2293937
Ethylbenzene	U		0.0212	0.100	1	05/28/2024 09:44	WG2293937
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/28/2024 09:44	WG2293937
2-Hexanone	U		0.400	1.00	1	05/28/2024 09:44	WG2293937
n-Hexane	U		0.0424	0.200	1	05/28/2024 09:44	WG2293937
Iodomethane	U		0.242	0.500	1	05/28/2024 09:44	WG2293937
Isopropylbenzene	U		0.0345	0.100	1	05/28/2024 09:44	WG2293937
p-Isopropyltoluene	U		0.0932	0.200	1	05/28/2024 09:44	WG2293937
2-Butanone (MEK)	U	~~J3~~	0.500	1.00	1	05/28/2024 09:44	WG2293937
Methylene Chloride	U		0.265	1.00	1	05/28/2024 09:44	WG2293937
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/28/2024 09:44	WG2293937
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/28/2024 09:44	WG2293937
Naphthalene	U	UJ ~~C3 J3~~	0.124	0.500	1	05/28/2024 09:44	WG2293937
n-Propylbenzene	U		0.0472	0.200	1	05/28/2024 09:44	WG2293937
Styrene	U		0.109	0.500	1	05/28/2024 09:44	WG2293937
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/28/2024 09:44	WG2293937
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/28/2024 09:44	WG2293937

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	0.298		0.0270	0.100	1	05/28/2024 09:44	WG2293937
Tetrachloroethene	58.8		0.0280	0.100	1	05/28/2024 09:44	WG2293937
Toluene	U		0.0500	0.200	1	05/28/2024 09:44	WG2293937
1,2,3-Trichlorobenzene	U	~~J3~~	0.0250	0.500	1	05/28/2024 09:44	WG2293937
1,2,4-Trichlorobenzene	U	UJ <u>C3</u>	0.193	0.500	1	05/28/2024 09:44	WG2293937
1,1,1-Trichloroethane	0.198		0.0110	0.100	1	05/28/2024 09:44	WG2293937
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2024 09:44	WG2293937
Trichloroethene	17.1		0.0160	0.0400	1	05/28/2024 09:44	WG2293937
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2024 09:44	WG2293937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/28/2024 09:44	WG2293937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2024 09:44	WG2293937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2024 09:44	WG2293937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2024 09:44	WG2293937
Vinyl acetate	U	UJ <u>C3</u>	0.141	0.500	1	05/28/2024 09:44	WG2293937
Vinyl chloride	0.223		0.0273	0.100	1	05/28/2024 09:44	WG2293937
Xylenes, Total	U		0.191	0.260	1	05/28/2024 09:44	WG2293937
(S) Toluene-d8	99.3			75.0-131		05/28/2024 09:44	WG2293937
(S) 4-Bromofluorobenzene	103			67.0-138		05/28/2024 09:44	WG2293937
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/28/2024 09:44	WG2293937

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

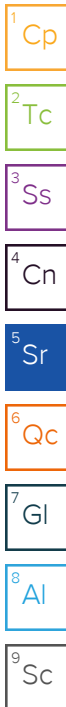
9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	1.15	U	~~C5 J4~~	0.548	1.00	1	05/28/2024 10:03	WG2293937
Acrylonitrile	U		~~J3~~	0.0760	0.500	1	05/28/2024 10:03	WG2293937
Benzene	U			0.0160	0.0400	1	05/28/2024 10:03	WG2293937
Bromobenzene	U			0.0420	0.500	1	05/28/2024 10:03	WG2293937
Bromochloromethane	U			0.0452	0.200	1	05/28/2024 10:03	WG2293937
Bromodichloromethane	U			0.0315	0.100	1	05/28/2024 10:03	WG2293937
Bromoform	U			0.239	1.00	1	05/28/2024 10:03	WG2293937
Bromomethane	U			0.148	0.500	1	05/28/2024 10:03	WG2293937
n-Butylbenzene	U			0.153	0.500	1	05/28/2024 10:03	WG2293937
sec-Butylbenzene	U			0.101	0.500	1	05/28/2024 10:03	WG2293937
tert-Butylbenzene	U			0.0620	0.200	1	05/28/2024 10:03	WG2293937
Carbon disulfide	U			0.162	0.500	1	05/28/2024 10:03	WG2293937
Carbon tetrachloride	U			0.0432	0.200	1	05/28/2024 10:03	WG2293937
Chlorobenzene	U			0.0229	0.100	1	05/28/2024 10:03	WG2293937
Chlorodibromomethane	U			0.0180	0.100	1	05/28/2024 10:03	WG2293937
Chloroethane	U			0.0432	0.200	1	05/28/2024 10:03	WG2293937
Chloroform	U			0.0166	0.100	1	05/28/2024 10:03	WG2293937
Chloromethane	U			0.0556	0.500	1	05/28/2024 10:03	WG2293937
2-Chlorotoluene	U			0.0368	0.100	1	05/28/2024 10:03	WG2293937
4-Chlorotoluene	U			0.0452	0.200	1	05/28/2024 10:03	WG2293937
1,2-Dibromo-3-Chloropropane	U			0.204	1.00	1	05/28/2024 10:03	WG2293937
1,2-Dibromoethane	U			0.0210	0.100	1	05/28/2024 10:03	WG2293937
Dibromomethane	U			0.0400	0.200	1	05/28/2024 10:03	WG2293937
1,2-Dichlorobenzene	U			0.0580	0.200	1	05/28/2024 10:03	WG2293937
1,3-Dichlorobenzene	U			0.0680	0.200	1	05/28/2024 10:03	WG2293937
1,4-Dichlorobenzene	U			0.0788	0.200	1	05/28/2024 10:03	WG2293937
trans-1,4-Dichloro-2-butene	U			0.0560	0.200	1	05/28/2024 10:03	WG2293937
Dichlorodifluoromethane	U			0.0327	0.200	1	05/28/2024 10:03	WG2293937
1,1-Dichloroethane	0.251			0.0230	0.100	1	05/28/2024 10:03	WG2293937
1,2-Dichloroethane	U			0.0190	0.100	1	05/28/2024 10:03	WG2293937
1,1-Dichloroethene	U			0.0200	0.100	1	05/28/2024 10:03	WG2293937
cis-1,2-Dichloroethene	0.226			0.0276	0.100	1	05/28/2024 10:03	WG2293937
trans-1,2-Dichloroethene	U			0.0572	0.200	1	05/28/2024 10:03	WG2293937
1,2-Dichloropropane	U			0.0508	0.200	1	05/28/2024 10:03	WG2293937
1,1-Dichloropropene	U			0.0280	0.100	1	05/28/2024 10:03	WG2293937
1,3-Dichloropropane	U			0.0700	0.200	1	05/28/2024 10:03	WG2293937
cis-1,3-Dichloropropene	U			0.0271	0.100	1	05/28/2024 10:03	WG2293937
trans-1,3-Dichloropropene	U			0.0612	0.200	1	05/28/2024 10:03	WG2293937
2,2-Dichloropropane	U			0.0317	0.100	1	05/28/2024 10:03	WG2293937
Di-isopropyl ether	U			0.0140	0.0400	1	05/28/2024 10:03	WG2293937
Ethylbenzene	U			0.0212	0.100	1	05/28/2024 10:03	WG2293937
Hexachloro-1,3-butadiene	U			0.508	1.00	1	05/28/2024 10:03	WG2293937
2-Hexanone	U			0.400	1.00	1	05/28/2024 10:03	WG2293937
n-Hexane	U			0.0424	0.200	1	05/28/2024 10:03	WG2293937
Iodomethane	U			0.242	0.500	1	05/28/2024 10:03	WG2293937
Isopropylbenzene	U			0.0345	0.100	1	05/28/2024 10:03	WG2293937
p-Isopropyltoluene	U			0.0932	0.200	1	05/28/2024 10:03	WG2293937
2-Butanone (MEK)	U		~~J3~~	0.500	1.00	1	05/28/2024 10:03	WG2293937
Methylene Chloride	U			0.265	1.00	1	05/28/2024 10:03	WG2293937
4-Methyl-2-pentanone (MIBK)	U			0.400	1.00	1	05/28/2024 10:03	WG2293937
Methyl tert-butyl ether	U			0.0118	0.0400	1	05/28/2024 10:03	WG2293937
Napthalene	U	UJ	~~C3 J3~~	0.124	0.500	1	05/28/2024 10:03	WG2293937
n-Propylbenzene	U			0.0472	0.200	1	05/28/2024 10:03	WG2293937
Styrene	U			0.109	0.500	1	05/28/2024 10:03	WG2293937
1,1,1,2-Tetrachloroethane	U			0.0200	0.100	1	05/28/2024 10:03	WG2293937
1,1,2,2-Tetrachloroethane	U			0.0156	0.100	1	05/28/2024 10:03	WG2293937

JC 7/9/2

JC 7/9/24



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2024 10:03	WG2293937
Tetrachloroethene	0.0580	<u>J</u>	0.0280	0.100	1	05/28/2024 10:03	WG2293937
Toluene	U		0.0500	0.200	1	05/28/2024 10:03	WG2293937
1,2,3-Trichlorobenzene	U	~~<u>J3</u>~~	0.0250	0.500	1	05/28/2024 10:03	WG2293937
1,2,4-Trichlorobenzene	U	<u>UJ</u> <u>C3</u>	0.193	0.500	1	05/28/2024 10:03	WG2293937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2024 10:03	WG2293937
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2024 10:03	WG2293937
Trichloroethene	U		0.0160	0.0400	1	05/28/2024 10:03	WG2293937
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2024 10:03	WG2293937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/28/2024 10:03	WG2293937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2024 10:03	WG2293937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2024 10:03	WG2293937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2024 10:03	WG2293937
Vinyl acetate	U	<u>UJ</u> <u>C3</u>	0.141	0.500	1	05/28/2024 10:03	WG2293937
Vinyl chloride	U		0.0273	0.100	1	05/28/2024 10:03	WG2293937
Xylenes, Total	U		0.191	0.260	1	05/28/2024 10:03	WG2293937
(S) Toluene-d8	102			75.0-131		05/28/2024 10:03	WG2293937
(S) 4-Bromofluorobenzene	102			67.0-138		05/28/2024 10:03	WG2293937
(S) 1,2-Dichloroethane-d4	97.6			70.0-130		05/28/2024 10:03	WG2293937

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

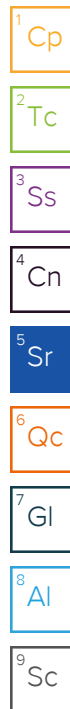
8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	~~J4~~	0.548	1.00	1	05/28/2024 10:22	WG2293937
Acrylonitrile	U	~~J3~~	0.0760	0.500	1	05/28/2024 10:22	WG2293937
Benzene	0.0810		0.0160	0.0400	1	05/28/2024 10:22	WG2293937
Bromobenzene	U		0.0420	0.500	1	05/28/2024 10:22	WG2293937
Bromochloromethane	U		0.0452	0.200	1	05/28/2024 10:22	WG2293937
Bromodichloromethane	U		0.0315	0.100	1	05/28/2024 10:22	WG2293937
Bromoform	U		0.239	1.00	1	05/28/2024 10:22	WG2293937
Bromomethane	U		0.148	0.500	1	05/28/2024 10:22	WG2293937
n-Butylbenzene	U		0.153	0.500	1	05/28/2024 10:22	WG2293937
sec-Butylbenzene	U		0.101	0.500	1	05/28/2024 10:22	WG2293937
tert-Butylbenzene	U		0.0620	0.200	1	05/28/2024 10:22	WG2293937
Carbon disulfide	U		0.162	0.500	1	05/28/2024 10:22	WG2293937
Carbon tetrachloride	U		0.0432	0.200	1	05/28/2024 10:22	WG2293937
Chlorobenzene	U		0.0229	0.100	1	05/28/2024 10:22	WG2293937
Chlorodibromomethane	U		0.0180	0.100	1	05/28/2024 10:22	WG2293937
Chloroethane	U		0.0432	0.200	1	05/28/2024 10:22	WG2293937
Chloroform	U		0.0166	0.100	1	05/28/2024 10:22	WG2293937
Chloromethane	U		0.0556	0.500	1	05/28/2024 10:22	WG2293937
2-Chlorotoluene	U		0.0368	0.100	1	05/28/2024 10:22	WG2293937
4-Chlorotoluene	U		0.0452	0.200	1	05/28/2024 10:22	WG2293937
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/28/2024 10:22	WG2293937
1,2-Dibromoethane	U		0.0210	0.100	1	05/28/2024 10:22	WG2293937
Dibromomethane	U		0.0400	0.200	1	05/28/2024 10:22	WG2293937
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/28/2024 10:22	WG2293937
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/28/2024 10:22	WG2293937
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/28/2024 10:22	WG2293937
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/28/2024 10:22	WG2293937
Dichlorodifluoromethane	U		0.0327	0.200	1	05/28/2024 10:22	WG2293937
1,1-Dichloroethane	U		0.0230	0.100	1	05/28/2024 10:22	WG2293937
1,2-Dichloroethane	U		0.0190	0.100	1	05/28/2024 10:22	WG2293937
1,1-Dichloroethene	U		0.0200	0.100	1	05/28/2024 10:22	WG2293937
cis-1,2-Dichloroethene	0.161		0.0276	0.100	1	05/28/2024 10:22	WG2293937
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/28/2024 10:22	WG2293937
1,2-Dichloropropane	U		0.0508	0.200	1	05/28/2024 10:22	WG2293937
1,1-Dichloropropene	U		0.0280	0.100	1	05/28/2024 10:22	WG2293937
1,3-Dichloropropane	U		0.0700	0.200	1	05/28/2024 10:22	WG2293937
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/28/2024 10:22	WG2293937
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/28/2024 10:22	WG2293937
2,2-Dichloropropane	U		0.0317	0.100	1	05/28/2024 10:22	WG2293937
Di-isopropyl ether	U		0.0140	0.0400	1	05/28/2024 10:22	WG2293937
Ethylbenzene	U		0.0212	0.100	1	05/28/2024 10:22	WG2293937
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/28/2024 10:22	WG2293937
2-Hexanone	U		0.400	1.00	1	05/28/2024 10:22	WG2293937
n-Hexane	U		0.0424	0.200	1	05/28/2024 10:22	WG2293937
Iodomethane	U		0.242	0.500	1	05/28/2024 10:22	WG2293937
Isopropylbenzene	U		0.0345	0.100	1	05/28/2024 10:22	WG2293937
p-Isopropyltoluene	U		0.0932	0.200	1	05/28/2024 10:22	WG2293937
2-Butanone (MEK)	U	~~J3~~	0.500	1.00	1	05/28/2024 10:22	WG2293937
Methylene Chloride	U		0.265	1.00	1	05/28/2024 10:22	WG2293937
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/28/2024 10:22	WG2293937
Methyl tert-butyl ether	U		0.0118	0.0400	1	05/28/2024 10:22	WG2293937
Naphthalene	U	UJ ~~C3 J3~~	0.124	0.500	1	05/28/2024 10:22	WG2293937
n-Propylbenzene	U		0.0472	0.200	1	05/28/2024 10:22	WG2293937
Styrene	U		0.109	0.500	1	05/28/2024 10:22	WG2293937
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/28/2024 10:22	WG2293937
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/28/2024 10:22	WG2293937

JC 7/9/24



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2024 10:22	WG2293937
Tetrachloroethene	U		0.0280	0.100	1	05/28/2024 10:22	WG2293937
Toluene	U		0.0500	0.200	1	05/28/2024 10:22	WG2293937
1,2,3-Trichlorobenzene	U	~~U3~~	0.0250	0.500	1	05/28/2024 10:22	WG2293937
1,2,4-Trichlorobenzene	U	UJ <u>C3</u>	0.193	0.500	1	05/28/2024 10:22	WG2293937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2024 10:22	WG2293937
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2024 10:22	WG2293937
Trichloroethene	U		0.0160	0.0400	1	05/28/2024 10:22	WG2293937
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2024 10:22	WG2293937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/28/2024 10:22	WG2293937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2024 10:22	WG2293937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2024 10:22	WG2293937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2024 10:22	WG2293937
Vinyl acetate	U	UJ <u>C3</u>	0.141	0.500	1	05/28/2024 10:22	WG2293937
Vinyl chloride	0.860		0.0273	0.100	1	05/28/2024 10:22	WG2293937
Xylenes, Total	U		0.191	0.260	1	05/28/2024 10:22	WG2293937
(S) Toluene-d8	101			75.0-131		05/28/2024 10:22	WG2293937
(S) 4-Bromofluorobenzene	101			67.0-138		05/28/2024 10:22	WG2293937
(S) 1,2-Dichloroethane-d4	102			70.0-130		05/28/2024 10:22	WG2293937

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

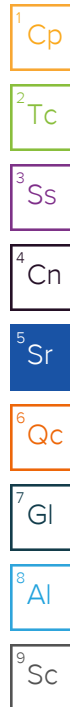
8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	~~J4~~	0.548	1.00	1	05/28/2024 10:41	WG2293937
Acrylonitrile	U	~~J3~~	0.0760	0.500	1	05/28/2024 10:41	WG2293937
Benzene	U		0.0160	0.0400	1	05/28/2024 10:41	WG2293937
Bromobenzene	U		0.0420	0.500	1	05/28/2024 10:41	WG2293937
Bromochloromethane	U		0.0452	0.200	1	05/28/2024 10:41	WG2293937
Bromodichloromethane	U		0.0315	0.100	1	05/28/2024 10:41	WG2293937
Bromoform	U		0.239	1.00	1	05/28/2024 10:41	WG2293937
Bromomethane	U		0.148	0.500	1	05/28/2024 10:41	WG2293937
n-Butylbenzene	U		0.153	0.500	1	05/28/2024 10:41	WG2293937
sec-Butylbenzene	U		0.101	0.500	1	05/28/2024 10:41	WG2293937
tert-Butylbenzene	U		0.0620	0.200	1	05/28/2024 10:41	WG2293937
Carbon disulfide	U		0.162	0.500	1	05/28/2024 10:41	WG2293937
Carbon tetrachloride	U		0.0432	0.200	1	05/28/2024 10:41	WG2293937
Chlorobenzene	U		0.0229	0.100	1	05/28/2024 10:41	WG2293937
Chlorodibromomethane	U		0.0180	0.100	1	05/28/2024 10:41	WG2293937
Chloroethane	U		0.0432	0.200	1	05/28/2024 10:41	WG2293937
Chloroform	U		0.0166	0.100	1	05/28/2024 10:41	WG2293937
Chloromethane	U		0.0556	0.500	1	05/28/2024 10:41	WG2293937
2-Chlorotoluene	U		0.0368	0.100	1	05/28/2024 10:41	WG2293937
4-Chlorotoluene	U		0.0452	0.200	1	05/28/2024 10:41	WG2293937
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	05/28/2024 10:41	WG2293937
1,2-Dibromoethane	U		0.0210	0.100	1	05/28/2024 10:41	WG2293937
Dibromomethane	U		0.0400	0.200	1	05/28/2024 10:41	WG2293937
1,2-Dichlorobenzene	U		0.0580	0.200	1	05/28/2024 10:41	WG2293937
1,3-Dichlorobenzene	U		0.0680	0.200	1	05/28/2024 10:41	WG2293937
1,4-Dichlorobenzene	U		0.0788	0.200	1	05/28/2024 10:41	WG2293937
trans-1,4-Dichloro-2-butene	U		0.0560	0.200	1	05/28/2024 10:41	WG2293937
Dichlorodifluoromethane	U		0.0327	0.200	1	05/28/2024 10:41	WG2293937
1,1-Dichloroethane	U		0.0230	0.100	1	05/28/2024 10:41	WG2293937
1,2-Dichloroethane	U		0.0190	0.100	1	05/28/2024 10:41	WG2293937
1,1-Dichloroethene	U		0.0200	0.100	1	05/28/2024 10:41	WG2293937
cis-1,2-Dichloroethene	U		0.0276	0.100	1	05/28/2024 10:41	WG2293937
trans-1,2-Dichloroethene	U		0.0572	0.200	1	05/28/2024 10:41	WG2293937
1,2-Dichloropropane	U		0.0508	0.200	1	05/28/2024 10:41	WG2293937
1,1-Dichloropropene	U		0.0280	0.100	1	05/28/2024 10:41	WG2293937
1,3-Dichloropropane	U		0.0700	0.200	1	05/28/2024 10:41	WG2293937
cis-1,3-Dichloropropene	U		0.0271	0.100	1	05/28/2024 10:41	WG2293937
trans-1,3-Dichloropropene	U		0.0612	0.200	1	05/28/2024 10:41	WG2293937
2,2-Dichloropropane	U		0.0317	0.100	1	05/28/2024 10:41	WG2293937
Di-isopropyl ether	0.150		0.0140	0.0400	1	05/28/2024 10:41	WG2293937
Ethylbenzene	U		0.0212	0.100	1	05/28/2024 10:41	WG2293937
Hexachloro-1,3-butadiene	U		0.508	1.00	1	05/28/2024 10:41	WG2293937
2-Hexanone	U		0.400	1.00	1	05/28/2024 10:41	WG2293937
n-Hexane	U		0.0424	0.200	1	05/28/2024 10:41	WG2293937
Iodomethane	U		0.242	0.500	1	05/28/2024 10:41	WG2293937
Isopropylbenzene	U		0.0345	0.100	1	05/28/2024 10:41	WG2293937
p-Isopropyltoluene	U		0.0932	0.200	1	05/28/2024 10:41	WG2293937
2-Butanone (MEK)	U	~~J3~~	0.500	1.00	1	05/28/2024 10:41	WG2293937
Methylene Chloride	U		0.265	1.00	1	05/28/2024 10:41	WG2293937
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	05/28/2024 10:41	WG2293937
Methyl tert-butyl ether	0.106		0.0118	0.0400	1	05/28/2024 10:41	WG2293937
Naphthalene	U	UJ ~~C3 J3~~	0.124	0.500	1	05/28/2024 10:41	WG2293937
n-Propylbenzene	U		0.0472	0.200	1	05/28/2024 10:41	WG2293937
Styrene	U		0.109	0.500	1	05/28/2024 10:41	WG2293937
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	05/28/2024 10:41	WG2293937
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	05/28/2024 10:41	WG2293937

JC 7/9/24



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	05/28/2024 10:41	WG2293937
Tetrachloroethene	U		0.0280	0.100	1	05/28/2024 10:41	WG2293937
Toluene	U		0.0500	0.200	1	05/28/2024 10:41	WG2293937
1,2,3-Trichlorobenzene	U	~~C3~~	0.0250	0.500	1	05/28/2024 10:41	WG2293937
1,2,4-Trichlorobenzene	U	UJ <u>C3</u>	0.193	0.500	1	05/28/2024 10:41	WG2293937
1,1,1-Trichloroethane	U		0.0110	0.100	1	05/28/2024 10:41	WG2293937
1,1,2-Trichloroethane	U		0.0353	0.100	1	05/28/2024 10:41	WG2293937
Trichloroethene	U		0.0160	0.0400	1	05/28/2024 10:41	WG2293937
Trichlorofluoromethane	U		0.0200	0.100	1	05/28/2024 10:41	WG2293937
1,2,3-Trichloropropane	U		0.204	0.500	1	05/28/2024 10:41	WG2293937
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	05/28/2024 10:41	WG2293937
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	05/28/2024 10:41	WG2293937
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	05/28/2024 10:41	WG2293937
Vinyl acetate	U	UJ <u>C3</u>	0.141	0.500	1	05/28/2024 10:41	WG2293937
Vinyl chloride	U		0.0273	0.100	1	05/28/2024 10:41	WG2293937
Xylenes, Total	U		0.191	0.260	1	05/28/2024 10:41	WG2293937
(S) Toluene-d8	99.3			75.0-131		05/28/2024 10:41	WG2293937
(S) 4-Bromofluorobenzene	103			67.0-138		05/28/2024 10:41	WG2293937
(S) 1,2-Dichloroethane-d4	103			70.0-130		05/28/2024 10:41	WG2293937

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

MEMORANDUM

TO: Project File **DATE:** July 17, 2024

FROM: Jessie Compeau

SUBJECT: Laboratory Data Validation Review

PROJECT: American Linen Data Validation

PROJECT #: 443022-1413001.10.701.04 (American Linen) and 443022-1413001.10.603.04 (Mercer Block)

TASK: EIM Data Validation Level EPA2A for Group 2 – 2nd Quarter May - June 2024

LAB: Pace Sample Delivery Group (SDGs): L1742409, L1742410, L1742408, and L1743472

Eleven groundwater samples (including two field duplicate pairs), one equipment blank, and one trip blank were collected May 29, 31, and June 4, 2024, from monitoring wells associated with the second quarter sampling event at American Linen and the Mercer Block Sites in Seattle, WA. The samples were shipped and delivered to Pace Lab Sciences (Pace) of Mount Juliet, TN for laboratory analysis. Selected samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260D
- VOCs (dissolved gases – methane, ethane, and ethene) by EPA SOP RSK 175
- Anion (sulfate) by USEPA Method 9056A
- Total Organic Carbon (TOC) by USEPA Method 9060A
- Metals (iron and manganese) by USEPA Method 6020B

The Q2 2024 RI sampling event (including soil vapor samples) was conducted in May and June of 2024. Results for soil vapor samples are reported in three SDGs by Pace. Second quarter analytical results for groundwater are reported in eleven SDGs and were validated in two groups. Group 2 consists of four SDGs and includes samples collected from monitoring wells located at both American Linen and Mercer Block Sites. The quality assurance review of the laboratory data associated with Group 2 is summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with Pace control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA National Functional Guidelines (NFG) for Superfund Organic Methods Data Review (USEPA, 2020) and USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020). Following Guidelines, non-project-specific laboratory duplicates and matrix spike results were not evaluated as part of this data validation.

DATA VALIDATION

Completeness

The samples were collected and analyzed as requested with no issues.

Sample Collection and Preservation

Samples were collected in laboratory-supplied sample containers preserved as appropriate for the individual analyses conducted. The samples were packed on ice in coolers and delivered by courier to the analytical laboratory. The laboratory reported that the coolers were received at a cooler temperature less than the recommended temperature preservation of 6°C. The samples were received in good condition. No data are qualified based upon the sample collection and preservation information with the following exceptions:

- SDG L1742408: Review of the Pace non-conformance form (NCF) indicates that the cooler was received with a broken VOC vial for sample MW-987-053124. No action is needed since additional sample vials were provided for VOC analysis.
- SDG L1742410: Review of the Pace NCF indicates that the cooler was received with broken VOC vials for samples HMW-9IB-052924 and MW-350-052924. No action is needed since additional vials were provided for analysis.

Holding Times

USEPA Method 8260D:

The samples were analyzed for VOCs within the EPA recommended holding time of fourteen days for preserved waters (7 days for unpreserved waters) from the date of collection. All holding time criteria are met.

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:

The samples were analyzed within the WA State recommended holding time of fourteen days for preserved waters from the date of sample collection. All holding time criteria are met.

General Chemistry (Sulfate and TOC):

The samples were analyzed within the USEPA recommended holding time for sulfate (28 days) and TOC (28 days) for the preserved water sample from the date of sample collection. All holding time criteria are met.

USEPA Method 6020B:

All samples were analyzed within the USEPA recommended holding time for iron and manganese of 180 days for preserved waters from the date of sample collection.

Initial and Continuing Calibration

USEPA Method 8260D (VOCs):

Initial and continuing calibration data for this project are retained by the laboratory and available for review if necessary. Pace indicated within the laboratory report that continuing calibration verification (CCV) criteria for were not met for the following:

- Multiple SDGs: *USEPA Method 8260D* - Continuing calibration verification (CCV) issues were noted by Pace for multiple compounds associated with analytical batches in each SDG. These compounds are qualified by the laboratory “C3” to indicate that CCV percent differences (% Ds) are below laboratory acceptance criteria and showing potential low bias. **Associated sample results with laboratory qualified (C3) results are estimated with potential low bias and qualified (J-/UJ).**
- SDG L1742410: *USEPA Method 8260D* - Continuing calibration verification (CCV) issues were noted by Pace for several compounds. These compounds are qualified by the laboratory “C5” to indicate that CCV % Ds are above laboratory acceptance criteria and showing potential high bias. **Associated sample results (detects) with laboratory qualified (C5) results are estimated with potential high bias and qualified (J+).**

Method Blank Results

USEPA Method 8260D:

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes are not detected in the method blanks at or above the reporting detection limits (RDLs).

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes (dissolved gases) are not detected in the method blanks at or above the RDLs.

General Chemistry (Sulfate and TOC) and Metals (Iron and Manganese):

Laboratory method blanks were included with the analytical batches per method requirement. The target analytes were detected in the method blanks below the RDLs. Per Guidance, no action is taken for blank detections less than the RDL when associated sample detections are greater than the RDL. Method blank detections are shown below:

SDG	Batch	Method	Analyte	Method Blank Result	Qualifier	RDL	Units	Associated Result(s) Qualified
L1742408	WG2307287	9060A	TOC	115	J	1000	µg/L	NO
L1742409	WG2307287	9060A	TOC	115	J	1000	µg/L	NO

The target analytes were detected in the method blanks below the RDLs. No action is taken on this basis since associated sample results are greater than the RDLs.

Trip Blank Results

USEPA Method 8260D:

SDG L1743472: One trip blank (TB-060424) was collected and submitted for VOC analysis. The target analytes are not detected in the trip blank at or above the RDLs.

Field, Rinsate, or Equipment Blank Results

All Analytical Methods:

One equipment blank (EQ-052924) was collected. Details are as follows:

SDG L1742409: The equipment blank (EQ-052924) is associated with samples MW112-052924 and MW106-052924 which were collected from the bladder pump on May 29, 2024. Samples were analyzed for VOCs only whereas the equipment blank was analyzed for the full analytical suite. Low levels of VOCs (acetone and chloroform) are detected in the equipment blank. Per Guidance, for common laboratory contaminants (e.g., acetone), if the blank concentration is greater than the RDL and less than twice the blank result the common lab contaminant is qualified as non-detect (U). Actions are as follows:

- Acetone is detected in the equipment blank at 1.32 µg/L and above the RDL (1.00 µg/L). Acetone was detected at 1.10 µg/L in sample MW112-052924 and below the equipment blank detection. **Acetone result for sample MW112-052924 is qualified as not detected (U) due to equipment blank contamination.** No action is needed for sample MW106-052924 since acetone is not detected.
- Chloroform is detected in the equipment blank at 1.20 µg/L and above the RDL (0.100 µg/L). No action is needed since chloroform is not detected in the associated samples.

Field Duplicate Analyses

Field duplicate sample pairs are as follows:

- SDG L1742408: Samples MW-153-053124 and MW-990-053124
- SDG L1742408: Samples MW-146-053124 and MW-987-053124

Target analyte results are comparable and within a relative percent difference (RPD) of 30% (or $\pm 1 \times$ RDL for groundwater results $<5X$ the RDL) for the field duplicate pair with the following exceptions:

- SDG L1742408: Field duplicate pair (MW-146-053124 and MW-987-053124) RPDs for dissolved gases (methane, ethane, and ethene) exceed criteria (30% RPD). **Dissolved gas (methane, ethane, and ethene) results for samples MW-146-053124 and MW-987-053124 are estimated (J).**

Laboratory Duplicate Analyses

USEPA Method 8260D:

Laboratory duplicate samples were not analyzed. Refer to laboratory control sample/sample duplicate (LCS/LCSD) results for precision data.

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:

Laboratory duplicate sample analyses were performed on non-client samples. The primary/duplicate RPDs for dissolved gas analyses are within the laboratory control limit of 20%.

General Chemistry (Sulfate and TOC):

Laboratory duplicate sample analyses were performed on client samples and/or on non-client samples. The primary/duplicate client sample RPD for sulfate is within the laboratory control RPD limits or $\pm 1 \times$ RDL for groundwater results $< 5 \times$ the RDL.

USEPA Method 6020B:

Laboratory duplicate samples were not analyzed. Refer to MS/MSD results for precision data.

Surrogate Recoveries

USEPA Method 8260D:

The surrogate recovery results for the samples, laboratory control samples, and the method blanks are within the laboratory surrogate control limits for all the analyses.

Laboratory Control Samples

USEPA Method 8260D:

Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) were analyzed by USEPA Method 8260D method. The LCS/LCSD % Rs and RPDs for all target compounds are within the laboratory control criteria for waters with the following discussion:

- SDGs L1742408, L1742409, and L1742410 – Analytical batch WG2301894 and SDG L1743472 – Analytical batch WG2301894: LCS/LCSD results for trichlorofluoromethane (CFC-11) are estimated and (J) qualified by the laboratory. Per Pace, the wrong RDL was entered into the associated quality control for ultra-low-level VOCs. No action is taken since CFC-11 LCS/LCSD recoveries are within laboratory acceptance criteria and each respective CFC-11 method blank RDL is the same as the associated sample data (undiluted). On July 19, 2024, Pace reissued the associated reports however revisions (removal of the J qualifiers on CFC-11) were not made. Pace was contacted to confirm that the original SDGs will be used to evaluate the data.

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:

LCS/LCSD % Rs and RPDs for the target compounds (dissolved gases) are within the laboratory control criteria for waters.

General Chemistry (Sulfate and TOC) and Metals (Iron and Manganese):

The LCS % Rs for general chemistry parameters are within the laboratory control criteria for waters.

Matrix Spike/Matrix Spike Duplicates

USEPA Method 8260D:

Matrix spike/matrix spike duplicate (MS/MSD) analyses were not performed. Refer to laboratory control sample results for precision and accuracy results.

Dissolved Gases (Methane, Ethane, and Ethene) by RSK 175:

MS/MSD analyses were performed on one non-client sample within one analytical batch. No action is taken for MS/MSD % Rs or RPDs outside of acceptance criteria since matrix spike analysis was performed on a non-client sample. Refer to laboratory control sample and laboratory duplicate results for precision and accuracy results.

General Chemistry (Sulfate and TOC), and Metals (Iron and Manganese):

MS or MS/MSD analyses were performed on client and/or on non-client samples within the analytical batches. Project sample MS/MSD % Rs and RPDs are acceptable and within laboratory control limit criteria for water samples. Refer to laboratory control sample, laboratory and/or field duplicate results for precision and accuracy results.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- Electronic data deliverables (EDDs) for these SDGs were provided by the laboratory and data validator qualifiers were entered. In ten cases, different chemical synonyms are used between the EDD and the hardcopy, but the associated Chemical Abstracts Service (CAS) numbers are provided in the EDD to confirm chemical identifications.

Compound Identification and Quantitation Limits

Results of the analyses are reported based on laboratory RDLs for all compounds. RDLs for all targets or selected compounds are elevated in several samples due to method-required dilutions.

Per NV5 request the associated EDDs show result reporting limits (also known as reported detection limit (RDL) or practical quantitation limit (PQL)) and result detection limits (also referred to as method detection limit (MDL)) instead of defaulting to the RDL when reporting the MDL

Data Assessment

The laboratory data reported for this project were reviewed based on the criteria outlined in:

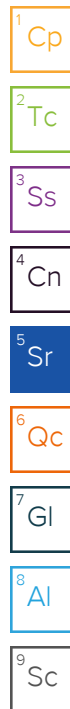
- USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2020); and
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020).

Data qualifiers are assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	5.18		0.548	1.00	1	06/11/2024 06:51	WG2302417
Acrylonitrile	U		0.0760	0.500	1	06/11/2024 06:51	WG2302417
Benzene	U		0.0160	0.0400	1	06/11/2024 06:51	WG2302417
Bromobenzene	U		0.0420	0.500	1	06/11/2024 06:51	WG2302417
Bromochloromethane	U		0.0452	0.200	1	06/11/2024 06:51	WG2302417
Bromodichloromethane	U		0.0315	0.100	1	06/11/2024 06:51	WG2302417
Bromoform	U		0.239	1.00	1	06/11/2024 06:51	WG2302417
Bromomethane	U		0.148	0.500	1	06/11/2024 06:51	WG2302417
n-Butylbenzene	U		0.153	0.500	1	06/11/2024 06:51	WG2302417
sec-Butylbenzene	U		0.101	0.500	1	06/11/2024 06:51	WG2302417
tert-Butylbenzene	U		0.0620	0.200	1	06/11/2024 06:51	WG2302417
Carbon disulfide	U		0.162	0.500	1	06/11/2024 06:51	WG2302417
Carbon tetrachloride	U		0.0432	0.200	1	06/11/2024 06:51	WG2302417
Chlorobenzene	U		0.0229	0.100	1	06/11/2024 06:51	WG2302417
Chlorodibromomethane	U		0.0180	0.100	1	06/11/2024 06:51	WG2302417
Chloroethane	0.376		0.0432	0.200	1	06/11/2024 06:51	WG2302417
Chloroform	U		0.0166	0.100	1	06/11/2024 06:51	WG2302417
Chloromethane	U		0.0556	0.500	1	06/11/2024 06:51	WG2302417
2-Chlorotoluene	U		0.0368	0.100	1	06/11/2024 06:51	WG2302417
4-Chlorotoluene	U		0.0452	0.200	1	06/11/2024 06:51	WG2302417
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/11/2024 06:51	WG2302417
1,2-Dibromoethane	U		0.0210	0.100	1	06/11/2024 06:51	WG2302417
Dibromomethane	U		0.0400	0.200	1	06/11/2024 06:51	WG2302417
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/11/2024 06:51	WG2302417
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/11/2024 06:51	WG2302417
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/11/2024 06:51	WG2302417
trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	06/11/2024 06:51	WG2302417
Dichlorodifluoromethane	U		0.0327	0.200	1	06/11/2024 06:51	WG2302417
1,1-Dichloroethane	U		0.0230	0.100	1	06/11/2024 06:51	WG2302417
1,2-Dichloroethane	U		0.0190	0.100	1	06/11/2024 06:51	WG2302417
1,1-Dichloroethene	U		0.0200	0.100	1	06/11/2024 06:51	WG2302417
cis-1,2-Dichloroethene	7.62		0.0276	0.100	1	06/11/2024 06:51	WG2302417
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/11/2024 06:51	WG2302417
1,2-Dichloropropane	U		0.0508	0.200	1	06/11/2024 06:51	WG2302417
1,1-Dichloropropene	U		0.0280	0.100	1	06/11/2024 06:51	WG2302417
1,3-Dichloropropane	U		0.0700	0.200	1	06/11/2024 06:51	WG2302417
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/11/2024 06:51	WG2302417
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/11/2024 06:51	WG2302417
2,2-Dichloropropane	U		0.0317	0.100	1	06/11/2024 06:51	WG2302417
Di-isopropyl ether	U		0.0140	0.0400	1	06/11/2024 06:51	WG2302417
Ethylbenzene	U		0.0212	0.100	1	06/11/2024 06:51	WG2302417
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/11/2024 06:51	WG2302417
2-Hexanone	U		0.400	1.00	1	06/11/2024 06:51	WG2302417
n-Hexane	U		0.0424	0.200	1	06/11/2024 06:51	WG2302417
Iodomethane	U		0.242	0.500	1	06/11/2024 06:51	WG2302417
Isopropylbenzene	U		0.0345	0.100	1	06/11/2024 06:51	WG2302417
p-Isopropyltoluene	U		0.0932	0.200	1	06/11/2024 06:51	WG2302417
2-Butanone (MEK)	U		0.500	1.00	1	06/11/2024 06:51	WG2302417
Methylene Chloride	U		0.265	1.00	1	06/11/2024 06:51	WG2302417
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/11/2024 06:51	WG2302417
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/11/2024 06:51	WG2302417
Naphthalene	U		0.124	0.500	1	06/11/2024 06:51	WG2302417
n-Propylbenzene	U		0.0472	0.200	1	06/11/2024 06:51	WG2302417
Styrene	U		0.109	0.500	1	06/11/2024 06:51	WG2302417
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/11/2024 06:51	WG2302417
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/11/2024 06:51	WG2302417

JC 7/18/24



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/11/2024 06:51	WG2302417
Tetrachloroethene	51.6		0.0280	0.100	1	06/11/2024 06:51	WG2302417
Toluene	U		0.0500	0.200	1	06/11/2024 06:51	WG2302417
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/11/2024 06:51	WG2302417
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/11/2024 06:51	WG2302417
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/11/2024 06:51	WG2302417
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/11/2024 06:51	WG2302417
Trichloroethene	5.58		0.0160	0.0400	1	06/11/2024 06:51	WG2302417
Trichlorofluoromethane	U		0.0200	0.100	1	06/11/2024 06:51	WG2302417
1,2,3-Trichloropropane	U		0.204	0.500	1	06/11/2024 06:51	WG2302417
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/11/2024 06:51	WG2302417
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/11/2024 06:51	WG2302417
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/11/2024 06:51	WG2302417
Vinyl acetate	U	UJ C3	0.141	0.500	1	06/11/2024 06:51	WG2302417
Vinyl chloride	0.460		0.0273	0.100	1	06/11/2024 06:51	WG2302417
Xylenes, Total	U		0.191	0.260	1	06/11/2024 06:51	WG2302417
(S) Toluene-d8	102			75.0-131		06/11/2024 06:51	WG2302417
(S) 4-Bromofluorobenzene	103			67.0-138		06/11/2024 06:51	WG2302417
(S) 1,2-Dichloroethane-d4	93.9			70.0-130		06/11/2024 06:51	WG2302417

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/18/24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	26800		594	5000	1	06/27/2024 10:52	WG2311117

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	4900		102	1000	1	06/20/2024 23:44	WG2307924

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	3950		28.1	100	1	07/02/2024 21:21	WG2308022
Manganese	417		0.704	5.00	1	07/02/2024 21:21	WG2308022

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	2370		0.287	0.678	1	06/11/2024 14:33	WG2302179
Ethane	15.2		0.296	1.29	1	06/11/2024 14:33	WG2302179
Ethene	91.7		0.422	1.27	1	06/11/2024 14:33	WG2302179

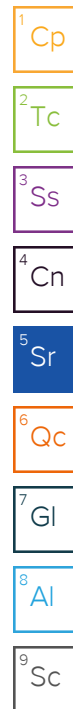
Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	1.20		0.548	1.00	1	06/11/2024 07:11	WG2302417
Acrylonitrile	U		0.0760	0.500	1	06/11/2024 07:11	WG2302417
Benzene	U		0.0160	0.0400	1	06/11/2024 07:11	WG2302417
Bromobenzene	U		0.0420	0.500	1	06/11/2024 07:11	WG2302417
Bromochloromethane	U		0.0452	0.200	1	06/11/2024 07:11	WG2302417
Bromodichloromethane	U		0.0315	0.100	1	06/11/2024 07:11	WG2302417
Bromoform	U		0.239	1.00	1	06/11/2024 07:11	WG2302417
Bromomethane	U		0.148	0.500	1	06/11/2024 07:11	WG2302417
n-Butylbenzene	U		0.153	0.500	1	06/11/2024 07:11	WG2302417
sec-Butylbenzene	U		0.101	0.500	1	06/11/2024 07:11	WG2302417
tert-Butylbenzene	U		0.0620	0.200	1	06/11/2024 07:11	WG2302417
Carbon disulfide	U		0.162	0.500	1	06/11/2024 07:11	WG2302417
Carbon tetrachloride	U		0.0432	0.200	1	06/11/2024 07:11	WG2302417
Chlorobenzene	U		0.0229	0.100	1	06/11/2024 07:11	WG2302417
Chlorodibromomethane	U		0.0180	0.100	1	06/11/2024 07:11	WG2302417
Chloroethane	U		0.0432	0.200	1	06/11/2024 07:11	WG2302417
Chloroform	U		0.0166	0.100	1	06/11/2024 07:11	WG2302417
Chloromethane	U		0.0556	0.500	1	06/11/2024 07:11	WG2302417
2-Chlorotoluene	U		0.0368	0.100	1	06/11/2024 07:11	WG2302417
4-Chlorotoluene	U		0.0452	0.200	1	06/11/2024 07:11	WG2302417
1,2-Dibromo-3-Chloropropane	U		0.204	1.00	1	06/11/2024 07:11	WG2302417
1,2-Dibromoethane	U		0.0210	0.100	1	06/11/2024 07:11	WG2302417
Dibromomethane	U		0.0400	0.200	1	06/11/2024 07:11	WG2302417
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/11/2024 07:11	WG2302417
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/11/2024 07:11	WG2302417
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/11/2024 07:11	WG2302417
trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	06/11/2024 07:11	WG2302417
Dichlorodifluoromethane	U		0.0327	0.200	1	06/11/2024 07:11	WG2302417
1,1-Dichloroethane	U		0.0230	0.100	1	06/11/2024 07:11	WG2302417
1,2-Dichloroethane	U		0.0190	0.100	1	06/11/2024 07:11	WG2302417
1,1-Dichloroethene	U		0.0200	0.100	1	06/11/2024 07:11	WG2302417

JC 7/18/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	7.24		0.0276	0.100	1	06/11/2024 07:11	WG2302417
trans-1,2-Dichloroethene	0.124	J	0.0572	0.200	1	06/11/2024 07:11	WG2302417
1,2-Dichloropropane	U		0.0508	0.200	1	06/11/2024 07:11	WG2302417
1,1-Dichloropropene	U		0.0280	0.100	1	06/11/2024 07:11	WG2302417
1,3-Dichloropropane	U		0.0700	0.200	1	06/11/2024 07:11	WG2302417
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/11/2024 07:11	WG2302417
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/11/2024 07:11	WG2302417
2,2-Dichloropropane	U		0.0317	0.100	1	06/11/2024 07:11	WG2302417
Di-isopropyl ether	U		0.0140	0.0400	1	06/11/2024 07:11	WG2302417
Ethylbenzene	U		0.0212	0.100	1	06/11/2024 07:11	WG2302417
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/11/2024 07:11	WG2302417
2-Hexanone	U		0.400	1.00	1	06/11/2024 07:11	WG2302417
n-Hexane	U		0.0424	0.200	1	06/11/2024 07:11	WG2302417
Iodomethane	U		0.242	0.500	1	06/11/2024 07:11	WG2302417
Isopropylbenzene	U		0.0345	0.100	1	06/11/2024 07:11	WG2302417
p-Isopropyltoluene	U		0.0932	0.200	1	06/11/2024 07:11	WG2302417
2-Butanone (MEK)	U		0.500	1.00	1	06/11/2024 07:11	WG2302417
Methylene Chloride	U		0.265	1.00	1	06/11/2024 07:11	WG2302417
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/11/2024 07:11	WG2302417
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/11/2024 07:11	WG2302417
Naphthalene	U		0.124	0.500	1	06/11/2024 07:11	WG2302417
n-Propylbenzene	U		0.0472	0.200	1	06/11/2024 07:11	WG2302417
Styrene	U		0.109	0.500	1	06/11/2024 07:11	WG2302417
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/11/2024 07:11	WG2302417
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/11/2024 07:11	WG2302417
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/11/2024 07:11	WG2302417
Tetrachloroethene	U		0.0280	0.100	1	06/11/2024 07:11	WG2302417
Toluene	U		0.0500	0.200	1	06/11/2024 07:11	WG2302417
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/11/2024 07:11	WG2302417
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/11/2024 07:11	WG2302417
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/11/2024 07:11	WG2302417
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/11/2024 07:11	WG2302417
Trichloroethene	U		0.0160	0.0400	1	06/11/2024 07:11	WG2302417
Trichlorofluoromethane	U		0.0200	0.100	1	06/11/2024 07:11	WG2302417
1,2,3-Trichloropropane	U		0.204	0.500	1	06/11/2024 07:11	WG2302417
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/11/2024 07:11	WG2302417
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/11/2024 07:11	WG2302417
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/11/2024 07:11	WG2302417
Vinyl acetate	U	UJ C3	0.141	0.500	1	06/11/2024 07:11	WG2302417
Vinyl chloride	14.2		0.0273	0.100	1	06/11/2024 07:11	WG2302417
Xylenes, Total	U		0.191	0.260	1	06/11/2024 07:11	WG2302417
(S) Toluene-d8	103			75.0-131		06/11/2024 07:11	WG2302417
(S) 4-Bromofluorobenzene	103			67.0-138		06/11/2024 07:11	WG2302417
(S) 1,2-Dichloroethane-d4	90.8			70.0-130		06/11/2024 07:11	WG2302417



JC 7/18/24

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/10/2024 05:04	WG2301894
Acrylonitrile	U		0.0760	0.500	1	06/10/2024 05:04	WG2301894
Benzene	U		0.0160	0.0400	1	06/10/2024 05:04	WG2301894
Bromobenzene	U		0.0420	0.500	1	06/10/2024 05:04	WG2301894
Bromochloromethane	U		0.0452	0.200	1	06/10/2024 05:04	WG2301894
Bromodichloromethane	U		0.0315	0.100	1	06/10/2024 05:04	WG2301894
Bromoform	U		0.239	1.00	1	06/10/2024 05:04	WG2301894
Bromomethane	U	UJ C3	0.148	0.500	1	06/10/2024 05:04	WG2301894
n-Butylbenzene	U		0.153	0.500	1	06/10/2024 05:04	WG2301894
sec-Butylbenzene	U		0.101	0.500	1	06/10/2024 05:04	WG2301894
tert-Butylbenzene	U		0.0620	0.200	1	06/10/2024 05:04	WG2301894
Carbon disulfide	U		0.162	0.500	1	06/10/2024 05:04	WG2301894
Carbon tetrachloride	U		0.0432	0.200	1	06/10/2024 05:04	WG2301894
Chlorobenzene	U		0.0229	0.100	1	06/10/2024 05:04	WG2301894
Chlorodibromomethane	U		0.0180	0.100	1	06/10/2024 05:04	WG2301894
Chloroethane	U		0.0432	0.200	1	06/10/2024 05:04	WG2301894
Chloroform	U		0.0166	0.100	1	06/10/2024 05:04	WG2301894
Chloromethane	U		0.0556	0.500	1	06/10/2024 05:04	WG2301894
2-Chlorotoluene	U		0.0368	0.100	1	06/10/2024 05:04	WG2301894
4-Chlorotoluene	U		0.0452	0.200	1	06/10/2024 05:04	WG2301894
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/10/2024 05:04	WG2301894
1,2-Dibromoethane	U		0.0210	0.100	1	06/10/2024 05:04	WG2301894
Dibromomethane	U		0.0400	0.200	1	06/10/2024 05:04	WG2301894
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/10/2024 05:04	WG2301894
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/10/2024 05:04	WG2301894
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/10/2024 05:04	WG2301894
trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	06/10/2024 05:04	WG2301894
Dichlorodifluoromethane	U		0.0327	0.200	1	06/10/2024 05:04	WG2301894
1,1-Dichloroethane	U		0.0230	0.100	1	06/10/2024 05:04	WG2301894
1,2-Dichloroethane	U		0.0190	0.100	1	06/10/2024 05:04	WG2301894
1,1-Dichloroethene	U		0.0200	0.100	1	06/10/2024 05:04	WG2301894
cis-1,2-Dichloroethene	0.599		0.0276	0.100	1	06/10/2024 05:04	WG2301894
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/10/2024 05:04	WG2301894
1,2-Dichloropropane	U		0.0508	0.200	1	06/10/2024 05:04	WG2301894
1,1-Dichloropropene	U		0.0280	0.100	1	06/10/2024 05:04	WG2301894
1,3-Dichloropropane	U		0.0700	0.200	1	06/10/2024 05:04	WG2301894
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/10/2024 05:04	WG2301894
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/10/2024 05:04	WG2301894
2,2-Dichloropropane	U		0.0317	0.100	1	06/10/2024 05:04	WG2301894
Di-isopropyl ether	U		0.0140	0.0400	1	06/10/2024 05:04	WG2301894
Ethylbenzene	U		0.0212	0.100	1	06/10/2024 05:04	WG2301894
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/10/2024 05:04	WG2301894
2-Hexanone	U		0.400	1.00	1	06/10/2024 05:04	WG2301894
n-Hexane	U		0.0424	0.200	1	06/10/2024 05:04	WG2301894
Iodomethane	U		0.242	0.500	1	06/10/2024 05:04	WG2301894
Isopropylbenzene	U		0.0345	0.100	1	06/10/2024 05:04	WG2301894
p-Isopropyltoluene	U		0.0932	0.200	1	06/10/2024 05:04	WG2301894
2-Butanone (MEK)	U		0.500	1.00	1	06/10/2024 05:04	WG2301894
Methylene Chloride	U		0.265	1.00	1	06/10/2024 05:04	WG2301894
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/10/2024 05:04	WG2301894
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/10/2024 05:04	WG2301894
Naphthalene	U		0.124	0.500	1	06/10/2024 05:04	WG2301894
n-Propylbenzene	U		0.0472	0.200	1	06/10/2024 05:04	WG2301894
Styrene	U		0.109	0.500	1	06/10/2024 05:04	WG2301894
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/10/2024 05:04	WG2301894
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/10/2024 05:04	WG2301894

JC 7/18/24

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/10/2024 05:04	WG2301894
Tetrachloroethene	U		0.0280	0.100	1	06/10/2024 05:04	WG2301894
Toluene	U		0.0500	0.200	1	06/10/2024 05:04	WG2301894
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/10/2024 05:04	WG2301894
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/10/2024 05:04	WG2301894
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/10/2024 05:04	WG2301894
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/10/2024 05:04	WG2301894
Trichloroethene	U		0.0160	0.0400	1	06/10/2024 05:04	WG2301894
Trichlorofluoromethane	U		0.0200	0.100	1	06/10/2024 05:04	WG2301894
1,2,3-Trichloropropane	U		0.204	0.500	1	06/10/2024 05:04	WG2301894
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/10/2024 05:04	WG2301894
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/10/2024 05:04	WG2301894
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/10/2024 05:04	WG2301894
Vinyl acetate	U		0.141	0.500	1	06/10/2024 05:04	WG2301894
Vinyl chloride	0.280		0.0273	0.100	1	06/10/2024 05:04	WG2301894
Xylenes, Total	U		0.191	0.260	1	06/10/2024 05:04	WG2301894
(S) Toluene-d8	102			75.0-131		06/10/2024 05:04	WG2301894
(S) 4-Bromofluorobenzene	101			67.0-138		06/10/2024 05:04	WG2301894
(S) 1,2-Dichloroethane-d4	90.9			70.0-130		06/10/2024 05:04	WG2301894

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/18/24

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/10/2024 05:24	WG2301894
Acrylonitrile	U		0.0760	0.500	1	06/10/2024 05:24	WG2301894
Benzene	U		0.0160	0.0400	1	06/10/2024 05:24	WG2301894
Bromobenzene	U		0.0420	0.500	1	06/10/2024 05:24	WG2301894
Bromochloromethane	U		0.0452	0.200	1	06/10/2024 05:24	WG2301894
Bromodichloromethane	U		0.0315	0.100	1	06/10/2024 05:24	WG2301894
Bromoform	U		0.239	1.00	1	06/10/2024 05:24	WG2301894
Bromomethane	U	UJ C3	0.148	0.500	1	06/10/2024 05:24	WG2301894
n-Butylbenzene	U		0.153	0.500	1	06/10/2024 05:24	WG2301894
sec-Butylbenzene	U		0.101	0.500	1	06/10/2024 05:24	WG2301894
tert-Butylbenzene	U		0.0620	0.200	1	06/10/2024 05:24	WG2301894
Carbon disulfide	U		0.162	0.500	1	06/10/2024 05:24	WG2301894
Carbon tetrachloride	U		0.0432	0.200	1	06/10/2024 05:24	WG2301894
Chlorobenzene	U		0.0229	0.100	1	06/10/2024 05:24	WG2301894
Chlorodibromomethane	U		0.0180	0.100	1	06/10/2024 05:24	WG2301894
Chloroethane	U		0.0432	0.200	1	06/10/2024 05:24	WG2301894
Chloroform	U		0.0166	0.100	1	06/10/2024 05:24	WG2301894
Chloromethane	U		0.0556	0.500	1	06/10/2024 05:24	WG2301894
2-Chlorotoluene	U		0.0368	0.100	1	06/10/2024 05:24	WG2301894
4-Chlorotoluene	U		0.0452	0.200	1	06/10/2024 05:24	WG2301894
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/10/2024 05:24	WG2301894
1,2-Dibromoethane	U		0.0210	0.100	1	06/10/2024 05:24	WG2301894
Dibromomethane	U		0.0400	0.200	1	06/10/2024 05:24	WG2301894
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/10/2024 05:24	WG2301894
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/10/2024 05:24	WG2301894
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/10/2024 05:24	WG2301894
trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	06/10/2024 05:24	WG2301894
Dichlorodifluoromethane	U		0.0327	0.200	1	06/10/2024 05:24	WG2301894
1,1-Dichloroethane	U		0.0230	0.100	1	06/10/2024 05:24	WG2301894
1,2-Dichloroethane	U		0.0190	0.100	1	06/10/2024 05:24	WG2301894
1,1-Dichloroethene	U		0.0200	0.100	1	06/10/2024 05:24	WG2301894
cis-1,2-Dichloroethene	0.564		0.0276	0.100	1	06/10/2024 05:24	WG2301894
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/10/2024 05:24	WG2301894
1,2-Dichloropropane	U		0.0508	0.200	1	06/10/2024 05:24	WG2301894
1,1-Dichloropropene	U		0.0280	0.100	1	06/10/2024 05:24	WG2301894
1,3-Dichloropropane	U		0.0700	0.200	1	06/10/2024 05:24	WG2301894
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/10/2024 05:24	WG2301894
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/10/2024 05:24	WG2301894
2,2-Dichloropropane	U		0.0317	0.100	1	06/10/2024 05:24	WG2301894
Di-isopropyl ether	U		0.0140	0.0400	1	06/10/2024 05:24	WG2301894
Ethylbenzene	U		0.0212	0.100	1	06/10/2024 05:24	WG2301894
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/10/2024 05:24	WG2301894
2-Hexanone	U		0.400	1.00	1	06/10/2024 05:24	WG2301894
n-Hexane	U		0.0424	0.200	1	06/10/2024 05:24	WG2301894
Iodomethane	U		0.242	0.500	1	06/10/2024 05:24	WG2301894
Isopropylbenzene	U		0.0345	0.100	1	06/10/2024 05:24	WG2301894
p-Isopropyltoluene	U		0.0932	0.200	1	06/10/2024 05:24	WG2301894
2-Butanone (MEK)	U		0.500	1.00	1	06/10/2024 05:24	WG2301894
Methylene Chloride	U		0.265	1.00	1	06/10/2024 05:24	WG2301894
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/10/2024 05:24	WG2301894
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/10/2024 05:24	WG2301894
Naphthalene	U		0.124	0.500	1	06/10/2024 05:24	WG2301894
n-Propylbenzene	U		0.0472	0.200	1	06/10/2024 05:24	WG2301894
Styrene	U		0.109	0.500	1	06/10/2024 05:24	WG2301894
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/10/2024 05:24	WG2301894
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/10/2024 05:24	WG2301894

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/18/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/10/2024 05:24	WG2301894
Tetrachloroethene	U		0.0280	0.100	1	06/10/2024 05:24	WG2301894
Toluene	U		0.0500	0.200	1	06/10/2024 05:24	WG2301894
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/10/2024 05:24	WG2301894
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/10/2024 05:24	WG2301894
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/10/2024 05:24	WG2301894
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/10/2024 05:24	WG2301894
Trichloroethene	U		0.0160	0.0400	1	06/10/2024 05:24	WG2301894
Trichlorofluoromethane	U		0.0200	0.100	1	06/10/2024 05:24	WG2301894
1,2,3-Trichloropropane	U		0.204	0.500	1	06/10/2024 05:24	WG2301894
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/10/2024 05:24	WG2301894
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/10/2024 05:24	WG2301894
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/10/2024 05:24	WG2301894
Vinyl acetate	U		0.141	0.500	1	06/10/2024 05:24	WG2301894
Vinyl chloride	0.273		0.0273	0.100	1	06/10/2024 05:24	WG2301894
Xylenes, Total	U		0.191	0.260	1	06/10/2024 05:24	WG2301894
(S) Toluene-d8	103			75.0-131		06/10/2024 05:24	WG2301894
(S) 4-Bromofluorobenzene	98.8			67.0-138		06/10/2024 05:24	WG2301894
(S) 1,2-Dichloroethane-d4	92.7			70.0-130		06/10/2024 05:24	WG2301894

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/18/24

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Sulfate	17600	J	5940	50000	10	06/28/2024 02:51	WG2310843

Sample Narrative:
L1742408-03 WG2310843: Dilution due to matrix interference

Wet Chemistry by Method 9060A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	5610		102	1000	1	06/19/2024 05:23	WG2307287

Metals (ICPMS) by Method 6020B

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Iron	7670		28.1	100	1	07/03/2024 17:17	WG2308019
Manganese	1760		0.704	5.00	1	07/03/2024 17:17	WG2308019

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Methane	1080	J	0.287	0.678	1	06/06/2024 11:32	WG2297748
Ethane	13.0	J	0.296	1.29	1	06/06/2024 11:32	WG2297748
Ethene	9.86	J	0.422	1.27	1	06/06/2024 11:32	WG2297748

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

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Acetone	U		2.74	5.00	5	06/10/2024 09:38	WG2301894
Acrylonitrile	U		0.380	2.50	5	06/10/2024 09:38	WG2301894
Benzene	U		0.0800	0.200	5	06/10/2024 09:38	WG2301894
Bromobenzene	U		0.210	2.50	5	06/10/2024 09:38	WG2301894
Bromochloromethane	U		0.226	1.00	5	06/10/2024 09:38	WG2301894
Bromodichloromethane	U		0.158	0.500	5	06/10/2024 09:38	WG2301894
Bromoform	U		1.20	5.00	5	06/10/2024 09:38	WG2301894
Bromomethane	U	UJ C3	0.740	2.50	5	06/10/2024 09:38	WG2301894
n-Butylbenzene	U		0.765	2.50	5	06/10/2024 09:38	WG2301894
sec-Butylbenzene	U		0.505	2.50	5	06/10/2024 09:38	WG2301894
tert-Butylbenzene	U		0.310	1.00	5	06/10/2024 09:38	WG2301894
Carbon disulfide	U		0.810	2.50	5	06/10/2024 09:38	WG2301894
Carbon tetrachloride	U		0.216	1.00	5	06/10/2024 09:38	WG2301894
Chlorobenzene	U		0.115	0.500	5	06/10/2024 09:38	WG2301894
Chlorodibromomethane	U		0.0900	0.500	5	06/10/2024 09:38	WG2301894
Chloroethane	U		0.216	1.00	5	06/10/2024 09:38	WG2301894
Chloroform	U		0.0830	0.500	5	06/10/2024 09:38	WG2301894
Chloromethane	U		0.278	2.50	5	06/10/2024 09:38	WG2301894
2-Chlorotoluene	U		0.184	0.500	5	06/10/2024 09:38	WG2301894
4-Chlorotoluene	U		0.226	1.00	5	06/10/2024 09:38	WG2301894
1,2-Dibromo-3-Chloropropane	U	UJ C3	1.02	5.00	5	06/10/2024 09:38	WG2301894
1,2-Dibromoethane	U		0.105	0.500	5	06/10/2024 09:38	WG2301894
Dibromomethane	U		0.200	1.00	5	06/10/2024 09:38	WG2301894
1,2-Dichlorobenzene	U		0.290	1.00	5	06/10/2024 09:38	WG2301894
1,3-Dichlorobenzene	U		0.340	1.00	5	06/10/2024 09:38	WG2301894
1,4-Dichlorobenzene	U		0.394	1.00	5	06/10/2024 09:38	WG2301894
trans-1,4-Dichloro-2-butene	U	UJ C3	0.280	1.00	5	06/10/2024 09:38	WG2301894
Dichlorodifluoromethane	U		0.164	1.00	5	06/10/2024 09:38	WG2301894

JC 7/18/24

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

MW-987-053124

SAMPLE RESULTS - 03

Collected date/time: 05/31/24 12:34

L1742408

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1-Dichloroethane	U		0.115	0.500	5	06/10/2024 09:38	WG2301894
1,2-Dichloroethane	U		0.0950	0.500	5	06/10/2024 09:38	WG2301894
1,1-Dichloroethene	U		0.100	0.500	5	06/10/2024 09:38	WG2301894
cis-1,2-Dichloroethene	56.5		0.138	0.500	5	06/10/2024 09:38	WG2301894
trans-1,2-Dichloroethene	1.15		0.286	1.00	5	06/10/2024 09:38	WG2301894
1,2-Dichloropropane	U		0.254	1.00	5	06/10/2024 09:38	WG2301894
1,1-Dichloropropene	U		0.140	0.500	5	06/10/2024 09:38	WG2301894
1,3-Dichloropropane	U		0.350	1.00	5	06/10/2024 09:38	WG2301894
cis-1,3-Dichloropropene	U		0.136	0.500	5	06/10/2024 09:38	WG2301894
trans-1,3-Dichloropropene	U		0.306	1.00	5	06/10/2024 09:38	WG2301894
2,2-Dichloropropane	U		0.159	0.500	5	06/10/2024 09:38	WG2301894
Di-isopropyl ether	U		0.0700	0.200	5	06/10/2024 09:38	WG2301894
Ethylbenzene	U		0.106	0.500	5	06/10/2024 09:38	WG2301894
Hexachloro-1,3-butadiene	U		2.54	5.00	5	06/10/2024 09:38	WG2301894
2-Hexanone	U		2.00	5.00	5	06/10/2024 09:38	WG2301894
n-Hexane	U		0.212	1.00	5	06/10/2024 09:38	WG2301894
Iodomethane	U		1.21	2.50	5	06/10/2024 09:38	WG2301894
Isopropylbenzene	U		0.173	0.500	5	06/10/2024 09:38	WG2301894
p-Isopropyltoluene	U		0.466	1.00	5	06/10/2024 09:38	WG2301894
2-Butanone (MEK)	U		2.50	5.00	5	06/10/2024 09:38	WG2301894
Methylene Chloride	U		1.33	5.00	5	06/10/2024 09:38	WG2301894
4-Methyl-2-pentanone (MIBK)	U		2.00	5.00	5	06/10/2024 09:38	WG2301894
Methyl tert-butyl ether	U		0.0590	0.200	5	06/10/2024 09:38	WG2301894
Naphthalene	U		0.620	2.50	5	06/10/2024 09:38	WG2301894
n-Propylbenzene	U		0.236	1.00	5	06/10/2024 09:38	WG2301894
Styrene	U		0.545	2.50	5	06/10/2024 09:38	WG2301894
1,1,1,2-Tetrachloroethane	U		0.100	0.500	5	06/10/2024 09:38	WG2301894
1,1,2,2-Tetrachloroethane	U		0.0780	0.500	5	06/10/2024 09:38	WG2301894
1,1,2-Trichlorotrifluoroethane	U		0.135	0.500	5	06/10/2024 09:38	WG2301894
Tetrachloroethene	U		0.140	0.500	5	06/10/2024 09:38	WG2301894
Toluene	U		0.250	1.00	5	06/10/2024 09:38	WG2301894
1,2,3-Trichlorobenzene	U		0.125	2.50	5	06/10/2024 09:38	WG2301894
1,2,4-Trichlorobenzene	U		0.965	2.50	5	06/10/2024 09:38	WG2301894
1,1,1-Trichloroethane	U		0.0550	0.500	5	06/10/2024 09:38	WG2301894
1,1,2-Trichloroethane	U		0.177	0.500	5	06/10/2024 09:38	WG2301894
Trichloroethene	0.340		0.0800	0.200	5	06/10/2024 09:38	WG2301894
Trichlorofluoromethane	U		0.100	0.500	5	06/10/2024 09:38	WG2301894
1,2,3-Trichloropropane	U		1.02	2.50	5	06/10/2024 09:38	WG2301894
1,2,4-Trimethylbenzene	U		0.232	1.00	5	06/10/2024 09:38	WG2301894
1,2,3-Trimethylbenzene	U		0.230	1.00	5	06/10/2024 09:38	WG2301894
1,3,5-Trimethylbenzene	U		0.216	1.00	5	06/10/2024 09:38	WG2301894
Vinyl acetate	U		0.705	2.50	5	06/10/2024 09:38	WG2301894
Vinyl chloride	160		0.137	0.500	5	06/10/2024 09:38	WG2301894
Xylenes, Total	U		0.955	1.30	5	06/10/2024 09:38	WG2301894
(S) Toluene-d8	103			75.0-131		06/10/2024 09:38	WG2301894
(S) 4-Bromofluorobenzene	102			67.0-138		06/10/2024 09:38	WG2301894
(S) 1,2-Dichloroethane-d4	92.3			70.0-130		06/10/2024 09:38	WG2301894

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/18/24

ACCOUNT:

PES Environmental, Inc.- WA

PROJECT:

443022-1413001.10

SDG:

L1742408

DATE/TIME:

07/05/24 10:58

PAGE:

10 of 25

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	15600		594	5000	1	06/28/2024 03:23	WG2310843

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	5780		102	1000	1	06/19/2024 05:44	WG2307287

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	7540		28.1	100	1	07/03/2024 17:20	WG2308019
Manganese	1670		0.704	5.00	1	07/03/2024 17:20	WG2308019

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	10200	J	2.87	6.78	10	06/06/2024 13:55	WG2300036
Ethane	116	J	0.296	1.29	1	06/06/2024 11:40	WG2297748
Ethene	85.9	J	0.422	1.27	1	06/06/2024 11:40	WG2297748

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		5.48	10.0	10	06/10/2024 09:58	WG2301894
Acrylonitrile	U		0.760	5.00	10	06/10/2024 09:58	WG2301894
Benzene	U		0.160	0.400	10	06/10/2024 09:58	WG2301894
Bromobenzene	U		0.420	5.00	10	06/10/2024 09:58	WG2301894
Bromochloromethane	U		0.452	2.00	10	06/10/2024 09:58	WG2301894
Bromodichloromethane	U		0.315	1.00	10	06/10/2024 09:58	WG2301894
Bromoform	U		2.39	10.0	10	06/10/2024 09:58	WG2301894
Bromomethane	U	UJ C3	1.48	5.00	10	06/10/2024 09:58	WG2301894
n-Butylbenzene	U		1.53	5.00	10	06/10/2024 09:58	WG2301894
sec-Butylbenzene	U		1.01	5.00	10	06/10/2024 09:58	WG2301894
tert-Butylbenzene	U		0.620	2.00	10	06/10/2024 09:58	WG2301894
Carbon disulfide	U		1.62	5.00	10	06/10/2024 09:58	WG2301894
Carbon tetrachloride	U		0.432	2.00	10	06/10/2024 09:58	WG2301894
Chlorobenzene	U		0.229	1.00	10	06/10/2024 09:58	WG2301894
Chlorodibromomethane	U		0.180	1.00	10	06/10/2024 09:58	WG2301894
Chloroethane	U		0.432	2.00	10	06/10/2024 09:58	WG2301894
Chloroform	U		0.166	1.00	10	06/10/2024 09:58	WG2301894
Chloromethane	U		0.556	5.00	10	06/10/2024 09:58	WG2301894
2-Chlorotoluene	U		0.368	1.00	10	06/10/2024 09:58	WG2301894
4-Chlorotoluene	U		0.452	2.00	10	06/10/2024 09:58	WG2301894
1,2-Dibromo-3-Chloropropane	U	UJ C3	2.04	10.0	10	06/10/2024 09:58	WG2301894
1,2-Dibromoethane	U		0.210	1.00	10	06/10/2024 09:58	WG2301894
Dibromomethane	U		0.400	2.00	10	06/10/2024 09:58	WG2301894
1,2-Dichlorobenzene	U		0.580	2.00	10	06/10/2024 09:58	WG2301894
1,3-Dichlorobenzene	U		0.680	2.00	10	06/10/2024 09:58	WG2301894
1,4-Dichlorobenzene	U		0.788	2.00	10	06/10/2024 09:58	WG2301894
trans-1,4-Dichloro-2-butene	U	UJ C3	0.560	2.00	10	06/10/2024 09:58	WG2301894
Dichlorodifluoromethane	U		0.327	2.00	10	06/10/2024 09:58	WG2301894
1,1-Dichloroethane	U		0.230	1.00	10	06/10/2024 09:58	WG2301894
1,2-Dichloroethane	U		0.190	1.00	10	06/10/2024 09:58	WG2301894
1,1-Dichloroethene	U		0.200	1.00	10	06/10/2024 09:58	WG2301894

JC 7/18/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	38.8		0.276	1.00	10	06/10/2024 09:58	WG2301894
trans-1,2-Dichloroethene	1.16	U	0.572	2.00	10	06/10/2024 09:58	WG2301894
1,2-Dichloropropane	U		0.508	2.00	10	06/10/2024 09:58	WG2301894
1,1-Dichloropropene	U		0.280	1.00	10	06/10/2024 09:58	WG2301894
1,3-Dichloropropane	U		0.700	2.00	10	06/10/2024 09:58	WG2301894
cis-1,3-Dichloropropene	U		0.271	1.00	10	06/10/2024 09:58	WG2301894
trans-1,3-Dichloropropene	U		0.612	2.00	10	06/10/2024 09:58	WG2301894
2,2-Dichloropropane	U		0.317	1.00	10	06/10/2024 09:58	WG2301894
Di-isopropyl ether	U		0.140	0.400	10	06/10/2024 09:58	WG2301894
Ethylbenzene	U		0.212	1.00	10	06/10/2024 09:58	WG2301894
Hexachloro-1,3-butadiene	U		5.08	10.0	10	06/10/2024 09:58	WG2301894
2-Hexanone	U		4.00	10.0	10	06/10/2024 09:58	WG2301894
n-Hexane	U		0.424	2.00	10	06/10/2024 09:58	WG2301894
Iodomethane	U		2.42	5.00	10	06/10/2024 09:58	WG2301894
Isopropylbenzene	U		0.345	1.00	10	06/10/2024 09:58	WG2301894
p-Isopropyltoluene	U		0.932	2.00	10	06/10/2024 09:58	WG2301894
2-Butanone (MEK)	U		5.00	10.0	10	06/10/2024 09:58	WG2301894
Methylene Chloride	U		2.65	10.0	10	06/10/2024 09:58	WG2301894
4-Methyl-2-pentanone (MIBK)	U		4.00	10.0	10	06/10/2024 09:58	WG2301894
Methyl tert-butyl ether	U		0.118	0.400	10	06/10/2024 09:58	WG2301894
Naphthalene	U		1.24	5.00	10	06/10/2024 09:58	WG2301894
n-Propylbenzene	U		0.472	2.00	10	06/10/2024 09:58	WG2301894
Styrene	U		1.09	5.00	10	06/10/2024 09:58	WG2301894
1,1,1,2-Tetrachloroethane	U		0.200	1.00	10	06/10/2024 09:58	WG2301894
1,1,2,2-Tetrachloroethane	U		0.156	1.00	10	06/10/2024 09:58	WG2301894
1,1,2-Trichlorotrifluoroethane	U		0.270	1.00	10	06/10/2024 09:58	WG2301894
Tetrachloroethene	U		0.280	1.00	10	06/10/2024 09:58	WG2301894
Toluene	U		0.500	2.00	10	06/10/2024 09:58	WG2301894
1,2,3-Trichlorobenzene	U		0.250	5.00	10	06/10/2024 09:58	WG2301894
1,2,4-Trichlorobenzene	U		1.93	5.00	10	06/10/2024 09:58	WG2301894
1,1,1-Trichloroethane	U		0.110	1.00	10	06/10/2024 09:58	WG2301894
1,1,2-Trichloroethane	U		0.353	1.00	10	06/10/2024 09:58	WG2301894
Trichloroethene	0.510		0.160	0.400	10	06/10/2024 09:58	WG2301894
Trichlorofluoromethane	U		0.200	1.00	10	06/10/2024 09:58	WG2301894
1,2,3-Trichloropropane	U		2.04	5.00	10	06/10/2024 09:58	WG2301894
1,2,4-Trimethylbenzene	U		0.464	2.00	10	06/10/2024 09:58	WG2301894
1,2,3-Trimethylbenzene	U		0.460	2.00	10	06/10/2024 09:58	WG2301894
1,3,5-Trimethylbenzene	U		0.432	2.00	10	06/10/2024 09:58	WG2301894
Vinyl acetate	U		1.41	5.00	10	06/10/2024 09:58	WG2301894
Vinyl chloride	149		0.273	1.00	10	06/10/2024 09:58	WG2301894
Xylenes, Total	U		1.91	2.60	10	06/10/2024 09:58	WG2301894
(S) Toluene-d8	101			75.0-131		06/10/2024 09:58	WG2301894
(S) 4-Bromofluorobenzene	98.8			67.0-138		06/10/2024 09:58	WG2301894
(S) 1,2-Dichloroethane-d4	89.4			70.0-130		06/10/2024 09:58	WG2301894

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/18/24

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Sulfate	U		594	5000	1	06/28/2024 04:27	WG2310843

¹ Cp

² Tc

Wet Chemistry by Method 9060A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	4720		102	1000	1	06/19/2024 21:57	WG2307289

³ Ss

⁴ Cn

Metals (ICPMS) by Method 6020B

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Iron	9220		28.1	100	1	07/03/2024 17:26	WG2308019
Manganese	1430		0.704	5.00	1	07/03/2024 17:26	WG2308019

⁵ Sr

⁶ Qc

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Methane	19400		2.87	6.78	10	06/09/2024 18:38	WG2301834
Ethane	239		0.296	1.29	1	06/09/2024 11:59	WG2300079
Ethene	U		0.422	1.27	1	06/09/2024 11:59	WG2300079

⁷ Gl

⁸ Al

⁹ Sc

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

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Acetone	5.27		0.548	1.00	1	06/10/2024 06:22	WG2301894
Acrylonitrile	U		0.0760	0.500	1	06/10/2024 06:22	WG2301894
Benzene	U		0.0160	0.0400	1	06/10/2024 06:22	WG2301894
Bromobenzene	U		0.0420	0.500	1	06/10/2024 06:22	WG2301894
Bromochloromethane	U		0.0452	0.200	1	06/10/2024 06:22	WG2301894
Bromodichloromethane	U		0.0315	0.100	1	06/10/2024 06:22	WG2301894
Bromoform	U		0.239	1.00	1	06/10/2024 06:22	WG2301894
Bromomethane	U	UJ C3	0.148	0.500	1	06/10/2024 06:22	WG2301894
n-Butylbenzene	U		0.153	0.500	1	06/10/2024 06:22	WG2301894
sec-Butylbenzene	U		0.101	0.500	1	06/10/2024 06:22	WG2301894
tert-Butylbenzene	U		0.0620	0.200	1	06/10/2024 06:22	WG2301894
Carbon disulfide	U		0.162	0.500	1	06/10/2024 06:22	WG2301894
Carbon tetrachloride	U		0.0432	0.200	1	06/10/2024 06:22	WG2301894
Chlorobenzene	U		0.0229	0.100	1	06/10/2024 06:22	WG2301894
Chlorodibromomethane	U		0.0180	0.100	1	06/10/2024 06:22	WG2301894
Chloroethane	U		0.0432	0.200	1	06/10/2024 06:22	WG2301894
Chloroform	U		0.0166	0.100	1	06/10/2024 06:22	WG2301894
Chloromethane	U		0.0556	0.500	1	06/10/2024 06:22	WG2301894
2-Chlorotoluene	U		0.0368	0.100	1	06/10/2024 06:22	WG2301894
4-Chlorotoluene	U		0.0452	0.200	1	06/10/2024 06:22	WG2301894
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/10/2024 06:22	WG2301894
1,2-Dibromoethane	U		0.0210	0.100	1	06/10/2024 06:22	WG2301894
Dibromomethane	U		0.0400	0.200	1	06/10/2024 06:22	WG2301894
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/10/2024 06:22	WG2301894
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/10/2024 06:22	WG2301894
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/10/2024 06:22	WG2301894
trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	06/10/2024 06:22	WG2301894
Dichlorodifluoromethane	U		0.0327	0.200	1	06/10/2024 06:22	WG2301894
1,1-Dichloroethane	U		0.0230	0.100	1	06/10/2024 06:22	WG2301894
1,2-Dichloroethane	0.191		0.0190	0.100	1	06/10/2024 06:22	WG2301894
1,1-Dichloroethene	U		0.0200	0.100	1	06/10/2024 06:22	WG2301894

JC 7/18/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	5.99		0.0276	0.100	1	06/10/2024 06:22	WG2301894
trans-1,2-Dichloroethene	1.79		0.0572	0.200	1	06/10/2024 06:22	WG2301894
1,2-Dichloropropane	U		0.0508	0.200	1	06/10/2024 06:22	WG2301894
1,1-Dichloropropene	U		0.0280	0.100	1	06/10/2024 06:22	WG2301894
1,3-Dichloropropane	U		0.0700	0.200	1	06/10/2024 06:22	WG2301894
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/10/2024 06:22	WG2301894
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/10/2024 06:22	WG2301894
2,2-Dichloropropane	U		0.0317	0.100	1	06/10/2024 06:22	WG2301894
Di-isopropyl ether	0.0540		0.0140	0.0400	1	06/10/2024 06:22	WG2301894
Ethylbenzene	U		0.0212	0.100	1	06/10/2024 06:22	WG2301894
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/10/2024 06:22	WG2301894
2-Hexanone	U		0.400	1.00	1	06/10/2024 06:22	WG2301894
n-Hexane	U		0.0424	0.200	1	06/10/2024 06:22	WG2301894
Iodomethane	U		0.242	0.500	1	06/10/2024 06:22	WG2301894
Isopropylbenzene	U		0.0345	0.100	1	06/10/2024 06:22	WG2301894
p-Isopropyltoluene	U		0.0932	0.200	1	06/10/2024 06:22	WG2301894
2-Butanone (MEK)	U		0.500	1.00	1	06/10/2024 06:22	WG2301894
Methylene Chloride	0.284	U	0.265	1.00	1	06/10/2024 06:22	WG2301894
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/10/2024 06:22	WG2301894
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/10/2024 06:22	WG2301894
Naphthalene	U		0.124	0.500	1	06/10/2024 06:22	WG2301894
n-Propylbenzene	U		0.0472	0.200	1	06/10/2024 06:22	WG2301894
Styrene	U		0.109	0.500	1	06/10/2024 06:22	WG2301894
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/10/2024 06:22	WG2301894
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/10/2024 06:22	WG2301894
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/10/2024 06:22	WG2301894
Tetrachloroethene	U		0.0280	0.100	1	06/10/2024 06:22	WG2301894
Toluene	0.0520	U	0.0500	0.200	1	06/10/2024 06:22	WG2301894
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/10/2024 06:22	WG2301894
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/10/2024 06:22	WG2301894
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/10/2024 06:22	WG2301894
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/10/2024 06:22	WG2301894
Trichloroethene	0.162		0.0160	0.0400	1	06/10/2024 06:22	WG2301894
Trichlorofluoromethane	U		0.0200	0.100	1	06/10/2024 06:22	WG2301894
1,2,3-Trichloropropane	U		0.204	0.500	1	06/10/2024 06:22	WG2301894
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/10/2024 06:22	WG2301894
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/10/2024 06:22	WG2301894
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/10/2024 06:22	WG2301894
Vinyl acetate	U		0.141	0.500	1	06/10/2024 06:22	WG2301894
Vinyl chloride	3.55		0.0273	0.100	1	06/10/2024 06:22	WG2301894
Xylenes, Total	U		0.191	0.260	1	06/10/2024 06:22	WG2301894
(S) Toluene-d8	99.3			75.0-131		06/10/2024 06:22	WG2301894
(S) 4-Bromofluorobenzene	101			67.0-138		06/10/2024 06:22	WG2301894
(S) 1,2-Dichloroethane-d4	94.3			70.0-130		06/10/2024 06:22	WG2301894



JC 7/18/24

Wet Chemistry by Method 9056A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Sulfate	15300		594	5000	1	06/28/2024 04:43	WG2310843

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Wet Chemistry by Method 9060A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1810		102	1000	1	06/19/2024 22:11	WG2307289

Metals (ICPMS) by Method 6020B

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Iron	205		28.1	100	1	07/03/2024 17:30	WG2308019
Manganese	89.1		0.704	5.00	1	07/03/2024 17:30	WG2308019

Volatile Organic Compounds (GC) by Method RSK175

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Methane	8170		2.87	6.78	10	06/09/2024 18:41	WG2301834
Ethane	99.1		0.296	1.29	1	06/09/2024 12:05	WG2300079
Ethene	71.0		0.422	1.27	1	06/09/2024 12:05	WG2300079

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

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Acetone	52.2		0.548	1.00	1	06/10/2024 06:42	WG2301894
Acrylonitrile	U		0.0760	0.500	1	06/10/2024 06:42	WG2301894
Benzene	0.0280	J	0.0160	0.0400	1	06/10/2024 06:42	WG2301894
Bromobenzene	U		0.0420	0.500	1	06/10/2024 06:42	WG2301894
Bromochloromethane	U		0.0452	0.200	1	06/10/2024 06:42	WG2301894
Bromodichloromethane	U		0.0315	0.100	1	06/10/2024 06:42	WG2301894
Bromoform	U		0.239	1.00	1	06/10/2024 06:42	WG2301894
Bromomethane	U	UJ C3	0.148	0.500	1	06/10/2024 06:42	WG2301894
n-Butylbenzene	U		0.153	0.500	1	06/10/2024 06:42	WG2301894
sec-Butylbenzene	U		0.101	0.500	1	06/10/2024 06:42	WG2301894
tert-Butylbenzene	U		0.0620	0.200	1	06/10/2024 06:42	WG2301894
Carbon disulfide	0.476	J	0.162	0.500	1	06/10/2024 06:42	WG2301894
Carbon tetrachloride	U		0.0432	0.200	1	06/10/2024 06:42	WG2301894
Chlorobenzene	U		0.0229	0.100	1	06/10/2024 06:42	WG2301894
Chlorodibromomethane	U		0.0180	0.100	1	06/10/2024 06:42	WG2301894
Chloroethane	U		0.0432	0.200	1	06/10/2024 06:42	WG2301894
Chloroform	U		0.0166	0.100	1	06/10/2024 06:42	WG2301894
Chloromethane	U		0.0556	0.500	1	06/10/2024 06:42	WG2301894
2-Chlorotoluene	U		0.0368	0.100	1	06/10/2024 06:42	WG2301894
4-Chlorotoluene	U		0.0452	0.200	1	06/10/2024 06:42	WG2301894
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/10/2024 06:42	WG2301894
1,2-Dibromoethane	U		0.0210	0.100	1	06/10/2024 06:42	WG2301894
Dibromomethane	U		0.0400	0.200	1	06/10/2024 06:42	WG2301894
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/10/2024 06:42	WG2301894
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/10/2024 06:42	WG2301894
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/10/2024 06:42	WG2301894
trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	06/10/2024 06:42	WG2301894
Dichlorodifluoromethane	U		0.0327	0.200	1	06/10/2024 06:42	WG2301894
1,1-Dichloroethane	U		0.0230	0.100	1	06/10/2024 06:42	WG2301894
1,2-Dichloroethane	U		0.0190	0.100	1	06/10/2024 06:42	WG2301894
1,1-Dichloroethene	U		0.0200	0.100	1	06/10/2024 06:42	WG2301894

JC 7/18/24

MW-347-052924

SAMPLE RESULTS - 02

Collected date/time: 05/29/24 10:50

L1742410

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	3.46		0.0276	0.100	1	06/10/2024 06:42	WG2301894
trans-1,2-Dichloroethene	0.0630	J	0.0572	0.200	1	06/10/2024 06:42	WG2301894
1,2-Dichloropropane	U		0.0508	0.200	1	06/10/2024 06:42	WG2301894
1,1-Dichloropropene	U		0.0280	0.100	1	06/10/2024 06:42	WG2301894
1,3-Dichloropropane	U		0.0700	0.200	1	06/10/2024 06:42	WG2301894
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/10/2024 06:42	WG2301894
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/10/2024 06:42	WG2301894
2,2-Dichloropropane	U		0.0317	0.100	1	06/10/2024 06:42	WG2301894
Di-isopropyl ether	U		0.0140	0.0400	1	06/10/2024 06:42	WG2301894
Ethylbenzene	U		0.0212	0.100	1	06/10/2024 06:42	WG2301894
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/10/2024 06:42	WG2301894
2-Hexanone	U		0.400	1.00	1	06/10/2024 06:42	WG2301894
n-Hexane	U		0.0424	0.200	1	06/10/2024 06:42	WG2301894
Iodomethane	U		0.242	0.500	1	06/10/2024 06:42	WG2301894
Isopropylbenzene	U		0.0345	0.100	1	06/10/2024 06:42	WG2301894
p-Isopropyltoluene	U		0.0932	0.200	1	06/10/2024 06:42	WG2301894
2-Butanone (MEK)	U		0.500	1.00	1	06/10/2024 06:42	WG2301894
Methylene Chloride	U		0.265	1.00	1	06/10/2024 06:42	WG2301894
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/10/2024 06:42	WG2301894
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/10/2024 06:42	WG2301894
Naphthalene	U		0.124	0.500	1	06/10/2024 06:42	WG2301894
n-Propylbenzene	U		0.0472	0.200	1	06/10/2024 06:42	WG2301894
Styrene	U		0.109	0.500	1	06/10/2024 06:42	WG2301894
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/10/2024 06:42	WG2301894
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/10/2024 06:42	WG2301894
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/10/2024 06:42	WG2301894
Tetrachloroethene	0.143	J+ C5	0.0280	0.100	1	06/10/2024 06:42	WG2301894
Toluene	U		0.0500	0.200	1	06/10/2024 06:42	WG2301894
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/10/2024 06:42	WG2301894
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/10/2024 06:42	WG2301894
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/10/2024 06:42	WG2301894
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/10/2024 06:42	WG2301894
Trichloroethene	0.476		0.0160	0.0400	1	06/10/2024 06:42	WG2301894
Trichlorofluoromethane	U		0.0200	0.100	1	06/10/2024 06:42	WG2301894
1,2,3-Trichloropropane	U		0.204	0.500	1	06/10/2024 06:42	WG2301894
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/10/2024 06:42	WG2301894
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/10/2024 06:42	WG2301894
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/10/2024 06:42	WG2301894
Vinyl acetate	U		0.141	0.500	1	06/10/2024 06:42	WG2301894
Vinyl chloride	10.7		0.0273	0.100	1	06/10/2024 06:42	WG2301894
Xylenes, Total	U		0.191	0.260	1	06/10/2024 06:42	WG2301894
(S) Toluene-d8	100			75.0-131		06/10/2024 06:42	WG2301894
(S) 4-Bromofluorobenzene	102			67.0-138		06/10/2024 06:42	WG2301894
(S) 1,2-Dichloroethane-d4	94.0			70.0-130		06/10/2024 06:42	WG2301894

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 7/18/24

ACCOUNT:

PES Environmental, Inc.- WA

PROJECT:

443022-1413001.10

SDG:

L1742410

DATE/TIME:

07/05/24 11:29

PAGE:

8 of 24

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Sulfate	1980	J	594	5000	1	06/28/2024 04:59	WG2310843

1
Cp

2
Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	462	J	102	1000	1	06/19/2024 22:24	WG2307289

3
Ss

4
Cn

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Iron	685		28.1	100	1	07/03/2024 17:33	WG2308019
Manganese	38.0		0.704	5.00	1	07/03/2024 17:33	WG2308019

5
Sr

6
Qc

7
Gl

Volatile Organic Compounds (GC) by Method RSK175

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Methane	U		0.287	0.678	1	06/09/2024 12:12	WG2300079
Ethane	U		0.296	1.29	1	06/09/2024 12:12	WG2300079
Ethene	U		0.422	1.27	1	06/09/2024 12:12	WG2300079

8
Al

9
Sc

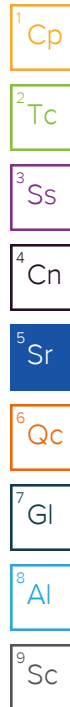
Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Acetone	U		0.548	1.00	1	06/10/2024 07:01	WG2301894
Acrylonitrile	U		0.0760	0.500	1	06/10/2024 07:01	WG2301894
Benzene	U		0.0160	0.0400	1	06/10/2024 07:01	WG2301894
Bromobenzene	U		0.0420	0.500	1	06/10/2024 07:01	WG2301894
Bromochloromethane	U		0.0452	0.200	1	06/10/2024 07:01	WG2301894
Bromodichloromethane	U		0.0315	0.100	1	06/10/2024 07:01	WG2301894
Bromoform	U		0.239	1.00	1	06/10/2024 07:01	WG2301894
Bromomethane	U	UJ C3	0.148	0.500	1	06/10/2024 07:01	WG2301894
n-Butylbenzene	U		0.153	0.500	1	06/10/2024 07:01	WG2301894
sec-Butylbenzene	U		0.101	0.500	1	06/10/2024 07:01	WG2301894
tert-Butylbenzene	U		0.0620	0.200	1	06/10/2024 07:01	WG2301894
Carbon disulfide	U		0.162	0.500	1	06/10/2024 07:01	WG2301894
Carbon tetrachloride	U		0.0432	0.200	1	06/10/2024 07:01	WG2301894
Chlorobenzene	U		0.0229	0.100	1	06/10/2024 07:01	WG2301894
Chlorodibromomethane	U		0.0180	0.100	1	06/10/2024 07:01	WG2301894
Chloroethane	U		0.0432	0.200	1	06/10/2024 07:01	WG2301894
Chloroform	U		0.0166	0.100	1	06/10/2024 07:01	WG2301894
Chloromethane	U		0.0556	0.500	1	06/10/2024 07:01	WG2301894
2-Chlorotoluene	U		0.0368	0.100	1	06/10/2024 07:01	WG2301894
4-Chlorotoluene	U		0.0452	0.200	1	06/10/2024 07:01	WG2301894
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/10/2024 07:01	WG2301894
1,2-Dibromoethane	U		0.0210	0.100	1	06/10/2024 07:01	WG2301894
Dibromomethane	U		0.0400	0.200	1	06/10/2024 07:01	WG2301894
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/10/2024 07:01	WG2301894
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/10/2024 07:01	WG2301894
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/10/2024 07:01	WG2301894
trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	06/10/2024 07:01	WG2301894
Dichlorodifluoromethane	U		0.0327	0.200	1	06/10/2024 07:01	WG2301894
1,1-Dichloroethane	U		0.0230	0.100	1	06/10/2024 07:01	WG2301894
1,2-Dichloroethane	U		0.0190	0.100	1	06/10/2024 07:01	WG2301894
1,1-Dichloroethene	U		0.0200	0.100	1	06/10/2024 07:01	WG2301894

JC 7/18/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/10/2024 07:01	WG2301894
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/10/2024 07:01	WG2301894
1,2-Dichloropropane	U		0.0508	0.200	1	06/10/2024 07:01	WG2301894
1,1-Dichloropropene	U		0.0280	0.100	1	06/10/2024 07:01	WG2301894
1,3-Dichloropropane	U		0.0700	0.200	1	06/10/2024 07:01	WG2301894
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/10/2024 07:01	WG2301894
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/10/2024 07:01	WG2301894
2,2-Dichloropropane	U		0.0317	0.100	1	06/10/2024 07:01	WG2301894
Di-isopropyl ether	U		0.0140	0.0400	1	06/10/2024 07:01	WG2301894
Ethylbenzene	U		0.0212	0.100	1	06/10/2024 07:01	WG2301894
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/10/2024 07:01	WG2301894
2-Hexanone	U		0.400	1.00	1	06/10/2024 07:01	WG2301894
n-Hexane	U		0.0424	0.200	1	06/10/2024 07:01	WG2301894
Iodomethane	U		0.242	0.500	1	06/10/2024 07:01	WG2301894
Isopropylbenzene	U		0.0345	0.100	1	06/10/2024 07:01	WG2301894
p-Isopropyltoluene	U		0.0932	0.200	1	06/10/2024 07:01	WG2301894
2-Butanone (MEK)	U		0.500	1.00	1	06/10/2024 07:01	WG2301894
Methylene Chloride	U		0.265	1.00	1	06/10/2024 07:01	WG2301894
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/10/2024 07:01	WG2301894
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/10/2024 07:01	WG2301894
Naphthalene	U		0.124	0.500	1	06/10/2024 07:01	WG2301894
n-Propylbenzene	U		0.0472	0.200	1	06/10/2024 07:01	WG2301894
Styrene	U		0.109	0.500	1	06/10/2024 07:01	WG2301894
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/10/2024 07:01	WG2301894
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/10/2024 07:01	WG2301894
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/10/2024 07:01	WG2301894
Tetrachloroethene	U		0.0280	0.100	1	06/10/2024 07:01	WG2301894
Toluene	U		0.0500	0.200	1	06/10/2024 07:01	WG2301894
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/10/2024 07:01	WG2301894
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/10/2024 07:01	WG2301894
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/10/2024 07:01	WG2301894
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/10/2024 07:01	WG2301894
Trichloroethene	U		0.0160	0.0400	1	06/10/2024 07:01	WG2301894
Trichlorofluoromethane	U		0.0200	0.100	1	06/10/2024 07:01	WG2301894
1,2,3-Trichloropropane	U		0.204	0.500	1	06/10/2024 07:01	WG2301894
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/10/2024 07:01	WG2301894
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/10/2024 07:01	WG2301894
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/10/2024 07:01	WG2301894
Vinyl acetate	U		0.141	0.500	1	06/10/2024 07:01	WG2301894
Vinyl chloride	U		0.0273	0.100	1	06/10/2024 07:01	WG2301894
Xylenes, Total	U		0.191	0.260	1	06/10/2024 07:01	WG2301894
(S) Toluene-d8	98.6			75.0-131		06/10/2024 07:01	WG2301894
(S) 4-Bromofluorobenzene	103			67.0-138		06/10/2024 07:01	WG2301894
(S) 1,2-Dichloroethane-d4	95.1			70.0-130		06/10/2024 07:01	WG2301894



JC 7/18/24

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	1.10	U	0.548	1.00	1	06/10/2024 05:43	WG2301894
Acrylonitrile	U		0.0760	0.500	1	06/10/2024 05:43	WG2301894
Benzene	U		0.0160	0.0400	1	06/10/2024 05:43	WG2301894
Bromobenzene	U		0.0420	0.500	1	06/10/2024 05:43	WG2301894
Bromochloromethane	U		0.0452	0.200	1	06/10/2024 05:43	WG2301894
Bromodichloromethane	U		0.0315	0.100	1	06/10/2024 05:43	WG2301894
Bromoform	U		0.239	1.00	1	06/10/2024 05:43	WG2301894
Bromomethane	U	UJ C3	0.148	0.500	1	06/10/2024 05:43	WG2301894
n-Butylbenzene	U		0.153	0.500	1	06/10/2024 05:43	WG2301894
sec-Butylbenzene	U		0.101	0.500	1	06/10/2024 05:43	WG2301894
tert-Butylbenzene	U		0.0620	0.200	1	06/10/2024 05:43	WG2301894
Carbon disulfide	U		0.162	0.500	1	06/10/2024 05:43	WG2301894
Carbon tetrachloride	U		0.0432	0.200	1	06/10/2024 05:43	WG2301894
Chlorobenzene	U		0.0229	0.100	1	06/10/2024 05:43	WG2301894
Chlorodibromomethane	U		0.0180	0.100	1	06/10/2024 05:43	WG2301894
Chloroethane	U		0.0432	0.200	1	06/10/2024 05:43	WG2301894
Chloroform	U		0.0166	0.100	1	06/10/2024 05:43	WG2301894
Chloromethane	U		0.0556	0.500	1	06/10/2024 05:43	WG2301894
2-Chlorotoluene	U		0.0368	0.100	1	06/10/2024 05:43	WG2301894
4-Chlorotoluene	U		0.0452	0.200	1	06/10/2024 05:43	WG2301894
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/10/2024 05:43	WG2301894
1,2-Dibromoethane	U		0.0210	0.100	1	06/10/2024 05:43	WG2301894
Dibromomethane	U		0.0400	0.200	1	06/10/2024 05:43	WG2301894
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/10/2024 05:43	WG2301894
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/10/2024 05:43	WG2301894
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/10/2024 05:43	WG2301894
trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	06/10/2024 05:43	WG2301894
Dichlorodifluoromethane	U		0.0327	0.200	1	06/10/2024 05:43	WG2301894
1,1-Dichloroethane	U		0.0230	0.100	1	06/10/2024 05:43	WG2301894
1,2-Dichloroethane	U		0.0190	0.100	1	06/10/2024 05:43	WG2301894
1,1-Dichloroethene	U		0.0200	0.100	1	06/10/2024 05:43	WG2301894
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/10/2024 05:43	WG2301894
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/10/2024 05:43	WG2301894
1,2-Dichloropropane	U		0.0508	0.200	1	06/10/2024 05:43	WG2301894
1,1-Dichloropropene	U		0.0280	0.100	1	06/10/2024 05:43	WG2301894
1,3-Dichloropropane	U		0.0700	0.200	1	06/10/2024 05:43	WG2301894
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/10/2024 05:43	WG2301894
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/10/2024 05:43	WG2301894
2,2-Dichloropropane	U		0.0317	0.100	1	06/10/2024 05:43	WG2301894
Di-isopropyl ether	U		0.0140	0.0400	1	06/10/2024 05:43	WG2301894
Ethylbenzene	U		0.0212	0.100	1	06/10/2024 05:43	WG2301894
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/10/2024 05:43	WG2301894
2-Hexanone	U		0.400	1.00	1	06/10/2024 05:43	WG2301894
n-Hexane	U		0.0424	0.200	1	06/10/2024 05:43	WG2301894
Iodomethane	U		0.242	0.500	1	06/10/2024 05:43	WG2301894
Isopropylbenzene	U		0.0345	0.100	1	06/10/2024 05:43	WG2301894
p-Isopropyltoluene	U		0.0932	0.200	1	06/10/2024 05:43	WG2301894
2-Butanone (MEK)	U		0.500	1.00	1	06/10/2024 05:43	WG2301894
Methylene Chloride	U		0.265	1.00	1	06/10/2024 05:43	WG2301894
4-Methyl-2-pentanone (MIBK)	2.72		0.400	1.00	1	06/10/2024 05:43	WG2301894
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/10/2024 05:43	WG2301894
Naphthalene	U		0.124	0.500	1	06/10/2024 05:43	WG2301894
n-Propylbenzene	U		0.0472	0.200	1	06/10/2024 05:43	WG2301894
Styrene	U		0.109	0.500	1	06/10/2024 05:43	WG2301894
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/10/2024 05:43	WG2301894
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/10/2024 05:43	WG2301894

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/18/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/10/2024 05:43	WG2301894
Tetrachloroethene	U		0.0280	0.100	1	06/10/2024 05:43	WG2301894
Toluene	U		0.0500	0.200	1	06/10/2024 05:43	WG2301894
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/10/2024 05:43	WG2301894
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/10/2024 05:43	WG2301894
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/10/2024 05:43	WG2301894
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/10/2024 05:43	WG2301894
Trichloroethene	U		0.0160	0.0400	1	06/10/2024 05:43	WG2301894
Trichlorofluoromethane	U		0.0200	0.100	1	06/10/2024 05:43	WG2301894
1,2,3-Trichloropropane	U		0.204	0.500	1	06/10/2024 05:43	WG2301894
1,2,4-Trimethylbenzene	U		0.0464	0.200	1	06/10/2024 05:43	WG2301894
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/10/2024 05:43	WG2301894
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/10/2024 05:43	WG2301894
Vinyl acetate	U		0.141	0.500	1	06/10/2024 05:43	WG2301894
Vinyl chloride	U		0.0273	0.100	1	06/10/2024 05:43	WG2301894
Xylenes, Total	U		0.191	0.260	1	06/10/2024 05:43	WG2301894
(S) Toluene-d8	101			75.0-131		06/10/2024 05:43	WG2301894
(S) 4-Bromofluorobenzene	102			67.0-138		06/10/2024 05:43	WG2301894
(S) 1,2-Dichloroethane-d4	92.4			70.0-130		06/10/2024 05:43	WG2301894

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		0.548	1.00	1	06/10/2024 06:03	WG2301894
Acrylonitrile	U		0.0760	0.500	1	06/10/2024 06:03	WG2301894
Benzene	U		0.0160	0.0400	1	06/10/2024 06:03	WG2301894
Bromobenzene	U		0.0420	0.500	1	06/10/2024 06:03	WG2301894
Bromochloromethane	U		0.0452	0.200	1	06/10/2024 06:03	WG2301894
Bromodichloromethane	U		0.0315	0.100	1	06/10/2024 06:03	WG2301894
Bromoform	U		0.239	1.00	1	06/10/2024 06:03	WG2301894
Bromomethane	U	UJ C3	0.148	0.500	1	06/10/2024 06:03	WG2301894
n-Butylbenzene	U		0.153	0.500	1	06/10/2024 06:03	WG2301894
sec-Butylbenzene	U		0.101	0.500	1	06/10/2024 06:03	WG2301894
tert-Butylbenzene	U		0.0620	0.200	1	06/10/2024 06:03	WG2301894
Carbon disulfide	U		0.162	0.500	1	06/10/2024 06:03	WG2301894
Carbon tetrachloride	U		0.0432	0.200	1	06/10/2024 06:03	WG2301894
Chlorobenzene	U		0.0229	0.100	1	06/10/2024 06:03	WG2301894
Chlorodibromomethane	U		0.0180	0.100	1	06/10/2024 06:03	WG2301894
Chloroethane	U		0.0432	0.200	1	06/10/2024 06:03	WG2301894
Chloroform	U		0.0166	0.100	1	06/10/2024 06:03	WG2301894
Chloromethane	U		0.0556	0.500	1	06/10/2024 06:03	WG2301894
2-Chlorotoluene	U		0.0368	0.100	1	06/10/2024 06:03	WG2301894
4-Chlorotoluene	U		0.0452	0.200	1	06/10/2024 06:03	WG2301894
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.204	1.00	1	06/10/2024 06:03	WG2301894
1,2-Dibromoethane	U		0.0210	0.100	1	06/10/2024 06:03	WG2301894
Dibromomethane	U		0.0400	0.200	1	06/10/2024 06:03	WG2301894
1,2-Dichlorobenzene	U		0.0580	0.200	1	06/10/2024 06:03	WG2301894
1,3-Dichlorobenzene	U		0.0680	0.200	1	06/10/2024 06:03	WG2301894
1,4-Dichlorobenzene	U		0.0788	0.200	1	06/10/2024 06:03	WG2301894
trans-1,4-Dichloro-2-butene	U	UJ C3	0.0560	0.200	1	06/10/2024 06:03	WG2301894
Dichlorodifluoromethane	U		0.0327	0.200	1	06/10/2024 06:03	WG2301894
1,1-Dichloroethane	U		0.0230	0.100	1	06/10/2024 06:03	WG2301894
1,2-Dichloroethane	U		0.0190	0.100	1	06/10/2024 06:03	WG2301894
1,1-Dichloroethene	U		0.0200	0.100	1	06/10/2024 06:03	WG2301894
cis-1,2-Dichloroethene	U		0.0276	0.100	1	06/10/2024 06:03	WG2301894
trans-1,2-Dichloroethene	U		0.0572	0.200	1	06/10/2024 06:03	WG2301894
1,2-Dichloropropane	U		0.0508	0.200	1	06/10/2024 06:03	WG2301894
1,1-Dichloropropene	U		0.0280	0.100	1	06/10/2024 06:03	WG2301894
1,3-Dichloropropane	U		0.0700	0.200	1	06/10/2024 06:03	WG2301894
cis-1,3-Dichloropropene	U		0.0271	0.100	1	06/10/2024 06:03	WG2301894
trans-1,3-Dichloropropene	U		0.0612	0.200	1	06/10/2024 06:03	WG2301894
2,2-Dichloropropane	U		0.0317	0.100	1	06/10/2024 06:03	WG2301894
Di-isopropyl ether	U		0.0140	0.0400	1	06/10/2024 06:03	WG2301894
Ethylbenzene	0.0340	J	0.0212	0.100	1	06/10/2024 06:03	WG2301894
Hexachloro-1,3-butadiene	U		0.508	1.00	1	06/10/2024 06:03	WG2301894
2-Hexanone	U		0.400	1.00	1	06/10/2024 06:03	WG2301894
n-Hexane	U		0.0424	0.200	1	06/10/2024 06:03	WG2301894
Iodomethane	U		0.242	0.500	1	06/10/2024 06:03	WG2301894
Isopropylbenzene	U		0.0345	0.100	1	06/10/2024 06:03	WG2301894
p-Isopropyltoluene	U		0.0932	0.200	1	06/10/2024 06:03	WG2301894
2-Butanone (MEK)	U		0.500	1.00	1	06/10/2024 06:03	WG2301894
Methylene Chloride	U		0.265	1.00	1	06/10/2024 06:03	WG2301894
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00	1	06/10/2024 06:03	WG2301894
Methyl tert-butyl ether	U		0.0118	0.0400	1	06/10/2024 06:03	WG2301894
Naphthalene	U		0.124	0.500	1	06/10/2024 06:03	WG2301894
n-Propylbenzene	U		0.0472	0.200	1	06/10/2024 06:03	WG2301894
Styrene	U		0.109	0.500	1	06/10/2024 06:03	WG2301894
1,1,1,2-Tetrachloroethane	U		0.0200	0.100	1	06/10/2024 06:03	WG2301894
1,1,2,2-Tetrachloroethane	U		0.0156	0.100	1	06/10/2024 06:03	WG2301894

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/18/24

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100	1	06/10/2024 06:03	WG2301894
Tetrachloroethene	U		0.0280	0.100	1	06/10/2024 06:03	WG2301894
Toluene	0.0830	U	0.0500	0.200	1	06/10/2024 06:03	WG2301894
1,2,3-Trichlorobenzene	U		0.0250	0.500	1	06/10/2024 06:03	WG2301894
1,2,4-Trichlorobenzene	U		0.193	0.500	1	06/10/2024 06:03	WG2301894
1,1,1-Trichloroethane	U		0.0110	0.100	1	06/10/2024 06:03	WG2301894
1,1,2-Trichloroethane	U		0.0353	0.100	1	06/10/2024 06:03	WG2301894
Trichloroethene	U		0.0160	0.0400	1	06/10/2024 06:03	WG2301894
Trichlorofluoromethane	U		0.0200	0.100	1	06/10/2024 06:03	WG2301894
1,2,3-Trichloropropane	U		0.204	0.500	1	06/10/2024 06:03	WG2301894
1,2,4-Trimethylbenzene	0.0660	U	0.0464	0.200	1	06/10/2024 06:03	WG2301894
1,2,3-Trimethylbenzene	U		0.0460	0.200	1	06/10/2024 06:03	WG2301894
1,3,5-Trimethylbenzene	U		0.0432	0.200	1	06/10/2024 06:03	WG2301894
Vinyl acetate	U		0.141	0.500	1	06/10/2024 06:03	WG2301894
Vinyl chloride	U		0.0273	0.100	1	06/10/2024 06:03	WG2301894
Xylenes, Total	0.316		0.191	0.260	1	06/10/2024 06:03	WG2301894
(S) Toluene-d8	100			75.0-131		06/10/2024 06:03	WG2301894
(S) 4-Bromofluorobenzene	103			67.0-138		06/10/2024 06:03	WG2301894
(S) 1,2-Dichloroethane-d4	93.8			70.0-130		06/10/2024 06:03	WG2301894

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 7/18/24

MEMORANDUM

TO: Project File **DATE:** July 8, 2024
FROM: Jessie Compeau
SUBJECT: Laboratory Data Validation Review
PROJECT: American Linen Data Validation
PROJECT #: 443022-1413001.10.701.03
TASK: EIM Data Validation Level EPA2A for Q2 2024 – Soil Vapor Samples
LAB: Pace Sample Delivery Groups (SDGs): L1745449, L1745698, and L1746350

Twelve soil vapor samples (including one field duplicate) were collected as part of the 2024 quarterly (Q2) monitoring event at the Former American Linen Supply Site, in Seattle, Washington on June 10-12, 2024. The samples were shipped and delivered to Pace Lab Sciences (Pace) of Mount Juliet, TN for laboratory analysis. Samples were analyzed for the following:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method TO-15.

Both the second quarter of RI groundwater and soil vapor sampling were conducted in June 2024. Results for groundwater are reported by Pace. The quality assurance review of the soil vapor extraction sample data associated with SDGs L1745449, L1745698, and L1746350 are summarized below.

DATA QUALIFICATIONS

Guidelines established by USEPA for a limited data validation review of analytical data along with Pace control limit criteria were used to validate the data. The comments presented in this memorandum refer to the laboratory's performance in meeting the quality control criteria outlined in the USEPA National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2020).

DATA VALIDATION

Completeness

All samples were collected and analyzed as requested.

Sample Collection and Preservation

The laboratory supplied Summa Canister™ (1 Liter) for the air samples. Samples were shipped, delivered by FedEx, and received in good condition by the laboratory. The samples were

collected, managed, and delivered in an appropriate manner. No data qualifications were warranted based upon sampling techniques or preservation.

Holding Times

USEPA Method TO-15:

The analyses for VOCs by Method TO-15 were performed within the 30-day recommended holding time limit for the air samples collected in Summa canisters. All holding time criteria are met.

Initial and Continuing Calibration

Initial and continuing calibration data for this project are retained by the laboratory and available for review if necessary. Case narrative and laboratory notes do not indicate that there are any issues with calibration.

Method Blank Results

USEPA Method TO-15:

A laboratory method blank is included with each analytical batch per method requirement. The target analytes were not detected in the method blanks at or above the reporting detection limits (RDLs) with the following exceptions:

- SDG L1745449 - Analytical Batch WG2303622: A low level of ethanol at 0.389 parts per billion by volume (ppbv) is detected below the RDL (2.50 ppbv) in the method blank. No action is needed since associated sample ethanol detections are above the RDL.
- SDG L1746350 - Analytical Batch WG2304548: A low level of toluene (0.285 ppbv) is detected below the RDL (0.500 ppbv) in the method blank and all associated sample toluene results are laboratory qualified (B). No action is needed since associated sample toluene detections are above the RDL.

Trip Blank Results

A trip blank is not required for the VOCs by TO-15 analyses.

Field Duplicate Analyses

Field duplicate pair (SV-18-061224 and SV-910-061224) were submitted and analyzed for VOCs. VOC target analyte results are comparable and within 30 relative percent difference (RPD) or (± 1 x RDL for detections < 5 x RDL) with the following exceptions:

- SDG L1746350: Field duplicate results for VOCs (chloroethane and heptane) are not comparable and exceed absolute difference criteria. **The above-mentioned target analyte results for samples SV-18-061224 and SV-910-061224 are estimated and qualified (U/J).**

Laboratory Duplicate/Replicate Analyses

USEPA Method TO-15:

A laboratory replicate was not performed. Refer to the Laboratory Control Sample section for additional information.

Surrogate Recoveries

USEPA Method TO-15

The surrogate percent recovery (% R) results for the VOCs by TO-15 air samples, method blanks, and laboratory control sample are within the laboratory surrogate control limits of 60 - 140% R with the following exception:

- SDG L1745449 – Analytical batch WG2303622: Sample SV-24-061024 surrogate 1,4-bromofluorobenzene percent recovery is above laboratory acceptance criteria due to matrix interference and laboratory qualified (J1). **Sample SV-24-061024 detected results associated with analytical batch WG2303622 are qualified as estimated (J) due the elevated surrogate recovery.**

Laboratory Control Samples

USEPA Method TO-15:

Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) samples were analyzed for the VOCs by TO-15 along with the analytical batch. The LCS/LCSD recoveries and RPDs for all control compounds met laboratory control limit criteria with the following exceptions:

- SDG L1745698 – Analytical batch WG2303835: LCSD % recovery for cyclohexane exceeds laboratory acceptance criteria. No action is taken since the LCS % recovery and RPD are within acceptance criteria.

Matrix Spike/Matrix Spike Duplicates

A matrix spike/matrix spike duplicate (MS/MSD) is not required for the VOCs by TO-15.

Other Quality Control Issues

No laboratory quality control issues were identified in the laboratory report with the following discussion:

- Electronic data deliverables (EDDs) for these SDGs were provided by the laboratory and data validator qualifiers were entered. In some cases, different chemical synonyms are used between the EDD and the hardcopy. However, associated Chemical Abstracts Service (CAS) numbers are provided in the EDD to confirm chemical identifications.

Quantitation Limits

Results of the VOCs by TO-15 analysis are reported based on laboratory RDLs (assuming standard temperature and pressure is equal to 24.45) and reported in units of parts per billion by volume (ppbv) and micrograms per cubic meter ($\mu\text{g}/\text{m}^3$). Quality control results are reported in ppbv units only.

The RDLs indicate the minimum quantity of a target analyte that can be confidently determined by the reference method. The RDLs are acceptable for the project with the following discussion:

- SDG L1745449: Sample SV-23-061024 ethanol result by VOC Method TO-15 is laboratory qualified (E) by Pace to indicate that the result exceeded the upper limit of the calibration range. **Sample SV-23-061024 ethanol result is qualified as estimated (J) because the result exceeded the upper limit of the calibration range.**

Data Assessment

The laboratory data reported for this project were reviewed based on the criteria outlined in:

- USEPA National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2020).

Data qualifiers were assigned and laboratory report pages with qualifiers are attached. All data, including qualified data, are judged to be acceptable for their intended use.

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	21.2	50.4		1	WG2304548
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2304548
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2304548
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2304548
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2304548
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2304548
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2304548
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2304548
Carbon disulfide	75-15-0	76.10	0.400	1.24	ND	ND		1	WG2304548
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2304548
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2304548
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2304548
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2304548
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2304548
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2304548
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2304548
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2304548
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2304548
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2304548
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2304548
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2304548
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2304548
1,1-Dichloroethane	75-34-3	98	0.200	0.802	0.624	2.50		1	WG2304548
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2304548
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2304548
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2304548
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2304548
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2304548
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2304548
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2304548
Ethanol	64-17-5	46.10	2.50	4.71	41.2	77.7		1	WG2304548
Ethylbenzene	100-41-4	106	0.200	0.867	0.695	3.01		1	WG2304548
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2304548
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.215	1.21		1	WG2304548
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.344	1.70		1	WG2304548
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2304548
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2304548
Heptane	142-82-5	100	0.200	0.818	0.456	1.87		1	WG2304548
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2304548
n-Hexane	110-54-3	86.20	0.630	2.22	1.67	5.89		1	WG2304548
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2304548
Methylene Chloride	75-09-2	84.90	0.200	0.694	5.93	20.6		1	WG2304548
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2304548
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	5.62	16.6		1	WG2304548
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2304548
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2304548
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2304548
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2304548
2-Propanol	67-63-0	60.10	1.25	3.07	3.09	7.60		1	WG2304548
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2304548
Styrene	100-42-5	104	0.400	1.70	ND	ND		1	WG2304548
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2304548
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.383	2.60		1	WG2304548
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	5.64	16.6		1	WG2304548
Toluene	108-88-3	92.10	0.500	1.88	2.55	9.61		1	WG2304548
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2304548

JC 6/24/24

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	2.56	13.9		1	WG2304548
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2304548
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2304548
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.683	3.35		1	WG2304548
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.207	1.02		1	WG2304548
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2304548
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2304548
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2304548
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2304548
Xylenes, Total	1330-20-7	106.16	0.600	2.61	3.65	15.8		1	WG2304548
m&p-Xylene	179601-23-1	106	0.400	1.73	2.66	11.5		1	WG2304548
o-Xylene	95-47-6	106	0.200	0.867	0.991	4.30		1	WG2304548
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		101				WG2304548

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	12.9	30.7		1	WG2304548
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2304548
Benzene	71-43-2	78.10	0.200	0.639	0.405	1.29		1	WG2304548
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2304548
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2304548
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2304548
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2304548
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2304548
Carbon disulfide	75-15-0	76.10	0.400	1.24	0.428	1.33		1	WG2304548
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2304548
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2304548
Chloroethane	75-00-3	64.50	0.200	0.528	0.493 J	1.30 J		1	WG2304548
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2304548
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2304548
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2304548
Cyclohexane	110-82-7	84.20	0.200	0.689	0.864	2.98		1	WG2304548
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2304548
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2304548
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2304548
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2304548
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2304548
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2304548
1,1-Dichloroethane	75-34-3	98	0.200	0.802	13.3	53.3		1	WG2304548
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2304548
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	0.219	0.868		1	WG2304548
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2304548
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2304548
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2304548
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2304548
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2304548
Ethanol	64-17-5	46.10	2.50	4.71	7.95	15.0		1	WG2304548
Ethylbenzene	100-41-4	106	0.200	0.867	0.480	2.08		1	WG2304548
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2304548
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2304548
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.224	1.11		1	WG2304548
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2304548
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2304548
Heptane	142-82-5	100	0.200	0.818	0.747 J	3.06 J		1	WG2304548
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2304548
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2304548
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2304548
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2304548
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2304548
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	3.30	9.73		1	WG2304548
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2304548
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2304548
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2304548
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2304548
2-Propanol	67-63-0	60.10	1.25	3.07	1.51	3.71		1	WG2304548
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2304548
Styrene	100-42-5	104	0.400	1.70	ND	ND		1	WG2304548
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2304548
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.286	1.94		1	WG2304548
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2304548
Toluene	108-88-3	92.10	0.500	1.88	1.17	4.41		1	WG2304548
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2304548

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

JC 6/24/24

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	5.77	31.4		1	WG2304548
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2304548
Trichloroethylene	79-01-6	131	0.200	1.07	0.238	1.28		1	WG2304548
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.889	4.36		1	WG2304548
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.247	1.21		1	WG2304548
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	3.03	14.2		1	WG2304548
Vinyl chloride	75-01-4	62.50	0.200	0.511	15.5	39.6		1	WG2304548
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2304548
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2304548
Xylenes, Total	1330-20-7	106.16	0.600	2.61	2.70	11.7		1	WG2304548
m&p-Xylene	179601-23-1	106	0.400	1.73	1.87	8.11		1	WG2304548
o-Xylene	95-47-6	106	0.200	0.867	0.829	3.59		1	WG2304548
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		101				WG2304548

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	11.9	28.3		1	WG2304548
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2304548
Benzene	71-43-2	78.10	0.200	0.639	0.420	1.34		1	WG2304548
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2304548
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2304548
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2304548
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2304548
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2304548
Carbon disulfide	75-15-0	76.10	0.400	1.24	ND	ND		1	WG2304548
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2304548
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2304548
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND	UJ	1	WG2304548
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2304548
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2304548
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2304548
Cyclohexane	110-82-7	84.20	0.200	0.689	0.806	2.78		1	WG2304548
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2304548
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2304548
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2304548
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2304548
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2304548
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2304548
1,1-Dichloroethane	75-34-3	98	0.200	0.802	13.2	52.9		1	WG2304548
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2304548
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	0.215	0.852		1	WG2304548
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2304548
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2304548
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2304548
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2304548
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2304548
Ethanol	64-17-5	46.10	2.50	4.71	7.52	14.2		1	WG2304548
Ethylbenzene	100-41-4	106	0.200	0.867	0.430	1.86		1	WG2304548
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2304548
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2304548
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.258	1.28		1	WG2304548
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2304548
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2304548
Heptane	142-82-5	100	0.200	0.818	0.435	1.78	J	1	WG2304548
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2304548
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2304548
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2304548
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2304548
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2304548
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	3.98	11.7		1	WG2304548
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2304548
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2304548
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2304548
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2304548
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2304548
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2304548
Styrene	100-42-5	104	0.400	1.70	ND	ND		1	WG2304548
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2304548
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG2304548
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2304548
Toluene	108-88-3	92.10	0.500	1.88	1.07	4.03	B	1	WG2304548
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2304548

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	5.86	31.9		1	WG2304548
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2304548
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2304548
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.832	4.08		1	WG2304548
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.249	1.22		1	WG2304548
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	3.62	16.9		1	WG2304548
Vinyl chloride	75-01-4	62.50	0.200	0.511	15.7	40.1		1	WG2304548
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2304548
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2304548
Xylenes, Total	1330-20-7	106.16	0.600	2.61	2.57	11.2		1	WG2304548
m&p-Xylene	179601-23-1	106	0.400	1.73	1.82	7.89		1	WG2304548
o-Xylene	95-47-6	106	0.200	0.867	0.750	3.25		1	WG2304548
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		98.3				WG2304548

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

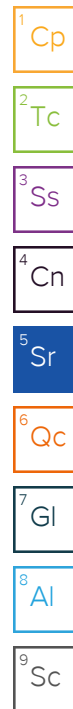
8Al

9Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	34.0	80.8		1	WG2304548
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2304548
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2304548
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2304548
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2304548
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2304548
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2304548
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2304548
Carbon disulfide	75-15-0	76.10	0.400	1.24	ND	ND		1	WG2304548
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2304548
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2304548
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2304548
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2304548
Chloromethane	74-87-3	50.50	0.200	0.413	0.204	0.421		1	WG2304548
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2304548
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2304548
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2304548
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2304548
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2304548
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2304548
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2304548
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2304548
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2304548
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2304548
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2304548
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2304548
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2304548
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2304548
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2304548
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2304548
Ethanol	64-17-5	46.10	2.50	4.71	28.5	53.7		1	WG2304548
Ethylbenzene	100-41-4	106	0.200	0.867	0.639	2.77		1	WG2304548
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2304548
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.223	1.25		1	WG2304548
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.416	2.06		1	WG2304548
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2304548
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2304548
Heptane	142-82-5	100	0.200	0.818	0.465	1.90		1	WG2304548
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2304548
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2304548
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2304548
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.202	0.701		1	WG2304548
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2304548
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	9.08	26.8		1	WG2304548
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	2.23	9.13		1	WG2304548
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2304548
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2304548
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2304548
2-Propanol	67-63-0	60.10	1.25	3.07	1.90	4.67		1	WG2304548
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2304548
Styrene	100-42-5	104	0.400	1.70	ND	ND		1	WG2304548
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2304548
Tetrachloroethylene	127-18-4	166	0.200	1.36	1.26	8.55		1	WG2304548
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	10.2	30.1		1	WG2304548
Toluene	108-88-3	92.10	0.500	1.88	1.99	7.50	<u>B</u>	1	WG2304548
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2304548

JC 6/24/24



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2304548
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2304548
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2304548
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.727	3.57		1	WG2304548
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.227	1.11		1	WG2304548
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2304548
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2304548
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2304548
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2304548
Xylenes, Total	1330-20-7	106.16	0.600	2.61	3.57	15.5		1	WG2304548
m&p-Xylene	179601-23-1	106	0.400	1.73	2.55	11.1		1	WG2304548
o-Xylene	95-47-6	106	0.200	0.867	1.02	4.42		1	WG2304548
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		102				WG2304548

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

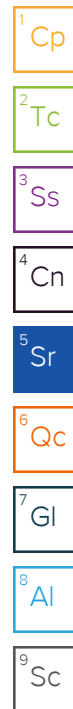
7Gl

8Al

9Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	31.6	75.1		1	WG2304548
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2304548
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2304548
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2304548
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2304548
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2304548
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2304548
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2304548
Carbon disulfide	75-15-0	76.10	0.400	1.24	4.34	13.5		1	WG2304548
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2304548
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2304548
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2304548
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2304548
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2304548
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2304548
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2304548
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2304548
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2304548
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2304548
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2304548
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2304548
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2304548
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2304548
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2304548
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2304548
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2304548
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2304548
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2304548
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2304548
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2304548
Ethanol	64-17-5	46.10	2.50	4.71	40.9	77.1		1	WG2304548
Ethylbenzene	100-41-4	106	0.200	0.867	0.630	2.73		1	WG2304548
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2304548
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2304548
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.326	1.61		1	WG2304548
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2304548
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2304548
Heptane	142-82-5	100	0.200	0.818	0.526	2.15		1	WG2304548
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2304548
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2304548
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2304548
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.858	2.98		1	WG2304548
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2304548
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	8.38	24.7		1	WG2304548
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	1.37	5.61		1	WG2304548
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2304548
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2304548
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2304548
2-Propanol	67-63-0	60.10	1.25	3.07	3.80	9.34		1	WG2304548
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2304548
Styrene	100-42-5	104	0.400	1.70	ND	ND		1	WG2304548
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2304548
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.200	1.36		1	WG2304548
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	12.5	36.9		1	WG2304548
Toluene	108-88-3	92.10	0.500	1.88	2.03	7.65		1	WG2304548
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2304548



JC 6/24/24

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2304548
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2304548
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2304548
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.988	4.85		1	WG2304548
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.305	1.50		1	WG2304548
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2304548
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2304548
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2304548
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2304548
Xylenes, Total	1330-20-7	106.16	0.600	2.61	3.68	16.0		1	WG2304548
m&p-Xylene	179601-23-1	106	0.400	1.73	2.63	11.4		1	WG2304548
o-Xylene	95-47-6	106	0.200	0.867	1.05	4.55		1	WG2304548
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		101				WG2304548

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	20.6	49.0		1	WG2304548
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2304548
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG2304548
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2304548
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2304548
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2304548
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2304548
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2304548
Carbon disulfide	75-15-0	76.10	0.400	1.24	1.41	4.39		1	WG2304548
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2304548
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2304548
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2304548
Chloroform	67-66-3	119	0.200	0.973	0.225	1.10		1	WG2304548
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2304548
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2304548
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2304548
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2304548
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2304548
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2304548
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2304548
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2304548
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2304548
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2304548
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2304548
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2304548
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2304548
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2304548
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2304548
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2304548
1,4-Dioxane	123-91-1	88.10	0.630	2.27	0.670	2.41		1	WG2304548
Ethanol	64-17-5	46.10	2.50	4.71	18.8	35.4		1	WG2304548
Ethylbenzene	100-41-4	106	0.200	0.867	1.02	4.42		1	WG2304548
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.282	1.38		1	WG2304548
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.361	2.03		1	WG2304548
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.451	2.23		1	WG2304548
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	0.260	1.99		1	WG2304548
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2304548
Heptane	142-82-5	100	0.200	0.818	0.304	1.24		1	WG2304548
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2304548
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2304548
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2304548
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2304548
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2304548
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	8.76	25.8		1	WG2304548
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	1.81	7.41		1	WG2304548
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2304548
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2304548
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2304548
2-Propanol	67-63-0	60.10	1.25	3.07	3.21	7.89		1	WG2304548
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2304548
Styrene	100-42-5	104	0.400	1.70	ND	ND		1	WG2304548
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2304548
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.258	1.75		1	WG2304548
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	11.3	33.3		1	WG2304548
Toluene	108-88-3	92.10	0.500	1.88	2.01	7.57		1	WG2304548
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2304548

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2304548
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2304548
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2304548
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	1.95	9.57		1	WG2304548
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.530	2.60		1	WG2304548
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	ND	ND		1	WG2304548
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2304548
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2304548
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2304548
Xylenes, Total	1330-20-7	106.16	0.600	2.61	6.00	26.1		1	WG2304548
m&p-Xylene	179601-23-1	106	0.400	1.73	4.04	17.5		1	WG2304548
o-Xylene	95-47-6	106	0.200	0.867	1.96	8.50		1	WG2304548
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		106				WG2304548

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

JC 6/24/24

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	19.9	47.3		1	WG2303622
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2303622
Benzene	71-43-2	78.10	0.200	0.639	0.491	1.57		1	WG2303622
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2303622
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2303622
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2303622
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2303622
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2303622
Carbon disulfide	75-15-0	76.10	0.400	1.24	5.40	16.8		1	WG2303622
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2303622
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2303622
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2303622
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2303622
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2303622
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2303622
Cyclohexane	110-82-7	84.20	0.200	0.689	0.254	0.875		1	WG2303622
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2303622
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2303622
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2303622
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	0.260	1.56		1	WG2303622
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2303622
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2303622
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2303622
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2303622
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	0.477	1.89		1	WG2303622
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2303622
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2303622
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2303622
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2303622
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2303622
Ethanol	64-17-5	46.10	2.50	4.71	102	192	J E	1	WG2303622
Ethylbenzene	100-41-4	106	0.200	0.867	0.883	3.83		1	WG2303622
4-Ethyltoluene	622-96-8	120	0.200	0.982	ND	ND		1	WG2303622
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.237	1.33		1	WG2303622
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.220	1.09		1	WG2303622
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2303622
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2303622
Heptane	142-82-5	100	0.200	0.818	0.565	2.31		1	WG2303622
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2303622
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2303622
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2303622
Methylene Chloride	75-09-2	84.90	0.200	0.694	0.222	0.771		1	WG2303622
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2303622
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	4.28	12.6		1	WG2303622
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2303622
Methyl methacrylate	80-62-6	100.12	0.200	0.819	0.296	1.21		1	WG2303622
MTBE	1634-04-4	88.10	0.200	0.721	0.312	1.12		1	WG2303622
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2303622
2-Propanol	67-63-0	60.10	1.25	3.07	7.25	17.8		1	WG2303622
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2303622
Styrene	100-42-5	104	0.400	1.70	ND	ND		1	WG2303622
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2303622
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.967	6.57		1	WG2303622
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	9.92	29.3		1	WG2303622
Toluene	108-88-3	92.10	0.500	1.88	3.77	14.2		1	WG2303622
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2303622

JC 6/24/24



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2303622
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2303622
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2303622
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.929	4.56		1	WG2303622
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.256	1.26		1	WG2303622
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.323	1.51		1	WG2303622
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2303622
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2303622
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2303622
Xylenes, Total	1330-20-7	106.16	0.600	2.61	4.88	21.2		1	WG2303622
m&p-Xylene	179601-23-1	106	0.400	1.73	3.64	15.8		1	WG2303622
o-Xylene	95-47-6	106	0.200	0.867	1.24	5.38		1	WG2303622
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		98.6				WG2303622

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

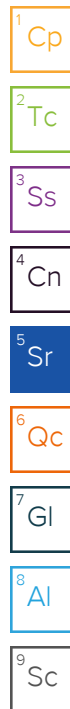
9Sc

JC 6/24/24

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	53.0 J	126 J		1	WG2303622
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2303622
Benzene	71-43-2	78.10	0.200	0.639	0.571 J	1.82 J		1	WG2303622
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2303622
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2303622
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2303622
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2303622
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2303622
Carbon disulfide	75-15-0	76.10	0.400	1.24	3.54 J	11.0 J		1	WG2303622
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2303622
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2303622
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2303622
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2303622
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2303622
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2303622
Cyclohexane	110-82-7	84.20	0.200	0.689	2.32 J	7.99 J		1	WG2303622
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2303622
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2303622
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2303622
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	0.264 J	1.59 J		1	WG2303622
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2303622
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2303622
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2303622
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2303622
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2303622
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2303622
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2303622
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2303622
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2303622
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2303622
Ethanol	64-17-5	46.10	2.50	4.71	40.7 J	76.7 J		1	WG2303622
Ethylbenzene	100-41-4	106	0.200	0.867	5.54 J	24.0 J		1	WG2303622
4-Ethyltoluene	622-96-8	120	0.200	0.982	1.04 J	5.10 J		1	WG2303622
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	ND	ND		1	WG2303622
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	ND	ND		1	WG2303622
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2303622
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2303622
Heptane	142-82-5	100	0.200	0.818	5.19 J	21.2 J		1	WG2303622
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2303622
n-Hexane	110-54-3	86.20	0.630	2.22	5.65 J	19.9 J		1	WG2303622
Isopropylbenzene	98-82-8	120.20	0.200	0.983	0.487 J	2.39 J		1	WG2303622
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2303622
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2303622
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	34.8 J	103 J		1	WG2303622
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	4.71 J	19.3 J		1	WG2303622
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2303622
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2303622
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2303622
2-Propanol	67-63-0	60.10	1.25	3.07	5.69 J	14.0 J		1	WG2303622
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2303622
Styrene	100-42-5	104	0.400	1.70	ND	ND		1	WG2303622
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2303622
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.803 J	5.45 J		1	WG2303622
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	35.1 J	104 J		1	WG2303622
Toluene	108-88-3	92.10	0.500	1.88	15.7 J	59.1 J		1	WG2303622
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2303622

JC 6/24/24



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2303622
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2303622
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2303622
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	5.85	28.7	J	1	WG2303622
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	1.59	7.80	J	1	WG2303622
2,2,4-Trimethylpentane	540-84-1	114.22	4.00	18.7	578	2700		20	WG2304555
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2303622
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2303622
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2303622
Xylenes, Total	1330-20-7	106.16	0.600	2.61	28.7	125	J	1	WG2303622
m&p-Xylene	179601-23-1	106	0.400	1.73	20.3	88.0	J	1	WG2303622
o-Xylene	95-47-6	106	0.200	0.867	8.41	36.5	J	1	WG2303622
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		142		J1		WG2303622
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		96.4				WG2304555

Sample Narrative:

L1745449-02 WG2303622: Surrogate failure due to matrix interference

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc